HCA Healthcare

HCA FLORIDA FORT WALTON-DESTIN HOSPITAL

SANTA ROSA FSER

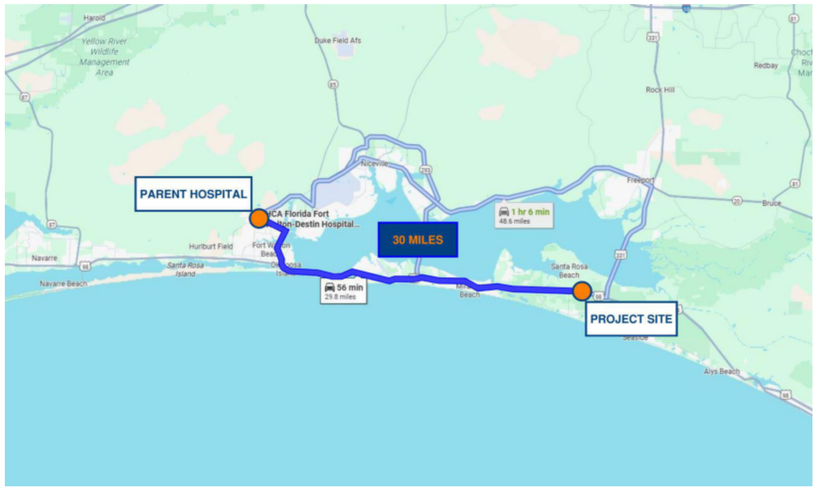
HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459

GENERAL, CIVIL, LANDSCAPE, STRUCTURAL, ARCHITECTURAL, INTERIORS, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, TELECOMM, VENDOR

HDA PROJECT NO.	225014.00	DATE:	REVISIONS
HCA PROJECT NO.	309090003	12/18/2025	:
AHCA	23/100223-1970		

HCA DESIGN MANAGER: RODNEY GILCHRIST
HCA CONSTRUCTION MANAGER: NOLI WHITE GROUP / RODNEY GILCHRIST





PROJECT STATUS: CONSTRUCTION DOCUMENTS

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NASHVILLE · TENNESSEE · 37210
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WWW.HDARCHITECTS.COM

STATE OF FLORIDA
WILLIAM E. HEREFORD, III
REGISTERED ARCHITECT
12-18-2025

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- STORAGE SYSTEMS
  CONTACT: BECKY HAMMOND
- ALLEGION
  CONTACT: TERRI MEYERS
- ICI WIRELESS
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INTERIOR DESIGNER
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PROJECT ARCHITECT / ENGINEER / MANAGER: REBECCA DONNER

PROJECT SUMMARY:

THIS PROJECT IS A GROUND-UP CONSTRUCTION OF A NEW ONE STORY BUILDING OF APPROXIMATELY 11,000 SQUARE FEET TO BE USED AS AN 11-TREATMENT ROOM FREESTANDING EMERGENCY DEPARTMENT, AND WILL OPERATE AS A SATELLITE DEPARTMENT OF THE HCA FLORIDA FORT WALTON-DESTIN HOSPITAL. THIS EMERGENCY DEPARTMENT INCLUDES A WAITING AREA, EXAM ROOMS, TRAUMA, NURSE STATION, RESTROOMS AND ASSOCIATED SPACES. THE PROJECT INCLUDES THREE COVERED ENTRY CANOPIES, ONE FOR EMERGENCY VEHICLE ACCESS, ONE FOR PUBLIC DROP OFF, AND ONE CONNECTING THE AMBULANCE CANOPY TO THE DECONTAMINATION ROOM DOOR. THERE ARE SEPARATE ENCLOSURES ON SITE FOR THE GENERATOR AND DUMPSTER.

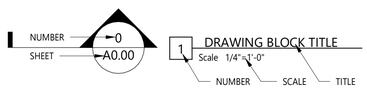
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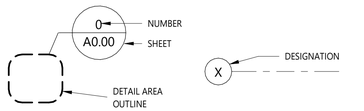
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ANNOTATION SYMBOLS



WALL SECTION LABEL **DRAWING LABEL**



DETAIL LABEL **GRID REFERENCE**



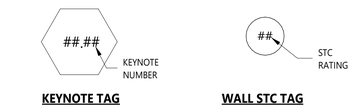
ELEVATION VIEW **ELEVATION LEVEL**



DOOR TAG **WINDOW TAG**

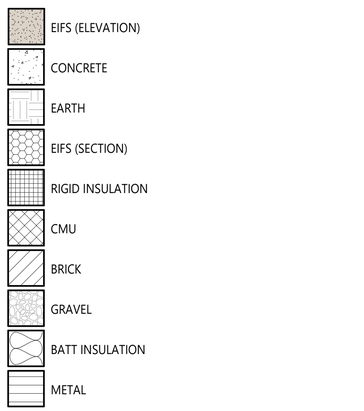


PARTITION TAG **EQUIPMENT TAG**



KEYNOTE TAG **WALL STC TAG**

GRAPHIC HATCH LEGEND



ABBREVIATIONS

A	MEDICAL GAS: AIR
AFF	ABOVE FINISH FLOOR
ADA	AMERICANS W/ DISABILITIES ACT
ADAAG	AMERICANS W/ DISABILITIES ACT ACCESSIBILITY GUIDELINES
ADJ	ADJUSTABLE
AHCA	FLORIDA AGENCY FOR HEALTH CARE ADMINISTRATION
AHJ	AUTHORITY(IES) HAVING JURISDICTION
AII	AIRBORNE INFECTION ISOLATION
ALT	ALTERNATE
ALUM, AL	ALUMINUM
AMB	AIR AND MOISTURE BARRIER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUX	AUXILIARY
BC	BED CONNECTOR, BED CONTROL
BD	BOARD
BH	BEHAVIORAL HEALTH
BOD	BASIS OF DESIGN
BTM	BOTTOM
CAB	CABINET
CB	CODE BLUE
CF	CONTRACTOR FURNISHED
CG	CORNER GUARD
CH	CHAPTER
ci	CONTINUOUS INSULATION
CI	CONTRACTOR INSTALLED
CJ	CONTROL JOINT
C	CENTERLINE
CLG	CEILING
CLR	CLEAR
CM	CONTROL MODULE
CMU	CONCRETE MASONRY UNIT
CO	CARBON MONOXIDE DETECTOR
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CR	CARD READER
CT	COMPUTERIZED TOMOGRAPHY
D	NETWORK CONNECTION / DATA
DBL	DOUBLE
DECON	DECONTAMINATION
DEFS	DIRECT-APPLIED EXTERIOR FINISH SYSTEM
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DMR	DOOR MONITOR RELAY
DR	DOOR STOP
DS	DUTY STATION
DWG	DRAWING
E	EMERGENCY POWER
EA	EACH
ed	EDITION
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EMS	EMERGENCY MEDICAL SERVICES
EP	DURESS BUTTON
EQ	EQUAL
EQUIP	EQUIPMENT
ETC.	AND SIMILAR ITEMS
EVS	ENVIRONMENTAL SERVICES
EXP	EXPANSION
EXT	EXTERIOR
F	FEMALE
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBC	FLORIDA BUILDING CODE
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LEVEL
FGI	FACILITY GUIDELINES INSTITUTE
FOB	FACE OF BLOCK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RETARDANT
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FSER	FREESTANDING EMERGENCY ROOM
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
HD	HEAT DETECTOR
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
I.E.	FOR EXAMPLE
IN	INCH
INFO	INFORMATION
INSUL	INSULATED, INSULATION
INT	INTERIOR
ISO	ISOLATION
K	KEYED OPENING
KP	KEYPAD
LAV	LAVATORY
LED	LIGHT-EMITTING DIODE
LOC	LOCATION
LPA	LINE PRESSURE ALARM
LS	LIGHT SWITCH
LVR	LOUVER
M	MALE
MANUF	MANUFACTURER, MANUFACTURER'S
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDICAL
MEDS	MEDICATIONS
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MHO	MAGNETIC HOLD-OPEN
MIN	MINIMUM
MINS	MINUTES
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOT	MOTION SENSOR
MRI	MAGNETIC RESONANCE IMAGING
MS	METAL STUD
MTD	MOUNTED
MTL	METAL
N	NORMAL POWER
N/A	NOT APPLICABLE
NC	NURSE CALL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOA	NOTICE OF ACCEPTANCE
O	MEDICAL GAS: OXYGEN
OC	ON CENTER
OF	OWNER FURNISHED
OFE	OWNER FURNISHED EQUIPMENT
OH	OPPOSITE HAND
OI	OWNER INSTALLED
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PAT	PATIENT
PB	PUSH BUTTON ACTUATOR
PC	PULL CORD
POS	PERSON OF SIZE
POU	POINT OF USE
PS	PATIENT STATION
PSI	POUNDS (LBS) PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
RCP	REFLECTED CEILING PLAN
REF	REFERENCE, REFER TO
REINF	REINFORCED
REQD	REQUIRED
REQS	REQUIREMENTS
RL	REMOTE LOCKDOWN
RM	ROOM
RO	ROUGH OPENING
REINF	REINFORCED
RL	ROOF LEADER (PIPE)
RR	REMOTE RELEASE
RRC	REMOTE RELEASE CONSOLE
S	MEDICAL GAS: SLIDE
SAFB	SOUND ATTENUATION FIRE BLANKETS
SA	STAFF ASSIST
SC	SMOKE COMPARTMENT
SCH	SCHEDULE
SCWD	SOLID CORE WOOD
SD	SHUTDOWN BUTTON
SF	SQUARE FOOTAGE
SHGC	SOLAR HEAT GAIN COEFFICIENT
SIM	SIMILAR
SOG	SLAB ON GRADE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STRUCT	STRUCTURAL
SW	SWITCH
T	THERMOSTAT
TA	TOILET ACCESSORY
TDR	TECHNOLOGY DISTRIBUTION ROOM
TEC	TECHNOLOGY EQUIPMENT CENTER
TELE	TELECOMMUNICATIONS
TEMP	TEMPERATURE
THRU	THROUGH
TI	TENANT IMPROVEMENT
TLT	TOILET
T.O.	TOP OF
TOS	TOP OF STEEL
TPO	THERMOPLASTIC POLYOLEFIN
TSER	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
TTY	TELETYPEWRITER
TYP	TYPICAL
UCL	UNDERCABINET LIGHTING
UL	UL SOLUTIONS (FORMERLY UNDERWRITERS LABORATORIES)
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	MEDICAL GAS: VACUUM
VERT	VERTICAL
VF	VENDOR FURNISHED
VI	VENDOR INSTALLED
VIF	VERIFY IN FIELD
WC	WATER CONNECTION BOX
WRB	WEATHER RESISTIVE BARRIER
ZV	ZONE VALVE BOX

GENERAL NOTES

1. THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT OF RECORD, AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT. THESE DRAWINGS ARE TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND SHALL NOT TO BE USED ON ANY OTHER PROJECT. THESE DRAWINGS ARE A COMPOSITE SET AND SHALL NOT BE SEPARATED FOR DISTRIBUTION. THE GENERAL CONTRACTOR (GC) SHALL REVIEW ALL DRAWINGS AND DISTRIBUTE THE ENTIRE SET TO EACH SUBCONTRACTOR.
2. NOTIFY THE ARCHITECT PROMPTLY OF ANY ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS AND WITH FIELD CONDITIONS. DO NOT PROCEED WITH WORK UNTIL DISCREPANCIES ARE RESOLVED TO THE SATISFACTION OF ALL PARTIES.
3. DUE TO MECHANICAL REPRODUCTION ERRORS, DRAWING SCALES MAY NOT BE ACCURATE. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE GC SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUING WITH CONSTRUCTION.
4. ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH GOVERNING FEDERAL, STATE, AND LOCAL BUILDING CODE REQUIREMENTS; SHALL BE EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS AND SHALL CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER, THE ARCHITECT AND THE AUTHORITIES HAVING JURISDICTION. IT IS THE GC'S RESPONSIBILITY TO ENSURE THE PROCUREMENT OF REQUIRED AND NECESSARY PERMITS AND APPROVALS PRIOR TO THE COMMENCEMENT OF ANY WORK, AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. THE GC IS RESPONSIBLE FOR ANY FEES ASSOCIATED WITH PROCURING SUCH PERMITS AND CERTIFICATES AND SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO THE OWNER.
5. THE GC IS RESPONSIBLE FOR REMOVAL OF TRASH AND DEBRIS FROM JOB SITE ON A DAILY BASIS. FINAL CLEANUP WITHIN SCOPE OF WORK: REMOVE DUST, DEBRIS, OILS, STAINS, FINGERPRINTS AND LABELS FROM ALL EXPOSED, FINISHED SURFACES AND CLEAN ALL WINDOWS AND BLINDS. WAX AND/OR VACUUM FLOORS PER MANUFACTURER'S RECOMMENDATIONS. THOROUGHLY CLEAN ALL LIGHT LENSES AND AIR DIFFUSERS, AND CHANGE ALL DIRTY FILTERS. ALL WASTE MATERIAL, RUBBISH, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY AND OTHER SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO TURN-OVER DATE.
6. THE ARCHITECT HAS NOT CONDUCTED ANY INVESTIGATION AS TO THE PRESENCE OF ASBESTOS OR OTHER HAZARDOUS SUBSTANCES ON THE PROJECT SITE AND ASSUMES NO RESPONSIBILITY WITH RESPECT TO SAME. NO ASBESTOS PRODUCTS OR PRODUCTS CONTAINING UREA FORMALDEHYDE WILL BE ACCEPTED.
7. THE MEANS AND METHODS OF CONSTRUCTION, INCLUDING TEMPORARY STRUCTURES AND FACILITIES, ARE THE RESPONSIBILITY OF THE GC. THE ARCHITECT DOES NOT ASSUME ANY RESPONSIBILITY FOR THE GC'S MEANS AND METHODS.
8. JOB SITE SAFETY AND SECURITY ARE THE SOLE RESPONSIBILITY OF THE GC. THE GC SHALL CONSULT WITH LOCAL FIRE AUTHORITIES TO ASCERTAIN REQUIREMENTS FOR FIRE SUPPRESSION AND SAFETY DURING CONSTRUCTION. THE GC IS SOLEY RESPONSIBLE FOR MEETING OSHA REGULATIONS DURING CONSTRUCTION.
9. THE GC IS SOLELY RESPONSIBLE FOR STORAGE AND PROTECTION OF BUILDING MATERIALS AND INSTALLED CONSTRUCTION FROM INCLEMENT WEATHER, THEFT AND OTHER HAZARDS. THE GC SHALL FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS FOR STORAGE OF MATERIALS. PARTIALLY COMPLETED WALLS SHALL BE COVERED TO PROTECT FROM WATER INTRUSION. DAMAGE, INCLUDING, BUT NOT LIMITED TO, MOLD RESULTING FROM WATER INTRUSION DURING CONSTRUCTION SHALL BE REPAIRED AT THE GC'S EXPENSE.
10. THE GC SHALL OBTAIN A HOT WORK PERMIT PRIOR TO BEGINNING ANY WELDING, CUTTING, BRAZING, GRINDING OR OTHER WORK THAT GENERATES SPARKS CAPABLE OF CAUSING COMBUSTION. SEE NFPA 51B AND APPENDIX 'A'. ALSO A FIRE WATCH OR A GUARD WATCH WILL BE REQUIRED DURING THE PROCESS OF ANY HOT WORK GENERATING SPARKS CAPABLE OF CAUSING COMBUSTION AS REQUIRED BY NFPA 601.
11. THE PROJECT SHALL BE COMPLETE AND OPERATIONAL, INCLUDING ALL FINISHES, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS PRIOR TO FINAL AHJ INSPECTIONS AND FINAL OWNER/ARCHITECT'S WALK-THROUGH.
12. THE GC IS RESPONSIBLE FOR THE COORDINATION OF ALL RELATED TRADES AND VENDORS NECESSARY TO THE COMPLETION OF THE JOB ON A TIMELY BASIS.
13. FIELD CHANGES REQUESTED BY TENANT/OWNER MAY AFFECT PRICING AND/OR COMPLETION DATE. GC IS TO NOTIFY OWNER OF CHANGE - WRITTEN APPROVAL IS TO BE OBTAINED BEFORE IMPLEMENTATION.
14. FOR ALL PRODUCTS INSTALLED, REFER TO MANUFACTURERS' SPECIFICATIONS FOR INSTALLATION.
15. BUILDING CORRIDORS AND LOBBIES SHALL BE KEPT CLEAN AND CLEAR OF MATERIALS AND EQUIPMENT. A MOP SINK MAY BE USED AS A WATER SOURCE, BUT MUST BE KEPT CLEAN. SPECIFIC TOILET FACILITIES IDENTIFIED BY THE FACILITY MAY BE USED, BUT MUST BE KEPT CLEAN. GC IS RESPONSIBLE FOR CLEANING AND REPAIR OF DAMAGE CAUSED BY CONSTRUCTION PERSONNEL.
16. IN AREAS IN WHICH WORK IS DONE, PATCH AND REPAIR EXISTING FIREPROOFING TO MAINTAIN FIRE RESISTANCE RATING, AS REQUIRED.
17. GC TO REMOVE ALL DEBRIS ABOVE CEILINGS, AND VACUUM TOPS OF DRYWALL CEILINGS.

FLORIDA SPECIFIC NOTES

1. CONTRACTOR SHALL FILE A NOTICE OF COMMENCEMENT PRIOR TO STARTING ANY NEW WORK ON THIS PROJECT. REFER TO FBC 105.8
2. AS PER FBC 1816.1 ALL BUILDINGS SHALL HAVE PRECONSTRUCTION TREATMENT PROTECTION AGAINST SUBTERRANEAN TERMITES. THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES SHALL BE DEEMED AS APPROVED FOR THIS WORK. A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT STATES THE FOLLOWING: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."
3. CONTRACTOR SHALL OBTAIN ARCHITECT/ENGINEER OF RECORD APPROVALS BEFORE SUBMITTING DOCUMENTS/SHOP DRAWINGS TO AHJ.

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ARCHITECTS
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
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F · 615 · 244 · 6697
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

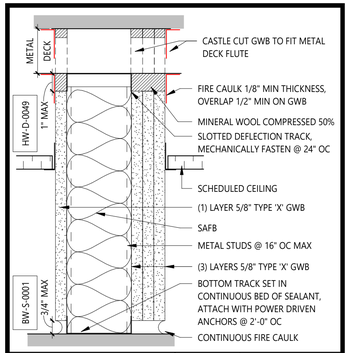
DATES OF ISSUANCE
12/18/2025
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TITLE
SHEET INDEX & GENERAL INFORMATION

SHEET
G001

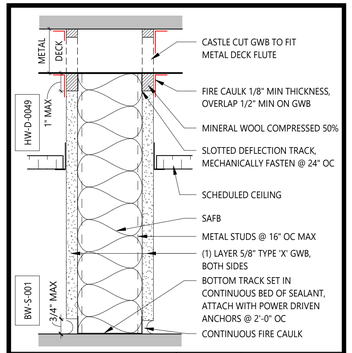
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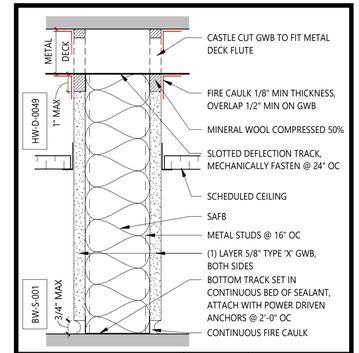
GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	2 HR
ABOVE CEILING ID (STENCIL): "2 HOUR FIRE BARRIER - PROTECT ALL OPENINGS"		**UL DESIGN #:**	U408
		OPENINGS:	90 MINUTES
		DAMPERS:	FIRE/SMOKE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	1		

TYPE C - 2 HOUR FIRE BARRIER



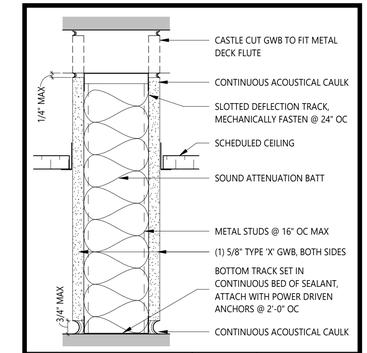
GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	1 HR
ABOVE CEILING ID (STENCIL): "SMOKE BARRIER (1 HOUR) - PROTECT ALL OPENINGS"		**UL DESIGN #:**	U465
		OPENINGS:	20 MINUTES
		DAMPERS:	FIRE/SMOKE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	2		

TYPE A - SMOKE BARRIER (1 HOUR RATING)



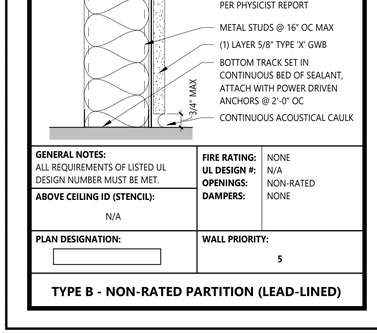
GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	1 HR
ABOVE CEILING ID (STENCIL): "1-HR FIRE BARRIER - PROTECT ALL OPENINGS"		**UL DESIGN #:**	U465
		OPENINGS:	45 MINUTES
		DAMPERS:	FIRE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	3		

TYPE A - 1 HOUR FIRE BARRIER



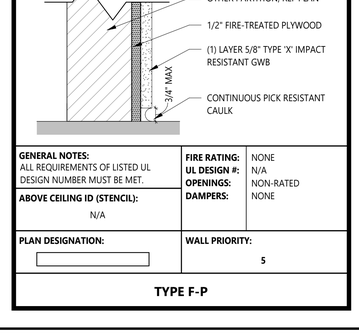
GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	SMOKE
ABOVE CEILING ID (STENCIL): "SMOKE PARTITION - PROTECT ALL OPENINGS"		**UL DESIGN #:**	N/A
		OPENINGS:	SMOKE
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	4		

TYPE A - SMOKE PARTITION



GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	SMOKE
ABOVE CEILING ID (STENCIL): "SMOKE PARTITION - PROTECT ALL OPENINGS"		**UL DESIGN #:**	N/A
		OPENINGS:	SMOKE
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	4		

TYPE A - SMOKE PARTITION (LEAD-LINED)



GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	NONE
		UL DESIGN #:	N/A
ABOVE CEILING ID (STENCIL): N/A		**OPENINGS:**	NON-RATED
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	5		

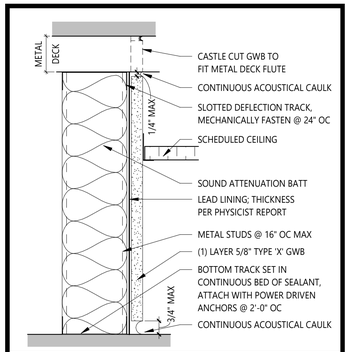
TYPE A - NON-RATED PARTITION

GENERAL NOTES:		**FIRE RATING:**	NONE
		UL DESIGN #:	N/A
ABOVE CEILING ID (STENCIL): N/A		**OPENINGS:**	NON-RATED
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	5		

TYPE A - NON-RATED PARTITION (LEAD-LINED)

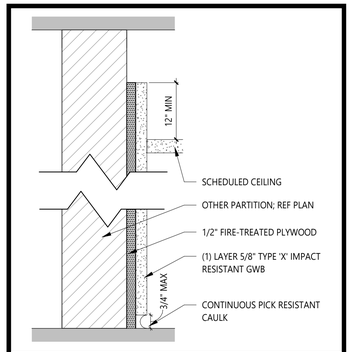
GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	NONE
		UL DESIGN #:	N/A
ABOVE CEILING ID (STENCIL): N/A		**OPENINGS:**	NON-RATED
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	5		

TYPE B - NON-RATED PARTITION



GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	NONE
		UL DESIGN #:	N/A
ABOVE CEILING ID (STENCIL): N/A		**OPENINGS:**	NON-RATED
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	5		

TYPE B - NON-RATED PARTITION (LEAD-LINED)



GENERAL NOTES: ALL REQUIREMENTS OF LISTED UL DESIGN NUMBER MUST BE MET.		**FIRE RATING:**	NONE
		UL DESIGN #:	N/A
ABOVE CEILING ID (STENCIL): N/A		**OPENINGS:**	NON-RATED
		DAMPERS:	NONE
PLAN DESIGNATION:	**WALL PRIORITY:**		
	5		

TYPE F-P

PARTITON SCHEDULE

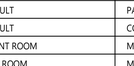
TYPE	FIRE RATING	UL DESIGN	STUD/BLOCK SIZE
A3	--	--	3 5/8" MS
TYPE A			
A3	--	--	3 5/8" MS
A3-1	1 HOUR FIRE BARRIER	U465	3 5/8" MS
A3-1S	SMOKE BARRIER (1-HR)	U465	3 5/8" MS
A3-1T	1 HOUR FIRE BARRIER	U465	3 5/8" MS
A3-L	--	--	3 5/8" MS
A3-PT	--	--	3 5/8" MS
A3-s	SMOKE PARTITION	--	3 5/8" MS
A3-sL	SMOKE PARTITION	--	3 5/8" MS
A3-sP	SMOKE PARTITION	--	3 5/8" MS
A3-sT	SMOKE PARTITION	--	3 5/8" MS
A3-T	--	--	3 5/8" MS
A6	--	--	6" MS
A6-L	--	--	6" MS
A6-s	SMOKE PARTITION	--	6" MS
A6-sL	SMOKE PARTITION	--	6" MS
A6-sP	SMOKE PARTITION	--	6" MS
A6-sT	SMOKE PARTITION	--	6" MS
A6-T	--	--	6" MS
TYPE B			
B3	--	--	3 5/8" MS
B3-L	--	--	3 5/8" MS
B3-P	--	--	3 5/8" MS
B3-T	--	--	3 5/8" MS
B6	--	--	6" MS
B6-T	--	--	6" MS
TYPE C			
C3-2	2 HOUR FIRE BARRIER	U408	3 5/8" MS
TYPE F			
F-P	--		NO STUD

PARTITION GENERAL NOTES

1. ALL RATED AND UNRATED INTERIOR PARTITIONS (STUD AND GWB) SHALL EXTEND THROUGH CEILING TO DECK ABOVE, UNO.
2. PRIORITY 1 PARTITIONS ARE THE HIGHEST PRIORITY LEVEL. REFER TO PRIORITY LEGEND BELOW.
3. ALL INTERIOR PARTITIONS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD, UNO.
4. INSIDE FACE OF EXTERIOR WALLS SHALL RECEIVE 5/8" GLASS-MAT TYPE 'X' GYPSUM BOARD, UNO. GC TO PREP GWB AS REQUIRED FOR FINAL SPECIFIED FINISH.
5. PROVIDE HIGH IMPACT RESISTANT GYPSUM BOARD ON ALL OF THE FOLLOWING PARTITION LOCATIONS, UNO: CORRIDORS, EXAM ROOM HEADWALLS, STORAGE ROOMS, AND ALCOVES.
6. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL OF THE FOLLOWING PARTITION LOCATIONS, UNO: JANITOR ROOMS (AND CEILING), TOILET ROOMS (AND CEILINGS), PARTITIONS ADJACENT TO CASEWORK WITH SINKS, PARTITIONS ADJACENT TO HAND-WASH STATIONS/LAVATORIES.
7. AT PARTITION TYPES INDICATED WITH 'T': PROVIDE SCHEDULED TILE OVER ADHESIVE (PER TILE MANUFACTURER) OVER 5/8" CEMENTITIOUS BACKER BOARD.
8. AT PARTITION TYPES INDICATED WITH 'P': PROVIDE 5/8" IMPACT RESISTANT GYPSUM BOARD ON 1/2" FIRE-TREATED PLYWOOD SUBSTRATE ON ROOM SIDE.
9. AT PARTITION TYPES INDICATED WITH 'L': PROVIDE 5/8" LEAD LINED GYPSUM BOARD ON LEAD SHEET (REFER TO PHYSICIST REPORT FOR THICKNESS). LEAD SIDE SHALL BE ON THE IMAGING ROOM SIDE OF THE WALL. LEAD SHEETS SHALL EXTEND 7'-0" AFF MINIMUM WITH 1'-0" LAP JOINTS. REFER TO PHYSICIST REPORT FOR ALL SHIELDING REQUIREMENTS.
10. GC SHALL INSTALL METAL BACKING PLATES OR FIRE-RETARDANT WOOD BLOCKING TO SUPPORT LOADS IMPOSED AT WALL-MOUNTED AND WALL-HUNG ITEMS AS OUTLINED IN THE PROJECT MANUAL.
11. PRIOR TO ENCLOSING A PARTITION CAVITY, GC SHALL ENSURE STUD WALL IS FREE OF DEBRIS AND DUST.
12. PROVIDE INTERIOR PARTITION CONTROL JOINTS PER ASTM C840 AT 30' MAXIMUM
13. WHERE A RATED PARTITION INTERSECTS WITH THE NON-RATED ROOF DECK ASSEMBLY, UL HW-D-0049 SHALL BE USED.
14. WHERE A RATED PARTITION SITS ON A CONCRETE SLAB-ON-GRADE, THE JOINT ASSEMBLY SHALL BE UL BW-S-0001.
15. WHERE LESS THAN 12" DIAMETER CONDUIT PENETRATES A RATED GYPSUM PARTITION, THE JOINT ASSEMBLY SHALL BE UL W-L-5001.
16. WHERE LOW-VOLTAGE WIRING PENETRATES A RATED GYPSUM PARTITION, THE JOINT ASSEMBLY SHALL BE UL W-L-3320 (IN WALL) AND UL W-L-3334 (THRU WALL).
17. WHERE PARTITIONS ARE REQUIRED TO HAVE A FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED. USE INTUMESCENT FIRESTOP MOLDABLE PUTTY PAD AT ALL RECESSED FIXTURES IN FIRE-RATED WALLS.

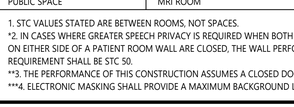
PARTITION TAG LEGEND

PARTITION TAG GRAPHIC

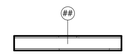


ABBREVIATIONS:
P - PLYWOOD
s - SMOKE PARTITION
S - SMOKE BARRIER
T - TILE
L - LEAD

PARTITION TAG ABBREVIATION



STC TAG GRAPHIC



STC = SOUND TRANSMISSION CLASSIFICATION

REFER TO STC WALL RATING

PARTITION PRIORITY LEGEND

PARTITION TYPE	PRIORITY
2 HR FIRE BARRIER	1 HIGHEST
1 HR FIRE/SMOKE BARRIER	2
1 HR FIRE BARRIER	3
SMOKE PARTITION	4
NON RATED	5 LOWEST

STC WALL RATING

ADJACENCY COMBINATION		STC
PATIENT ROOM	PATIENT ROOM (WALL-SAME FLOOR)	45
PATIENT ROOM	PATIENT ROOM (FLOOR-TO-FLOOR)	50
PATIENT ROOM	CORRIDOR (WITH ENTRANCE)	35 **
PATIENT ROOM	PUBLIC SPACE	50
PATIENT ROOM	SERVICE AREA	60
EXAM ROOM	CORRIDOR (WITH ENTRANCE)	35 **
EXAM ROOM	PUBLIC SPACE	50
TREATMENT	ROOM	50
TREATMENT	CORRIDOR	35
TOILET	PUBLIC SPACE	45
CONSULT	PUBLIC SPACE	50
CONSULT	PATIENT ROOMS	50
CONSULT	CORRIDOR (WITH ENTRANCE)	35 **
PATIENT ROOM	MRI ROOM	60
EXAM ROOM	MRI ROOM	60
EXAM ROOM	EXAM (NO ELEC. MASKING)	50
EXAM ROOM	EXAM (WITH ELEC. MASKING)	40 ***
PUBLIC SPACE	MRI ROOM	50

1. STC VALUES STATED ARE BETWEEN ROOMS, NOT SPACES.
*2. IN CASES WHERE GREATER SPEECH PRIVACY IS REQUIRED WHEN BOTH PATIENT DOORS ON EITHER SIDE OF A PATIENT ROOM WALL ARE CLOSED, THE WALL PERFORMANCE REQUIREMENT SHALL BE STC 50.
**3. THE PERFORMANCE OF THIS CONSTRUCTION ASSUMES A CLOSED DOOR.
***4. ELECTRONIC MASKING SHALL PROVIDE A MAXIMUM BACKGROUND LEVEL OF 48 dBA.

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS



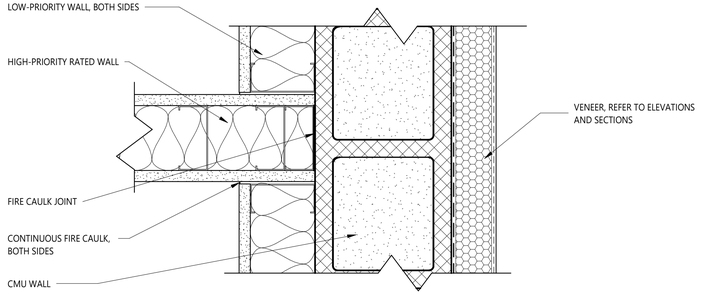
William E. Hereford, III
AR # 96247

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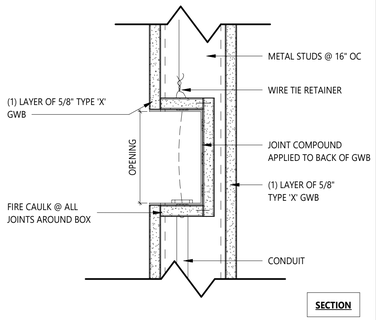
TITLE: PARTITION TYPES

SHEET: G002

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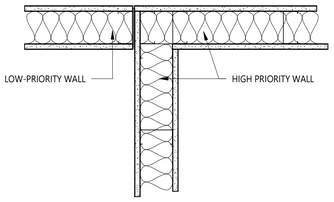


11 RATED PARTITION AT EXTERIOR CMU CONSTRUCTION
SCALE: 3" = 1'-0"

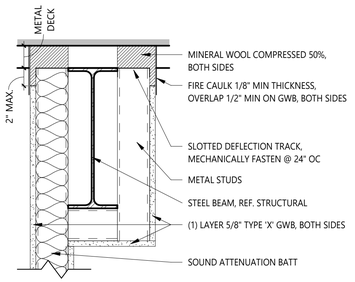


5 FIVE-SIDED BOX ENCLOSURE DETAIL
SCALE: 3" = 1'-0"

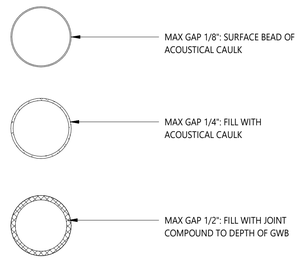
COMPLETE CONSTRUCTION OF HIGH PRIORITY WALL PRIOR TO CONSTRUCTION OF LOW PRIORITY WALL.



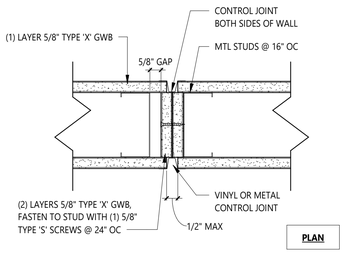
STEP 1



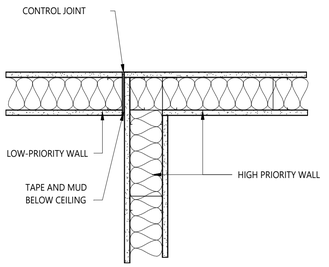
10 RATED BARRIER AT ADJACENT STRUCTURAL BEAM
SCALE: 1 1/2" = 1'-0"



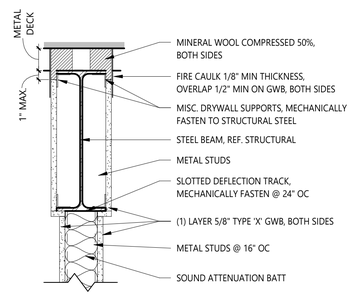
8 PENETRATION TREATMENT DETAIL @ NON-RATED PARTITION
SCALE: 1 1/2" = 1'-0"



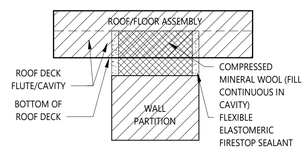
4 CONTROL JOINT DETAIL @ 1 HOUR PARTITION OR BARRIER
SCALE: 3" = 1'-0"



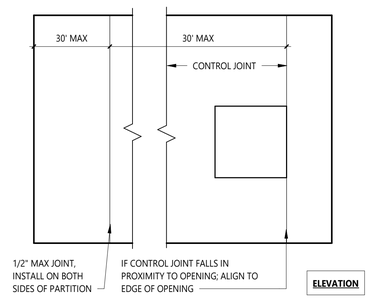
1A **STEP 2**



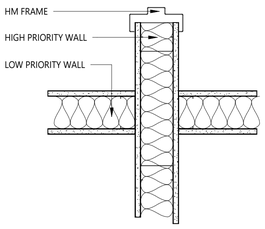
9 RATED BARRIER AT PARALLEL STRUCTURAL BEAM
SCALE: 1 1/2" = 1'-0"



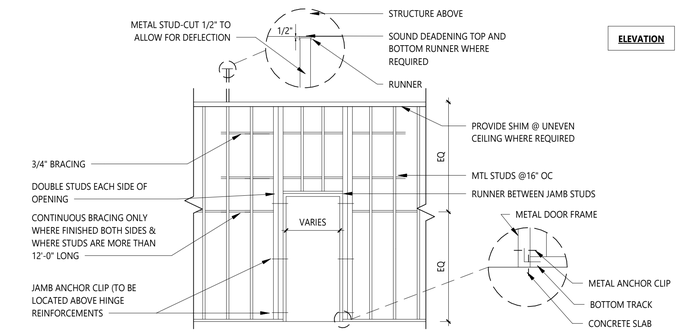
7 WALL TERMINATION DETAIL
SCALE: 3" = 1'-0"



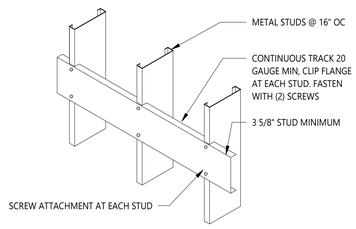
3 CONTROL JOINTS @ INTERIOR PARTITIONS
SCALE: 1/4" = 1'-0"



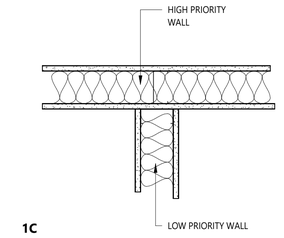
1B



6 NON-STRUCTURAL FRAMING DETAILS FOR WALLS NOT GOING TO DECK
SCALE: 1/4" = 1'-0"



2 CONTINUOUS IN-WALL BACKING DETAIL
SCALE: 1" = 1'-0"



1C

1 PRIORITY INTEIROR WALL INTERSECTION DETAIL
SCALE: 1 1/2" = 1'-0"

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD, III
REGISTERED ARCHITECT
12-18-2025

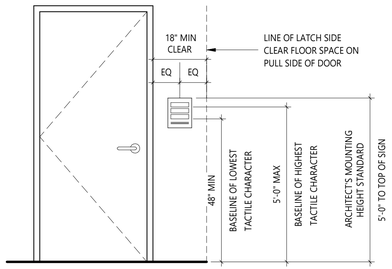
William E. Hereford, III
AR # 96247

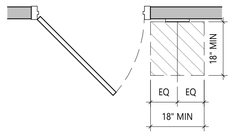
DATES OF ISSUANCE
12/18/2025
△

TITLE
PARTITION DETAILS

SHEET
G003

12/18/2025 4:16:10 PM
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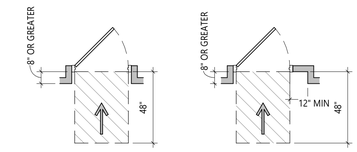




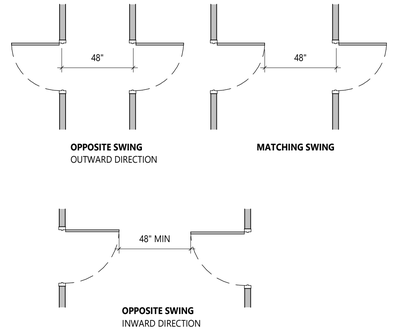
SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MINIMUM BY 18" MINIMUM, **CENTERED ON THE TACTILE CHARACTERS**, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

- WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR
- SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD OPEN DEVICES.

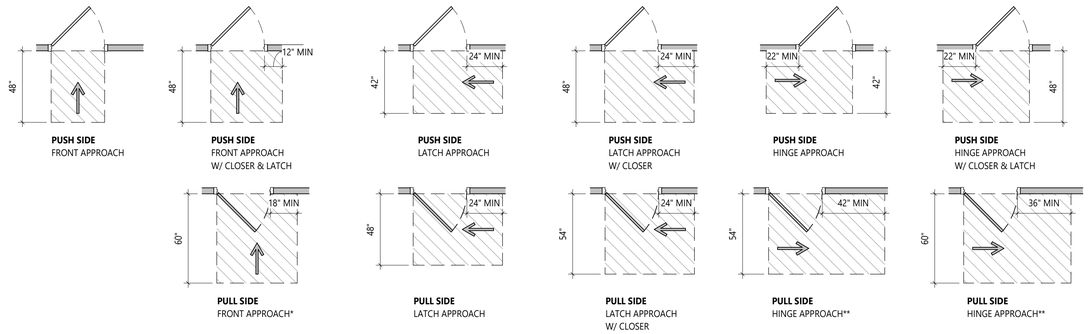
ALL INTERIOR SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE 2010 ADA STANDARDS AND ANY STATE AND LOCAL APPLICABLE CODES.



RECESS DEPTH MAY BE DUE TO WALL THICKNESS OR JOG, OR IT MAY BE DUE TO FIXED ELEMENTS ADJACENT TO THE DOORWAY.



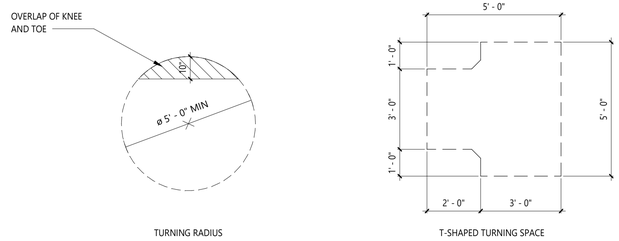
7 SIGNAGE INFORMATION
SCALE: 1/2" = 1'-0"



* NO CHANGE TO PULL SIDE, FRONT APPROACH CLEARANCE WHEN CLOSER AND/OR LATCH ARE ADDED
** TWO OPTIONS FOR PULL SIDE, HINGE APPROACH CLEARANCE; NO CHANGE WHEN CLOSER AND/OR LATCH ARE ADDED

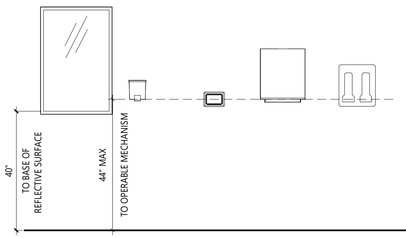
6 RECESSED DOOR APPROACH CLEARANCES
SCALE: 1/4" = 1'-0"

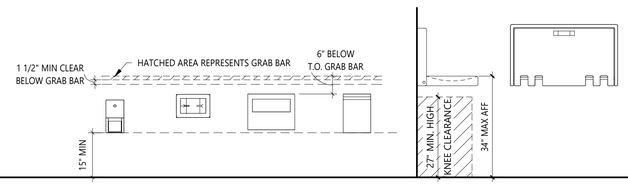
5 DOORS IN A SERIES
SCALE: 1/4" = 1'-0"



PER 2020 FBC ACCESSIBILITY 304.3

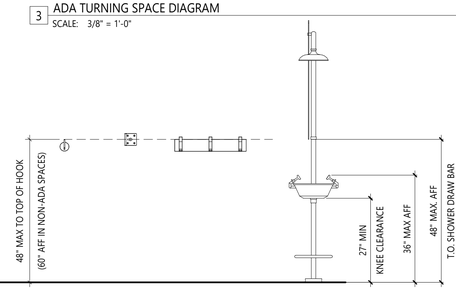
4 DOOR APPROACH CLEARANCES
SCALE: 1/4" = 1'-0"





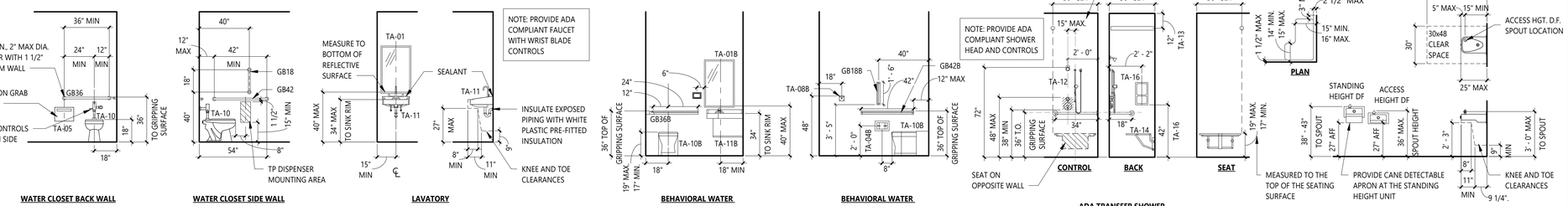
TA-01 MIRROR
TA-02 SOAP / SANITIZER DISPENSER
TA-02B FULLY RECESSED SOAP HOLDER (ANTI-LIGATURE)
TA-03 PAPER TOWEL DISPENSER
TA-03B PAPER TOWEL HOLDER (ANTI-LIGATURE)
TA-04 TOILET PAPER DISPENSER
TA-04B TOILET PAPER DISPENSER (ANTI-LIGATURE)
TA-05 TOILET SEAT COVER DISPENSER
TA-06 SANITARY NAPKIN DISPOSAL
TA-07 BABY CHANGING STATION

3 ADA TURNING SPACE DIAGRAM
SCALE: 3/8" = 1'-0"



TA-08 ROBE HOOK
TA-08B ROBE HOOK (ANTI-LIGATURE)
TA-09 COAT RACK
SAFETY SHOWER & EYE WASH (PER ANSI 309.2-4)

2 G004 - ADA REACH RANGE
SCALE: 1/2" = 1'-0"



1 TOILET ACCESSORY MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

ACCESSIBLE SIGNAGE

CHARACTER PROPORTIONS:

LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10, UTILIZING AN UPPER CASE 'X' FOR MEASUREMENT.

CHARACTER HEIGHT:

SEE LETTER AND NUMBER HEIGHT CHART BELOW
*EXCEPTION: CHARACTER HEIGHT SHALL BE 5/8" HIGH MINIMUM FOR BUILDING DIRECTORIES.

PICTOGRAMS:

WHERE PICTOGRAMS ARE REQUIRED, THEY SHALL HAVE A 6" MINIMUM SIZE MEASURED AT THE BORDER. WHERE TEXT DESCRIPTORS FOR PICTOGRAMS ARE REQUIRED, THEY SHALL COMPLY WITH THE TACTILE CHARACTER PROVISIONS OF RAISED CHARACTERS AND SYMBOLS, BRAILLE, AND LOCATION OF TACTILE SIGNAGE PORTIONS BELOW.

FINISH AND CONTRAST:

THE CHARACTERS, SYMBOLS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND BRAILLE, AND LOCATION OF TACTILE SIGNAGE PORTIONS BELOW. LIGHT BACKGROUND.

RAISED CHARACTERS AND SYMBOLS:

CHARACTERS AND SYMBOLS ON TACTILE SIGNS SHALL BE RAISED 1/32" MINIMUM. RAISED CHARACTERS AND SYMBOLS SHALL BE IN UPPERCASE CHARACTERS. RAISED CHARACTERS AND SYMBOLS SHALL BE 5/8" HIGH MINIMUM, AND 2" MAXIMUM. RAISED CHARACTERS AND SYMBOLS SHALL BE ACCOMPANIED BY BRAILLE IN ACCORDANCE WITH THE PROVISIONS OUTLINED BELOW.

BRAILLE:

BRAILLE SHALL BE SEPARATED 1/2" MINIMUM FROM THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS. BRAILLE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS FOR ELEVATOR CONTROLS SHALL BE PLACED 3/16" MINIMUM BELOW THE CORRESPONDING CHARACTERS OR SYMBOLS. BRAILLE SHALL BE GRADE II AND SHALL CONFORM TO SPECIFICATION #800, NATIONAL LIBRARY SERVICE, LIBRARY OF CONGRESS.

LOCATION OF TACTILE SIGNAGE:

TACTILE SIGNAGE SHALL BE LOCATED ALONGSIDE THE DOOR ON THE LATCH SIDE AND SHALL BE MOUNTED AT 60" ABOVE THE ADJACENT FINISHED FLOOR TO THE TOP OF THE SIGN. IN LOCATIONS HAVING DOUBLE DOORS, TACTILE SIGNS SHALL BE MOUNTED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.

GENERAL NOTES:

ANY ADDITIONAL TEXT REQUIRED DUE TO LOCAL ORDINANCES (FINES FOR PARKING IN ACCESSIBLE SPACES, ETC.) SHALL COMPLY WITH THE SIGNAGE REQUIREMENTS ABOVE.

ALL INTERIOR SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF ADA 2010 AND ANY OTHER STATE OR LOCAL APPLICABLE CODES.

LETTER & NUMBER HEIGHTS

HEIGHT ABOVE FLOOR/ GROUND:	MINIMUM CHARACTER HEIGHT:
GREATER THAN 80" (6'-8") AFF	3"
GREATER THAN 60" (5'-0") AFF BUT LESS THAN 80" (6'-8") AFF	2"
GREATER THAN 48" (4'-0") AFF BUT LESS THAN 60" (5'-0") AFF	5/8"

TOILET ACCESSORY SCHEDULE

EQUIP #	DESCRIPTION	RESPONSIBILITY CFCI	OFCI	OFOI
GB18	GRAB BAR - 18"	•		
GB18B	GRAB BAR - 18" (ANTI-LIGATURE)	•		
GB24	GRAB BAR - 24"	•		
GB24L	SHOWER - ADA GRAB BAR	•		
GB29C	GRAB BAR - 29" (SWING-UP RATED FOR 500 LBS)	•		
GB36	GRAB BAR - 36"	•		
GB36B	GRAB BAR - 36" (ANTI-LIGATURE)	•		
GB36C	GRAB BAR - 36" (RATED FOR 1,000 LBS)	•		
GB42	GRAB BAR - 42"	•		
GB42B	GRAB BAR - 42" (ANTI-LIGATURE)	•		
GB42C	GRAB BAR - 42" (RATED FOR 1,000 LBS)	•		
TA-01	MIRROR	•		
TA-01B	MIRROR (ANTI-LIGATURE)	•		
TA-02	SOAP/HAND SANITIZER DISPENSER		•	
TA-02B	SOAP HOLDER (ANTI-LIGATURE)	•		
TA-03	PAPER TOWEL DISPENSER		•	
TA-03B	PAPER TOWEL DISPENSER (ANTI-LIGATURE)	•		
TA-04	TOILET PAPER DISPENSER		•	
TA-04B	TOILET PAPER HOLDER (ANTI-LIGATURE)	•		
TA-05	TOILET COVER DISPENSER	•		
TA-06	SANITARY NAPKIN DISPOSAL	•		
TA-07	BABY CHANGING STATION	•		
TA-08	ROBE / COAT HOOK	•		
TA-09	COAT RACK	•		
TA-12	SHOWER HEAD & HAND HELD SHOWER SPRAY	•		
TA-13	SHOWER CURTAIN ROD	•		
TA-13B	SHOWER CURTAIN			•
TA-14	FOLDING SHOWER SEAT	•		
TA-16	RECESSED TOILETRY SHELF	•		

*SHOWER CURTAIN IS OFCI; SHOWER ROD IS CFCI

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS



William E. Hereford, III
AR # 96247

DATES OF ISSUANCE: 12/18/2025 △

TITLE: ACCESSIBILITY INFORMATION

SHEET: G004

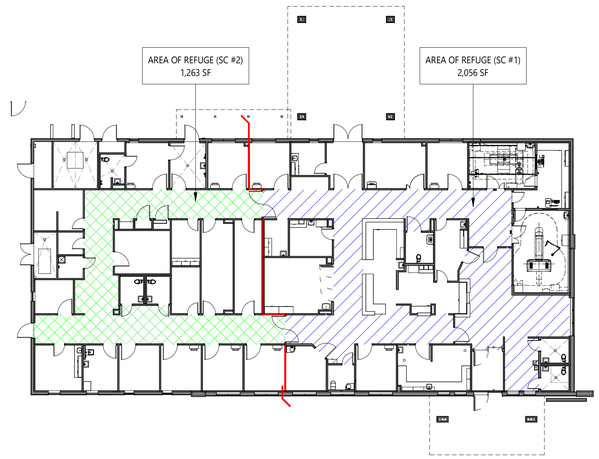
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SMOKE COMPARTMENT LEGEND



1 SMOKE COMPARTMENT KEYPLAN
SCALE: 1" = 20'-0"

SMOKE COMPARTMENT LEGEND



2 AREA OF REFUGE KEYPLAN
SCALE: 1" = 20'-0"

OCCUPANT LOAD

PER FBC CH. 10

RM. NO.	ROOM NAME	FLOOR AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
SMOKE COMPARTMENT 1				
100	ENTRY VESTIBULE	97 SF	7 SF	15
101	WAITING	203 SF	3 SF	68
102	RECEPTION	45 SF	100 SF	0
104	NURSE STATION	270 SF	100 SF	3
105	DICTATION	161 SF	100 SF	3
109	EXAM 11 (RESUSCITATION)	287 SF	100 SF	4
111	NOURISH	68 SF	300 SF	1
116	EXAM 2 (BH)	131 SF	100 SF	2
117	EMS LOUNGE	86 SF	15 SF	6
122	P.O.C. LAB	256 SF	100 SF	4
135	EXAM 10 (PELVIC)	144 SF	100 SF	2
137	EXAM 9 (IOS)	217 SF	100 SF	3
139	EXAM 8	143 SF	100 SF	2
141	EXAM 1 (OBSERVATION)	144 SF	100 SF	2
142	TRIAGE	137 SF	100 SF	2
145	DIAGNOSTIC X-RAY	235 SF	100 SF	3
147	CONTROL	198 SF	100 SF	2
148	CT	358 SF	100 SF	4
151	MEDS	118 SF	100 SF	2
	SMOKE COMPARTMENT #1 TOTAL OCCUPANTS =			129
SMOKE COMPARTMENT 2				
107	EXAM 3	144 SF	100 SF	2
114	EXAM 4	144 SF	100 SF	2
118	EXAM 6 (AII)	151 SF	100 SF	3
126	OFFICE	103 SF	100 SF	2
127	STAFF LOUNGE	167 SF	15 SF	11
128	SOILED WORKROOM	120 SF	300 SF	1
129	EQUIP STORAGE	226 SF	300 SF	1
131	ELEC-1	155 SF	300 SF	1
133	EXAM 5	144 SF	100 SF	2
140	EXAM 7	143 SF	100 SF	2
150	MECH	162 SF	300 SF	1
155	ELEC-2	44 SF	300 SF	1
157	CLEAN SUPPLY	199 SF	300 SF	1
161	MAT. MGMT./OFFICE	101 SF	100 SF	2
163	PHARMACIST OFFICE	101 SF	100 SF	2
	SMOKE COMPARTMENT #2 TOTAL OCCUPANTS =			34
	TOTAL OCCUPANTS =			163

AREA OF REFUGE CALCULATION

SMOKE COMPARTMENT #1:
6 PATIENTS x 30 SF = 180
122 OCCUPANTS x 6 SF = 732

TOTAL REQUIRED AREA OF REFUGE FOR SMOKE COMPARTMENT #1 = **912 SF**

MOVE COMPARTMENTS, *(TO COMPARTMENT #1)*
AREA PROVIDED FOR SC #2 = 1,263 SF

SMOKE COMPARTMENT #2:
5 PATIENTS x 30 SF = 150
29 OCCUPANTS x 6 SF = 174

TOTAL REQUIRED AREA OF REFUGE FOR SMOKE COMPARTMENT #2 = **324 SF**

MOVE COMPARTMENTS, *(TO COMPARTMENT #2)*
AREA PROVIDED FOR SC #1 = 2,051 SF

*PER NFPA 101, 2021 ed. SECTION 18.3.7.3.5.1

AREA OF REFUGE, SMOKE COMP. #1

ROOM NO.	ROOM NAME	AREA
101	WAITING	203 SF
113	CORRIDOR	225 SF
115	CORRIDOR	364 SF
130	WHEELCHAIR ALCOVE	140 SF
136	CORRIDOR	676 SF
154	CORRIDOR	448 SF
TOTAL		2056 SF

AREA OF REFUGE, SMOKE COMP. #2

ROOM NO.	ROOM NAME	AREA
144	CORRIDOR	421 SF
149	CORRIDOR	385 SF
152	CORRIDOR	344 SF
164	RECEIVING / CORRIDOR	112 SF
TOTAL		1263 SF

EXIT CALCULATIONS

REQUIRED EXITS	2
PROVIDED EXITS	3
EGRESS WIDTH PER PERSON FACTOR (DOOR)	0.2
REQUIRED EXIT WIDTH	32.6" (163 OCCUPANTS x .2")
PROVIDED EXIT WIDTH (TOTAL)	231"
MAX OCCUPANTS SERVED BY EXIT (TOTAL)	1,155

*REFER TO LIFE SAFETY PLAN FOR EXIT WIDTH NOTES

CODE SUMMARY

A. APPLICABLE CODES:
(INCLUDING BUT NOT LIMITED TO)

2023 FLORIDA BUILDING CODE, 8TH EDITION
2023 FLORIDA MECHANICAL CODE, 8TH EDITION
2023 FLORIDA PLUMBING CODE, 8TH EDITION
2023 FLORIDA ENERGY CONSERVATION CODE, 8TH EDITION
2023 FLORIDA ACCESSIBILITY CODE, 8TH EDITION
2023 FLORIDA FUEL GAS CODE, 8TH EDITION
2023 FLORIDA TEST PROTOCOLS FOR HIGH-VELOCITY HURRICANE ZONES, 8TH EDITION

2020 NATIONAL ELECTRIC CODE (NFPA 70)
2023 FLORIDA FIRE PREVENTION CODE, 8TH EDITION

2022 FACILITY GUIDELINES INSTITUTE (FGI), GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES

2021 NFPA 101: LIFE SAFETY CODE
2021 NFPA 220: STANDARD ON TYPES OF BUILDING CONSTRUCTION
2021 NFPA 99: HEALTH CARE FACILITIES CODE
2019 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE
2019 NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
2021 NFPA 90A: STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS
2019 NFPA 110: STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS

2012 NFPA 101 (LSC) & NFPA 99 (HCFC) PER CMS APPLICABLE CODES

B. AUTHORITIES HAVING JURISDICTION (AHJ):
AHCA - TALLAHASSEE REGION, SUB GROUP THA 1
AHCA OFFICE OF PLANS & CONSTRUCTION
2727 MAHAN DRIVE - MAIL STOP #24
TALLAHASSEE, FL 32308

AHJ - WALTON COUNTY BUILDING DEPARTMENT
76 N 6TH STREET, DEFUNIAK SPRINGS, FL 32433

C. BUILDING DESIGN DATA:

CONSTRUCTION TYPE
TYPE II-B - FULLY SPRINKLERED (TABLE 601)
TYPE II (000) (NFPA CH. 20)

BUILDING HEIGHT & AREA:
ALLOWED HEIGHT: 55 FEET, ONE STORY (TABLE 504.3 & 504.4)
ALLOWED AREA: 44,000 SF (TABLE 506.2)

ACTUAL HEIGHT: 30'-0"; ONE STORY
ACTUAL AREA:
FIRST FLOOR: 10,513 SF
CANOPIES: 1,961 SF
TOTAL: 12,434 SF

D. OCCUPANT TYPE AND LOAD:

OCCUPANCY TYPE
GROUP I-2 (CONDITION 2) (SECTION 308.4)
NEW HEALTHCARE (NFPA CH. 18)

OCCUPANCY SEPARATION
N/A

INCIDENTAL USES (TABLE 509)
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT — 1 HR. OR AUTO SPRINKLER
ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER — 1 HR. OR AUTO SPRINKLER
IN GROUP I-2 OCCUPANCIES, LABORATORIES NOT CLASSIFIED AS GROUP H — 1 HR. OR AUTO SPRINKLER
IN AMBULATORY CARE FACILITIES, LABORATORIES NOT CLASSIFIED AS GROUP H — 1 HR. OR AUTO SPRINKLER
IN GROUP 1-2, PHYSICAL PLANT MAINTENANCE SHOPS — 1 HR.
IN AMBULATORY CARE FACILITIES OR GROUP I-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS WITH CONTAINERS THAT HAVE AN AGGREGATE VOLUME OF 10 CUBIC FEET OR GREATER — 1 HR.
IN AMBULATORY CARE FACILITIES OR GROUP I-2 OCCUPANCIES, STORAGE ROOMS GREATER THAN 100 SQUARE FEET — 1 HR.

OCCUPANT LOAD:
SEE CHART SAME SHEET

E. MEANS OF EGRESS:

MEANS OF EGRESS SIZING:
OTHER EGRESS COMPONENTS (SECTION 1005.3.2)
OCCUPANT LOAD * 0.2" PER OCCUPANT = CAPACITY

REFERENCE EXIT CALCULATIONS, SAME SHEET

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1)
MAXIMUM COMMON PATH OF EGRESS TRAVEL: 75 FEET

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY (TABLE 1006.3.2)
OCCUPANT LOAD PER STORY: 1-500
MIN. NUMBER OF EXITS: 2

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
OCCUPANCY — DISTANCE (FEET)
I-2 — 200

MINIMUM CORRIDOR WIDTH (TABLE 1020.2)
MINIMUM WIDTH:
ANY FACILITY NOT LISTED BELOW: 44"
WITH OCCUPANT CAPACITY LESS THAN 50: 36"
CORRIDORS AND AREAS SERVING STRETCHER TRAFFIC: 72"
GROUP I-2 IN AREAS WHERE REQUIRED FOR BED MOVEMENT: 96"

DEAD END CORRIDORS (SECTION 1020.4)
MAX. LENGTH: 20'

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.1)
OCCUPANCY — RATING
I-2 — 0 HRS (SPRINKLERED)

F. FIRE PROTECTION REQUIREMENTS
FULLY SPRINKLERED PER NFPA 13 (SECTION 903.3.6)

NOTE F: (TABLE 506.2)
NEW AND EXISTING GROUP I-2 OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.6 AND THE FLORIDA FIRE PREVENTION CODE

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601 & NFPA A.8.2.1.2)
PRIMARY STRUCTURAL FRAME: 0
BEARING WALLS, EXTERIOR: 0
BEARING WALLS, INTERIOR: 0
NONBEARING WALLS & PARTITIONS, EXTERIOR: 0
NONBEARING WALLS & PARTITIONS, INTERIOR: 0
FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS (TABLE A602)
LESS THAN 5' 1
5' TO 10' 1
10' TO 30' 0
GREATER THAN 30' 0

ALLOWABLE MATERIALS (SECTION 603.1)
FIRE-RETARDANT-TREATED WOOD SHALL BE PERMITTED IN:
1.1 NONBEARING PARTITIONS WHERE THE REQUIRED FIRE-RESISTANCE RATING IS 2 HOURS OR LESS
1.2 NONBEARING EXTERIOR WALLS WHERE THE FIRE-RESISTANCE-RATED CONSTRUCTION IS NOT REQUIRED
1.3 ROOF CONSTRUCTION, INCLUDING GIRDERS, TRUSSES, FRAMING AND DECKING

FIRE-RESISTANCE ASSEMBLY MARKING (SECTION 703.7)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8-INCH STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS", OR OTHER WORDING.

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS (FBC 2023, TABLE 716.5)

	REQUIRED WALL ASSEMBLY (HR)	MINIMUM FIRE DOOR RATING (HR)	DOOR VISION PANEL SIZE
FIRE PARTITIONS: CORRIDOR WALLS	1	1/3	D-20
OTHER FIRE PARTITIONS	1	3/4	D-H-45
SMOKE BARRIERS	1	1/3	D-20

G. ACCESSIBILITY REQUIREMENTS

ACCESSIBLE PARKING FOR GROUPS I (TABLE 1106.1)
TOTAL PARKING SPACES PROVIDED: 54
REQUIRED MINIMUM NUMBER OF ACCESSIBLE SPACES: 1

ACTUAL: 5 ACCESSIBLE SPACES (INCLUDING 2 VAN PARKING SPACE)

H. ENERGY CODE REQUIREMENTS
APPLICABLE CODE YEAR: 2023

LOCATION
SANTA ROSA BEACH, FLORIDA
WALTON COUNTY = CLIMATE ZONE 2A (TABLE C301.1)

BUILDING ENVELOPE REQUIREMENTS - OPAQUE ASSEMBLIES (TABLE C402.1.3 & 4)
ROOF (INSULATION ENTIRELY ABOVE DECK): R-25 ci
WALLS ABOVE GRADE (MASS): R-5.7 ci
WALLS BELOW GRADE: NO REQUIREMENT
SLAB-ON-GRADE FLOORS (UNHEATED SLABS): NO REQUIREMENT
OPAQUE DOORS (SWINGING): U-0.61

BUILDING ENVELOPE REQUIREMENTS - FENESTRATION (TABLE C402.4)
METAL FRAMING WITH OR WITHOUT THERMAL BREAK:
-FIXED FENESTRATION: U-0.50
-ENTRANCE DOORS: U-0.83

SOLAR HEAT GAIN COEFFICIENT (SHGC):
-FIXED FENESTRATION: 0.25 (SEW) AND 0.33 (N)
-OPERABLE FENESTRATION: 0.65

J. MISCELLANEOUS

ADDRESS IDENTIFICATION: (SECTION 501.1)
NEW AND EXISTING BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 1/2 INCH. WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION SHALL BE MAINTAINED.

APPLICABLE SECTIONS IN CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY
SECTION 407, GROUP I-2

K. PLUMBING FIXTURE COUNT (TABLE 2902.1)

EMPLOYEES	WATER CLOSETS M	WATER CLOSETS F	URINALS	LAVATORIES M	LAVATORIES F	SHOWERS & TUBS	DRINKING FOUNTAINS TYP.	DRINKING FOUNTAINS ADA	SERVICE SINKS
CALCULATION	1 PER 25		-	1 PER 35		N/A	1 PER 100		-
REQUIRED	2		-	2		N/A	1		-
PROVIDED	2		-	2		N/A	1	1	2

NOTE: EMPLOYEE COUNT = 24 MAX (APPROX 12 PER SHIFT)

NOTE: PROVIDE WATER AT THE NOURISHMENT STATION AND STAFF LOUNGE

VISITORS/ PATIENTS	WATER CLOSETS M	WATER CLOSETS F	URINALS	LAVATORIES M	LAVATORIES F	SHOWERS & TUBS	DRINKING FOUNTAINS TYP.	DRINKING FOUNTAINS ADA	SERVICE SINKS
CALCULATION	1 PER 75		-	1 PER 100		N/A	1 PER 500		-
REQUIRED	2		-	2		N/A	1		-
PROVIDED	5		-	5		N/A	1	1	-

NOTE: VISITOR COUNT BASED ON OCCUPANT LOAD CHART SAME SHEET (163 - 12 STAFF = 151)

*"The federal government, through the Center for Medicare/Medicaid Services (CMS) has adopted the 2012 edition of the NFPA 101 Life Safety Code (and all NFPA codes and standards as referenced therein) and the 2012 NFPA 99 Health Care Facilities Code as modified by 42 CFR Parts 403, 416, and 418 for purposes of certification of all facilities participating in the federal Medicare/Medicaid programs. These modifications exclude adoption of 2012 NFPA 99 chapters 7, 8, 12, and 13. Therefore, all projects and all certified existing facilities must be in compliance with these codes, as well as the Florida state fire codes. Wherever the requirements of federally adopted codes or standards differ from those adopted by the State, the more stringent requirement shall prevail."

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
△

TITLE: LIFE SAFETY CODE DATA

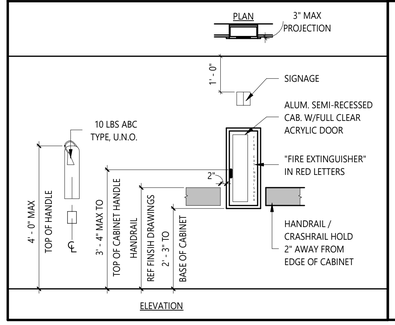
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FIRE EXTINGUISHER DETAIL

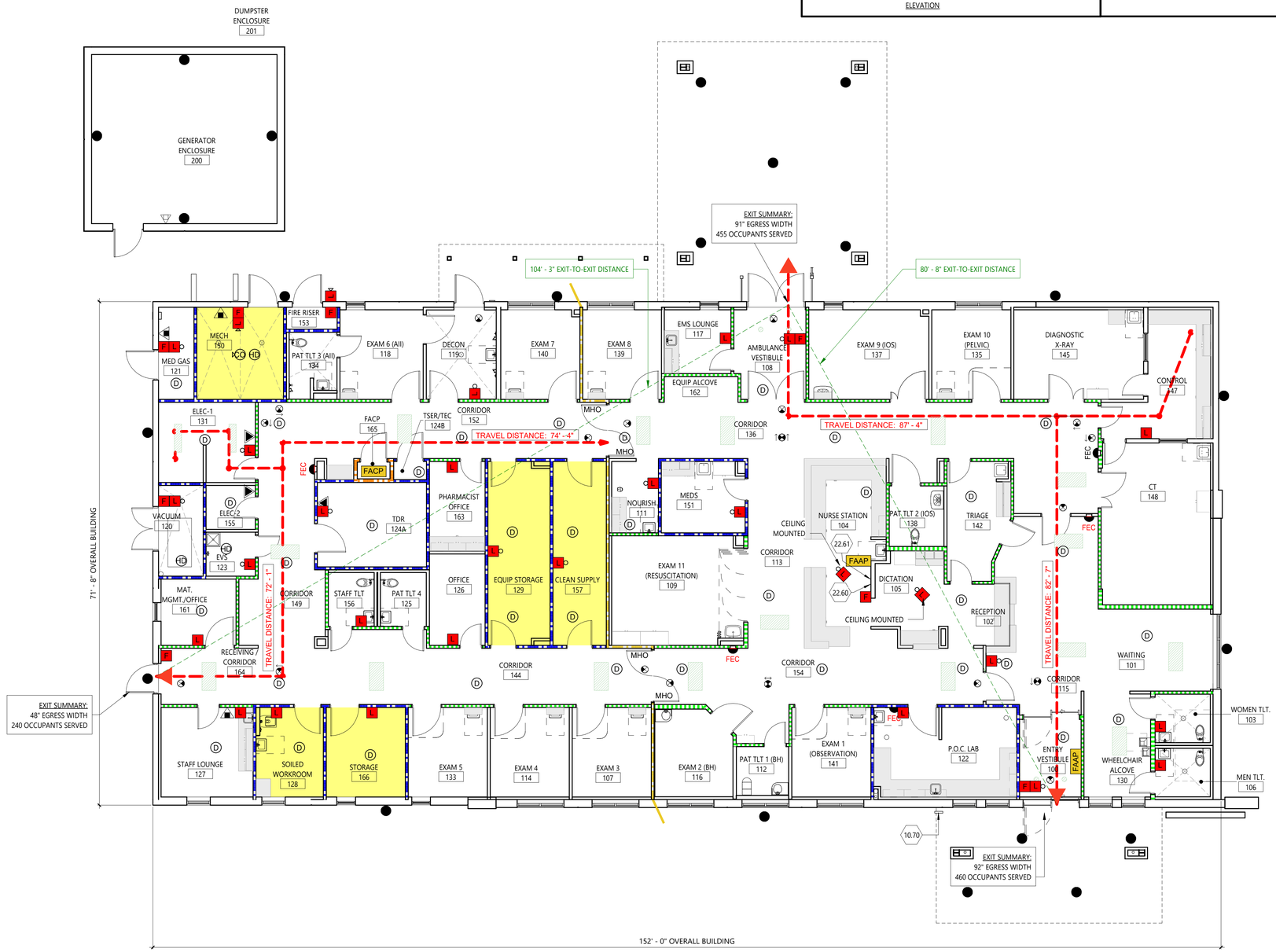


FIRE EXTINGUISHER NOTES

1. EXTINGUISHER LEGEND: 10:ABC CLASS DRY CHEMICAL, MULTIPURPOSE EXTINGUISHER.
2. EXTINGUISHERS MUST BE LOCATED, INSTALLED, SIZED, AND MAINTAINED ACCORDING TO NFPA 10.
3. EXTINGUISHERS (LESS THAN 40 LBS) MUST BE INSTALLED SO THAT THE HANDLE OF THE EXTINGUISHER IS NOT MORE THAN 42" ABOVE THE FLOOR.
4. EXTINGUISHERS (OVER 40 LBS) MUST BE INSTALLED SO THAT THE TOP OF THE EXTINGUISHER HANDLE IS NOT MORE THAN 42" ABOVE THE FLOOR.
5. THERE MUST BE A CLEARANCE OF AT LEAST 4" BETWEEN THE BOTTOM OF THE EXTINGUISHER AND THE FLOOR.
6. ALL EXTINGUISHERS MUST BE PLACED FACING OUTWARD AND BE PROVIDED WITH SIGNAGE THAT CAN BE READ FROM 25 FEET AWAY. LOCATE 12" BELOW CEILING TO TOP OF PLACARD.
7. LOCKED OR BREAK-GLASS TYPE CABINETS ARE NOT ACCEPTABLE. CABINET DOOR SHALL CLOSE WITH A CATCH OR LATCH MECHANISM (NFPA 10).
8. EXTINGUISHERS SHALL HAVE AN ELECTRONIC MONITORING DEVICE THAT MEETS NFPA 72 &/ UL. THE DEVICE SHALL NOTIFY FACILITY MANAGERS THE MOMENT A FIRE EXTINGUISHER IS PULLED FROM ITS MOUNT, WHEN THE FIRE EXTINGUISHER'S ACCESSIBILITY IS BLOCKED OR WHEN ITS PRESSURE FALLS BELOW SAFE OPERATING LEVELS.
9. REFER TO THE FIRE PROTECTION DRAWINGS FOR FURTHER DETAILS.

LIFE SAFETY PLAN NOTES

1. THE GC SHALL AT ALL TIMES ENDEAVOR TO CONSTRUCT THE FACILITY IN STRICTEST ACCORDANCE TO SOUND PRACTICES OF FIRE RESISTIVE CONSTRUCTION. DEVIATIONS FROM MANUFACTURER'S RECOMMENDATIONS, INDEPENDENT FIRE TESTS, OR UL ASSEMBLY REQUIREMENTS SHALL BE CORRECTED AT NO ADDITIONAL COST.
2. PERMANENTLY LABEL ALL FIRE-RATED WALLS AND SMOKE PARTITION ASSEMBLIES WITH THE PARTITION IDENTIFICATION AS DEFINED BELOW USING LETTERING NOT LESS THAN 3 INCHES HIGH AND WITH MINIMUM 0.375-INCH STROKES.
   A. LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACE AT 15 FEET FROM END OF WALL AND AT INTERVALS NOT EXCEEDING 30 FEET.
   B. PARTITION IDENTIFICATION TEXT: APPLY THE FOLLOWING ACCORDING TO PARTITION RATINGS ON DRAWINGS AND AS ACCEPTABLE TO AHJ.
      a. SMOKE PARTITION - PROTECT ALL OPENINGS
      b. 1-HOUR SMOKE / FIRE BARRIER - PROTECT ALL OPENINGS
      c. 1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
      d. 2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
1. REFER TO ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR FIXTURE DETAILS.



1 FLOOR PLAN - LIFE SAFETY
SCALE: 1/8" = 1'-0"

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
	◆ · ◆ · ◆	1-HR FIRE BARRIER (UL U465)
	◆S — ◆S	SMOKE BARRIER (1 HOUR RATING) (UL U465)
	◆◆ — ◆◆	2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

LIFE SAFETY LEGEND

- FEC — FIRE EXTINGUISHER CABINET WITH PORTABLE FIRE EXTINGUISHER (ABC TYPE)
- PORTABLE FIRE EXTINGUISHER, WALL HUNG (ABC TYPE)
- FIRE EXTINGUISHER CABINET WITH EXTERIOR RATED FIRE EXTINGUISHER, WALL HUNG
- PORTABLE FIRE EXTINGUISHER, WALL HUNG (BC/CO2)
- ILLUMINATED EXIT SIGN
- F — FIRE ALARM - MANUAL PULL STATION
- F/L — FIRE ALARM - STROBE / CHIME
- L — FIRE ALARM - STROBE
- L — FIRE ALARM - HORN
- CO — CARBON MONOXIDE DETECTOR
- D — SMOKE DETECTOR
- HD — HEAT DETECTOR
- MHO — MAGNETIC HOLD OPEN
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANUNCIATOR PANEL
- EXTERIOR EMERGENCY LIGHTING
- INTERIOR EMERGENCY LIGHTING
- EXIT
- EGRESS PATH
- EXIT-TO-EXIT DISTANCE
- HAZARDOUS AREAS

THIS DRAWING MUST BE PRINTED IN COLOR TO REPRODUCE ALL FIRE RATED SYSTEMS AND GRAPHICS

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

10.70 LOCATION OF KNOX BOX; WALL MOUNTED. COORDINATE EXACT MODEL WITH LOCAL AHJ
22.60 LINE PRESSURE ALARMS; REF PLUMBING
22.61 MASTER ALARM PANEL; REF PLUMBING

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PROJECT # 225014.00

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — LICENSED — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

TITLE: LIFE SAFETY PLAN

SHEET: G101

UL HW-D-0049

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction to determine the fire resistance ratings required.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHBN - Joint Systems

See General Information for Joint Systems

System No. HW-D-0049

February 07, 2019

Assembly Ratings — 1 and 2 Hr (See Items 2 and 3B)
Nominal Joint Width — 1 In.
Class II Movement Capabilities — 50% Compression Or Extension
L Rating At Ambient — Less Than 1 CFM/Ln Ft
L Rating At 400°F — Less Than 1 CFM/Ln Ft

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A2. **Light Gauge Framing — Vertical Deflection Ceiling Runner** — As an alternate to the ceiling runners in Items 2A and 2A1, vertical deflection ceiling runner to consist of galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips, provided with step bushings, for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2C). Vertical deflection ceiling runner installed parallel to direction of fluted steel deck, centered beneath deck, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC, before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
STIEGLER INC — Floor and Ceiling Runners

A4. **Light Gauge Framing" — Notched Ceiling Runner** — As an alternate to the ceiling runners in Items 2A through 2A2, notched ceiling runner to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2C). Notched ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC, before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
CLIMAX SUPPLY INC — Type SCR

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A3. **Light Gauge Framing — Floor and Ceiling Runners** — As an alternate to the ceiling and floor runners in Item 2A, 2A1, 2A2 and 2A3, floor and ceiling runners to consist of galv steel channel sized to accommodate the **Light Gauge Framing" Slotted Steel Studs** (Item 2C) or **Light Gauge Framing" Slider C-Clip Systems** (Item 2C). Floor and ceiling runners to be provided with min 1-1/4 in. (32 mm) and 3 in. (76 mm) flanges, respectively. Ceiling runner installed parallel to direction of fluted steel deck, centered beneath deck, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC, before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
STIEGLER INC — Floor and Ceiling Runners

B. **Steel Attachment Clips** — (Optional — Not Shown) — When spray-applied fireproofing is used ceiling runner may be secured to deck with Z-shaped clips formed from min 1 in. (25 mm) long strips of min 20 ga galv steel. Length of clips should not exceed the width (thickness) of the wall. Clips to be sized to extend through the thickness of the spray-applied fire resistive material on the bottom of the steel deck with 1-1/2 or 2 in. (38 or 51 mm) long upper and lower legs. Legs of clips fastened perpendicular to valleys of steel deck (prior to application of spray-applied fire resistive materials) and top of ceiling runner with steel fasteners or welds spaced max 24 in. (610 mm) OC.

C. **Studs** — Steel studs to be min 2-1/2 in. (64 mm) wide. When Epic Metals composite floor or roof deck (Item 1A1) is used, studs to be min 3-5/8 in. (92 mm) wide. Studs cut 1/2 in. (13 mm) less in length than assembly height with bottom resting in and resting on floor runner and with top resting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midlength of slot on each side of wall. Stud spacing not to exceed 24 in. (610 mm) OC. When vertical deflection ceiling runner (Item 2A2) is used, steel studs secured to slotted vertical deflection clips through the bushings, with steel screws at midlength of each slot. Stud spacing not to exceed 24 in. (610 mm) OC.

C1. **Light Gauge Framing" — Slotted Studs** — Slotted steel stud to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A4). Slotted steel studs to be min 2-1/2 in. (64 mm) wide. Slotted steel studs cut 1 in. less in length than assembly height with bottom resting in and secured to both ceiling and floor runners. Ceiling runner secured to preformed slot within steel stud by means of No. 10 by 3/4 in. (19 mm) long low profile head steel screw. Floor runner attached to bottom of steel stud by means of No. 8 by 1/2 in. (13 mm) long pan head steel screw. Steel stud spacing not to exceed 24 in. (610 mm) OC.
STIEGLER INC — Slotted Stud

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1. **Floor Assembly** — The fire rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or V900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Form Units"** — Max 3 in. (76 mm) deep galv steel fluted units.

A1. **Steel Floor And Form Units"** — (Not Shown) Composite max 2.5 in. (64 mm) deep galv steel fluted units.
EPIC METALS CORP — Type "BC" or "Tuf-Deck"

B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. **Spray-Applied Fire Resistive Materials"** — (Optional) — (Not Shown) — Prior to or after the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B) the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 1-3/4 in. (44 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6 HY

ISOLATEK INTERNATIONAL — Type 300

1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly, a fire-rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P906 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
A. **Steel Roof Deck** — Max 3 in. (76 mm) deep galv steel fluted roof deck.

A1. **Steel Floor And Form Units"** — (Not Shown) Composite max 2.5 in. (64 mm) deep galv steel fluted units.
EPIC METALS CORP — Type "Tuf-Deck"

B. **Spray-Applied Fire Resistive Materials"** — (Not Shown) — Prior to or after the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B) the roof deck units may be sprayed with a min 5/16 in. (8 mm) to max 1-3/4 in. (44 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6 HY

ISOLATEK INTERNATIONAL — Type 300

C. **Roof Insulation** — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

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Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
A. **Steel Roof Deck** — Max 3 in. (76 mm) deep galv steel fluted roof deck.

A1. **Steel Floor And Form Units"** — (Not Shown) Composite max 2.5 in. (64 mm) deep galv steel fluted units.
EPIC METALS CORP — Type "Tuf-Deck"

B. **Spray-Applied Fire Resistive Materials"** — (Not Shown) — Prior to or after the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B) the roof assembly shall be sprayed with a min 5/16 in. (8 mm) to max 1-3/4 in. (44 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6 HY

ISOLATEK INTERNATIONAL — Type 300

2. **Wall Assembly** — The 2 hr fire rated gypsum board /steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Ceiling Runners** — Floor and ceiling runners of wall assembly shall consist of min 25 ga galv steel channels sized to accommodate steel studs (Item 2C). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC, before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.

A1. **Light Gauge Framing" — Slotted Ceiling Runner** — As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2C). Slotted ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC, before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLF-TR4

CALIFORNIA EXPANDED METAL PRODUCTS CO — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO

STIEGLER INC — Steeler Slotted Ceiling Runner

TELLING INDUSTRIES L L C — True-Action Deflection Track

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C2. **Light Gauge Framing" — Slider C-Clip System** — As an alternate to the **Light Gauge Framing" — Slotted Steel Studs** (Item 2C), a Slider C-Clip System consisting of a C-shaped steel clip with a slotted opening and a steel stud to be used in conjunction with **Light Gauge Framing — Floor and Ceiling Runners** (Item 2A4). Steel clips and studs to be min 2-1/2 in. (64 mm) wide. Steel studs cut min double flange depth of steel stud minus two times the flat length of the C-Clip. Steel stud and steel clips spacing not to exceed 24 in. (610 mm) OC.
STIEGLER INC — Slider C-Clip System

D. **Gypsum Board"** — Gypsum board installed to a min total thickness of 5/8 in. (16 mm) and 1-1/4 in. (32 mm) on each side of wall for 1 and 2 Hr rated assemblies respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel floor units and the top row of screws shall be installed into the studs 1-1/2 (38 mm) to 2 in. (51 mm) below the bottom of the ceiling runner. The hourly rating of the joint system is equal to the hourly fire rating of the wall.

3. **Joint System — Max separation between bottom of floor and top of wall at time of installation of joint system is 1 in. (25 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width.** The joint system consists of forming material and a fill material, as follows:
A. **Forming Material"** — Nom 5/8 in. (16 mm) and 1-1/4 in. (32 mm) wide strips of min 4 pcf (64 kg/m³) mineral wool batt insulation for 1 and 2 hr rated assemblies, respectively, compressed 50 percent in thickness and firmly packed into the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall.
INDUSTRIAL INSULATION GROUP L L C — Mineflex® 1350 Safing

ROCK WOOL MANUFACTURING CO — Delta- Board

ROCKWOOL — SAFE

THERMAFIBER INC — Type SAF

A1. **Forming Material" — Strips** — (Optional) — Nom 5/8 in. (16 mm) and 1-1/4 in. (32 mm) wide pressed mineral wool strips for 1 and 2 hr rated assemblies respectively. The strips to be compressed 50 percent in thickness and firmly packed into the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 797 Speed Strips

B. **Fill, Void or Cavity Material"** — Min 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material sprayed or troweled on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. (13 mm) onto gypsum board and steel deck on both sides of wall. When spray-applied fire resistive material is applied to the steel floor and form units, the fill material is to overlap the gypsum board a min of 1/2 in. (13 mm) and the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of wall. When spray-applied fire resistive materials are used, the joint spray shall overlap the wall a min 1/2 in. (13 mm) and overlap the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 637 MB Intrinsic Joint Spray

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*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2019-02-07

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BXUVU465

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction to determine the fire resistance ratings required.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

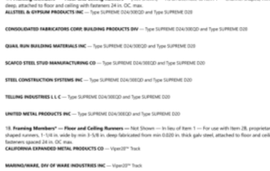
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Degree Criteria and Allowable Variances

See General Information for Fire-Resistance Ratings - CAN/ULC-S101 Certified for Canada
Degree Criteria and Allowable Variances

Design No. U465

July 31, 2001

Nonbearing Wall Rating — 1 Hr.
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

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UNITED METAL PRODUCTS INC — Type SUPREME D/A/S60/20 and Type SUPREME D20

2B. **Framing Members" — Steel Studs** — Not Shown — In lieu of Item 2, For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper-25™

CRACO MFG INC — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. **Steel Studs** — (As an alternate to Item 2. For use with Item 1C) — Channel shaped, fabricated from min 26 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 in. less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. **Framing Members" — Steel Studs** — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — C-SHAPE

DIMCOMES L L C — Pro-STUD

MBA METAL FRAMING — Pro-STUD

RAM SALES L L C — Ram Pro-STUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S Pro-STUD

2E. **Framing Members" — Steel Studs** — As an alternate to Items 2 through 2D — For use with Item 1E and 4H only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members" — Steel Studs** — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
KIRO (HONG KONG) LTD — Type KIRO

2G. **Framed Members" — Steel Studs** — As an alternate to Items 2 through 2F — For use with Item 1G, channel shaped studs, minimum 3-5/8 in. wide. Studs to be cut 1/2 in. less than the assembly height.
STUDCO BUILDING SYSTEMS — Type 3600/20

2H. **Framing Members" — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1H, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type 20

2I. **Framing Members" — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CRACO MFG INC — SmartTrack20™

2J. **Framing Members" — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1J, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper-X

2K. **Framing Members" — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CRACO MFG INC — SmartStud20™

3. **Joint Systems** — The joint system consists of the following:
A. **Forming Material"** — Nom 5/8 in. (16 mm) and 1-1/4 in. (32 mm) wide strips of min 4 pcf (64 kg/m³) mineral wool batt insulation for 1 and 2 hr rated assemblies, respectively, compressed 50 percent in thickness and firmly packed into the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall.
INDUSTRIAL INSULATION GROUP L L C — Mineflex® 1350 Safing

ROCK WOOL MANUFACTURING CO — Delta- Board

ROCKWOOL — SAFE

THERMAFIBER INC — Type SAF

A1. **Forming Material" — Strips** — (Optional) — Nom 5/8 in. (16 mm) and 1-1/4 in. (32 mm) wide pressed mineral wool strips for 1 and 2 hr rated assemblies respectively. The strips to be compressed 50 percent in thickness and firmly packed into the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 797 Speed Strips

B. **Fill, Void or Cavity Material"** — Min 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material sprayed or troweled on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. (13 mm) onto gypsum board and steel deck on both sides of wall. When spray-applied fire resistive material is applied to the steel floor and form units, the fill material is to overlap the gypsum board a min of 1/2 in. (13 mm) and the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of wall. When spray-applied fire resistive materials are used, the joint spray shall overlap the wall a min 1/2 in. (13 mm) and overlap the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 637 MB Intrinsic Joint Spray

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2. **Framing Members" — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC, max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D/A/S60/20 and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D/A/S60/20 and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D/A/S60/20 and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D/A/S60/20 and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D/A/S60/20 and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D/A/S60/20 and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D/A/S60/20 and Type SUPREME D20

3. **Framing Members" — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper-25™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

3C. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 26 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

3D. **Framing Members" — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — C-SHAPE

DIMCOMES L L C — Pro-TRAK

MBA METAL FRAMING — Pro-TRAK

RAM SALES L L C — Ram Pro-TRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S Pro-TRAK

3E. **Framing Members" — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4E only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

3F. **Framing Members" — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

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4. **Gypsum Board"** — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. Joints screened vertically and staggered on opposite sides of the assembly. When Steel Framing Members" (Item 4 or any alternate clips) are used, gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Bluegless Exterior Sheathing

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, Type X, Type X-1, Type C, SURF, East Line Type X, East Line Type X-2

CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC5A, LGFC-C/A, LGFC- WO, LGLUX

GEORGIA-PACIFIC GYPSUM L L C — Types S, S, S' C, DAP, DD, DA, GWPC, DGG, DS, GP35X, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Shear Type GRX, Mono-Panel Type GRX, SheetRock Sound Sense Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type UWX, Veneer Plaster Base - Type UWX, Mono-Panel Type UWX, Sheathing - Type UWX, Soffit- Type UWX, Type DGUW, Water Rated Type DGUW, Sheathing Type DGUW, Soffit- Type DGUW, Type UAGX, Veneer Plaster Base - Type UAGX, Mono-Panel Type UAGX, Water Rated - Type UAGX, Sheathing - Type UAGX, Soffit- Type UAGX, Type DGLUW, Water Rated - Type DGLUW, Sheathing - Type DGLUW

NATIONAL GYPSUM CO — Types eXP-C, FSX, FSX-C, FSX-G, FSWR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSX-6, FSL, FSX

NATIONAL GYPSUM CO — Ryzeth, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS, PGI

PANEL REY S. A. — Types GREX, GRX, PRC, PRC2, PRX, RHX, MIDX, STX, PRX2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M/TECH, Gyproc FireStop ACTIV'Ks, Gyproc FireStop MR ACTIV'Ks, Gyproc FireStop M/TECH ACTIV'Ks, Gyproc Duraline, Gyproc Duraline MR, Gyproc Duraline M/TECH, Gyproc Duraline ACTIV'Ks, Gyproc Duraline MR ACTIV'Ks, Gyproc Duraline M/TECH ACTIV'Ks

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type GX-1

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THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Type AK, C, FRK-C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX, (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SYZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. **Gypsum Board"** — (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CERTAINTEED GYPSUM INC — Type FSW

4B. **Gypsum Board"** — As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Both ply gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CERTAINTEED GYPSUM INC — Type FSW

4C. **Gypsum Board"** — As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Both ply gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CERTAINTEED GYPSUM INC — Type FSW

4D. **Gypsum Board"** — As an alternate to Item 4. Nom 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CERTAINTEED GYPSUM INC — Type FSW

4E. **Gypsum Board"** — As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Both ply gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CERTAINTEED GYPSUM INC — Type FSW

4F. **Gypsum Board"** — As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Both ply gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor and ceiling track with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of studding with 1 in. long Type S steel screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC5A, LGFC-C/A, LGFC- WO

GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

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4G. **Gypsum Board"** — As an alternate to Items 4, 4A, 4B, and 4C — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall. Gypsum board to be installed horizontally. When used in widths other than 48 in., gypsum panels to be installed horizontally.
NATIONAL GYPSUM CO — Types eXP-C, FSX, FSX-C, FSX-G, FSL, FSW-

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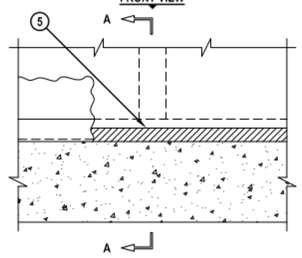
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UL/cUL SYSTEM NO. BW-S-0001

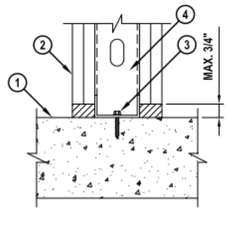
BOTTOM OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR. OR 2-HR. (DEPENDING ON RATING OF WALL AND FLOOR ASSEMBLY)
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400° F = LESS THAN 1 CFM / LIN FT

FRONT VIEW



SECTION A-A



BWS20001041316

1. CONCRETE FLOOR ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR ASSEMBLY (MIN. 4-1/2" THICK).
   B. ANY UL/cUL CLASSIFIED PRE-CAST HOLLOW CORE CONCRETE FLOOR ASSEMBLY (MIN. 6" THICK).
2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 SERIES WALL) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
3. FLOOR RUNNER (MIN. 25 GA., 1-1/4" FLANGES) FASTENED TO TOP SURFACE OF CONCRETE FLOOR.
4. STEEL STUDS (MIN. 2-1/2" WIDE), NESTING IN AND RESTING ON FLOOR RUNNER.
5. HILTI CP 606 FLEXIBLE FIRESTOP SEALANT, HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT, OR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT :
   A. MINIMUM 5/8" DEPTH ON BOTH SIDES OF WALL, FOR A 1-HR. FIRE-RATING.
   B. MINIMUM 1-1/4" DEPTH ON BOTH SIDES OF WALL, FOR A 2-HR. FIRE-RATING.

HILTI
Hilti Firestop Systems

HILTI, Inc.
Plano, Texas USA (800) 879-8000

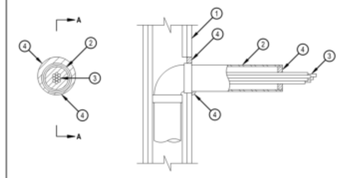
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Date	Apr. 13, 2016
Drawing No.	BWS 0001f

Saving Lives through Innovation and Education

W-L-3320

System No. W-L-3320 — WL 3320

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 & 2 Hr (See Item 1)	F Ratings — 1 & 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Ratings — 1 & 2 Hr (See Item 1)
	FTH Rating — 0 Hr



SECTION A-A

Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 14, 2014 — Page: 1 of 2

System No. W-L-3320 — WL 3320

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One or two layers of nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly.
2. Sleeve — Nom 3 in. (76 mm) diam (or smaller) steel EMT, steel conduit or Schedule 5 (or heavier) steel pipe. The annular space between sleeve and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Maximum projection from wall is 12 in. (305 mm). Sleeve to be rigidly supported on penetrated side of the wall assembly.
3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1 in. (25 mm) Cables to be rigidly supported on penetrated side of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of 1/4 in. (13 mm).
   D. Multiple-fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
   E. Through-Penetrating Product** — Max three copper conductor No. 8 AWG. Metal-Clad Cable*.
   AFC CABLE SYSTEMS INC
   F. Max 3/C (with ground) No. 8 AWG (or smaller) copper conductor cable with PVC insulation and jacketing.
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
   H. Fire Resistive Cables* — Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
4. Fill, Void or Cavity Material*** — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with surface of wall. Min 1/2 in. (13 mm) diam bead of sealant applied at point contact location.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, CFS-S SIL GG Sealant, CP601S Elastomeric Sealant, CP 606 Sealant, CP618 Putty
*** Bearing the UL Classification Mark

Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 14, 2014 — Page: 2 of 2

UL U408

6/21/2021 — BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

UL Product iQ™

BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

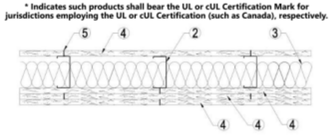
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U408

December 16, 2020

Nonbearing Wall Rating — 2 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



https://iq.ulprospector.com/en/profile?id=14968 — 1/5

6/21/2021 — BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped, 3-1/2 in. (min) deep, with min 1-1/4 in. long legs, fabricated from min 25 MSG corrosion-protected steel, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2A, proprietary channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1B. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2B, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD-Pro/TRAK

DMFCWBS L L C — Pro/TRAK

MBA METAL FRAMING — Pro/TRAK

RAM SALES L L C — Ram Pro/TRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S Pro/TRAK

1C. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1D. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2D, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1E. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2F, channel shaped runners, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — Alpha/TRAK

2. **Steel Studs** — Channel shaped, min 3-1/2 in. deep, 1-1/4 in. flanges and 3/16 in. returns, fabricated from min 25 MSG corrosion-protected steel, spaced a max of 24 in. OC. Studs to be cut 5/8 in. less than assembly height and friction-fit in place.

https://iq.ulprospector.com/en/profile?id=14968 — 2/5

6/21/2021 — BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

2A. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1A, proprietary channel shaped steel studs, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 5/8 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2B. **Framing Members*— Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1B,channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD-Pro/STUD

DMFCWBS L L C — Pro/STUD

MBA METAL FRAMING — Pro/STUD

RAM SALES L L C — Ram Pro/STUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S Pro/STUD

2C. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1C, proprietary channel shaped steel studs, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 5/8 in. less in length than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2D. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1D, channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2E. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1A (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 5/8 to 5/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2F. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1E, channel shaped steel studs, min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs cut 5/8 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — Alpha/STUD

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6/21/2021 — BXUV.U408 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

3. **Batts and Blankets* —** (Optional) Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BCJZ) Categories for names of Classified companies.

4. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges. Base layer applied vertically or horizontally on both sides of the studs, with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints (when applied horizontally) and horizontal butt joints (when applied vertically) on opposite sides of studs need not be staggered or backed. Base layer panels attached to studs with 1 in. long Type S cores spaced 8 in. OC when applied horizontally, or 8 in. OC along the vertical edges and 12 in. OC in the field when applied vertically. Remaining two layers applied vertically or horizontally on one side of the wall. Horizontal butt joints staggered a min of 6 in. on adjacent layers. First of these two layers attached to studs with 1-5/8 in. long Type S screws spaced 12 in. OC. Face layer attached to studs with 2-3/8 in. Type S screws spaced 8 in. OC when applied horizontally, or 8 in. OC along the vertical edges and 12 in. OC in the field when applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CGC INC — 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, ULIX, WRIX or WRC (joint tape and compound, Item 5, optional for use with Type USGX).

UNITED STATES GYPSUM CO — 5/8 in. thick Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, WRIX, WRC, ULIX, USGX (joint tape and compound, Item 5, optional for use with Type USGX).

USG BORAL DRYWALL SPZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRIX, WRC (joint tape and compound, Item 5, optional for use with Type USGX).

4A. **Gypsum Board* —** (As an alternate to Item 4, not for use with Items 1B and 2B) - Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX.

USG MEXICO S A DE C V — Type ULX

5. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. When square-edge gypsum board is used, treatment of joints is optional.

6. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO — Type AS

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

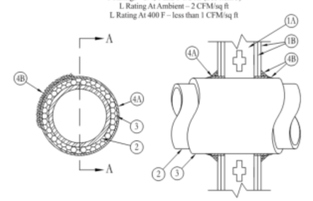
Last Updated on 2020-12-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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W-L-5001

System No. W-L-5001
May 19, 2005
F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 3/4, 1 and 1-1/2 Hr (See Item 3)
L Rating At Ambient – 2 CFM/sq ft
L Rating At 400 F – less than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. by 4 in. (25 mm by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board*** – Nom 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 in (368 mm) for wood stud walls and 18 in. (457 mm) for steel stud walls.
   The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.
2. **Through Penetrants** – One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. **Steel Pipe** – Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Copper Tubing** – Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   C. **Copper Pipe** – Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. **Pipe Covering*** – Nom 1 in. or 2 in. (25 mm or 51 mm) thick hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints sealed with metal fasteners or with butt strip tape supplied with the product. When nom 1 in. (25 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum board layers on each side of the wall shall be min 1/4 in. to max 3/8 in. (6 mm to max 10 mm). When nom 2 in. (51 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum board layers on each side of the wall shall be min 1/2 in. to max 3/4 in. (13 mm to max 19 mm).
   See **Pipe and Equipment Covering – Materials** (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   The hourly T Rating of the firestop system is 3/4 hr when nom 1 in. (25 mm) thick pipe covering is used. The hourly T Rating of the firestop system is 1 hr and 1-1/2 hr when nom 2 in. (51 mm) thick pipe covering is used with 1 hr and 2 hr fire rated walls, respectively.
4. **Firestop System** – Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows:
   A. **Fill, Void or Cavity Materials* – Wrap Strip** – Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required when nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required when nom 2 in. (51 mm) thick pipe covering is used.
   3M COMPANY – FS-195+
   B. **Fill, Void or Cavity Materials* – Caulk or Sealant** – Min 1/4 in. (6 mm) diam continuous bead applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.
   3M COMPANY – CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking
This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. c UL us

Through Penetrations | Insulated Pipes | 5000 Series | Gypsum | WL

3M Fire Protection Products
www.3m.com/firestop

W-L-5001 • 1 of 1

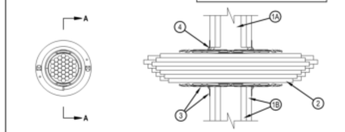
Product Support Line: 1-800-328-1687
Choose option 4 for FAX ON DEMAND

507

W-L-3334

System No. W-L-3334 — WL 3334

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1, 2, 3 and 4 Hr (See Item 1)	F Ratings – 1, 2, 3 and 4 Hr (See Item 1)
T Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)	FT Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)
L Rating At Ambient – Less Than 1 CFM (See Item 2)	FH Ratings – 1, 2, 3 and 4 Hr (See Item 1)
L Ratings At 400 F – 1 and Less Than 1 CFM (See Item 2)	FTH Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)
	L Rating At Ambient – Less Than 1 CFM (See Item 2)
	L Ratings At 400 F – 1 and Less Than 1 CFM (See Item 2)



SECTION A-A

1. Wall Assembly — The 1, 2, 3 or 4 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC for 1 and 2 hr wall assemblies. Steel Studs to be 3-5/8 in. (92 mm) for 3 and 4 hr wall assemblies.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. Opening in gypsum board to be max 2-1/2 in. (64 mm) diam for 2" device and max 4-1/2 in. (114 mm) diam for 4" device.
   The hourly F and FH Ratings of the firestop system are dependent upon the hourly rating of the wall in which it is installed.

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System No. W-L-3334 — WL 3334

2. Cables — Within the loading area for each firestop device, the cables may represent a 0 to 100 percent visual fill. Cables to be tightly bundled within the device and rigidly supported on both sides of wall assembly. Any combination of the following types of cables may be used:
   A. Max 100 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation.
   B. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   C. Max 4/0 AWG Type RHH ground cable.
   D. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.
   E. Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.
   F. Fiber optic cable with polyvinyl chloride (PVC) or polyethylene (PE) jacket and insulation having a max diam of 1/2 in. (13 mm).
   G. Max 20/C No. 22 AWG shielded printer cable with PVC jacket.
   H. Through-Penetrating Product* – Two copper conductors No. 18 AWG (or smaller) Power or Non-Power Limited Fire Alarm Cable with or without a jacket under a metal armor.
   AFC CABLE SYSTEMS INC
   I. Max. 1/4 in. (6 mm) diameter S-Video Cable consisting of 2 max 24 AWG 75 ohm coax or twisted pair cable with PE insulation and PVC jacket.
   J. Max 3/C No 12 AWG MC Cable.
   K. Through Penetrating Product* — Any cables, Armored Cable* or Metal Clad Cable* currently Classified under the Through Penetrating Product category. See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.

   For opening with cables, when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 0 hr. For opening with cables, when the hourly rating of the wall assembly is 2 hr, the T, FT and FTH Ratings are 1-3/4 hr except that, when Item 2C, 2G, 2I, 2J or 2K is used, the T, FT and FTH Ratings are 1 hr for 2C, 2 CR 2I and the T, FT and FTH Ratings are 1/2 hr for 2J or 2 K (see Item 3 also). When the hourly rating of the wall assembly is 3 or 4 hr, the T, FT and FTH Ratings are 2 hr. For wall assemblies with a 3 or 4 hr rating, Items 2D and 2I are not to be used.

   L Ratings apply only when device flanges and CP 606 or FS-One Sealant are used. See Table below for L Ratings.

Max Cable Fill	Cable Type	L Rating, CFM/Sq Ft		L Rating, CFM	
		Ambient	400°F	Ambient	400°F
0%		Less Than 1	Less Than 1	Less Than 1	Less Than 1
100%	Item 2D only	5	1	Less Than 1	Less Than 1
100%	Any cables (Item 2) in any combination	9	10	Less Than 1	1

3. Firestop Device* — Firestop device consists of a corrugated steel tube with an inner plastic housing, intumescent material rings and twisted inner fabric smoke seal. Firestop device to be installed in accordance with the accompanying installation instructions. As an option, the inner fabric seal may remain open except that, to attain the L Rating, the inner fabric seal shall be twisted to completely close off the opening within device. Device slid into wall such that ends project an equal distance from the approximate centerline of the wall assembly. The annular space between the device and the periphery of the opening shall be min 0 in. (point contact). Device provided with flanges that are spun clockwise onto device threads, butting tightly to both sides of wall. Device flanges are optional. When the device flanges are not used, the T, FT and FTH Ratings for the firestop system are 0 hr. For blank opening (no cables), the T, FT and FTH Ratings for the firestop system equal the F and FH Ratings only when the device flanges are used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 653-2" Speed Sleeve and CP 653 4" Speed Sleeve
4. Fill, Void or Cavity Material* – Sealant – Min 1/2 in. (13 mm) thickness of fill material applied within the annulus between firestop device and wall, flush with both surfaces of wall, and an additional 1/4 in. (6 mm) bead applied around periphery of device. When device flanges are used, gypsum drywall compound may be used in place of the fill material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE or CP 606 Sealant
*Bearing the UL Classification Mark

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT — 12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE: 12/18/2025 △

TITLE: UL DETAILS

SHEET: G201

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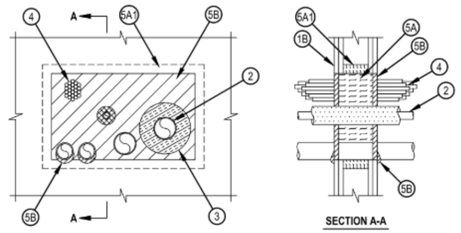
W-L-8079

System No. W-L-8079

WL 8079

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, 1/2, 3/4, 1-1/2 and 2 Hr (See Items 1, 2, 3 and 4)	FT Ratings — 0, 1/2, 3/4, 1-1/2 and 2 Hr (See Items 1, 2, 3 and 4)
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Ratings — 0, 1/2, 3/4, 1-1/2 and 2 Hr (See Items 1, 2, 3 and 4)

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or channel shaped steel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When Item 5A1 is not used, additional framing members (not shown) shall be installed to frame the periphery of the wall opening. When the additional framing members are used to frame the opening, the hourly T, FT and FTH Ratings of the firestop system are 0 hr.
   B. Gypsum Board* — 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. If the through penetrants are installed in a wood stud/gypsum board assembly, the max area of square, rectangular, or circular opening is 210 sq in. (1355 cm^2) with max dimension of 14-1/2 in. (368 mm). If the through penetrants are installed in a steel stud/gypsum board assembly, max area of square, rectangular, or circular opening is 240 sq in. (1548 cm^2) with max dimension of 20 in. (508 mm) wide.

   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

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2. Through-Penetrant — One or more pipes, conduit or tubes to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacing between the through penetrants are maintained. The separation between the penetrants shall be min 1 in. (25 mm) to max 20 in. (508mm). The annular space between penetrants and the periphery of opening shall be min 0 in. (point contact) to max 20 in. (508 mm). Pipes, conduit or tubes to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes, conduit or tubes may be used.
   A. Copper Tubing — Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tube.
   B. Copper Pipe — Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.
   C. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   D. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
   E. Conduit — Nom 3 in. (76 mm) diam (or smaller) electric metallic tubing (EMT) or rigid steel conduit.
   F. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
   G. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

   The T, FT and FTH Ratings are 0 Hr if bare pipe and tubing is used.

3. Pipe Insulation — One or more metallic penetrants (pipe or tubing) may be insulated with the following types of pipe coverings:
   A. Pipe Covering* — Min 1 in. (25 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density min 3.5 pcf (56 kg/m^3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

   See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

   B. Tube Insulation-Plastics+ — Min 1/2 in. (13 mm) to max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

   See Plastics+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

   The annular space between the insulated penetrants and the periphery of the opening shall be min 0 in. (0 mm, point contact) The separation between the insulated penetrants and the other penetrants shall be a min 1 in. (25 mm).

   The T, FT and FTH Ratings are 1-1/2 hour if Item 3B is used. The T, FT and FTH Ratings are 2 hr if Item 3A is used.

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4. Cables — One max 3 in. (76 mm) diam bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The annular space between the tightly-bundled cables and the periphery of the opening shall be min 0 in. (point contact) to max 20 in. (508 mm). The separation between the cable bundle and the other penetrants shall be min 1 in. (25 mm) to max 20 in. (508 mm). Any combination of the following types and sizes of cables may be used:
   A. Max 25 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 7/C No. 12 AWG copper conductor power and control cable with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
   C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).
   D. Max 3/C No. 8 AWG with bare aluminum ground, PVC insulated steel Metal-Clad+ Cable currently Classified under the Through Penetrating Product* (XHLY) category.
   E. Max 3/C (with ground) No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with PVC insulation and jacket materials.
   F. RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diam of 1/2 in. (13 mm).
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without PVC jacket.
   H. Max 1-1/4in. (32 mm) Diam single or multi conductor mineral-insulated copper-clad cable.

   The T, FT and FTH Ratings are 1/4 hr if cables D, G and H are used. The T, FT and FTH Ratings are 3/4 Hr for any other combination.

4A. Through Penetrants — (Not shown) - Max six nom 1 in. (25 mm) diam (or smaller) flexible steel conduits to be installed either concentrically or eccentrically within the firestop system. The annular space between the conduits and the periphery of the opening shall be min 0 in. (point contact) to a max 3 in. (76 mm). Conduits to be rigidly supported on both sides of wall. The T, FT and FTH Ratings are 0 Hr if this penetrant is used.

4B. Through Penetrants — (Not Shown) - Max twelve nom 3/8 in. (10 mm) diam (or smaller) polyvinyl chloride (PVC) pneumatic tubing for use in closed (process or supply) piping systems. Tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between the tubing and the periphery of the opening shall be min 0 in. (point contact) to a max 1 in. (25 mm). Tubing to be rigidly supported on both sides of wall.

5. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — In 2 hr fire rated wall assemblies, min 4-3/4 in. (121 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. In 1 hr fire rated wall assemblies, min 3-1/2 in. (89 mm) thickness of min 4 pcf (64 kg/m^3 mineral wool batt insulation firmly packed into opening as a permanent form. Packing material recessed from both surfaces of the wall to accommodate the required thickness of fill material.
   A1. Packing Material — Min 1-1/4 in. (32 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed as a backer around the perimeter of opening as a permanent form. When additional framing members are used to frame the opening (see Item 1A), this packing material is optional. Packing material can be used in combination with the additional framing members.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrants and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+ Bearing the UL Listing Mark

Bearing the UL Recognized Component Mark

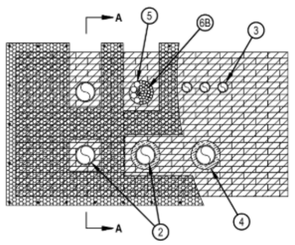
W-L-8087

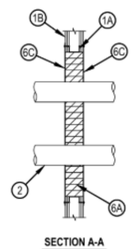
System No. W-L-8087

WL 8087

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft (See Item 6B)	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 2 CFM/sq ft (See Item 6B)	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft (See Item 6B)
	L Rating At 400 F — 2 CFM/sq ft (See Item 6B)

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115





SECTION A-A

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, 400 or W400Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide and spaced 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.
   B. Gypsum Board* — Thickness, type, number of layers, orientation and fasteners shall be as specified in the individual Wall and Partition Design. Max area of opening is 1152 in2 (7432 cm2) with a max dim of 48 in. (1219 mm).

   The F and FH Ratings of the firestop system are equal to the rating of the wall assembly in which it is installed.

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2. Metallic Penetrants — One or more metal pipes, conduits or tubing may be installed within the through opening. The space between pipes, conduits or tubing shall be min 0 in. (point contact) to max 26 in. (660 mm). The space between pipes, conduits or tubing and periphery of opening shall be min 1 in. (25 mm) to max 26 in. (660 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Iron Pipe — Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) electrical metallic tubing (EMT) or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
   D. Copper Pipe or Tube — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe or Type L (or heavier) copper tube.
3. Non-Metallic Penetrants — One or more non-metallic penetrants may be installed within the through opening. Penetrants to be rigidly supported on both sides of wall assembly. The following types and sizes of non-metallic penetrants may be used:
   A. Polyvinyl Chloride (CPVC) Pipe — Max 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply). The space between pipes or conduits shall be min 1-1/2 in. (38 mm) to max 26 in. (660 mm). The space between pipes or conduits and periphery of opening shall be min 1-1/2 in. (38 mm) to max 26 in. (660 mm).
   B. Rigid Nonmetallic Conduit (RNC)+ — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70). The space between pipes or conduits shall be min 1-1/2 in. (38 mm) to max 26 in. (660 mm). The space between pipes or conduits and periphery of opening shall be min 1-1/2 in. (38 mm) to max 26 in. (660 mm).
   C. Optical Fiber/Communication Cable Raceways+ — Nom 2 in. (51 mm) diam (or smaller) optical fiber raceway, formed from polyvinyl chloride (PVC). Raceway to be installed in accordance with the National Electrical Code (NFPA No. 70). The annular space between the raceway and the periphery of the opening shall be minimum 2 in. (51 mm) to max 26 in. (660 mm). The minimum space between adjacent penetrants shall be 3-1/2 in. (89 mm).

   See Optical Fiber/Communication Cable Raceways (QAZM) category in the Electrical Construction Materials Directory for names of manufacturers.
4. Pipe Insulation — (Optional) — Pipe insulation may be installed on one or more of the metallic pipes or tubes (Items 2A, 2B and 2D). When pipe insulation is used, min space between insulated metallic penetrant and bare metallic pipes, conduits and tubing shall be min 1-1/2 in. (38 mm) and min space to periphery of opening shall be 1 in. (25 mm). The following types of pipe insulations may be used:
   A. Pipe and Equipment Covering Materials* — Max 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

   See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

   B. Pipe and Equipment Covering Materials* — Max 1-1/2 or 2 in. (38 or 51 mm) thick hollow cylindrical calcium silicate, min 10 or 14 pcf (160 or 224 kg/m3) respectively, units sized to the outside diam of the pipe or tube. Pipe insulation secured with stainless steel bands or with min No. 18 AWG stainless steel wire spaced max 6 in. (152 mm) from each face of wall and spaced max 12 in. (305 mm) OC.
   C. Tube Insulation-Plastics+++ — Max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the foams of tubing. This pipe insulation may be installed on metallic pipes or tubes (Items 2A, 2B and 2D) not exceeding nom 2 in. (51 mm) diam. See Plastics+++ (QMFZZ) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

System No. W-L-8087

WL 8087

5. Cables — (Optional) — Maximum eight 3 in. (76 mm) diam (or smaller) tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall be min 1-3/16 in. (30 mm) to 26 in. (660 mm). The space between cables bundles and/or other penetrants shall be min 1-1/2 in. (38 mm) to max 26 in. (660 mm). Any combination of the following types and sizes of cables may be used:
   A. 1/C 750 kcmil (or smaller) power cable with EPR polyvinyl chloride (PVC) insulation and jacket.
   B. 300 pair - No. 24 AWG telephone cable with PVC insulation and jacket.
   C. 24 fiber optic cable with PVC outer and subunit jacket.
   D. 3/C No. 12 AWG copper conductor Metal Clad+ cable with PVC insulation.
   E. 7/C No. 12 AWG with polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE) insulation and jacket.
   F. Type R GU/59 coaxial cable with PVC outer jacket.
   G. 4 pair 22 AWG Cat 5 or Cat 6 data cable.
   H. Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.
   I. Through Penetrating Product* — Any cables. Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.

   See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
   J. Max 500 kcmil single cooper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
   K. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
   L. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
   M. Max 4C/750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.
6. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* — Fire Blocks — For walls incorporating max 3-5/8 in. (92 mm) steel studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of larger steel studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed max 1/2 in. (13 mm) from surface of wall. Block firmly packed in opening. Either one or a combination of the block types specified below may be used.

   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-BL Firestop Block
   B. Fill, Void or Cavity Material* — Fill material to be forced into interstices of cables, and in any voids/openings between blocks, around penetrants, and between blocks and periphery of opening to the maximum extent possible on both surfaces of wall.

   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant, CP618 Firestop Putty Stick, CP 660 Firestop Foam or CP 620 Fire Foam. Note: CP 618, CP 620, and CP 660 not suitable for CPVC (Item 3A). (Note: L Ratings apply only when FS-ONE MAX Intumescent Sealant is used.)
   C. Wire Mesh — When the annular space exceeds 4 in. (102 mm) between penetrants and/or to the periphery of the opening, max 2 by 2 in. (51 by 51 mm) wire fencing shall be used to keep the blocks in place. The wire fencing shall be fabricated from min No. 16 SWG (0.060 in. or 1.5 mm) galv steel wire. The wire is cut to fit the contour of the penetrating item with a min 3 in. (76 mm) lap beyond the periphery of the opening. Wire fencing secured to both surfaces of the wall assembly by means of 1/4 in. (6 mm) diam steel hollow wall anchors and 1/4 in. (6 mm) by 1-1/2 in. (38 mm) diam fender washers spaced max 8 in. (203 mm) OC, or attached to steel studs with steel screws and 1-7/16 in. (36 mm) diam steel washers spaced max 6 in. (152 mm) OC. The joints within the wire mesh shall overlap a min of 2 in. (51 mm) and be secured together by means of No. 16 AWG steel wire spaced 8 in. (203 mm) OC.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+ Bearing the UL Listing Mark

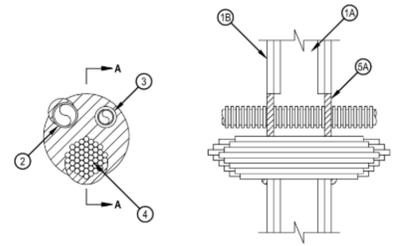
W-L-8071

System No. W-L-8071

WL 8071

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1)	F Rating — 1 and 2 Hr (See Item 1)
T Rating — 0 and 1/2 Hr (See Item 2D)	FT Rating — 0 and 1/2 Hr (See Item 2D)
	FH Rating — 1 and 2 Hr (See Item 1)
	FTH Rating — 0 and 1/2 Hr (See Item 2D)

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max diam of opening is 8 in. (203 mm).

   The F and FH Ratings of the firestop system are dependent on the hourly fire rating of the wall assembly.

System No. W-L-8071

WL 8071

2. Metallic Penetrants — One or more metallic pipes, conduits or tubing installed concentrically or eccentrically within the opening. Annular space between metallic penetrants and periphery of opening to be min 0 in. (point contact) to max 2 in. (51 mm). Annular space between metallic penetrants, nonmetallic penetrant and cables to be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Metallic pipes, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be installed within the opening:
   A. Steel Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing (EMT).
   D. Through Penetrating Product* — The following types of steel flexible metal gas piping may be used:
   1.) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
   OMEGA FLEX INC
   2.) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
   GASTITE, DIV OF TITEFLEX
   3.) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
   WARD MFG L L C

   The T, FT, FTH Ratings of the firestop system are 1/2 hr except that when Item 2D is used, the T Rating is 0 hr.
3. Electrical Nonmetallic Tubing (ENT)+ — Nom 2 in. (51 mm) diam (or smaller) ENT formed of PVC, installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70). Max one ENT installed concentrically or eccentrically within the opening. Annular space between ENT and periphery of opening to be min 1/4 in. (6 mm) to max 2 in. (51 mm). Annular space between ENT and metallic penetrants or cables to be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). ENT to be rigidly supported on both sides of the wall assembly.
   See Electrical Nonmetallic Tubing (FKHU) in UL Electrical Construction Materials Directory for names of manufacturers.
4. Cables — Nom 4 in. (102 mm) diam (or smaller) tight bundle of cables. Cable bundle spaced 0 in. (point contact) to 2 in. (51 mm) from periphery of opening. Cable bundle to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cables may be used:
   A. Max 200 pair No. 24 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacket materials.
   B. Max 1/C No. 500 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
   C. Max 3/C with ground No. 2/0 AWG (or smaller) aluminum conductor SER cables with PVC insulation and jacket.
   D. Max 3/C No. 8 AWG (or smaller) copper conductor metal clad cable.
   E. Max 4 pair No. 24 AWG (or smaller) copper conductor communication cable.
   F. Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
5. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* - Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall. At point contact locations, apply a min 1/2 in. (13 mm) diam bead of fill material at the penetrant/gypsum board interface.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+Bearing the UL Listing Mark

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT — 12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE: 12/18/2025 △

TITLE: UL DETAILS

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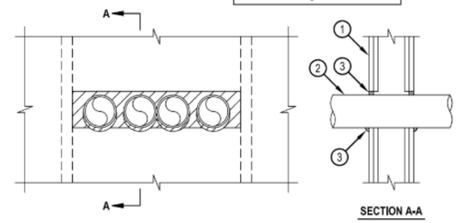
W-L-1408

System No. W-L-1408

CLASSIFIED C US
Classified by Underwriters Laboratories Inc. to UL 1479 and CAN/ULC-S115

W-L-1408

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0 and 1/4 Hr (See Item 1)	FT Ratings —0 and 1/4 Hr (See Item 1)
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — 4 CFM/sq ft	FTH Ratings — 0 and 1/4 Hr (See Item 1)
	L Rating at Ambient — Less Than 5,1 L/s/m2
	L Rating at 204 C — 20,3 L/s/m2



SECTION A-A

1. Wall Assembly — The 1 and 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the Individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-5/8 In. (92 mm) wide steel studs spaced max 24 In. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners, as specified in the Individual Wall and Partition Design. Max area or opening is 114 In.2 (735 cm2) with max height of 5 In. (127 mm) and max width of 23 In. (584 mm).
   The hourly F, FH Ratings of the firestop system are equal to the hourly rating of the wall. The hourly T, FT, FTH Ratings of the firestop system is 0 hr and 1/4 hr when installed in 1 hr and 2 hr fire rated wall assemblies, respectively.
2. Through Penetrants — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 In. (point contact) to max 1 In. (25 mm). The separation between pipes and conduits to be a min 0 In. (point contact) to a max 1-1/2 In. (38 mm), except that for L Rating, the minimum separation between penetrants shall be 1/2 In. (13 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 4 In. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 4 In. (102 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
3. Fill Void or Cavity Materials* - Sealant — Min 5/8 In. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum flush with each surface of wall. Min 1/2 In. (13 mm) diam bead of fill material applied to the through penetrant/wall interface at the point contact locations on both sides of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

HILTI
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
November 14, 2017

HEREFORD · DOOLEY
ARCHITECTS
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD, III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
△

TITLE
UL DETAILS

SHEET
G203

P:\2025\20250195_Santa Rosa FSER\dwg\Construction\20250195_C0-0_COV.dwg-C0.0 Cover Sheet Dec 15, 2025 ianderson
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CONSTRUCTION DOCUMENTS

SANTA ROSA FSER

WALTON COUNTY, FLORIDA

CATALYST PROJECT NO. 20250195
DECEMBER 18, 2025

GENERAL INFORMATION

PARCEL NUMBERS:	26-2S-20-33240-000-0020
ADDRESS:	US HWY 98 W SANTA ROSA BEACH, FL 32459
COUNTY:	WALTON
OWNER:	FORT WALTON BEACH MEDICAL CENTER, INC. ONE PARK PLAZA NASHVILLE, TN 37203
APPLICANT:	CATALYST DESIGN GROUP, PC 1085 W MORSE BOULEVARD WINTER PARK, FLORIDA 32789 (689) 219-8900 CONTACT : IAN B. ANDERSON, PE ianderson@catalyst-dg.com

SITE DATA

	AC.	S.F.
SITE AREA:	2.59	112,762
DISTURBED AREA:	1.92	83,564

PROPERTY ZONINGS: COASTAL CENTER MIXED USE (CCMU)

PROPOSED LAND USE: FREE-STANDING EMERGENCY ROOM

BUILDING DATA

PROPOSED BUILDING: 10,860 SF

BUILDING HEIGHT	MAXIMUM	PROPOSED
FSER	50'	1-STORY (30'-0")

BUILDING SETBACKS	MINIMUM	PROPOSED
FRONT (SOUTH)	25'	127'
SIDE (EAST)	10	97'
SIDE (WEST)	10	121'
REAR (NORTH)	20	53'

LAND USE DATA

PROPOSED F.A.R.: 0.096

IMPERVIOUS COVER:	S.F.	AC.	%
EXISTING	0	0.00	0.00%
DEMOLISHED	0	0.00	0.00%
PROPOSED	53,255	1.22	47.23%
TOTAL IMPERVIOUS	53,255	1.22	47.23%

OPEN SPACE:	S.F.	AC.	%
EXISTING	112,762	2.59	100.00%
PROPOSED	59,507	1.37	52.77%

PARKING CALCULATIONS

REQUIRED VEHICLE PARKING (MEDICAL OFFICE): 7 SPACE / 1,000 SF = 77

	STANDARD	ADA	TOTAL
PROPOSED PARKING	73	4	77

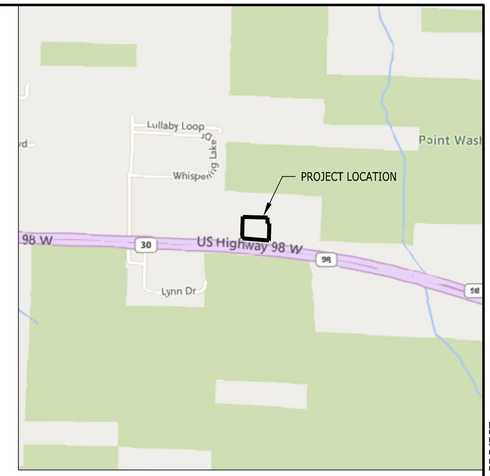
REQUIRED BICYCLE PARKING: 3 SPACES

	RACKS	SPACES
PROPOSED BICYCLE PARKING:	2	4

Land Use	ITE Code	Intensity	Daily Trip Ends	AM Peak Period In Trips	AM Peak Period Out Trips	AM Peak Period Total	PM Peak Period In Trips	PM Peak Period Out Trips	PM Peak Period Total
Master Planned / Entitled									
Fast Food (with Drive-Thru)	934	7.00 KSF	3,272	*159*	*153*	312	*120*	*111*	231
Medical/Dental Office	720	4.00 KSF	64	*10*	*3*	13	*4*	*9*	13
Subtotal			**3,272**	***159***	***153***	**312**	***120***	***111***	**231**
Proposed									
Free-Standing Emergency Room	650	10.86 KSF	271	*6*	*6*	12	*8*	*9*	17
Difference									
Total			**(3,002)**	**(153)**	**(147)**	**(300)**	**(112)**	**(102)**	**(214)**



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

SHEET NUMBER	SHEET TITLE
C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS
C2.0	NOTES
C3.0	EROSION CONTROL PLAN
C3.1	EROSION CONTROL DETAILS
C4.0	DEMOLITION PLAN
C5.0	SITE LAYOUT PLAN
C6.0	GRADING & DRAINAGE PLAN
C7.0	UTILITY PLAN
C8.0 - C8.1	DETAILS
C9.0 - C9.4	COUNTY DETAILS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE NOTES & SCHEDULE
L2.1	LANDSCAPE DETAILS
L3.0	IRRIGATION PLAN
L4.0	IRRIGATION NOTES
L4.1 - L4.4	IRRIGATION DETAILS

ARCHITECT

11 LEA AVE · SUITE 601
NASHVILLE, TN 37210
T 615.244.7399

OWNER / DEVELOPER

HCA Florida Fort Walton - Destin Hospital

ONE PARK PLAZA
NASHVILLE, TN 37203

CIVIL ENGINEER/ LANDSCAPE ARCHITECT

Catalyst DESIGN GROUP

1085 W MORSE BLVD, WINTER PARK, FL 32789
(615) 622-7200 | WWW.CATALYST-DG.COM

IAN B. ANDERSON, PE 87145
BORIS J. WONG, PLA LA 6667315

Florida Firm Registration No. 33093

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SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/18/2025

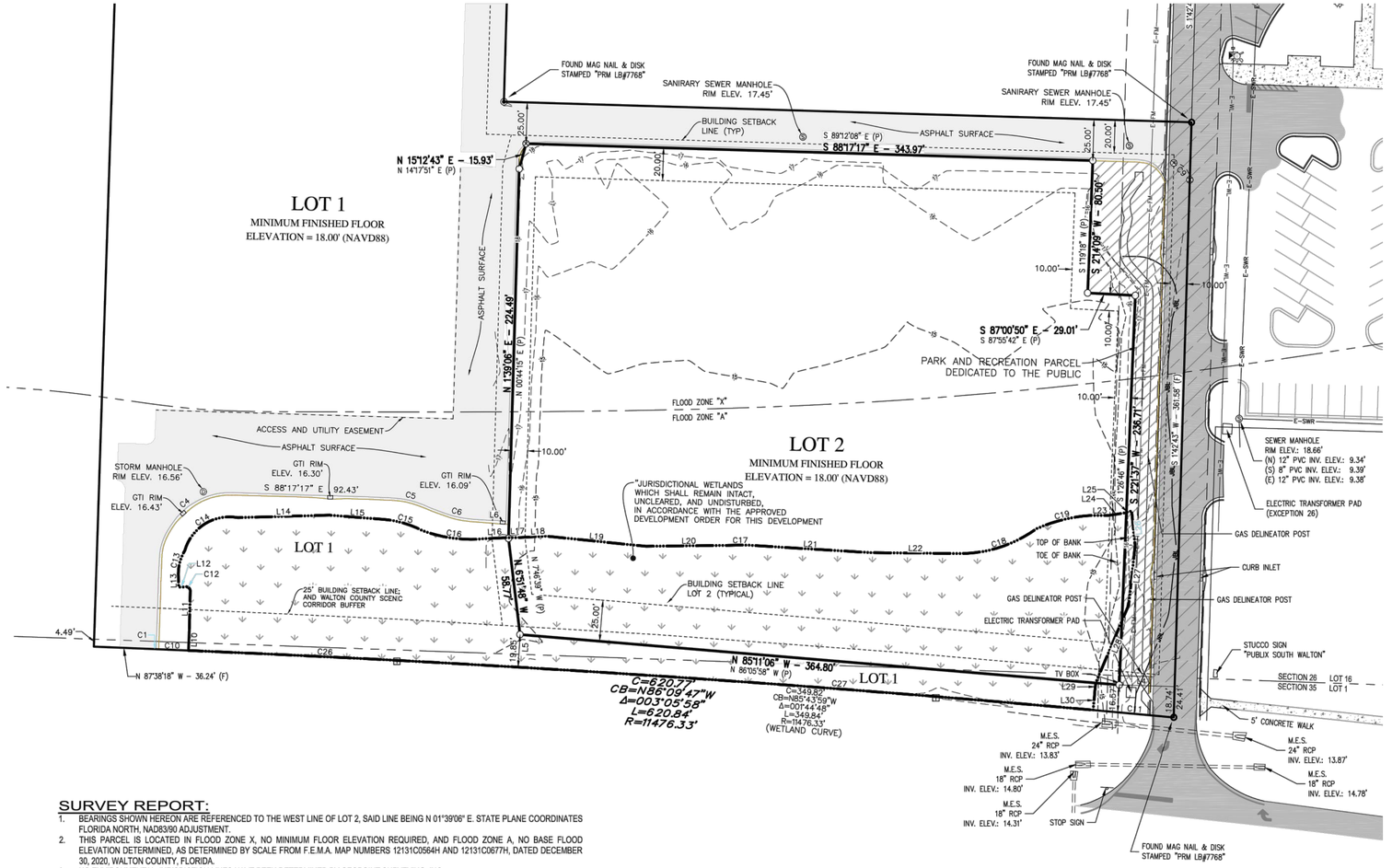
DATES OF ISSUANCE
12/18/2025

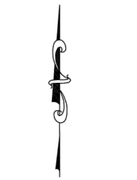
TITLE: COVER SHEET

SHEET: C0.0

LEGEND:

#	= NUMBER
L.B.	= LICENSED BUSINESS
L.S.	= LICENSED SURVEYOR
±	= MORE OR LESS
A	= ARC LENGTH
R	= RADIUS
D	= DELTA ANGLE
B	= CHORD BEARING
C	= CHORD LENGTH
T.B.M.	= TEMPORARY BENCHMARK
INV.	= INVERT
ELEV.	= ELEVATION
±	= MORE OR LESS
PVC	= POLYVINYL CHLORIDE
C.M.P.	= CORRUGATED METAL PIPE
R.C.P.	= REINFORCED CONCRETE PIPE
P.C.	= POINT OF CURVATURE
R/W	= RIGHT OF WAY
F.D.E.P.	= FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
C.O.E.	= ARMY CORPS OF ENGINEERS
F.E.M.A.	= FEDERAL EMERGENCY MANAGEMENT AGENCY
F.D.O.T.	= FLORIDA DEPARTMENT OF TRANSPORTATION
S.J.P.C.	= ST. JOE PAPER COMPANY
E–OHU	= EXISTING OVERHEAD UTILITIES
NAVD 88	= NORTH AMERICAN VERTICAL DATUM 1988
(P)	= PLAT BEARINGS
10.56	= SPOT ELEVATION AT "DOT"
–10–	= CONTOUR ELEVATION AT 1' INTERVALS
	= DISTANCE NOT TO SCALE
	= BENCHMARK
	= UTILITY POLE
	= LAMP POLE
	= GUY ANCHOR
	= ELECTRIC BOX
	= TELEPHONE/COMMUNICATIONS BOX
	= TELEVISION BOX
	= WATER VALVE
	= WATER METER
	= FIRE HYDRANT
	= IRRIGATION VALVE
	= STORM DRAIN MANHOLE
	= SEWER MANHOLE
	= SEWER CLEAN OUT
	= MAILBOX
	= SET 1/2" CAPPED IRON ROD L.B. #7768
	= SET NAIL & DISK L.B. #7768
	= FOUND 1/2" CAPPED IRON ROD L.B. #3724
	= FOUND NAIL AND DISK L.B. #7569





CURVE DATA TABLE

NO.	RADIUS	DELTA	ARC	CHORD	BEARING
C1	11476.33'	0°00'23"	1.26'	1.26'	S 87°42'35" E
C2	11476.33'	1°06'02"	220.42'	220.41'	S 87°09'23" E
C3	11476.33'	1°59'34"	399.17'	399.15'	S 85°36'35" E
C4	44.00'	89°52'28"	69.02'	62.16'	N 46°46'29" E
C5	74.50'	23°14'05"	30.21'	30.00'	S 76°40'14" E
C6	71.50'	23°14'05"	28.99'	28.80'	S 76°40'14" E
C7	5.00'	90°00'00"	7.85'	7.07'	S 46°42'43" W
C8	5.50'	84°47'02"	8.14'	7.42'	S 40°33'16" E
C9	10.00'	90°00'00"	15.71'	14.14'	N 43°17'17" W
C10	11476.33'	0°05'58"	19.92'	19.92'	S 87°39'25" E
C12	2.67'	107°55'52"	5.03'	4.32'	N 58°40'58" W
C13	27.82'	30°56'59"	15.03'	14.84'	N 15°37'21" E
C14	28.12'	84°27'04"	41.44'	37.79'	N 58°12'49" E
C15	62.57'	22°19'36"	24.38'	24.23'	S 73°40'22" E
C16	85.41'	25°49'56"	38.51'	38.18'	S 82°45'33" E
C17	130.31'	4°30'03"	10.24'	10.23'	N 89°40'30" E
C18	78.72'	35°48'25"	49.20'	48.40'	N 71°55'11" E
C19	96.99'	20°20'25"	34.43'	34.25'	N 76°13'46" E

LINE DATA TABLE

NO.	BEARING	LENGTH
L1	N 87°38'18" W	36.24'
L2	N 15°12'43" E	15.93'
L3	S 87°00'50" E	29.01'
L4	S 88°17'17" E	33.86'
L5	S 03°23'38" W	19.84'
L6	S 88°17'17" E	18.04'
L7	S 01°42'43" W	16.00'
L8	N 88°17'17" W	17.18'
L9	S 01°50'15" W	22.03'
L10	S 02°23'34" W	13.33'
L11	N 01°17'31" E	22.98'
L12	S 88°18'46" W	3.35'
L13	N 01°41'14" W	8.04'
L14	N 88°27'26" E	55.76'
L15	S 85°28'53" E	33.50'

LINE DATA TABLE

NO.	BEARING	LENGTH
L16	N 87°29'31" E	10.99'
L17	N 88°48'09" E	10.42'
L18	N 87°02'08" E	15.65'
L19	S 84°12'25" E	60.94'
L20	N 89°20'52" E	52.07'
L21	S 86°30'30" E	74.02'
L22	S 89°24'43" E	54.55'
L23	S 89°58'30" E	10.78'
L24	N 81°20'58" E	8.90'
L25	N 74°08'49" E	5.17'
L26	S 05°52'10" E	21.23'
L27	S 06°11'07" W	36.25'
L28	S 22°56'50" W	51.42'
L29	S 05°36'28" W	4.61'
L30	S 05°08'25" W	11.88'

SURVEY REPORT:

1. BEARINGS SHOWN HEREON ARE REFERENCED TO THE WEST LINE OF LOT 2, SAID LINE BEING N 01°39'06" E. STATE PLANE COORDINATES FLORIDA NORTH, NAD83/90 ADJUSTMENT.
2. THIS PARCEL IS LOCATED IN FLOOD ZONE X, NO MINIMUM FLOOR ELEVATION REQUIRED, AND FLOOD ZONE A, NO BASE FLOOD ELEVATION DETERMINED, AS DETERMINED BY SCALE FROM F.E.M.A. MAP NUMBERS 12131C0564H AND 12131C0677H, DATED DECEMBER 30, 2020, WALTON COUNTY, FLORIDA.
3. NO ENVIRONMENTAL JURISDICTION LINES HAVE BEEN DETERMINED BY GEOPOINT SURVEYING, INC.
4. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF WALTON COUNTY, FLORIDA.
5. APPARENT USES ARE AS SHOWN.
6. NO STRUCTURAL FOUNDATIONS BELOW THE SURFACE OF THE GROUND WERE LOCATED.
7. GRAPHIC SYMBOLISM OF CORNER MONUMENTATION, UTILITIES, SIGNS, ETCETERA, ARE EXAGGERATED FOR CLARITY AND ARE NOT TO SCALE. THE CENTER POINT OF WHICH IS ACCURATELY PLOTTED TO SCALE AND/OR DIMENSIONED THERETO.
8. NO UNDERGROUND UTILITIES OR UTILITY LINES WERE LOCATED.
9. ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM (1988).
10. INTERIOR TOPOGRAPHIC DATA NOT UPDATED SINCE 1/4/2022.

THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF FIRST AMERICAN TITLE INSURANCE COMPANY PROPERTY INFORMATION REPORT, FILE NUMBER NCS-1275814-NAS; DATED AUGUST 15, 2025 AT 8:00 A.M.. PURSUANT TO EXCEPTIONS 1-13, THE UNDERSIGNED SURVEYOR RENDERS THE FOLLOWING OPINIONS / DETERMINATIONS:

EXCEPTION 1: SUBJECT TO MATTERS SHOWN ON THE PLAT OF SANTA ROSA PLANTATION CO., RECORDED IN PLAT BOOK 2, PAGE 4.
EXCEPTION 2: PARCEL IS SUBJECT TO ALL MATTERS SHOWN ON PLAT BOOK 26 PAGE 72.
EXCEPTION 3: SUBJECT TO CHANCERY ORDER AS RECORDED IN CHANCERY ORDER BOOK 16 AT PAGE 393. (DOES NOT AFFECT THE PARCEL SURVEYED)
EXCEPTION 4: SUBJECT TO DEDICATION, RESERVATIONS ETC. AS RECORDED IN DEED BOOK 42, PAGE 443; TOGETHER WITH STIPULATION RECORDED IN BOOK 1400, PAGE 283.
EXCEPTION 5: STIPULATION RECORDED IN ORB 1400 PG. 283 DOES NOT AFFECT PARCEL SURVEYED AND SHOWN HEREON.
EXCEPTION 6: THAT RELEASE AND TERMINATION OF ANY AND ALL RIGHTS, INCLUDING RIGHT OF ENTRY RECORDED IN OFFICIAL RECORDS BOOK 2788, PAGE 3898. (AFFECTS THE PARCEL SURVEYED AND IS BLANKET IN NATURE)
EXCEPTION 7: SUBJECT TO THAT BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA PARTIAL RELEASE OF ROAD RESERVATION NO. 15 RECORDED IN OFFICIAL RECORDS BOOK 2800, PAGE 3081.
EXCEPTION 8: SUBJECT TO COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN DECLARATION OF RESTRICTIONS, COVENANTS AND CONDITIONS AND GRANT OF EASEMENTS RECORDED IN OFFICIAL RECORDS BOOK 2804, PAGE 1127 , BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (AFFECTS THE PARCEL SURVEYED BLANKET IN NATURE)
EXCEPTION 9: SUBJECT TO EASEMENT, GRANTED FROM PUBLIX SUPER MARKETS, INC. TO WALTON EQUITY PARTNERS LLC, RECORDED IN OFFICIAL RECORDS BOOK 2804, PAGE 1163. (OVER AND ACROSS PUBLIX PARKING LOT, AS BEST CAN BE DETERMINED)
EXCEPTION 10: RIGHT OF WAY EASEMENT RECORDED IN ORB 2804 PG. 1205 DOES NOT AFFECT PARCEL SURVEYED AND SHOWN HEREON.
EXCEPTION 11: SUBJECT TO EASEMENT, GRANTED FROM WALTON EQUITY PARTNERS, LLC, A FLORIDA LIMITED LIABILITY COMPANY TO ACE HOME AND GARDEN OF LYNN HAVEN, LLC, A FLORIDA LIMITED LIABILITY COMPANY, RECORDED IN OFFICIAL RECORDS BOOK 3161, PAGE 1771. (AFFECTS PARCEL SURVEYED, PLOTTED AND SHOWN HEREON)
EXCEPTION 12: CROSS ACCESS AND DRAINAGE EASEMENT RECORDED IN ORB 3320 PG. 3747 PROVIDES OFFSITE DRAINAGE TO RETENTION POND ON LOT 1.
EXCEPTION 13: TERMINATION AGREEMENT RECORDED IN ORB 3303 PG. 3664 DOES NOT AFFECT PARCEL SURVEYED AND SHOWN HEREON.

NO FURTHER SEARCH OF THE PUBLIC RECORDS WAS PERFORMED BY THE UNDERSIGNED, INDIVIDUAL SURVEYOR OR GEOPOINT SURVEYING, INC..

DESCRIPTION:

LOT 2, AVID STORAGE AS RECORDED IN PLAT BOOK 3306, PAGE 1784 OF THE PUBLIC RECORDS OF WALTON COUNTY, FLORIDA.

THIS SURVEY IS VALID ONLY WITH A SIGNATURE & ORIGINAL SEAL, IN HARD COPY FORM, OR A DIGITAL SEAL IN ELECTRONIC FORM, PURSUANT TO RULES 5J-17.060 AND 5J-17.062, SECTION 472.027 OF THE FLORIDA STATUTES.



Digitally signed by Daryl Burgis
Date: 2025.09.22 10:42:54 -05'00'

DARYL E.W. BURGIS LS4980

EXISTING CONDITIONS

C1.0

www.geopointsurvey.com
Licensed Business No.: LB 7768

GeoPoint Surveying, Inc.

North Florida
67 Joe Campbell Road
Freeport, Florida 32439
Phone: (850) 740-0650

West Florida
213 Hobbs Street
Tampa, Florida 33619
Phone: (813) 248-8888
Fax: (813) 248-2266

Central Florida
528 Northlake Blvd, Suite 1040
Altamonte Springs, Florida 32701
Phone: (321) 270-0440

East Florida
4152 West Blue Heron Blvd
Suite 105
Riviera Beach, Florida 33404
Phone: (561) 444-2720

BOUNDARY AND TOPOGRAPHIC SURVEY
PREPARED FOR:
FORT WALTON BEACH MEDICAL CENTER
LOCATED IN:
Section 26, Township 2 S., Range 20 W., Walton County, Florida

Surveyor's Certification

I do hereby certify that this survey was made under my supervision and meets the "Standards of Practice" set forth by the Florida Board of Professional Surveyors and Mappers stated in Rules 5J-17.051, 5J-17.052, and 5J-17.053, Florida Administrative Code, pursuant to section 427.027 of the Florida Statutes.

SHEET: 1 of 1

FILE PATH: N:\AVID_STORAGE_SRB\LOT 2\SURVEY\AVID STORAGE LOT 2 BT.DWG PLOTTED BY: JEFFERY HARNESS ON: 9/22/2025 9:46 AM LAST SAVED BY: JEFFERYH ON: 9/22/2025 9:45 AM

PROJECT NOTES

1. SITE EXISTING CONDITIONS ARE TAKEN FROM SURVEY BY GEOPOINT SURVEYING, INC. DATED SEPTEMBER 22, 2025. CATALYST DESIGN GROUP SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF OR OMISSIONS FROM THE EXISTING CONDITIONS OR ERRORS RESULTING THEREFROM.
2. CATALYST DESIGN GROUP RECOMMENDS THAT CONSTRUCTION STAKING BE PROVIDED BY A SURVEYOR LICENSED IN THE STATE OF THE PROJECT.
3. THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS PRIOR TO CONSTRUCTION AND MAKE THE ENGINEER AWARE OF ANY INCONSISTENCIES BETWEEN THE SITE CONDITIONS AND EXISTING CONDITIONS PLAN.
4. DIMENSIONS PROVIDED ON THE PLAN ARE TAKEN TO THE FACE OF CURBS, EDGE OF CONCRETE OR EDGE OF BUILDING, UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO PERMIT REQUIREMENTS AS WORK PROCEEDS.
9. SITE CONTROL SHALL BE BASED OFF THE REFERENCE POINTS PROVIDED. SEE THE ARCHITECTURAL PLANS FOR LAYOUT CONTROL OF BUILDING ADDITIONS.
10. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR UTILITY LOCATION (CALL 811) AND HAVE THE UTILITIES MARKED BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL BE FAMILIAR WITH THE UTILITY LOCATIONS, PROTECT UTILITIES WHICH REMAIN IN SERVICE, AND REPAIR ANY DAMAGE TO UTILITY SYSTEMS PER THE UTILITY PROVIDER REQUIREMENTS.
11. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO PUBLIC ROADWAYS, CURBS AND SIDEWALKS IN ACCORDANCE WITH THE LOCAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCIES AT CONTRACTOR'S EXPENSE.
13. IN EASEMENTS AND RIGHTS-OF-WAY, CONTRACTOR SHALL PROTECT AND RESTORE SAID PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING AT THE COMMENCEMENT OF CONSTRUCTION EXCEPT AS NOTED.
14. ON SITE ASPHALT PAVEMENT MATERIALS SHALL BE PER LOCAL AUTHORITY SPECIFICATIONS, STATE SPECIFICATIONS, AND GEOTECHNICAL REPORT RECOMMENDATIONS.
15. THE CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS AND PRECAUTIONS.
16. UNLESS OTHERWISE NOTED, SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS FOR REVIEW. DESIGN DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH LOCAL/STATE SPECIFICATIONS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE DEVIATION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES AND/OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF FLORIDA, WHOSE SERVICES ARE ENGAGED AND PAID FOR BY THE CONTRACTOR.
18. ALL SPECIFICATIONS, DOCUMENTS, AND DETAILS REFERENCED SHALL BE THE LATEST REVISION AS APPLICABLE AT THE TIME OF PERMIT APPROVAL.
19. CONTRACTOR SHALL REPAIR ALL OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN AT THE START OF CONSTRUCTION.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS (811) AND VERIFY LOCATIONS OF ALL OTHER PRIVATE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE AND REPAIR IF DAMAGED PER PROVIDER REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH CORRESPONDING PROVIDER.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO ACCOMPLISH THE PROPOSED WORK.
3. THE CONTRACTOR SHALL PROTECT PROPERTY BOUNDARY PINS AND SURVEY CONTROL POINTS FROM DAMAGE.
4. THE CONTRACTOR SHALL COMPLY WITH EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS AND INSTALL NECESSARY EPSC MEASURES AND CONSTRUCTION ENTRANCE/ EXIT PRIOR TO DISTURBING EXISTING VEGETATION. THE CONTRACTOR SHALL ALSO USE WATER SPRINKLING OR OTHER MEASURES TO CONTROL DUST AND OTHER AIRBORNE DEBRIS RESULTING FROM DEMOLITION.
5. TREE PROTECTION MEASURES SPECIFIED IN THESE PLANS SHALL BE INSTALLED PRIOR TO BEGINNING DEMOLITION OPERATIONS.
6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR DEMOLITION AND TREE REMOVAL.
7. THE CONTRACTOR MAY BE REQUIRED TO PHASE THE DEMOLITION TO MAINTAIN EXISTING UTILITY SERVICES, PROPER DRAINAGE OR ACCESS TO THE SITE OR ADJOINING SITES. THE CONTRACTOR SHALL MINIMIZE THE DISRUPTION OF EXISTING ACTIVE UTILITIES AND TRAFFIC PATTERNS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROVIDE A DEMOLITION PHASING SCHEDULE WHERE REQUESTED.
8. UTILITY AND STORM SEWER LINES SHOULD NOT BE DEMOLISHED UNTIL NEW OR RELOCATED LINES HAVE BEEN INSTALLED AND ARE OPERATIONAL.
9. THE CONTRACTOR SHALL INCLUDE IN THEIR COST ANY ISOLATION VALVES OR TEMPORARY MEASURES REQUIRED TO ACCOMPLISH RELOCATIONS AND DEMOLITION OF UTILITIES.
10. PAVEMENTS, SIDEWALKS, CURBS AND OTHER HARD SURFACES SHALL BE EVENLY SAW CUT AT THE LIMITS OF REMOVAL TO PROVIDE A CLEAN EDGE. COORDINATE LIMITS OF REMOVAL WITH PROPOSED CONSTRUCTION INCLUDING GRADING, UTILITY INSTALLATION, PROPOSED LAYOUT, ETC.
11. EXISTING SITE FEATURES NOTED AS BEING ABANDONED MAY BE ABANDONED INPLACE IF THE ITEMS ARE LOCATED MORE THAN 24" BELOW FINAL SUBGRADES (TO TOP OF PIPE OR OTHER FEATURE) AND NOT LOCATED WITHIN PROPOSED BUILDING FOOTPRINTS. ENDS OF PIPES ABANDONED SHALL BE SEALED WITH CONCRETE.
12. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S COST UNLESS NOTED TO BE PROVIDED TO THE OWNER.
13. CAVITIES LEFT BY DEMOLITION SHALL BE PROPERLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
14. WHERE EXISTING IRRIGATION LINES ARE LOCATED WITHIN THE AREA OF CONSTRUCTION, THEY SHALL BE PROTECTED OR RE-ROUTED AND CONNECTED TO MAINTAIN OPERATION OF LANDSCAPE AREAS WHICH REMAIN DURING CONSTRUCTION. COORDINATE TEMPORARY MEASURES WITH DESIGN OF NEW SYSTEM AND REMOVE TEMPORARY MEASURES WHEN NO LONGER NEEDED.
15. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS FOR ALL ON-SITE AND OFF-SITE DEWATERING REQUIREMENTS AND PERMIT THROUGH THE NECESSARY LOCAL AND STATE AGENCIES AS NEEDED.
16. IF AN EXISTING WELL IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, CONTRACTOR TO INFORM ENGINEER AND ABANDON/REMOVE ANY EXISTING WELLS PER LOCAL/STATE STANDARDS AND SPECIFICATIONS.

ADA ACCESSIBILITY NOTES

1. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY ARE TO BE CONSTRUCTED BASED ON LOCAL AUTHORITY'S STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS. WHERE THERE ARE NO LOCAL STANDARDS, THE CONTRACTOR SHALL CONSTRUCT CURB RAMPS ACCORDING TO THE CURRENT VERSION OF THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), PUBLISHED BY THE UNITED STATES ACCESS BOARD.
2. PRIVATE CURB RAMPS ON THE SITE OUTSIDE OF THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND/OR FAIR HOUSING ACT (FHA), WHERE APPLICABLE.
3. BEFORE PLACING PAVEMENT OR SIDEWALKS, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM ACCESSIBLE DOORS, ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. MAXIMUM GRADES WITHIN ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE 2% IN ANY DIRECTION. WITHIN ACCESSIBLE PATHS MAXIMUM SLOPES FOR SIDEWALKS SHALL BE LONGITUDINALLY MAXIMUM 5%, FOR RAMPS SHALL BE LONGITUDINALLY MAXIMUM 8.33% (1:12), AND CROSS SLOPES SHALL BE MAXIMUM 2%. TURNING MOVEMENTS SHALL BE 5'X5' MAXIMUM 2% IN ANY DIRECTION.
4. CURB RAMPS SHALL HAVE A LANDING AT THE TOP MATCHING THE WIDTH OF THE RAMP AND A MINIMUM DEPTH OF 48". RAMPS SHALL HAVE A 5' X 5' LANDING AT THE TOP AND BOTTOM OF THE RAMP. ALL CURB/ACCESSIBLE RAMP DESIGNS SHALL CONFORM TO ACCESSIBLE STANDARDS OR LOCAL BUILDING CODE STANDARDS, WHICHEVER IS MORE RESTRICTIVE.
5. CONTRACTOR TO FIELD VERIFY SLOPE MEASUREMENTS ON FINISHED GRADE, SUBGRADE, AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY CONFORMANCE TO ADA SLOPES. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.
6. WHERE CONSTRUCTION IS TAKING PLACE WITHIN AN EXISTING DEVELOPMENT OR FACILITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AN ACCESSIBLE PATH PER ADA STANDARD SPECIFICATIONS THROUGHOUT THE CONSTRUCTION PROCESS AS NEEDED.

TREE PROTECTION NOTES

1. INSTALL TREE PROTECTION PRIOR TO DEMOLITION OR EARTH MOVING OPERATIONS ON SITE IN ACCORDANCE WITH THE DETAILS AND NOTES PROVIDED IN THESE PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL STAKE THE LIMITS OF CONSTRUCTION TO ENSURE THE TREE PROTECTION MEASURES ARE INSTALLED IN THE PROPER LOCATIONS.
3. THE TREE PROTECTION MEASURES SHALL CONSIST OF 48" TALL CHAIN LINK FENCE WITH STEEL TEE POSTS OR ORANGE CONSTRUCTION BARRICADE FENCE. PRIOR TO CONSTRUCTION OPERATIONS, TREE PROTECTION FENCE INSTALLATION SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE AND GOVERNING AUTHORITY IF REQUIRED.
4. ANY GRADING OR EXCAVATION WITHIN THE PROTECTED ROOT ZONE SHALL BE ACCOMPLISHED BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE DAMAGE.
5. ROOTS EXPOSED DURING CONSTRUCTION OPERATIONS SHALL BE PRUNED FLUSH WITH THE GROUND AND COVERED WITH BACKFILL AS SOON AS POSSIBLE. IF CONSTRUCTION OPERATIONS WILL DELAY THE PLACEMENT OF BACKFILL THE ROOTS SHALL BE TEMPORARILY COVERED WITH MULCH AND WATERED UNTIL BACKFILL OPERATIONS CAN BE ACCOMPLISHED.
6. DO NOT STORE EQUIPMENT OR MATERIALS WITHIN THE DRIP LINE OF TREES TO BE PRESERVED.
7. WHEN GRADING OR TRENCHING OPERATIONS ARE DIRECTED WITHIN THE DRIP LINE OF A TREE TO BE PRESERVED, THE ROOTS SHALL FIRST BE CUT USING A "DITCH WITCH" OR SIMILAR EQUIPMENT TO PROVIDE A CLEAN CUT OF THE ROOTS AT THE LIMIT OF DISTURBANCE, PRIOR TO USE OF OTHER GRADING MACHINERY. ONCE THE ROOTS HAVE BEEN CUT AS NOTED ALL EQUIPMENT SHALL BE RESTRICTED FROM ENTERING THE AREA BETWEEN THE CUT LINE AND TREE TRUNK. TRENCHES SHALL BE BACKFILLED AND TAMPED TO MINIMIZE SETTLEMENT.
8. BARRICADES SHALL BE INSTALLED WITHIN THE LIMITS OF PROPOSED PAVEMENTS WHEN EXTENDING UNDER THE DRIP LINE OF TREES TO BE PRESERVED UNTIL OPERATIONS TO CONSTRUCT THE PAVED AREAS ARE INITIATED. THEN THE BARRICADES CAN BE RELOCATED TO PROVIDE THE MINIMUM AREA NECESSARY FOR CONSTRUCTION OF THE PROPOSED WORK AND SHALL REMAIN IN PLACE UNTIL ALL WORK IS COMPLETE.
9. PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION DURING PERIODS OF DROUGHT EXCEEDING SEVEN DAYS. EVENLY DISTRIBUTE WATER OVER THE ENTIRE ROOT ZONE.
10. ROOT ZONE AREAS OF TREES THAT HAVE BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITIES SHALL BE AERATED AT THE DIRECTION OF A QUALIFIED ARBORIST.
11. HOSE DOWN FOLIAGE OF SPECIMEN TREES SUBJECT TO HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITIES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE GRASS TO LESS THAN 12" IN HEIGHT WITHIN THE AREAS OF TREE PROTECTION DURING THE CONSTRUCTION PERIOD. DO NOT USE HERBICIDES TO CONTROL VEGETATION WITHIN THE TREE PROTECTION AREA.
13. REMOVAL OF TREE PROTECTION FENCING SHALL NOT OCCUR UNTIL APPROVED BY THE GOVERNING AUTHORITY WHERE REQUIRED, OR THE OWNER'S REPRESENTATIVE. ALL REMNANTS OF THE FENCING SHALL BE REMOVED AND RESTORATION OF THE AREAS SHALL BE COMPLETED.

EROSION CONTROL NOTES

1. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES SHALL BE INSTALLED PER LOCAL AND STATE REQUIREMENTS PRIOR TO ANY EARTH MOVING ACTIVITIES.
2. PROVIDE CONSTRUCTION ENTRANCE/EXIT AS DETAILED ON THE PLANS AND PER LOCAL REQUIREMENTS. MAINTAIN ENTRANCE/EXIT THROUGHOUT CONSTRUCTION AND MAINTAIN THE PUBLIC ROADWAY FREE OF TRACKED MUD AND DIRT.
3. EPSC MEASURES SHALL BE INSTALLED AND INSPECTED BY LOCAL OFFICIALS (IF REQUIRED) PRIOR TO BEGINNING EARTH MOVING OPERATIONS. EPSC MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
4. LOCATION OF DIVERSION DITCHES, SILT FENCE, AND OTHER MEASURES MAY BE SLIGHTLY ADJUSTED IN THE FIELD TO AVOID TREES AND OTHER EXISTING FEATURES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS OUTLINED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED FOR THE SITE, AS WELL AS LOCAL AND STATE REQUIREMENTS. THE CONTRACTOR SHALL ALSO PROVIDE THE CERTIFIED EROSION CONTROL INSPECTOR AND CONTINUAL MAINTENANCE OF THE EPSC MEASURES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, THEN ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
6. AS THE WORK PROGRESSES THE LOCATION AND TYPE OF MEASURES MAY REQUIRE ADJUSTMENTS. TEMPORARY MEASURES MAY BE REQUIRED IN CERTAIN AREAS THAT CAN BE REMOVED DURING THE WORK DAY AND RE-ESTABLISHED WHEN WORK CEASES FOR THE DAY OR PRIOR TO A DAYTIME RAIN EVENT.
7. SEDIMENT SHALL BE REMOVED FROM EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WHEN THE DESIGN CAPACITIES HAVE BEEN REDUCED BY 50% OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCY. PROPERLY DISPOSE OF ACCUMULATED SEDIMENT.
8. THE CONTRACTOR SHALL PROVIDE A RAIN GAUGE AT THE SITE AND DOCUMENT RAINFALL EVENTS DURING THE CONSTRUCTION PERIOD.
9. THE CONTRACTOR SHALL MAINTAIN THE FOLLOWING RECORDS AT THE SITE: DATE WHEN MAJOR GRADING ACTIVITIES OCCUR, THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTIONS OF THE SITE, THE DATES WHEN STABILIZATION MEASURES ARE INITIATED, INSPECTION RECORDS, AND RAINFALL EVENTS.
10. EXISTING SITE VEGETATION SHALL REMAIN IN PLACE AS LONG AS POSSIBLE AND SHALL NOT BE REMOVED MORE THAN 10 DAYS PRIOR TO THE DATE AT WHICH EARTH MOVING OPERATIONS ARE TO BEGIN UNLESS TEMPORARY COVER IS INSTALLED. DO NOT REMOVE VEGETATION OR TREES UNLESS NECESSARY FOR GRADING OR OTHER PROJECT PURPOSES.
11. THE CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THE SITE SOILS ARE EXPOSED TO EROSION. PROVIDE TEMPORARY COVER AS NECESSARY.
12. EPSC MEASURES SHALL BE REMOVED ONCE PERMANENT VEGETATION IS ESTABLISHED AND WHEN DEEMED NO LONGER NEEDED BY THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCY.

AS-BUILT REQUIREMENTS

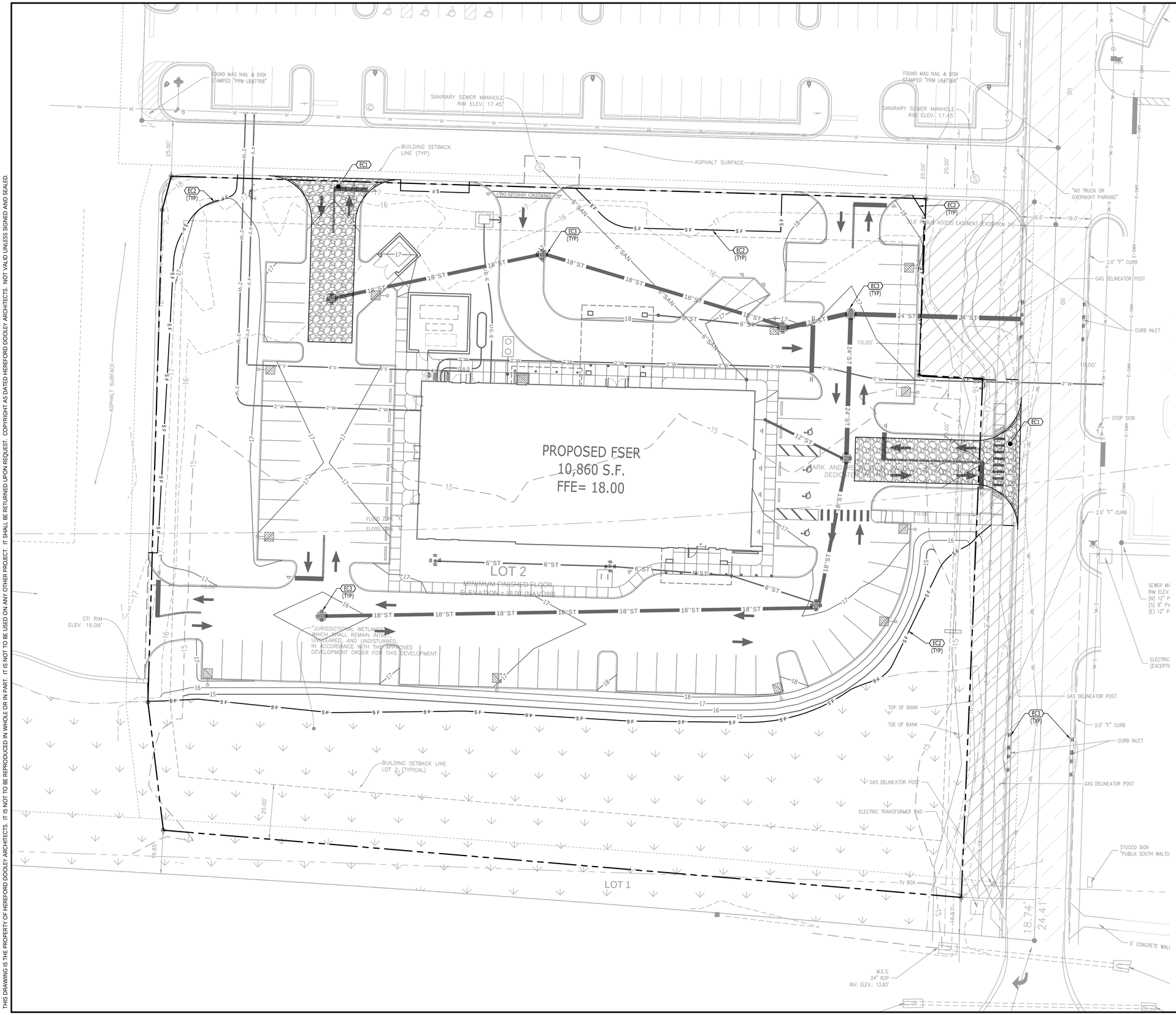
1. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED SURVEYOR IN THE STATE OF FLORIDA TO PROVIDE AS-BUILT SURVEY DATA FOR UTILITIES AND STORMWATER MANAGEMENT INFRASTRUCTURE. A THIRD-PARTY DIGITALLY SIGNED AND SEALED PDF COPY OF THE AS-BUILT DRAWINGS AND AS-BUILT CAD FILE (OF AUTOCAD 2004 OR NEWER) SHALL BE PROVIDED.
2. AS-BUILT SURVEYS SHOULD AT A MINIMUM PROVIDE THE FOLLOWING ITEMS:
   - 2.1. NORTH AMERICAN VERTICAL DATUM 1988 SHALL BE USED (UNLESS LOCAL JURISDICTION REQUIRES OTHERWISE). DATUM SHALL BE NOTED ON EACH DRAWING.
   - 2.2. SPOT ELEVATIONS AND CONTOURS (NOT TO EXCEED 1' INTERVAL) FOR ALL PERMANENT STORMWATER QUALITY AREAS, DETENTION PONDS, AND ASSOCIATED EMBANKMENTS TO ENSURE PROPER SIZING OF THESE FEATURES.
   - 2.3. LOCATION, SIZE, MATERIAL, LENGTH, SLOPES, AND ELEVATION INFORMATION FOR ALL STORMWATER PIPES AND STRUCTURES.
   - 2.4. SIZE, MATERIAL, AND ELEVATION INFORMATION FOR ALL STORMWATER QUALITY FEATURES. INCLUDE AS-BUILT SURVEY CONFIRMATION OF ALL INFORMATION DETAILED IN THE PLANS FOR THE PROJECT'S OUTLET CONTROL STRUCTURE, WATER QUALITY DEVICE, UNDERGROUND DETENTION SYSTEM, UNDERDRAIN SYSTEM, AND/OR POND LINER. INCLUDE INFORMATION SUCH AS ELEVATION & SIZE OF WEIRS, ORIFICES, RISERS, TOP OF CASTINGS, SKIMMERS, INVERTS, ETC. AS-BUILT OF THE POND & OUTLET STRUCTURE SHOULD BE PROVIDED AS SOON AS POSSIBLE UPON COMPLETION OF THESE ELEMENTS (WITHIN 21 DAYS) SO AS NOT TO DELAY PERMIT CLOSEOUT PROCESS.
   - 2.5. ALL OTHER AS-BUILT INFORMATION REQUIRED BY THE JURISDICTIONAL AUTHORITY OR NOTED ELSEWHERE IN THE PLANS.
   - 2.6. LOCATION, SIZE, MATERIAL, LENGTH, SLOPE, AND ELEVATION INFORMATION FOR ALL UTILITY COMPONENTS PROPOSED AS PART OF THIS PROJECT. INCLUDE ALL FIRE, DOMESTIC, AND RECLAIM WATER DEVICES, SANITARY SEWER SYSTEM COMPONENTS (INCLUDING LIFT STATION START-UP REPORT), ETC.
3. THE CONTRACTOR SHALL REVIEW LOCAL AUTHORITY'S AS-BUILT REQUIREMENTS AND/OR CONTACT ENGINEER TO CONFIRM AS-BUILT INFORMATION. PHOTOGRAPHIC EVIDENCE OF PROPER INSTALLATION OF STORMWATER MANAGEMENT AND WATER QUALITY INFRASTRUCTURE AND/OR VIDEO INSPECTIONS OF STORMWATER PIPES MAY BE REQUIRED. THE CONTRACTOR SHALL CAPTURE AND RETAIN PHOTOGRAPHIC DOCUMENTATION OF KEY INSTALLATION MILESTONES AS NEEDED. FAILURE TO PROVIDE NECESSARY PHOTOGRAPHIC DOCUMENTATION PRIOR TO BACKFILLING MAY CAUSE DELAYS AND MAY REQUIRE SITE INVESTIGATION THAT COULD INCLUDE RE-EXCAVATION OF COMPLETED INFRASTRUCTURE AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO RETAIN AND PROVIDE RECEIPTS FOR ANY FABRICATED STORMWATER MANAGEMENT INFRASTRUCTURE SUCH AS PROPRIETARY WATER QUALITY UNITS, UNDERGROUND DETENTION STRUCTURES, PERMEABLE PAVERS, OR SPECIALTY SOIL MEDIA (WITH APPLICABLE TESTING IF REQUIRED).

STORM SEWER NOTES

1. ALL STORMWATER PIPES, STRUCTURES, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL FOLLOW CONSTRUCTION PLANS AND MANUFACTURER DETAILS, SPECIFICATIONS, AND INSTALLATION INSTRUCTIONS AS INCLUDED WITHIN THE PLANS AND PROVIDED BY THE MANUFACTURER FOR THE INSTALLATION OF PIPES, STRUCTURES, WATER QUALITY UNITS AND FABRICATED DETENTION SYSTEMS.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM SEWER PIPE, STRUCTURES, WATER QUALITY STRUCTURES, AND FABRICATED DETENTION STRUCTURES FOR ENGINEER AND OWNER APPROVAL PRIOR TO ORDERING MATERIALS.
3. PIPE SPECIFICATIONS:
   - 3.1. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III, WALL TYPE 'B' CONFORMING TO ASTM C76 UNLESS OTHERWISE NOTED WITH BELL-AND-SPIGOT AND GASKETED JOINTS WITH ASTM C443 RUBBER GASKETS OR MASTIC SEAL CONFORMING TO ASTM C990. RCP SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C1479.
     - 3.1.1. CLASS IV RCP PIPE IS REQUIRED FOR FILL HEIGHTS OVER 13' OR WHERE NOTED BY THE ENGINEER.
   - 3.2. HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE DUAL-WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. HDPE PIPE SHALL CONFORM TO ASTM D3350 WITH RUBBER GASKET SOIL TIGHT JOINTS CONFORMING TO ASTM F477. THERMOPLASTIC PIPING SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C2321.
   - 3.3. HIGH-PERFORMANCE POLYPROPYLENE (HP) PIPE SHALL BE DUAL-WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR, CONFORMING TO ASTM F2881 AND AASHTO M330 WITH GASKETED SOIL TIGHT JOINTS CONFORMING TO ASTM F477. THERMOPLASTIC PIPING SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C2321.
4. ALL PIPES SHALL BE INSTALLED, AT A MINIMUM, WITH SOIL TIGHT JOINTS AND BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND AASHTO SECTION 30.
5. PIPE BEDDING, BACKFILL, AND COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH LOCAL AND STATE DEPARTMENT OF TRANSPORTATION DETAILS AND SPECIFICATIONS.
6. PIPES UNDER EXISTING PAVEMENT AREAS SHALL BE COMPLETELY BACKFILLED WITH CRUSHED STONE OR PER LOCAL AUTHORITY STANDARD REQUIREMENTS. PAVEMENT SECTIONS SHALL MEET OR EXCEED EXISTING CONDITIONS WITH A SMOOTH TRANSITION.
7. STORM STRUCTURE SPECIFICATIONS:
   - 7.1. STORM INLETS AND MANHOLES SHALL BE PRECAST IN COMPLIANCE WITH THE LOCAL/STATE JURISDICTIONAL AUTHORITY'S STANDARD DETAILS AND SPECIFICATIONS, AND MEET/OR EXCEED SPECIFICATIONS OF ASTM C478/C913. STRUCTURES SHALL BE TRAFFIC RATED PER H-20 LOADING REQUIREMENTS.
   - 7.2. REFER TO STRUCTURE TABLE FOR CASTING FRAME AND GRATE TYPES. FRAMES AND GRATES TO BE PROVIDED IN ACCORDANCE WITH THE LOCAL/STATE JURISDICTIONAL AUTHORITY'S STANDARD DETAILS AND SPECIFICATIONS AND INSTALLED PER MANUFACTURES RECOMMENDATIONS.
   - 7.3. PIPE CONNECTIONS TO STRUCTURES:
     - 7.3.1. FLEXIBLE, WATERTIGHT GASKETS SHALL COMPLY WITH ASTM C923
     - 7.3.2. NON-SHRINK GROUT PER ASTM C1107
   - 7.4. FRAMES AND GRATES:
     - 7.4.1. MATERIAL: GRAY IRON CLASS 35 PER ASTM A48 UNLESS OTHERWISE INDICATED.
8. REFER TO PIPE AND STRUCTURE TABLE FOR CASTING TYPES. INSTALL REDUCERS AS NECESSARY PER MANUFACTURER'S SPECIFICATIONS TO ACCOMMODATE LARGER PIPE DIAMETERS OR CASTING SIZES.
9. TOP OF STRUCTURE ELEVATIONS FOR DRAINAGE STRUCTURES SHALL BE PROVIDED PER THE DETAILS AND STRUCTURE TABLE.
10. CONTRACTOR SHALL PLACE STRUCTURES BASED ON THE ACTUAL DIMENSIONS OF ORDERED STRUCTURE/GRATE TO ALIGN WITH PROPOSED OR EXISTING CURB LINE. STRUCTURES SHOULD NOT BE INSTALLED BASED SOLELY ON STRUCTURE CENTERLINES.
11. COORDINATE THE LOCATION OF SITE DRAINAGE SYSTEMS WITH THE BUILDING ARCHITECTURE AND PLUMBING PLANS FOR COLLECTION OF ROOF DRAINS AND DOWNSPOUTS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
12. ADJUST THE CASTINGS OF ALL EXISTING AND NEW STRUCTURES TO MATCH PROPOSED FINISH GRADE ENSURING POSITIVE DRAINAGE IS STILL MAINTAINED. SLOPE THE TOPS OF CASTINGS TO MATCH SLOPES OF PROPOSED PAVEMENTS AND SIDEWALKS.

SITE UTILITY NOTES

1. THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS (811) AND VERIFY LOCATIONS OF ALL OTHER PRIVATE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE AND REPAIR IF DAMAGED PER PROVIDER REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH CORRESPONDING PROVIDER.
2. THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS OF EACH UTILITY AND VERIFY THE SCOPE OF INSTALLATIONS OR RELOCATIONS THAT WILL BE REQUIRED AND IMPACT EACH COULD HAVE ON THE SCHEDULE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEQUENCING OF INSTALLATION OF THE UTILITIES TO AVOID CONFLICTING HORIZONTAL AND VERTICAL LOCATIONS.
3. ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE TO THE GOVERNING AUTHORITY'S REQUIREMENTS AND SPECIFICATIONS. IF THE GOVERNING AUTHORITY DOES NOT HAVE MATERIAL RECOMMENDATIONS FOR PRIVATE UTILITIES, THEN THE CONTRACTOR SHALL PROVIDE PRIVATE MATERIALS IN ACCORDANCE WITH PUBLIC STANDARDS. OTHERWISE, THE FOLLOWING MINIMUM STANDARDS SHALL BE MET:
   - 3.1. PRIVATE GRAVITY SANITARY SEWER APPLICATIONS:
     - 3.1.1. POLYVINYL CHLORIDE PIPE (PVC) 4" AND GREATER SHALL BE SDR 35, PER ASTM D3034 OR ASTM F679
       - 3.1.1.1. JOINTS: ELASTOMERIC GASKETED, BELL AND SPIGOT, PUSH-ON TYPE PROVIDING A WATER TIGHT SEAL PER ASTM D3212.
     - 3.1.2. DUCTILE IRON PIPE (DIP) SHALL BE PRESSURE CLASS 350 COMPLYING WITH LATEST VERSION OF AWWA C150/C151
       - 3.1.2.1. JOINTS AND FITTINGS: MECHANICAL, PUSH-ON JOINTS, OR FLANGED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C153.
       - 3.1.2.2. LINER AND COATING: INTERIOR LINER 40 MIL DRY FILM, PERMA SHIELD 431 PL OR APPROVED EQUAL AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO ANSI AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
   - 3.2. PRIVATE POTABLE WATER APPLICATIONS:
     - 3.2.1. POLYVINYL CHLORIDE PIPE (PVC) LESS THAN 4" SHALL BE SCHEDULE 40 PVC PIPE PER ASTM D1785
       - 3.2.1.1. JOINTS AND FITTINGS: SOLVENT CEMENTED JOINTS PER ASTM D2672. PVC FITTINGS PER ASTM D2466
     - 3.2.2. POLYVINYL CHLORIDE PIPE (PVC) 4" AND GREATER SHALL BE AWWA C900, DR-18
       - 3.2.2.1. JOINTS AND FITTINGS: RESTRAINED GASKETED JOINTS PER ASTM F477 AND ASTM D3139. DIP FITTINGS WITH RESTRAINED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C153 ARE TO BE USED.
       - 3.2.2.2. LINING & COATING: INTERIOR CEMENT MORTAR LINING CONFORMING TO AWWA C104 REQUIREMENTS AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
     - 3.2.3. DUCTILE IRON PIPE (DIP) 16" AND BELOW SHALL BE PRESSURE CLASS 350 COMPLYING WITH LATEST VERSION OF AWWA C150/C151.
       - 3.2.3.1. JOINTS AND FITTINGS: MECHANICAL OR PUSH-ON JOINTS OR FLANGED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C115/C153.
       - 3.2.3.2. LINING & COATING: INTERIOR CEMENT MORTAR LINING CONFORMING TO AWWA C104 AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
4. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF THE PROPOSED SEWER CONNECTION POINT PRIOR TO INSTALLATION OF NEW L



EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.1
EC2	SILT FENCE	3 / C3.1
EC3	INLET PROTECTION	4 / C3.1

LEGEND

SILT FENCE	SF
INLET PROTECTION	
CONSTRUCTION ENTRANCE	

NOTES

1. SEE SHEET C2.0 & C3.1 FOR EROSION CONTROL NOTES.

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Know what's below.
Call before you dig.

0 10 20 40 60
GRAPHIC SCALE

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F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

IAN BRICE ANDERSON
LICENSE
No. 87145
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/18/2025

DATES OF ISSUANCE
12/18/2025 △

TITLE: EROSION CONTROL PLAN

SHEET: C3.0

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FDEP NPDES NOTES

1. PRIOR TO START OF CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL SUBMIT TO THE STATE OF FLORIDA ENVIRONMENTAL PROTECTION (F.D.E.P.), A NOTICE OF INTENT (N.O.I.) TO USE THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, AND OBTAIN A VERIFICATION OF PERMIT COVERAGE. CONTACT THE NPDES NOTICES CENTER AT TEL. 866-336-6312, FOR MORE INFORMATION.

2. THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTOR TO INSPECT ALL POINTS OF DISCHARGE INTO SURFACE WATERS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A 0.50 INCH RAINFALL EVENT OR GREATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A RAIN GAUGE AND KEEPING A RECORD OF THE RAINFALL ON THE PROJECT SITE.

3. THE CONTRACTOR SHALL PREPARE A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME AND QUALIFICATION OF THE INSPECTOR, DATE OF INSPECTION, RAINFALL DATA, AND MAJOR OBSERVATIONS RELATING TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE REPORT SHALL EITHER IDENTIFY THE INCIDENTS OF NON-COMPLIANCE OR STATE THAT THE PROJECT IS IN COMPLIANCE WITH THE PERMIT. THE REPORT SHALL BE SIGNED BY THE INSPECTOR. COPIES OF THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDITION(S) (AHJ) UPON REQUEST.

4. ALL CONTRACTORS AND SUB-CONTRACTORS IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN OF THIS N.O.I. VERIFICATION OF PERMIT SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING CONSTRUCTION ACTIVITIES AT THE SITE. A COPY OF THE CERTIFICATION SHALL BE PROVIDED TO THE ENGINEER OF RECORDS AND LOCAL AHJ UPON REQUEST.

   "I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND STORMWATER POLLUTION PREVENTION PLAN THEREUNDER PREPARED FOR THE PROJECT"

   BY:_____ DATE:_____

5. IN ADDITION TO THE INSPECTION AND MAINTENANCE REPORTS THE CONTRACTOR SHALL KEEP RECORDS OF THE CONSTRUCTION ACTIVITIES INCLUDING: DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN AN AREA, DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, EITHER TEMPORARY OR PERMANENT, AND DATES WHEN AN AREA IS STABILIZED.

6. UPON COMPLETION OF FINAL STABILIZATION THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.).

7. THE CONTRACTOR SHALL RETAIN COPIES OF THE STORM WATER POLLUTION PREVENTION PLANS AND ALL REPORTS REQUIRED BY THE NPDES N.O.I. VERIFICATION OF PERMIT, AND KEEP RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT AND NOTICE OF TERMINATION FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE N.O.T. IS SUBMITTED.

8. PERMIT INFORMATION AND APPLICATION FORMS ON NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR CONSTRUCTION GENERIC PERMIT (CGP) FOR CONSTRUCTION ACTIVITY ARE AVAILABLE FROM HTTPS://FLORIDADEP.GOVE/WATER/STORMWATER/CONTENT/NPDES-PERMITS-AND-FORMS, OR BY CALLING THE FDEP AT TELEPHONE NO. 863-850-245-7522.

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.

2. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.

3. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.

4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.

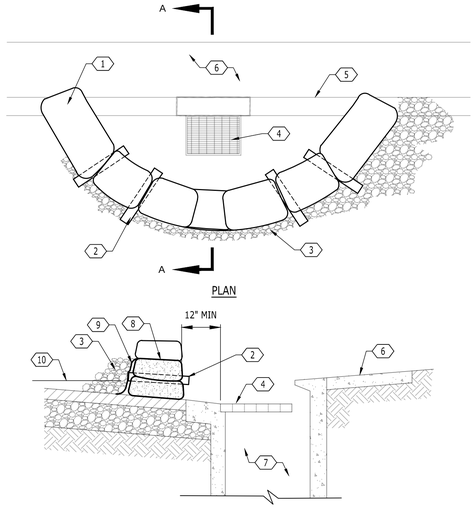
5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.

6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.

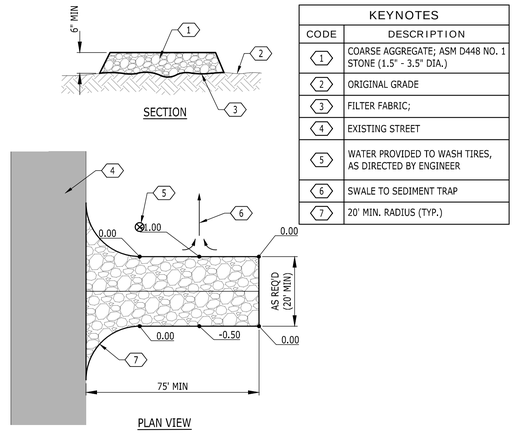
7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.

KEYNOTES	
CODE	DESCRIPTION
1	SAND BAGS; OVERLAP ONTO CURB
2	PVC PIPE; 2"-3" DIA.; PLACE BETWEEN FIRST AND SECON LAYERS OF SAND BAGS (TYP.)
3	CLEAN, WASHED, STONE FILTER (¾" DIA. NOMINAL SIZE GRAVEL OR APPROVED EQUAL); LINE ENTIRE OUTER PERIMETER OF THE SANDBAG BARRIER;
4	CURB INLET
5	BACK OF CURB
6	SIDEWALK
7	CATCH BASIN
8	SPILWAY
9	FILTER FABRIC
10	ALLOWABLE PONDING ELEV.
	NOTE: 1. NOT APPLICABLE IN AREAS OF HIGH SILTS AND CLAYS WITHOUT USE OF FILTER FABRIC LAYER. 2. PERIODICALLY REMOVE AND REPLACE GRAVEL. OLD GRAVEL MAY BE USED AS BACKFILL MATERIAL IF APPROVED BY THE ENGINEER.



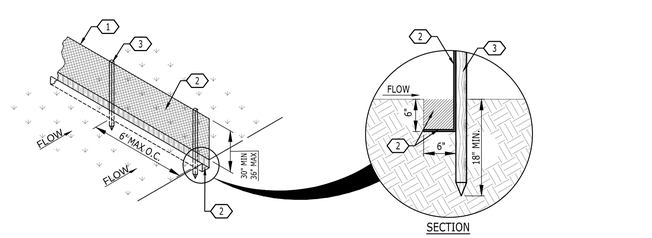
4 **SAND BAG CURB INLET PROTECTION**



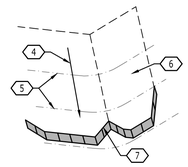
KEYNOTES	
CODE	DESCRIPTION
1	COARSE AGGREGATE; ASM D448 NO. 1 STONE (1.5" - 3.5" DIA.)
2	ORIGINAL GRADE
3	FILTER FABRIC;
4	EXISTING STREET
5	WATER PROVIDED TO WASH TIRES, AS DIRECTED BY ENGINEER
6	SWALE TO SEDIMENT TRAP
7	20' MIN. RADIUS (TYP.)

1 **TEMPORARY CONSTRUCTION ENTRANCE**
NOT TO SCALE

2 **RESERVED**
NOT TO SCALE



KEYNOTES	
CODE	DESCRIPTION
1	WOVEN WIRE FENCE BACKING FOR TYPE "B" SILT FENCE ONLY
2	ENGINEERING FILTER FABRIC*; BURY BOTTOM OF FABRIC IN 6"x6" TRENCH; BACKFILL TRENCH WITH SOIL AND COMPACT
3	POST; WOOD (2"x2" MIN.) OR STEEL T-POST (1.3 LB./FT. MIN.)
4	98' MAXIMUM RECOMMENDED SLOPE LENGTH
5	LEVEL CONTOUR; INSTALL SILT FENCE ALONG A LEVEL CONTOUR
6	MAX. TRIBUTARY AREA: 0.25 Ac. / 100 FT. OF FENCE
7	TURN LAST 6' OF FENCE UP SLOPE



SPECIFICATIONS		
Tensile Strength (Lbs. Min.) (1) (ASTM D-4632)	Warp-120 Fill -100	Warp-120 Fill -100
Elongation (%Max.) (ASTM D-4632)	40	40
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751)	#30	#30
Flow Rate (Gal/Min/Sq. Ft.) (GDT-87)	25	25
Ultraciolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80	80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphram Bursting Strength Tester)	175	175
Minimum Fabric Width (Inches)	36	22

3 **SILT FENCE - TYPES A & B**
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
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STATUS: CONSTRUCTION DOCUMENTS

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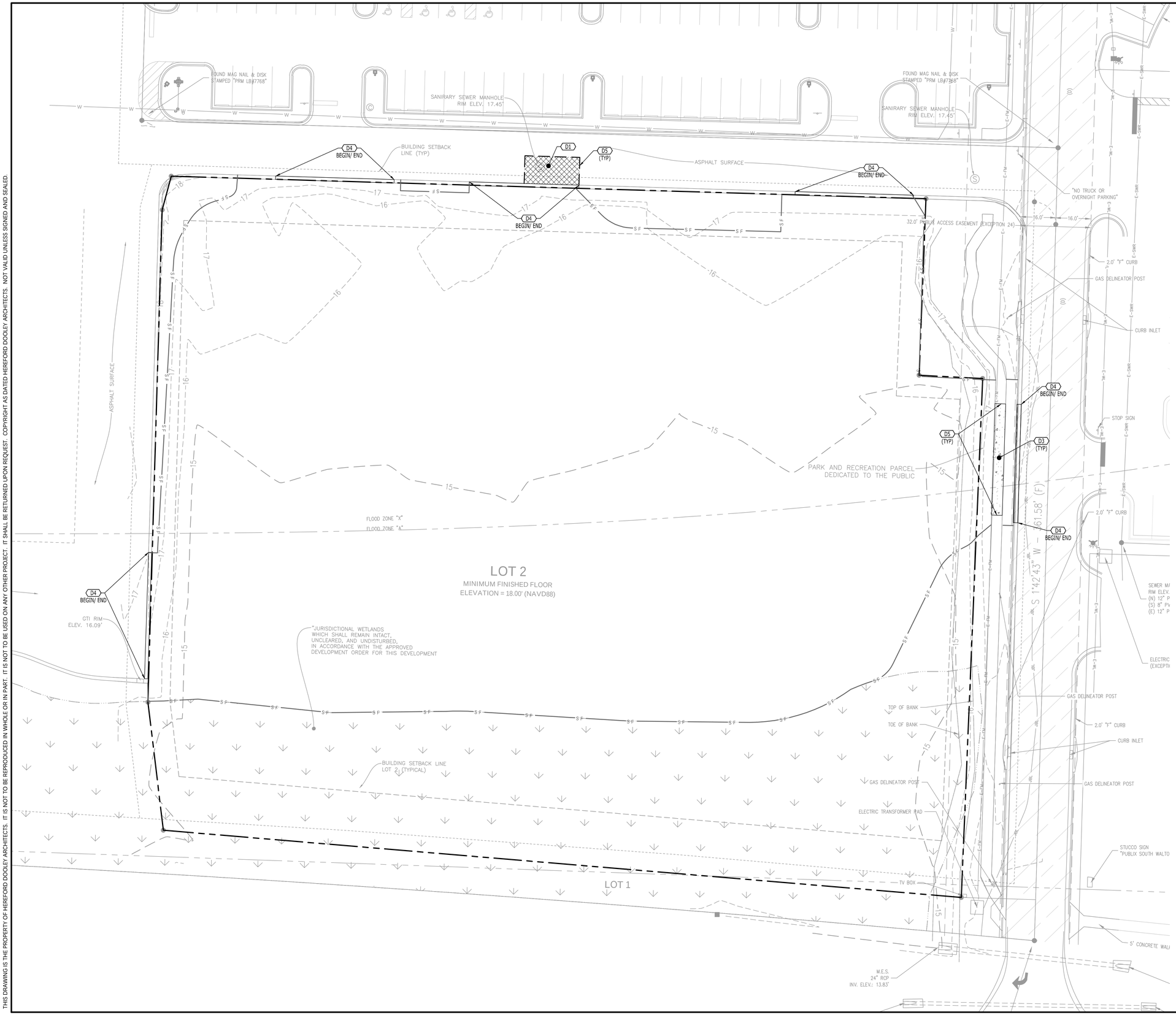
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TITLE: EROSION CONTROL DETAILS

SHEET: C3.1

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DEMOLITION KEYNOTES

CODE	DESCRIPTION
D1	REMOVE EXISTING ASPHALT PAVEMENT
D3	REMOVE EXISTING CONCRETE SIDEWALK
D4	REMOVE EXISTING CONCRETE CURB
D5	EVENLY SAWCUT

LEGEND

CONCRETE TO REMOVE	
ASPHALT PAVEMENT TO REMOVE	
SILT FENCE	S F

NOTES

1. SEE SHEET C2.0 FOR DEMOLITION NOTES.
2. ALL TEMPORARY ROUTES AND TEMPORARY ACCESSIBLE PARKING SHALL COMPLY WITH APPLICABLE ADA STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO ACCOMPLISH THE PROPOSED WORK.

N

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0 10 20 40 60
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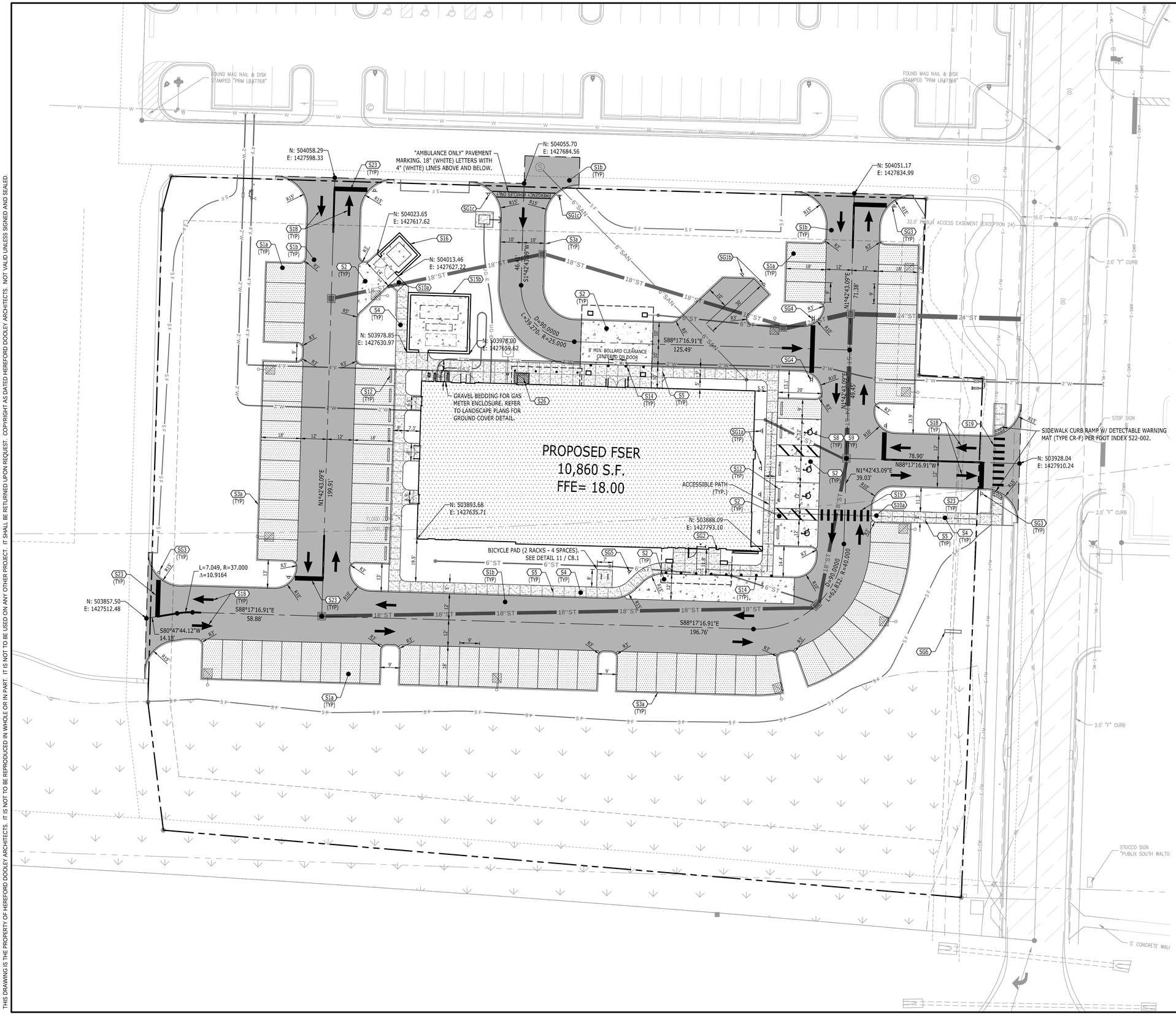
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DATES OF ISSUANCE
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SHEET TITLE: DEMOLITION PLAN

SHEET: C4.0

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LEGEND

BUILDING	
CONCRETE PAVEMENT	
CONCRETE SIDEWALK	
HEAVY DUTY PAVEMENT	
LIGHT DUTY PAVEMENT	
PAINTED STRIPE	
CONCRETE CURB	
CENTERLINE	
BUILDING SETBACK	
SILT FENCE	S F
ACCESSIBLE PATH	A.P.

SITE LAYOUT KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
S1a	ASPHALT PAVEMENT - LIGHT DUTY	1 / C8.0
S1b	ASPHALT PAVEMENT - HEAVY DUTY	1 / C8.0
S2	CONCRETE PAVEMENT	2 / C8.0
S3a	FDOT TYPE "D" CURB	FDOT INDEX 520-001
S4	CONCRETE SIDEWALK	5 / C8.0
S5	SIDEWALK JOINTS	6 / C8.0
S8	ACCESSIBLE SYMBOL	12 / C8.0
S9	ACCESSIBLE PARKING SPACE	9 / C8.0
S10a	SIDEWALK TRANSITION	8 / C8.1
S12	CONCRETE WHEELSTOP	11 / C8.0
S14	PRECAST CONCRETE BOLLARD 7" ON CENTER AT FLUSH CONDITION (COLOR TO BE SELECTED BY ARCH.)	WASAU MODEL TF6021
S16	DUMPSTER ENCLOSURE	SEE ARCH. PLANS
S15b	GENERATOR ENCLOSURE	SEE ARCH. PLANS
S18	DIRECTIONAL ARROWS	4 / C8.0
S19	PEDESTRIAN CROSSWALK	3 / C8.0
S23	PAINTED STOP BAR (24")	7 / C8.0
S26	DECONTAMINATION ROOM STRIPING	SEE ARCH. PLANS

SITE SIGNAGE KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
SG1a	ACCESSIBLE PARKING SIGN (FTP-20-06 & FTP-22-06)	8 / C8.0
SG1b	"AMBULANCE PARKING ONLY" SIGN	1/ C8.1
SG1c	"AUTHORIZED VEHICLES ONLY" SIGN	1/ C8.1
SG2	ACCESSIBLE PASSENGER LOADING/UNLOADING SIGN	2 / C8.1
SG3	"STOP" SIGN (R1-1)	1 / C8.1
SG4	"DO NOT ENTER" SIGN (R5-1) & "STOP" SIGN (R1-1) OTHER SIDE	1 / C8.1
SG5	SERVICE ANIMAL RELIEF AREA (SARA) SIGN	10 / C8.0
SG6	MONUMENT SIGN	SEE ARCH. PLANS
SG7	DIRECTIONAL POST SIGN	SEE ARCH. PLANS

NOTES

1. SEE SHEET C2.0 FOR GENERAL NOTES.

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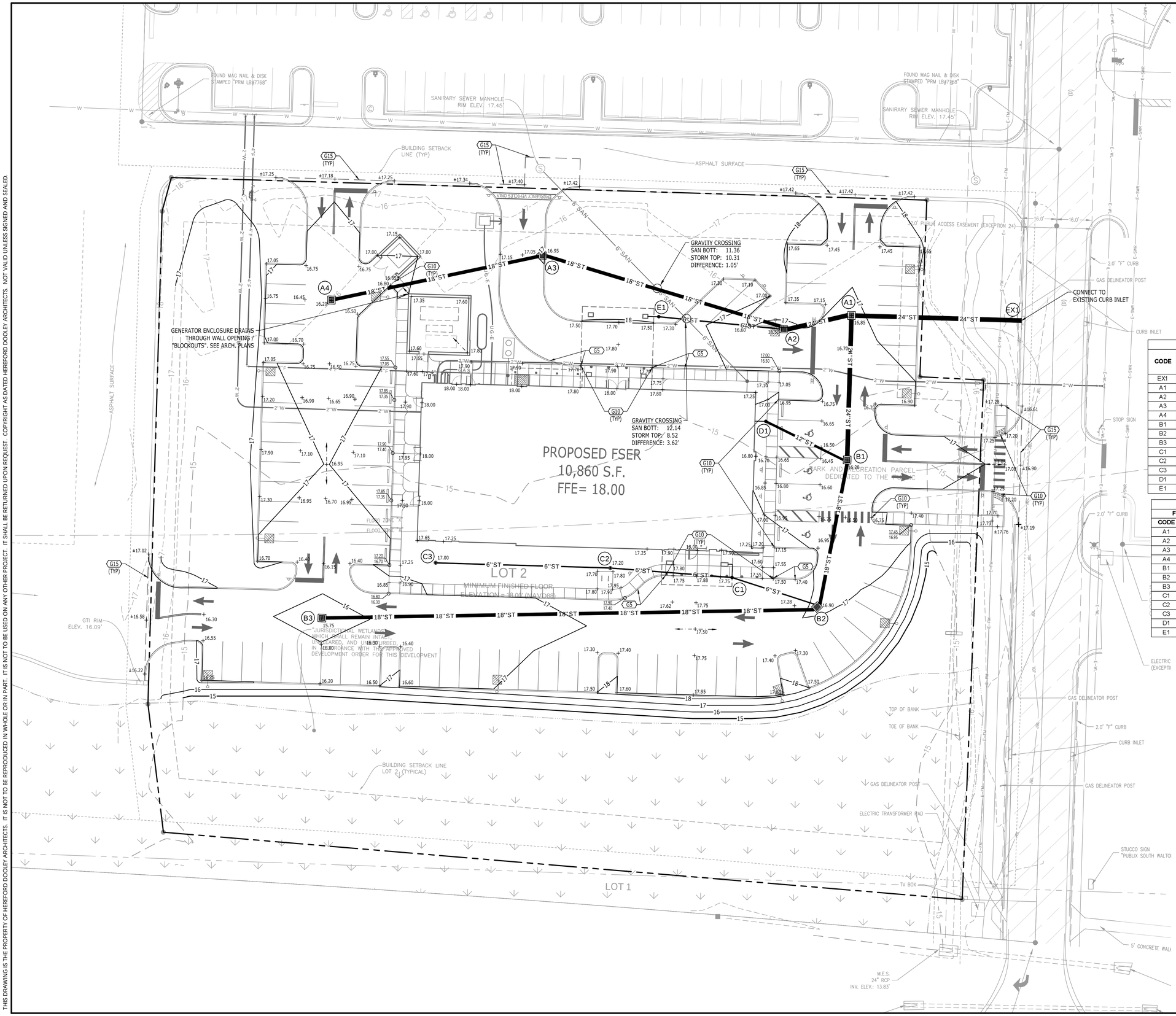
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TITLE: SITE LAYOUT PLAN

SHEET: C5.0

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GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION
G17	TRANSITION FROM FLUSH CONDITION TO 6" CURB OVER 15 FEET
G19	FLUSH CONDITION
G20	BUILDING CONNECTION. SEE PLUMBING PLANS.
G21	MATCH EXISTING GRADE

LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	+0.00
PROPOSED CONTOUR ELEV.	90
DRAINAGE STRUCTURE	C1
SILT FENCE	SF

NOTES

1. SEE SHEET C2.0 FOR GRADING & DRAINAGE NOTES.
2. ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).

PROPOSED DRAINAGE STRUCTURES

CODE	STRUCTURE		DEPTH	ELEVATION	
	DESCRIPTION	DETAIL		TOP OF GRATE	INVERT
EX1	EXISTING STRUCTURE	--	---	---	7.42
A1	TYPE F CATCH BASIN	FDOT INDEX 425-053	8.86	16.85	7.99
A2	TYPE 9 CURB INLET	FDOT INDEX 425-024	8.09	16.30	8.21
A3	TYPE 9 CURB INLET	FDOT INDEX 425-024	7.60	16.95	9.35
A4	TYPE F CATCH BASIN	FDOT INDEX 425-053	4.87	16.20	11.33
B1	TYPE F CATCH BASIN	FDOT INDEX 425-053	6.95	16.20	9.25
B2	TYPE F CATCH BASIN	FDOT INDEX 425-053	6.99	16.90	9.91
B3	TYPE F CATCH BASIN	FDOT INDEX 425-053	3.60	15.75	12.15
C1	CLEANOUT / ROOF DRAIN	4 / C8.1	6.64	17.75	11.11
C2	NDS DRAIN INLET	5 / C8.1	5.54	17.20	11.66
C3	NDS DRAIN INLET	5 / C8.1	4.56	17.00	12.44
D1	BUILDING CONNECTION	4 / C8.1	7.25	16.90	9.65
E1	CLEANOUT / ROOF DRAIN	4 / C8.1	9.03	17.80	8.77

PROPOSED STORM SEWER PIPE

FROM		TO		GRADE	DIAMETER (IN)	TYPE	LENGTH (L.F.)
CODE	INV.	CODE	INV.				
A1	7.99	EX1	7.42	0.75%	24	ADS HP STORM	76
A2	8.21	A1	7.99	0.75%	24	ADS HP STORM	29
A3	9.35	A2	8.21	1.00%	18	ADS HP STORM	114
A4	11.33	A3	9.35	2.00%	18	ADS HP STORM	99
B1	9.25	A1	7.99	2.00%	24	ADS HP STORM	63
B2	9.91	B1	9.25	1.00%	18	ADS HP STORM	66
B3	12.15	B2	9.91	1.00%	18	ADS HP STORM	224
C1	11.11	B2	9.91	3.00%	6	PVC	40
C2	11.66	C1	11.11	1.00%	6	PVC	55
C3	12.44	C2	11.66	1.00%	6	PVC	78
D1	9.65	B1	9.25	1.00%	12	PVC	40
E1	8.77	A2	8.21	1.00%	6	PVC	56

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TITLE: GRADING & DRAINAGE PLAN

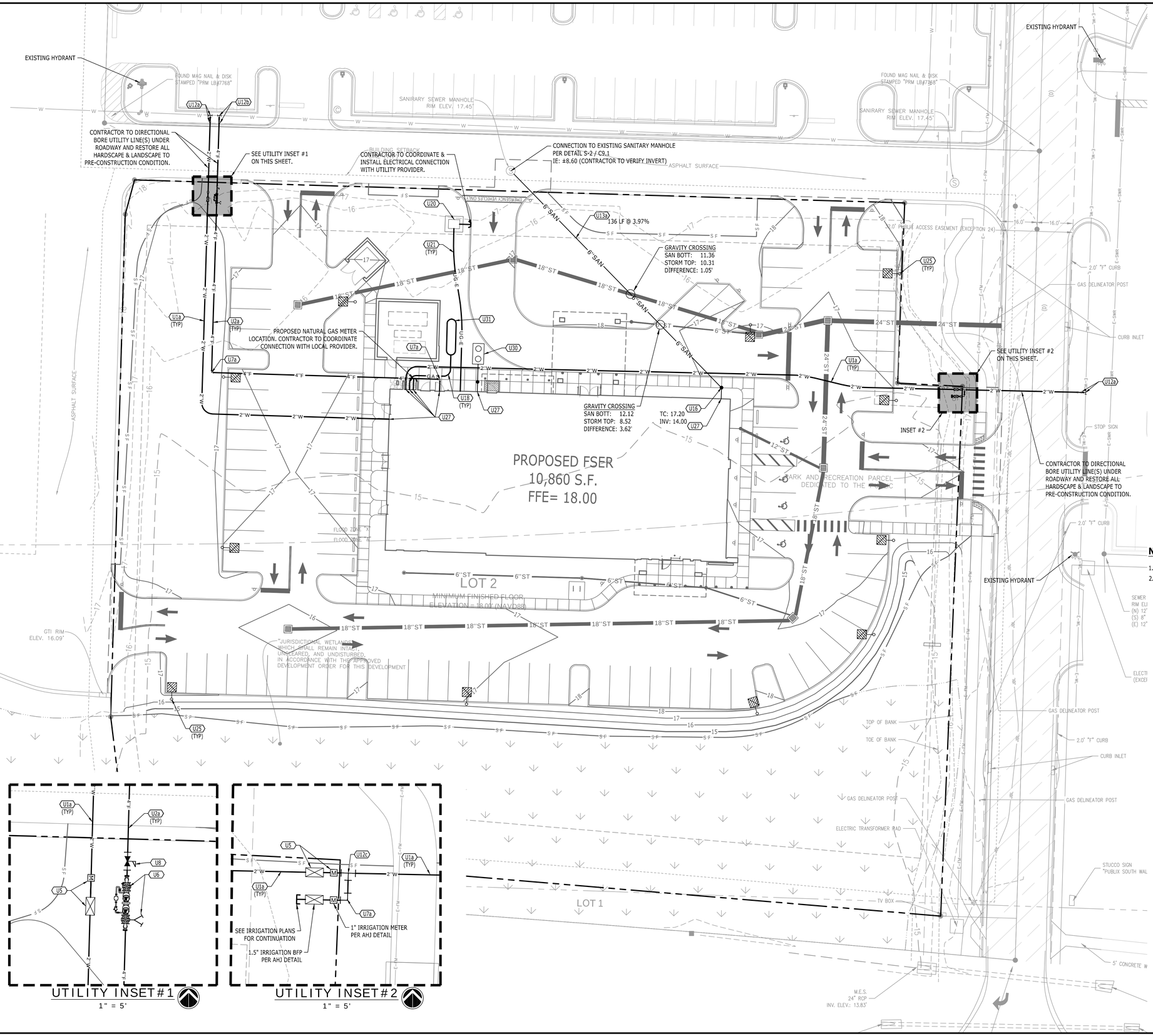
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UTILITY INSET #1
1" = 5'

UTILITY INSET #2
1" = 5'

UTILITY KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
U1a	2" PE WATER LINE	W-3 / C9.4
U2a	4" PVC FIRE LINE	W-3 / C9.4
U5	2" REDUCED PRESSURE BACKFLOW PREVENTER W/ 2" WATER METER	W-2 / C9.3
U6	4" DOUBLE DETECTOR CHECK VALVE ASSEMBLY W/ MOUNTED FDC	W-1 / C9.2
U7a	90 DEG. BEND (SEE LINE FOR SIZE)	W-3 / C9.4
U7b	45 DEG. BEND (SEE LINE FOR SIZE)	W-3 / C9.4
U8	POST INDICATOR VALVE	9 / C8.1
U11b	4" GATE VALVE	W-3 / C9.4
U11c	2" GATE VALVE	W-3 / C9.4
U12a	8" x 2" TAPPING SLEEVE & VALVE	W-1 / C9.2
U12b	8" x 4" TAPPING SLEEVE & VALVE	W-1 / C9.2
U12c	2" x 2" TEE	W-3 / C9.4
U13a	6" PVC SANITARY SEWER LINE	S-2 / C9.1
U16	SANITARY SEWER CLEANOUT	S-1 / C9.0
U18	UNDERGROUND GAS LINE	SEE MEP PLANS
U20	ELECTRIC TRANSFORMER	SEE MEP PLANS
U21	UNDERGROUND ELECTRIC LINE	SEE MEP PLANS
U25	SITE LIGHTING	SEE MEP PLANS
U27	BUILDING CONNECTION	SEE MEP PLANS
U30	DECONTAMINATION TANK (@1.0% MIN. FROM CONNECTION TO BUILDING)	SEE MEP PLANS FOR CONTINUATION & DETAIL
U31	UNDERGROUND PROPANE TANK	SEE MEP PLANS FOR CONTINUATION & DETAIL

LEGEND

DOMESTIC WATER SERVICE	W
FIRE SERVICE	F F
GAS LINE	GAS
RESTRAINED BEND	
CLEANOUT ON SANITARY SEWER LINE	
VALVE	
UNDERGROUND ELECTRIC	UG-E
SILT FENCE	S F

NOTES:

1. SEE SHEET C2.0, C9.0, & C9.2 FOR UTILITY NOTES.
2. THE SITE ELECTRICAL, GAS, TELECOM, & FIBER INFORMATION SHOWN ON THE CIVIL DRAWINGS IS INCLUDED AS A REFERENCE ONLY, AND IS NOT PART OF THE CIVIL SCOPE ISSUED FOR CONSTRUCTION IN THESE DOCUMENTS. ALL SITE ELECTRICAL & GAS COMPONENTS INCLUDING BUT NOT LIMITED TO TRANSFORMERS, SWITCH GEARS, TERMINATING CABINETS, BLAST/FIRE WALLS, GENERATORS AND PADS, SERVICE RISER POLES, DOWN-GUY WIRES, OVERHEAD SERVICE LINES AND UNDERGROUND CONDUITS / LINES ARE TO BE CONSTRUCTED PER PLANS DEVELOPED BY LOCAL UTILITY SERVICE PROVIDERS AND THE MEP ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION THAT ALL NECESSARY SITE ELECTRICAL COMPONENTS CAN BE INSTALLED IN RELATION TO ALL OTHER REQUIRED SITE FEATURES DEPICTED ON THE PLANS, AND SHALL NOTIFY THE CIVIL AND MEP ENGINEER SHOULD A CONFLICT ARISE.

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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/18/2025

DATES OF ISSUANCE: 12/18/2025 △

TITLE: UTILITY PLAN

SHEET: C7.0

P:\2025\2025195_Santa Rosa FSER\dwg\Construction\2025195_C8-0_DET.dwg-C8.0 Details Dec 15, 2025 ianderson
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INCLUDES:
-POLY DOGIPOT PET SIGN, WITH MOUNTING HARDWARE
-POLY DOGIPOT JUNIOR BAG DISPENSER (ITEM #1007-2), WITH MOUNTING HARDWARE
-TWO KEYS FOR DISPENSER BOTTOM LOCKING ACCESS TRAY / INSERT
-TWO ROLLS OF DOGIPOT LITTER PICK UP BAGS (ITEM #1402), INSTALLED IN DOGIPOT JUNIOR BAG DISPENSER
-10 GALLON POLY TRASH RECEPTACLE (ITEM #1208-L) WITH ATTACHABLE LID WITH MOUNTING HARDWARE
-ONE BOX DOGIPOT LINER TRASH BAGS (ITEM #1404)
-2" X 2" X 4' - 8' POLY TELESCOPIC MOUNTING POST, WITH INSTALLATION HARDWARE

(A) DOGIPOT PET SIGN (ITEM #1203 / 1204):
-H: 18" X W: 11.5"
-14 GAUGE REFLECTIVE ALUMINUM
-WEIGHT: 1.35 LBS
-FOREST GREEN ON WHITE

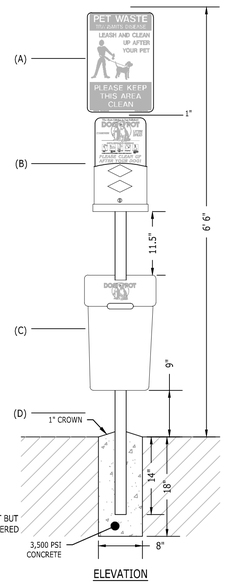
(B) POLY DOGIPOT JUNIOR BAG DISPENSER (ITEM #1007-2):
-H: 17" X W: 10" X D: 3"
-2.5 MM ABS / PP FOREST GREEN POLYETHYLENE
-WEIGHT: 5 LBS.
-400 BAG CAPACITY
-TWO DIAMOND BAG DISPENSER SLOTS
-BOTTOM LOCKING ACCESS TRAY / INSERT
-CLEARLY POSTED INSTRUCTIONS

(C) POLY TRASH RECEPTACLE WITH LID (ITEM #1208-L):
-H: 21" X W: 13" X D: 12"
-2.5 MM ABS / PP FOREST GREEN POLYETHYLENE
-WEIGHT: 4 LBS.
-10 GALLON CAPACITY
-ATTACHABLE HINGED LID (ITEM #1210-N)
-ONE BOX 50 COUNT DOGIPOT LINER TRASH BAGS (ITEM #1404) INCLUDED

(D) TELESCOPIC POLY MOUNTING POST (ITEM #1304):
-2" X 2" X 8'
-.125 GAUGE FIBERGLASS
-WEIGHT: 8 LBS.

HOLE:
-FILL WITH 40 LBS. "READY TO USE" CEMENT

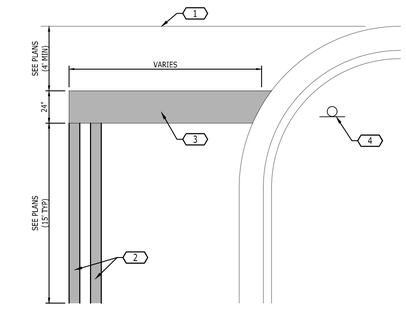
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 2635-010.



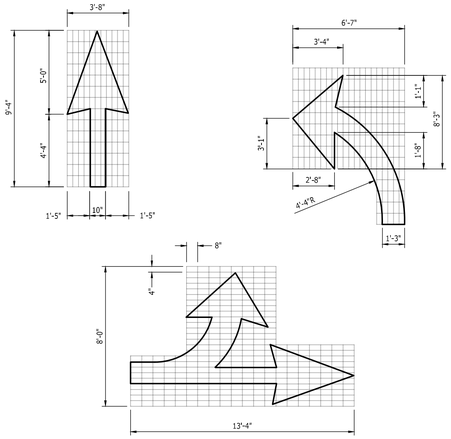
ELEVATION

10 SERVICE ANIMAL RELIEF AREA SIGN
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	STOP BAR PLACED 4 FEET BEFORE EDGE OF SIDEWALK/CROSSWALK
2	6" DOUBLE SOLID YELLOW LINE PER FDOT INDEX 711-001
3	WHITE REFLECTIVE PAINTED LINE; EXTEND TO EDGE OF GUTTER OR FACE OF CURBE
4	STOP SIGN

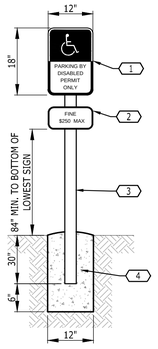


7 PAINTED STOP BAR
NOT TO SCALE



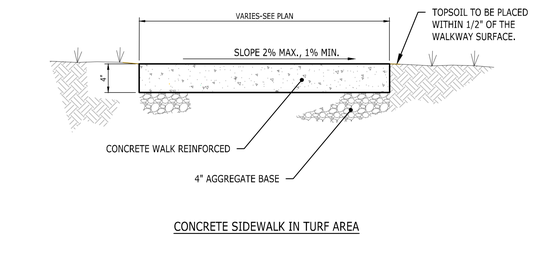
4 PAINTED DIRECTIONAL ARROWS
NOT TO SCALE

NOTE:
SIGNAGE SHALL COMPLY WITH THE MOST CURRENT AMERICANS WITH DSABILITIES ACT (A.D.A.) SIGNAGE GUIDELINES

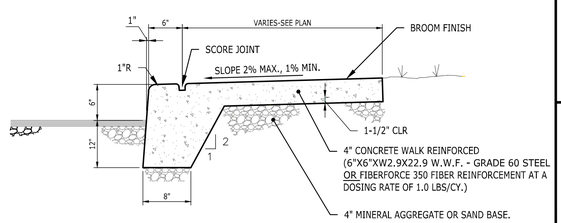


KEYNOTES	
CODE	DESCRIPTION
1	9 GA. SIGN BLANK WITH WITE BACKGROUND; ATTACH WITH THREE STAINLESS STEEL TAMPER-RESISTANT SCREWS (FTP-20-06 PER FDOT INDEX 700-102)
2	PENALTY PLATE; PROVIDE AT ALL ACCESSIBLE SPACES (FTP-22-06 PER FDOT INDEX 700-102)
3	2"x2" STEEL TUBE; CLOSE TUBE END AND GRIND SMOOTH; PAINT BLACK
4	3000 PSI CONCRETE BASE; CENTERED ON THE ACCESSIBLE PARKING SPACE

8 ACCESSIBLE PARKING SIGN
NOT TO SCALE



CONCRETE SIDEWALK IN TURF AREA



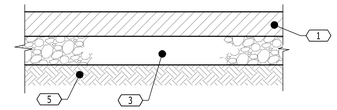
CONCRETE SIDEWALK AT TURN-DOWN CURB

NOTE:
SIDEWALK SECTION AND REINFORCEMENT WITHIN FDOT RIGHT-OF-WAY SHALL BE PER FDOT INDEX 522-001 AND FDOT STANDARD SPECIFICATION SECTION 522.

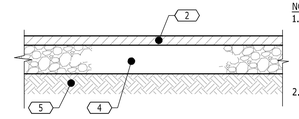
USE 3500 PSI CONCRETE; PROVIDE CONTROL JOINTS @ 5' CENTERS PROVIDE EXPANSION JOINTS @ 25' CENTERS AND WHERE SIDEWALKS ABUT RIGID MATERIAL

5 CONCRETE SIDEWALK
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	2.5" ASPHALTIC CONCRETE (SP-9.5)
2	1.5" ASPHALTIC CONCRETE (SP-9.5)
3	8" LIMEROCK OR CRUSHED CONCRETE BASE COURSE WITH A MINIMUM LBR OF 100 COMPACTED TO AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR (ASTM D1557)
4	6" LIMEROCK OR CRUSHED CONCRETE BASE COURSE WITH A MINIMUM LBR OF 100 COMPACTED TO AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR (ASTM D1557)
5	12" SUBGRADE - NATIVE SOIL OR STRUCTURAL FILL COMPACTED TO AT LEAST 98% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557. REFER TO SUBGRADE PREPARATION IN THE GEOTECHNICAL REPORT.



HEAVY DUTY PAVEMENT



LIGHT DUTY PAVEMENT

NOTE:
1. ON ALL EXISTING PAVEMENT REPAIR OR REPLACEMENT, USE THE PAVEMENT SECTIONS SHOWN OR MATCH THE EXISTING SECTION, WHICHEVER IS GREATER.
2. REFER TO GEOTECHNICAL REPORT FROM TERRACON (NO. HF255067) FOR ADDITIONAL INFORMATION ON ASPHALT PAVEMENT SECTIONS

1 ASPHALT PAVEMENT
NOT TO SCALE

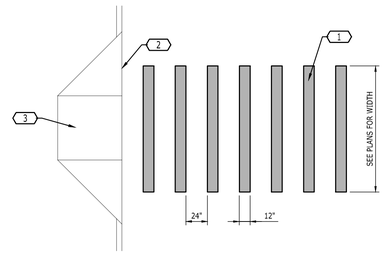


NOTE:
1. ON ALL EXISTING PAVEMENT REPAIR OR REPLACEMENT, USE THE PAVEMENT SECTIONS SHOWN OR MATCH THE EXISTING SECTION, WHICHEVER IS GREATER.
2. REFER TO GEOTECHNICAL REPORT FROM TERRACON (NO. HF255067) FOR ADDITIONAL INFORMATION ON CONCRETE PAVEMENT SECTIONS

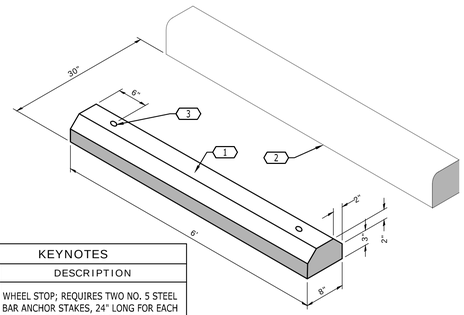
KEYNOTES	
CODE	DESCRIPTION
1	6.5" CONCRETE PAVEMENT (4000 PSI)
2	6"x6", W2.9xW2.9 W.W.F.; ASTM GRADE 60 STEEL OR FIBERFORCE 350 FIBER REINFORCEMENT AT A DOSING RATE OF 1.0 LBS/CY.
3	12" SUBGRADE - NATIVE SOIL OR STRUCTURAL FILL COMPACTED TO AT LEAST 98% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557. REFER TO SUBGRADE PREPARATION IN THE GEOTECHNICAL REPORT.

2 CONCRETE PAVEMENT
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	PEDESTRIAN CROSSWALK; MARKINGS SHALL BE SOLID WHITE PAINTED ON ASPHALT; PAINT 12" WIDE STRIPES AS INDICATED WITH PORTER "TRAFFIC WHITE" PAINT OR APPROVED EQUAL; CROSSWALK SHALL BE IN COMPLIANCE WITH ADAAG 403.3.
2	FACE OF CURB
3	ACCESSIBLE RAMP



3 PEDESTRIAN CROSSWALK
NOT TO SCALE

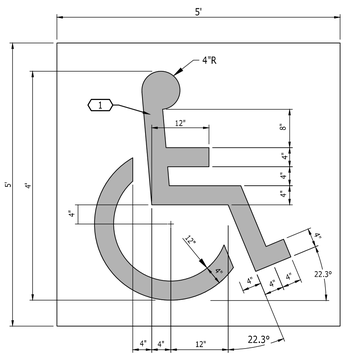


KEYNOTES	
CODE	DESCRIPTION
1	WHEEL STOP; REQUIRES TWO NO. 5 STEEL BAR ANCHOR STAKES, 24" LONG FOR EACH SECTION; EACH SECTION REINFORCED WITH TWO NO. 3 DEFORMED BARS. PAINT BLUE IN ADA PARKING AREAS.
2	FACE OF CURB OR EDGE OF PAVEMENT
3	1" DIA. HOLE (TYP.)

NOTE:
1. PAINT WHEELSTOPS BLUE IN ADA AREAS.

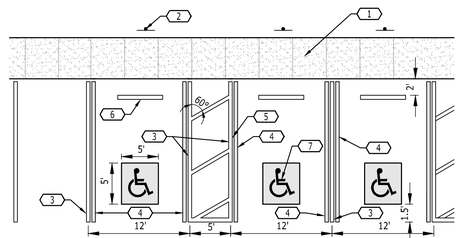
11 PRECAST CONCRETE WHEEL STOP
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	ACCESSIBLE SYMBOL; PAINT ON ALL ACCESSIBLE SPACES; SYMBOL SHALL BE PAINTED WHITE ON A BLUE BACKGROUND



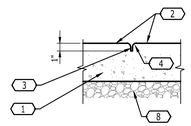
12 ACCESSIBLE SYMBOL
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	SIDEWALK FLUSH WITH PAVEMENT; MAX. 2% SLOPE IN ANY DIRECTION
2	ACCESSIBLE PARKING SIGN (TYP.); REFER TO DETAIL
3	6" WHITE STRIPE
4	6" BLUE STRIPE
5	5' WIDE SHARED ACCESS AISLE WITH 3 - 6" WHITE EQUALLY SPACED DIAGONAL STRIPES; REFER TO PLANS FOR LOCATIONS
6	PRECAST CONCRETE WHEELSTOP PAINTED BLUE (TYP.); REFER TO DETAIL
7	PAINTED ACCESSIBLE SYMBOL; REFER TO DETAIL
	NOTE: MAX. 2% SLOPE IN ANY DIRECTION FOR ADA PARKING SPACES AND ACCESS AISLES

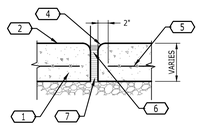


9 ACCESSIBLE PARKING (FLORIDA)
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE SIDEWALK
2	BROOM FINISH
3	1/4" HAND-GROOVED JOINT
4	TOOLED EDGE; 1/4" RADIUS (TYP.)
5	CONCRETE REINFORCEMENT; 6"x6"xW2.9x22.9 W.W.F.; GRADE 60 STEEL
6	POLYURETHANE SELANT
7	1/4" PREMOLDED EXPANSION JOINT MATERIAL
8	MINERAL AGGREGATE BASE (TYP.)



CONTROL JOINT



EXPANSION JOINT

6 SIDEWALK JOINTS
NOT TO SCALE

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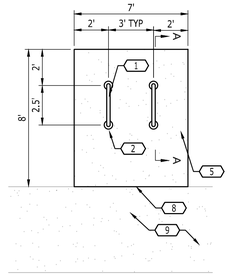
DATES OF ISSUANCE: 12/18/2025 △

TITLE: DETAILS

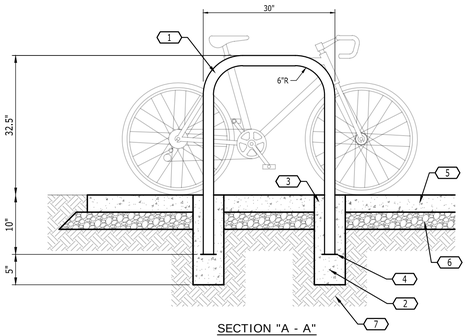
SHEET: C8.0

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KEYNOTES	
CODE	DESCRIPTION
1	BICYCLE RACK; 2.375" DIA. STEEL TUBING; COVER PORTION ABOVE GRADE WITH BLACK PVC COATING 1/16" THICK; PVC COATING IS NOT REQUIRED IF STAINLESS STEEL IS USED; OTHER RACK/FIXTURE TYPES MAY BE USED WITH THE ENGINEER'S PRIOR APPROVAL
2	CONCRETE FOOTING; 3500 PSI
3	6" DIA. HOLE FORMED OR CORED IN CONCRETE PAVEMENT
4	3"x3"x1/4" STEEL PLATE WELDED TO END OF TUBING
5	CONCRETE PAVEMENT; MATCH SIDEWALK SECTION (4" DEPTH WITH 6"x6"xW2.9xW2.9 W.W.F.)
6	4" AGGREGATE BASE
7	UNDISTURBED OR COMPACTED SUBGRADE
8	1/2" EXPANSION JOINT
9	ADJACENT SIDEWALK OR PARKING LOT



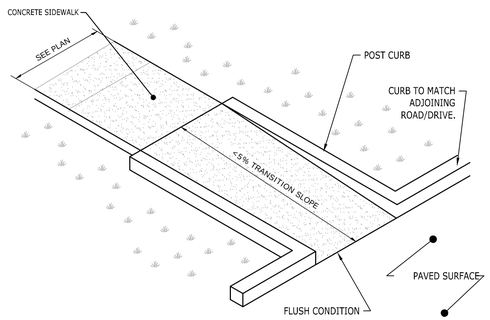
PLAN VIEW

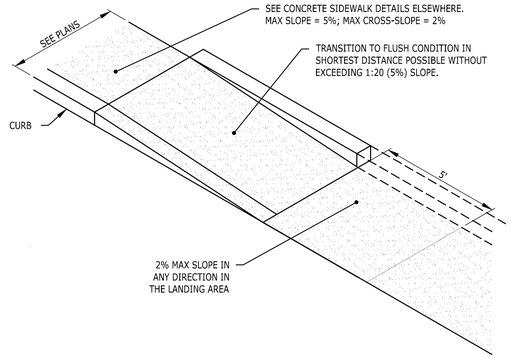


SECTION "A - A"

11 BICYCLE RACK WITH PAD

NOT TO SCALE

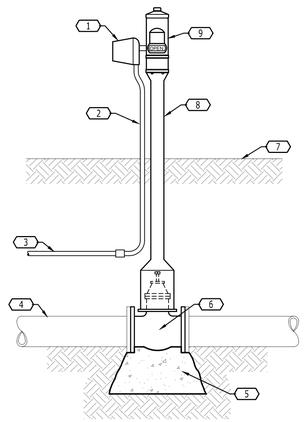




8 SIDEWALK TRANSITION

NOT TO SCALE

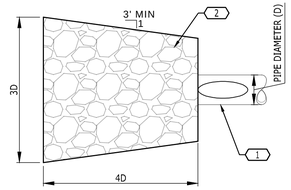
KEYNOTES	
CODE	DESCRIPTION
1	WEATHERPROOF, TAMPER-PROOF SENSOR HOUSING
2	RIGID CONDUIT ABOVE GRADE. SIZE PER SWITCH MANUFACTURER'S RECOMMENDATIONS.
3	PVC CONDUIT ALLOWED BELOW GRADE
4	FIRE MAIN. SEE PLANS FOR PIPE SIZE AND LOCATION.
5	CONCRETE THRUST BLOCK
6	VALVE. SEE SPECIFICATIONS FOR SIZE AND TYPE.
7	FINISHED GRADE
8	ADJUSTABLE CAST IRON VALVE BOX SLEEVE
9	POST INDICATOR VALVE. SEE SPEC'S.



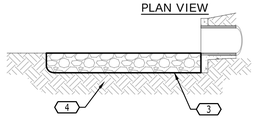
9 POST INDICATOR VALVE

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	MITERED END SECTION PER FDOT INDEX 430-021
2	RIP-RAP PER FDOT SPEC. SECTION 530
3	TYPE D2 GEOTEXTILE FABRIC PER FDOT SPEC. 514
4	12" BEDDING STONE PER FDOT SPEC. SECTION 530



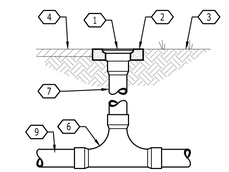
PLAN VIEW



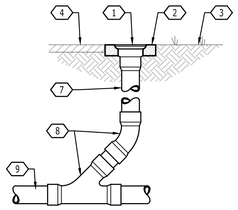
SECTION

12 RIP-RAP AT MITERED END SECTION

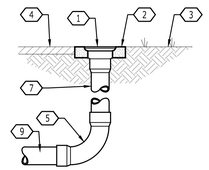
NOT TO SCALE



TWO-WAY



ONE-WAY



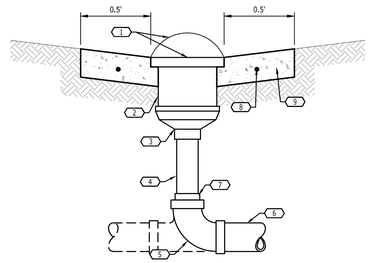
END-OF-LINE

KEYNOTES	
CODE	DESCRIPTION
1	CLEANOUT WITH COVER; BRONZE OR PVC CLEANOUT WITH RECESSED CAP IN LAWN AREAS. CAST IRON CLEANOUT WITH RECESSED CAP IN PAVEMENT AREAS. BRONZE CAP TO BE USED IN SIDEWALKS.
2	18"x18"x4" CONCRETE COLLAR
3	FINISHED GRADE
4	ASPHALT
5	LONG SWEEP 1/4 BEND. INSTALL REDUCER WHERE REQUIRED.
6	SANITARY TEE
7	EXTENSION SAME SIZE AS SEWER, TO 6' MAX. DIAMETER
8	COMBINATION WYE AND 1/8 BEND. USE REDUCING TYPE WHERE REQUIRED.
9	SEE PLANS FOR SEWER MATERIAL AND SIZE.

4 CLEANOUTS

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	NDS 1211 GRATE (FOR TURF APPLICATIONS) OR NDS 1281 GRATE (FOR MULCH APPLICATIONS)
2	NDS 1216 RISER BOX
3	NDS 1230 HUB ADAPTOR
4	6" PVC, LENGTH AS REQ'D
5	8" PVC ELL OR TEE
6	8" PVC STORM PIPE
7	8" X 6" PVC REDUCER. MAY BE OMITTED IF REDUCING TEE IS USED.
8	No. 4 BAR, CONT.
9	4" THICK CONCRETE COLLAR (TURF APPLICATIONS ONLY)



5 12" NDS DRAIN INLET

NOT TO SCALE

6 RESERVED

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	R1-1 STOP SIGN (30" X 30"). PROVIDE 36" X 36" SIGN ALONG & WITHIN FDOT RIGHT-OF-WAY.
2	2" SQUARE GALVANIZED STEEL TUBE. PROVIDE WELDED CAP AT TOP AND GRIND WELDS SMOOTH.
3	CONCRETE FOOTING
NOTE: SIGN SHALL BE LOCATED 3' FROM THE EDGE OF THE PAVEMENT UNLESS SUCH PLACEMENT WOULD OBSTRUCT THE SIDEWALK.	



AMBULANCE PARKING ONLY (12"x18")



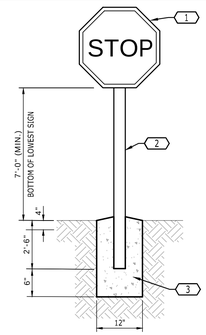
R5-1 DO NOT ENTER



R3-5R RIGHT TURN ONLY



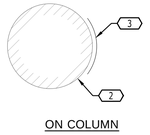
R5-11 AUTHORIZED VEHICLES ONLY



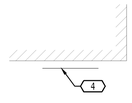
1 STOP SIGN

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	12"x18" REFLECTIVE ALUMINUM SIGN; USE ITEM No. G-66RA5 BY GR500 A DIVISION OF U.S. SIGNCRAFTERS (1-800-659-6319), (www.ussigncrafters.com)
2	COLUMN
3	MOUNT SIGN TO COLUMN WITH CENTER OF SIGN 60" ABOVE FINISH GRADE; FASTEN SIGN AT EACH CORNER TO ASSURE FLUSH INSTALLATION
4	MOUNT SIGN TO BUILDING WITH CENTER OF SIGN 60" ABOVE FINISH GRADE; FASTEN SIGN AT EACH CORNER TO ASSURE FLUSH INSTALLATION.
NOTE: WHERE NECESSARY, THE ACCESSIBLE LOADING SIGN MAY BE POST-MOUNTED IN A MANNER SIMILAR TO THE ACCESSIBLE PARKING SIGN DETAIL.	



ON COLUMN



ON BUILDING



SIGN DETAIL

2 PASSENGER LOADING SIGN

NOT TO SCALE

3 RESERVED

NOT TO SCALE

HEREFORD · DOOLEY
A R C H I T E C T S
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

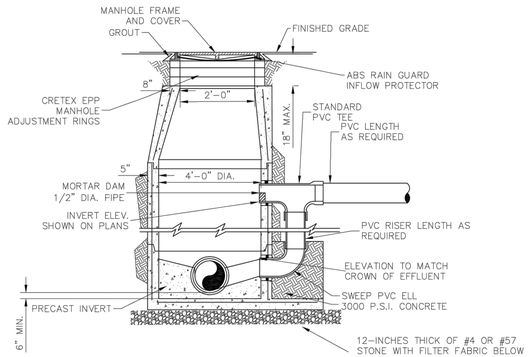
STATUS
CONSTRUCTION DOCUMENTS

IAN BRICE ANDERSON
LICENSE
No. 87145
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/18/2025

DATES OF ISSUANCE
12/18/2025

TITLE
DETAILS

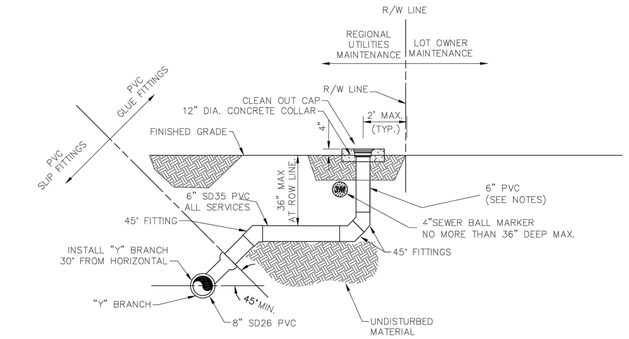
SHEET
C8.1



SECTION VIEW

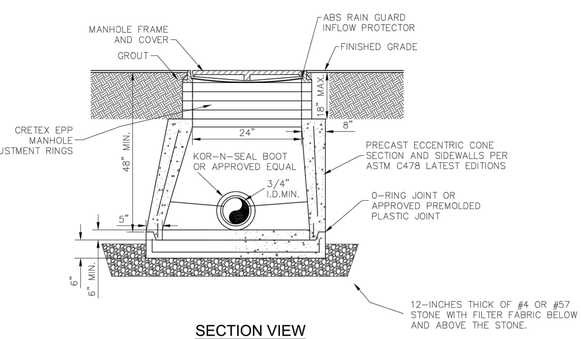
1 SANITARY SEWER DROP MANHOLE

N.T.S. (8"–21" SEWERS)



2 6" SANITARY SEWER SERVICE LATERAL

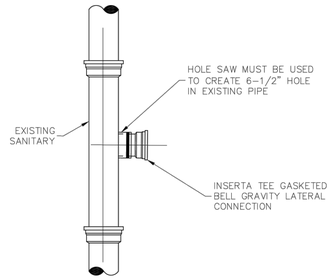
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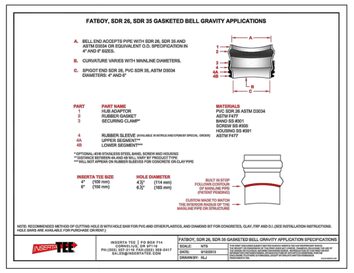


SECTION VIEW

3 SANITARY SEWER SHALLOW DEPTH MANHOLE

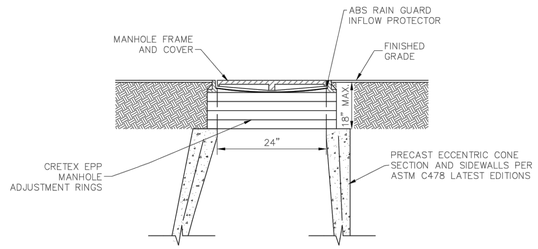
N.T.S. (8"–21" SEWERS)





4 SANITARY SEWER SERVICE TO EXISTING GRAVITY LINE CONNECTION DETAILS

N.T.S.



SECTION VIEW

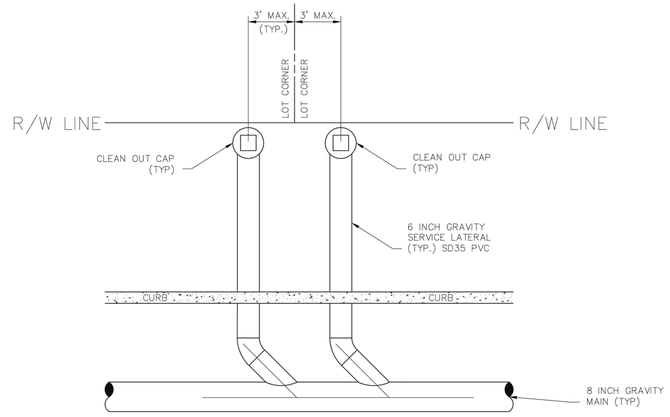
NOTES

1. CRETEX EXPANDED POLY PROPYLENE MANHOLE ADJUSTMENT RINGS, TO BE INSTALLED ON ALL MANHOLES WHERE RISERS ARE NECESSARY. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. AN ABS RAIN GUARD INFLOW PROTECTOR SHALL BE INSTALLED IN ALL MANHOLE RING AND COVERS.

5 TYPICAL MANHOLE RISER DETAIL

N.T.S.

APPROVED FOR 2025



6 TYPICAL GRAVITY SEWER SERVICE LOT PLACEMENT

N.T.S.

GENERAL NOTES:

1. REFER TO REGIONAL UTILITIES' LATEST WRITTEN SPECIFICATIONS REGARDING NEW TESTING PROCEDURES FOR GRAVITY SEWER SYSTEMS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MEETING THE REQUIREMENTS OF REGIONAL UTILITIES STANDARD DETAILS AND SPECIFICATIONS LATEST EDITION.
3. DEVELOPERS OF PRIVATE PROJECTS SHALL PROVIDE ALL WETLANDS PERMITS NECESSARY FOR UTILITY CONSTRUCTION.
4. ALL MANHOLES SHALL HAVE FINAL PAVEMENT AROUND THEM FOR PROTECTION PRIOR TO ACCEPTANCE BY REGIONAL UTILITIES.
5. ALL SEWER MAINS SHALL BE COVERED TO FINISH GRADING FOR PROTECTION PRIOR TO ACCEPTANCE BY REGIONAL UTILITIES.
6. ALL MANHOLES SHALL HAVE NON–STEEL STEPS INSTALLED.
7. 90° FITTINGS SHALL NOT BE USED IN GRAVITY SEWER SYSTEMS.

SANITARY SEWER GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE INSTALLATION OF SANITARY SEWERS WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
2. VIDEO INSPECTION IS REQUIRED FOR ALL GRAVITY SEWER LINES AND LATERALS PRIOR TO PAVING BUT AFTER ALL OTHER UTILITIES HAVE BEEN INSTALLED. A FULL REPORT SHALL BE GIVEN TO REGIONAL UTILITIES UPON COMPLETION. COST OF VIDEO INSPECTION SHALL BE DONE BY THE CONTRACTOR. REFER TO SECTION 7 OF REGIONAL UTILITIES' DESIGN AND CONSTRUCTION SPECIFICATIONS.
3. NO SANITARY SEWER CONSTRUCTION SHALL COMMENCE UNTIL SHOP DRAWING SUBMITTALS HAVE BEEN APPROVED.
4. A PRE–CONSTRUCTION CONFERENCE IS REQUIRED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY REGIONAL UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A REGIONAL UTILITIES REPRESENTATIVE MUST WITNESS ALL TIES TO EXISTING LINES AND TESTS OF NEW LINES.
5. ENGINEER SHALL PROVIDE AS–BUILT DRAWINGS IN ACCORDANCE WITH REGIONAL UTILITIES SPECIFICATIONS.
6. LOCATOR BALLS AS MANUFACTURED BY 3M PART NO. 1404 TO BE PLACED ON NORTH SIDE OF ALL MANHOLES NOT WITHIN PAVED AREAS. MANHOLES OUTSIDE OF PAVED AREAS SHALL BE CONSTRUCTED WITH TOP 6" ABOVE GRADE.
7. ALL GRAVITY SEWER SHALL BE VISUALLY INSPECTED BY REGIONAL UTILITIES PRIOR TO FINAL ACCEPTANCE.
8. ALL MECHANICAL JOINT CONNECTIONS SHALL BE RESTRAINED USING MEGA–LUG TYPE RESTRAINTS OR APPROVED EQUAL.
9. MIN. SERVICE SLOPE: 6" = 1/8" PER FOOT.
10. USE 6" SERVICES FOR ALL SINGLE FAMILY HOME CONNECTIONS. USE 6" SERVICES FOR MULTI–FAMILY AND COMMERCIAL CONNECTIONS.
11. A 4" BALL MARKER AS MANUFACTURED BY 3M PART NO. 1404 SHALL BE PLACED AT ALL CLEANOUT LOCATIONS NO DEEPER THAN 36–INCHES.
12. LOCATIONS OF SERVICE STUB TO BE MARKED BY THE LETTER "S" SCRIBED A MINIMUM OF 2" HIGH & 1/4" DEEP IN CURB.
13. IF NO CURBING IS INSTALLED A "3" SQUARE STEEL TAG INSCRIBED WITH A 2" LETTER "S" IS TO BE ATTACHED TO STREET PAVEMENT.
14. SERVICE TRENCHING TO CONFORM TO CITY/COUNTY STANDARDS FOR PIPE INSTALLATION.
15. USE HYDRAULIC CEMENT GROUT TO SEAL INTERIOR AND EXTERIOR OF ALL PRECAST MANHOLE JOINTS.
16. ALL GRAVITY SEWER MAINS AND SEWER SERVICES SHALL BE CONSTRUCTED OF P401 COATED DUCTILE IRON PIPE WHERE COVER IS LESS THAN 30 INCHES UNDER PAVEMENT OR LESS THAN 18 INCHES IN GREEN AREAS.
17. EXTERNAL DROP TYPE MANHOLES ARE REQUIRED WHERE MANHOLE INVERT ELEVATIONS VARY BY OVER 12–INCHES.
18. MANHOLE TOPS IN GREEN AREAS SHALL BE ELEVATED NO LESS THAN 6–INCHES ABOVE FINAL GRADE TO PROHIBIT STORM WATER ENTRY.
19. SEWER SERVICES SHALL BE CONSTRUCTED AT THE LOWER SIDE OF LOTS AS MAY BE APPLICABLE.
20. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH REGIONAL UTILITIES WRITTEN SPECIFICATIONS, LATEST EDITION.
21. A RAIN GUARD INFLOW PROTECTOR CONSTRUCTED OF ABS MATERIAL SHALL BE INSTALLED ON EVERY MANHOLE TO HELP PREVENT STORM WATER INFLOW.
22. A MANHOLE SHALL BE REQUIRED WHERE ANY 8" SEWER LATERAL CONNECTS TO AN 8" GRAVITY SEWER MAIN.
23. GRAVITY SEWER LATERAL TEE–WYE SHALL ENTER THE GRAVITY SEWER MAIN AT NO LESS THAN A 45° ANGLE.
24. WHERE A SEWER FORCE MAIN ENTERS A WET WELL THAT IS ALSO CONNECTED TO A GRAVITY SEWER SYSTEM, NO LESS THAN TWO MANHOLES UPSTREAM OF THE WET WELL, OR ANY MANHOLE WITHIN 400–FEET OF THE WET WELL SHALL BE LINED WITH THE EPOXY COATING PER REGIONAL SPECIFICATION 9.3.2.13.
25. PRIOR TO A FINAL INSPECTION, ALL LOT CORNERS SHALL BE STAKED BY THE SURVEYOR. INSPECTOR WILL NOT PERFORM FINAL INSPECTION IF STAKING IS INCOMPLETE.

NO.	DATE	APPR.	REVISION

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES CORPORATION OF WALTON COUNTY INC.
4432 HWY 98 EAST
Santa Rosa Beach, FL 32459
Phone: (850) 231–5114
Fax: (850) 231–4924

PROJECT NAME:

SHEET TITLE: SANITARY SEWER STANDARD DETAILS

SEAL:

DRAWN BY:	CHECKED BY:
RT	RAD

PROJECT NO.: 000–000
DRAWING SCALE: N.T.S.
PLOT DATE:
SHEET NO. 1 OF 2
SHEET. S–1

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11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

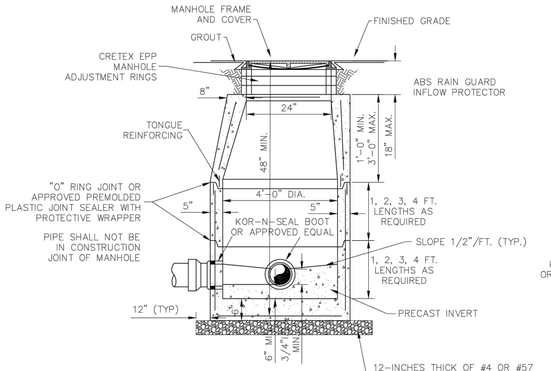
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DATES OF ISSUANCE: 12/18/2025 △

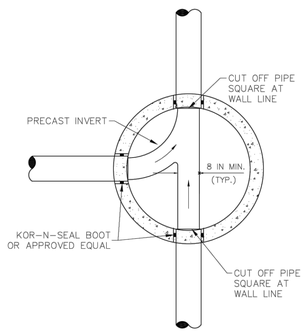
SHEET TITLE: COUNTY DETAILS

SHEET: C9.0

P:\2025\20250195_Santa Rosa FSER\dwg\Construction\20250195_C9-0_AH3.dwg-C9.0 County Details Dec 15, 2025 janderson
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SECTION VIEW



PLAN VIEW

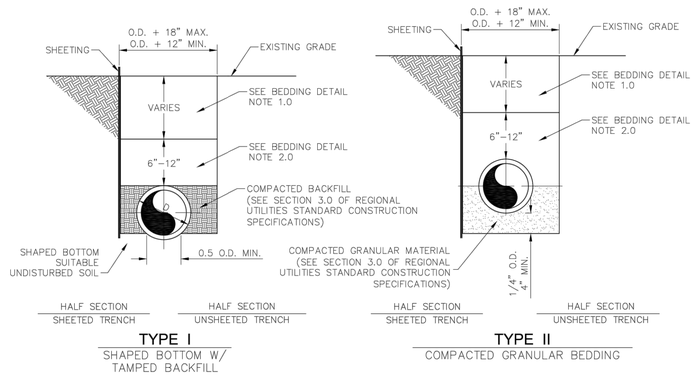
NOTES

1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH LATEST EDITION OF ASTM C 478 WITH 4,000 LB. CONCRETE, TYPE II CEMENT.
2. THE INTERIOR AND EXTERIOR OF MANHOLE SHALL BE GIVEN TWO COATS OF FABERTITE BITUMINOUS WATERPROOFING MATERIAL, DO NOT COAT JOINT OF PIPE OPENING SURFACES.
3. STEPS ARE REQUIRED FOR ALL MANHOLES.

NOTE: MANHOLE FRAME AND COVER SHALL BE U.S. FOUNDRY E-170 OR EQUIVALENT.

1 SANITARY SEWER STANDARD MANHOLE

N.T.S. (8"-21" SEWERS)



BEDDING DETAIL NOTES:

1.0 THE BACKFILL TO A POINT TWELVE (12) INCHES ABOVE THE PIPE SHALL BE PLACED BY HAND AND SHALL BE CAREFULLY SELECTED MATERIAL FREE FROM ROCKS, BOULDERS, CLODS, ORGANIC MATERIAL, OR OTHER DEBRIS AND LIGHTLY COMPACTED PRIOR TO PLACING REMAINING BACKFILL. THE BALANCE OF THE BACKFILL MAY BE PLACED IN THE DITCH BY HAND OR BY MECHANICAL EQUIPMENT. NO BACKFILL SHALL BE DROPPED DIRECTLY ONTO EXPOSED PIPE.

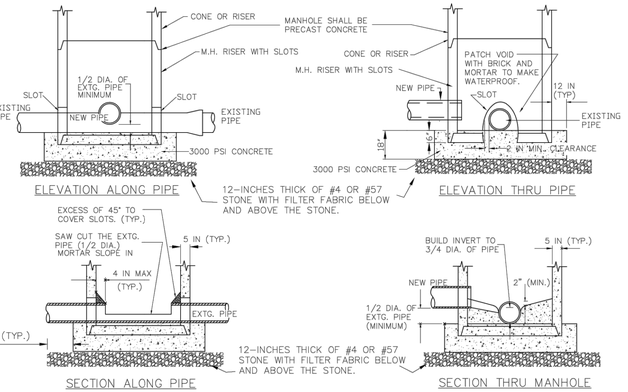
2.0 CONTRACTOR SHALL EMPLOY AN EXCAVATOR-MOUNTED TRENCH ROLLER OR OTHER MECHANICAL COMPACTION EQUIPMENT TO PROVIDE BACKFILL DENSITIES OF 95% OR GREATER AT ±2% OPTIMUM MOISTURE CONTENT. SURFACE FLOODING AND WATER JETTING OF BACKFILL SHALL NOT BE PERMITTED FOR BACKFILL CONSOLIDATION.

3.0 ALL BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 3.0 OF REGIONAL UTILITIES CONSTRUCTION SPECIFICATIONS

4.0 PIPE COVER SHALL NOT BE LESS THAN 36 INCHES, NOR GREATER THAN 48 INCHES EXCEPT WHERE SPECIFICALLY SHOWN ON THE CONSTRUCTION DRAWINGS AND APPROVED BY REGIONAL UTILITIES.

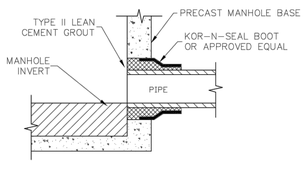
2 TYPICAL BEDDING DETAIL

N.T.S.



3 DOGHOUSE MANHOLE

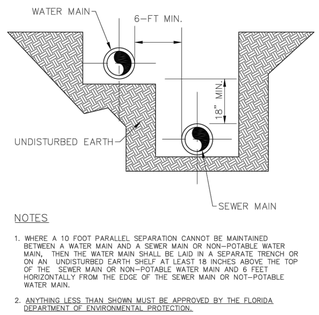
N.T.S. (8"-21" SEWERS)



4 PRECAST MANHOLE PIPE CONNECTIONS

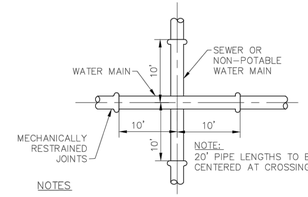
N.T.S.

NOTES:
1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH LATEST EDITIONS OF ASTM C-478 WITH 4,000 LB. CONCRETE, TYPE II CEMENT.
2. THE INTERIOR AND EXTERIOR OF MANHOLE SHALL BE GIVEN TWO COATS OF FABERTITE BITUMINOUS WATERPROOFING MATERIAL, DO NOT COAT JOINT OR PIPE OPENING SURFACES.
3. MANHOLE FRAME AND COVER SHALL BE U.S. FOUNDRY E-170 OR EQUIVALENT.
4. ALL GREASE INTERCEPTORS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CHAPTER 10 OF THE 2004 FLORIDA BUILDING CODE, PLUMBING SECTION.



NOTES

1. WHERE A 10 FOOT PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN OR NON-POTABLE WATER MAIN AND 6 FEET HORIZONTALLY FROM THE EDGE OF THE SEWER MAIN OR NOT-POTABLE WATER MAIN.
2. ANYTHING LESS THAN SHOWN MUST BE APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.



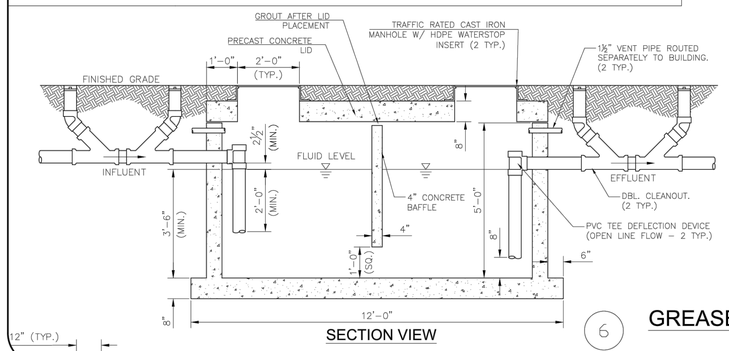
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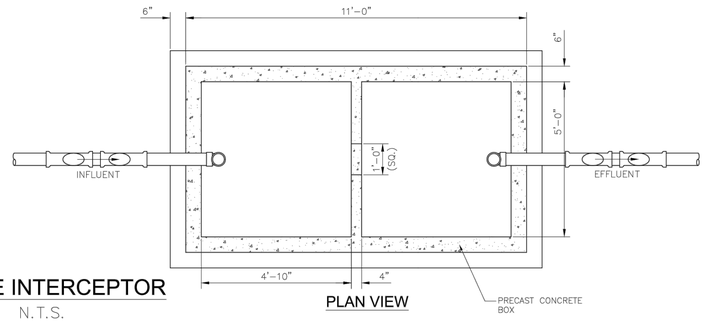
1. WHERE A 18 INCH VERTICAL SEPARATION DISTANCE CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN CROSSING THEN THE WATER MAIN SHALL PASS OVER THE SEWER MAIN OR NON-POTABLE WATER MAIN WITH A MINIMUM VERTICAL CLEARANCE OF 12 INCHES. THE SEWER OR NON-POTABLE WATER MAIN SHALL BE 20 FEET OF 6" CONCRETE ENCASEMENT CENTERED ON THE POINT OF CROSSING AND THE WATER MAIN SHALL BE 20 FEET OF 6" CONCRETE ENCASEMENT CENTERED ON THE POINT OF CROSSING. CONCRETE ENCASEMENT SHALL BE POURED SEPARATELY FOR EACH PIPE.
2. ANYTHING LESS THAN SHOWN MUST BE APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

5 WATER/SEWER SEPARATION DETAIL

N.T.S.

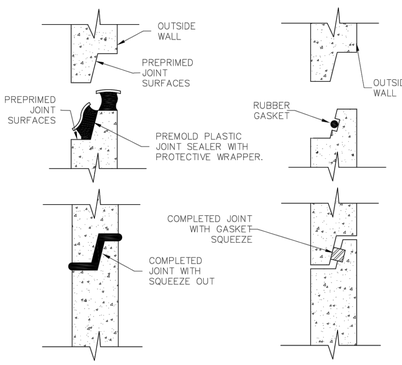
APPROVED FOR 2025





6 GREASE INTERCEPTOR

N.T.S.



NOTE:
USE HYDRAULIC CEMENT GROUT INSIDE AND OUT AT JOINTS AND COAT WITH TWO COATS OF FABERTITE BITUMINOUS WATER PROOFING MATERIAL.

7 TYPICAL MANHOLE JOINT DETAIL

N.T.S.

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NO.	DATE	APPR.	REVISION

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES CORPORATION OF WALTON COUNTY INC.
4432 HWY 98 EAST
Santa Rosa Beach, FL 32459
Phone: (850) 231-5114
Fax: (850) 231-4924

PROJECT NAME: SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

SHEET TITLE: SANITARY SEWER STAND DETAILS

SEAL:

DRAWN BY:	CHECKED BY:
RT	RAD

PROJECT NO.: 000-000
DRAWING SCALE: N.T.S.
PLOT DATE:
SHEET NO. 2 OF 2
SHEET. S-2

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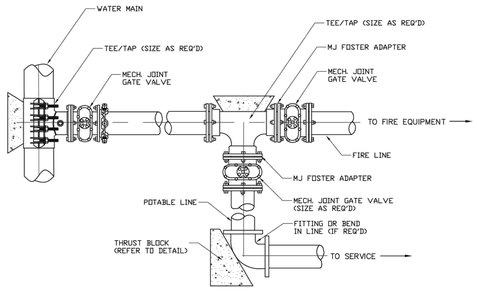
PROJECT # 225014.00

STATUS: CONSTRUCTION DOCUMENTS

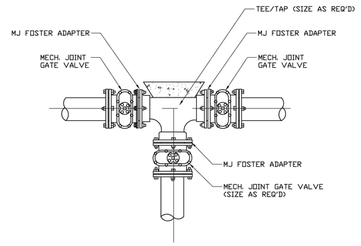
DATES OF ISSUANCE: 12/18/2025

TITLE: COUNTY DETAILS

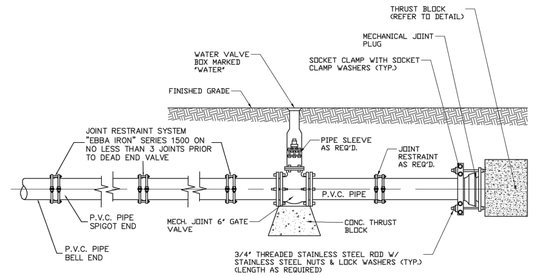
SHEET: C9.1



1 CONNECTION FOR FIRE AND WATER SERVICE
(FOR BORED WATER MAIN SITUATIONS ONLY)
N.T.S.

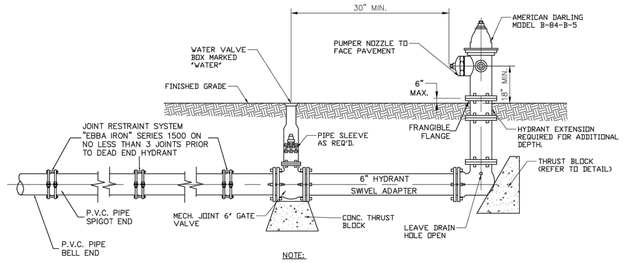


2 3-WAY VALVE ASSEMBLY
N.T.S.



NOTE:
ALL PIPE & FITTINGS SHOWN VARY IN SIZE.

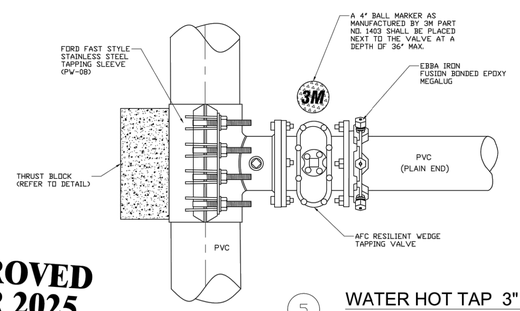
3 DEAD END STUB OUT
N.T.S.



NOTE:
ALL PIPE & FITTINGS SHOWN VARY IN SIZE.

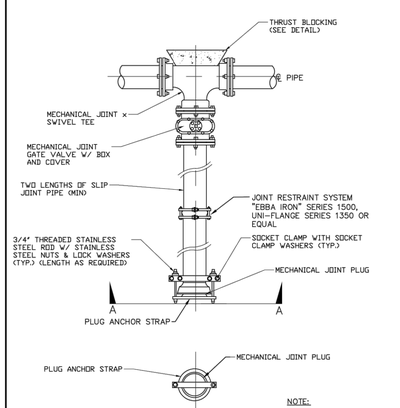
4 DEAD END FIRE HYDRANT INSTALLATION
N.T.S.

APPROVED FOR 2025



NOTES:
1. THE EDGE OF THE TAPPING SLEEVE SHALL BE AT LEAST 24" FROM THE BELL END OF THE PIPE
2. TAPPING SLEEVE SHALL BE PRESSURE TESTED AT 150 PSI FOR A MINIMUM OF 15 MINUTES. TEST SHALL BE WITNESSED BY REGIONAL UTILITIES
3. RESTRAINTS REQUIRED ON AT LEAST TWO BELLS OR 40', WHICHEVER IS GREATER, DOWNSTREAM OF TAPPING VALVE.

5 WATER HOT TAP 3" AND LARGER
N.T.S.

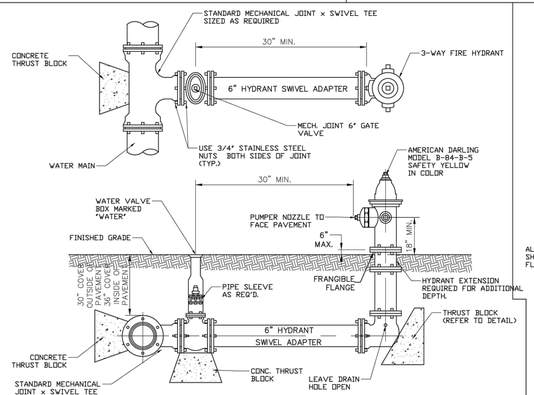


SECTION "A–A"

NOTE:
ALL PIPE & FITTINGS SHOWN VARY IN SIZE.

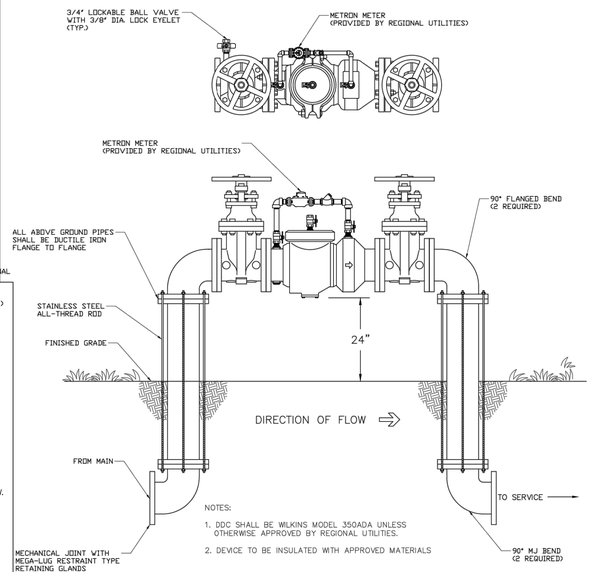
NOTES:
1. IN A STRAIGHT RUN DEAD END INSTALLATION THE VALVE SHALL BE TIED TO THE NEXT UPSTREAM PIPE JOINT WITH SOCKET CLAMP AND TIE-RODS.
2. ALL MECHANICAL JOINTS TO USE RESTRAINT TYPE RETAINER GLANDS.
3. JOINT RESTRAINTS REQUIRED ON 3 JOINTS PRIOR TO PLUG.

6 DEAD END STUB DETAIL
N.T.S.



NOTES:
1. FIRE HYDRANTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK WITHIN R/W EXCEPT WHERE CONDITIONS AND OR REGULATION PROHIBIT. FIRE HYDRANTS SHALL BE LOCATED WITHIN RIGHTS OF WAY OR UTILITY EASEMENTS.
2. ALL RODS AND ASSOCIATED HARDWARE SHALL BE STAINLESS STEEL.
3. ALL MECHANICAL JOINTS SHALL USE MEGA-LUG RESTRAINT TYPE RETAINING GLANDS.
4. VALVE BOXES SHALL BE HEIGHT ADJUSTABLE.
5. AMERICAN DARLING MODEL B-84-B-5 HYDRANT SAFETY YELLOW IN COLOR.
6. IF A HYDRANT IS TO BE INSTALLED MORE THAN 10-FEET FROM THE WATER MAIN, A SECOND VALVE SHALL BE USED. REFER TO SECTION 6.3.14.11 OF THE DESIGN AND CONSTRUCTION SPECIFICATIONS.
7. HYDRANTS MUST HAVE A MINIMUM OF 3' CLEARANCE AROUND THEM.
8. HYDRANTS MUST BE PLACED AT LEAST 3' INSIDE OF R.O.W. FROM PROPERTY LINE.
9. HYDRANTS SHALL NOT BE PLACED NEAR POWER TRANSFORMERS.

7 TYPICAL FIRE HYDRANT INSTALLATION
N.T.S.



NOTES:
1. DDC SHALL BE WILKINS MODEL 350ADA UNLESS OTHERWISE APPROVED BY REGIONAL UTILITIES.
2. DEVICE TO BE INSULATED WITH APPROVED MATERIALS

8 FIRE LINE BACK FLOW PREVENTOR
N.T.S.

GENERAL NOTES – POTABLE WATER CONSTRUCTION

1. CONTRACTOR SHALL COORDINATE INSTALLATION OF POTABLE WATER MAINS WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.

2. HYDROSTATIC TESTS, LEAKAGE TESTS, DISINFECTION, AND BACTERIOLOGICAL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATION OF REGIONAL UTILITIES AND ALL APPLICABLE F.D.E.P. AND AWWA REQUIREMENTS.

3. NO POTABLE WATER MAIN CONSTRUCTION SHALL COMMENCE UNTIL SHOP DRAWINGS HAVE BEEN APPROVED AND A PRE-CONSTRUCTION CONFERENCE HELD WITH REGIONAL UTILITIES STAFF.

4. PROVIDE LOCKS, IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATIONS OF REGIONAL UTILITIES, ON ALL CURB STOPS.

5. CONTRACTOR SHALL NOTIFY REGIONAL UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. UTILITY REPRESENTATIVES WILL PERFORM ALL TAPS OF EXISTING LINES AND MUST WITNESS ALL TIES OF AND TESTS OF NEW LINES.

6. IT IS REQUIRED THAT ALL NEW AND RELOCATED WATER SERVICES AND PLUMBING SHALL BE IN CONFORMANCE WITH STATE AND FEDERAL REGULATIONS PERTAINING TO THE CONTROL OF LEAD AND COPPER.

7. CONTRACTOR SHALL PROVIDE A COMPOSITE METER BOX WITH A COMPOSITE LID AT THE CURB STOP OF ALL WATER SERVICES AS SHOWN IN THE TYPICAL WATER METER INSTALLATION DETAIL. MATERIALS SHALL BE IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS OF REGIONAL UTILITIES. METER IS TO BE SET BY REGIONAL UTILITIES.

8. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS IN ACCORDANCE WITH REGIONAL UTILITIES SPECIFICATIONS.

9. THE LOCATION OF ALL WATER SERVICE STUBS ARE TO BE MARKED BY THE LETTER "W" SCRIBED A MINIMUM OF 2" HIGH AND 1/4 DEEP IN TOP OF CURB. IF NO CURBING IS INSTALLED A 3" SQUARE STEEL TAG INSCRIBED WITH A 2" LETTER "W" IS TO BE ATTACHED TO THE STREET PAVEMENT.

10. A 4" WATER BALL MARKER, AS MANUFACTURED BY 3M PART NO. 1403, SHALL BE PLACED AT ALL INLINE VALVES ALONG WATER MAIN, AT ALL CORP STOP LOCATIONS, AND IN ALL METER BOXES. MAXIMUM DEPTH OF MARKER BALL IS 36".

11. ALL MECHANICAL JOINTS SHALL USE MEGA-LUG RESTRAINT TYPE RETAINING GLANDS.

12. MINIMUM SEPARATION BETWEEN WATER OR SEWER AND ELECTRICAL CONDUITS OR ELECTRICAL LINES SHALL BE 72" MINIMUM HORIZONTAL & 18" VERTICAL WITH ELECTRICAL BEING BELOW THE WATER AND SEWER LINES. IN CASES WHERE 18" VERTICAL SEPARATION CAN NOT BE MET, 96" OF HORIZONTAL SEPARATION SHALL BE REQUIRED.

13. ALL MECHANICAL JOINT FITTINGS ON PRESSURE PIPE SHALL HAVE BOTH "MEGALUG" TYPE JOINT RESTRAINING GLANDS AND THRUST BLOCKS.

14. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MEETING THE REQUIREMENTS OF REGIONAL UTILITIES STANDARD DETAILS AND SPECIFICATIONS LATEST EDITION.

15. ANY LOCATION WHERE PRESSURE PIPELINES CURVATURE EXCEEDS MANUFACTURES' SPECIFICATIONS; APPROPRIATE MECHANICAL JOINT FITTINGS SHALL BE USED.

16. ALL 2-INCH VALVES SHALL BE BALL TYPE. 2-INCH GATE VALVES SHALL NOT BE USED.

17. ALL TIE IN TO EXISTING PRESSURIZED PIPELINES SHALL BE BY TAPPING SLEEVE (3 INCH TAP AND LARGER) (OR TAPPING SADDLE, 2 INCH TAP AND SMALLER) AND VALVE.

18. DEVELOPERS OF PRIVATE PROJECTS SHALL PROVIDE ALL WETLANDS PERMITS NECESSARY FOR UTILITY CONSTRUCTION.

19. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF REGIONAL UTILITIES' STANDARD SPECIFICATIONS.

20. JOINT RESTRAINTS SHALL BE REQUIRED ON ALL WATER MAINS LOCATED IN PAVED AREAS AND WETLANDS.

21. ALL WATER TAPS SHALL BE LOCATED OUT FROM UNDER PROPOSED FUTURE PAVEMENT.

22. WATER SERVICES SHALL BE LOCATED ABOVE STORMWATER EXFILTRATION SYSTEMS.

23. POTABLE WATER MAINS SHALL BE LOCATED ABOVE STORMWATER EXFILTRATION SYSTEMS.

24. PRIOR TO A FINAL INSPECTION, ALL LOT CORNERS SHALL BE STAKED BY THE SURVEYOR. INSPECTOR WILL NOT PERFORM FINAL INSPECTION IF STAKING IS INCOMPLETE.

BACKFLOW PREVENTORS

1. ALL WATER SERVICE LINES SHALL BE REQUIRED TO HAVE A BACKFLOW DEVICE PURSUANT TO REGIONAL UTILITIES SPECIFICATIONS.

2. ALL FIRE LINES SHALL HAVE A DOUBLE DETECTOR CHECK VALVE ASSEMBLY WITH A 5/8" BYPASS METER. THE METER SHALL BE PURCHASED FROM REGIONAL UTILITIES.

3. REDUCED PRESSURE ZONE BACKFLOW ASSEMBLIES (RPZ) ARE REQUIRED FOR ALL COMMERCIAL, HIGH HAZARD WATER USES, AND FOR HOUSEHOLDS WITH RECLAIM WATER IRRIGATION SERVICES.

4. ALL BACKFLOW PREVENTORS SHALL BE OF THE TYPE REQUIRED BY F.D.E.P. AWWA AND NFPA CODES AND MUST BE PER REGIONAL UTILITIES BACKFLOW PREVENTION MANUAL.

5. ALL SWIMMING POOLS SHALL HAVE RPZ BACKFLOW PREVENTORS.

6. ALL WATER SERVICES 1-1/2" AND LARGER ARE REQUIRED TO HAVE AN RPZ BACKFLOW PREVENTOR REGARDLESS IF RESIDENTIAL OR COMMERCIAL.

NO.	DATE	APPR.	REVISION

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES CORPORATION OF WALTON COUNTY INC.
4432 HWY 98 E.
Santa Rosa Beach, FL 32459
Phone: (850) 231-5114
Fax: (850) 231-9696

PROJECT NAME:
SHEET TITLE: POTABLE WATER STANDARD DETAILS

SEAL:

DRAWN BY:	CHECKED BY:
RT	RAD

PROJECT NO.: 222-004
WORK ORDER: 324653&4
DRAWING SCALE: AS NOTED
PLOT DATE: Sept. 25, 2023
SHEET NO. 6 OF 12
SHEET: W-1

HEREFORD · DOOLEY
ARCHITECTS
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NASHVILLE · TENNESSEE · 37210
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

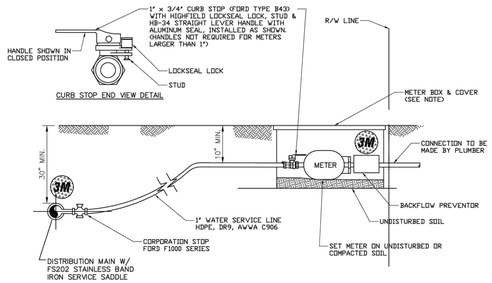
STATUS: CONSTRUCTION DOCUMENTS

DATES OF ISSUANCE
12/18/2025

SHEET TITLE: COUNTY DETAILS

SHEET C9.2

P:\2025\20250195_Santa Rosa FSER\dwg\Construction\20250195_C9-0_AH1.dwg-C9.2 County Details Dec 15, 2025 ianderson
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A 4" BALL MARKER AS MANUFACTURED BY 3M PART NO.1403 SHALL BE PLACED NEXT TO CORPORATION STOP AND IN THE METER BOX. AT A DEPTH OF 36" MAX.

NOTES:
1. 5/8", 3/4", & 1" METERS SHALL BE INSTALLED IN DFW PLASTICS DFW36C-12 COMPOSITE METER BOX WITH DFW36-1A LID.

2. 1-1/2" & 2" METERS SHALL BE INSTALLED IN DFW PLASTICS DFW1730C-12 COMPOSITE METER BOX WITH DFW1730C-1A LID.

3. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ONE METER BOX PER LOT AND THE WATER SERVICE WITH CURB STOP AND LOCKSEAL LOCK SHALL BE STUBBED IN BOX.

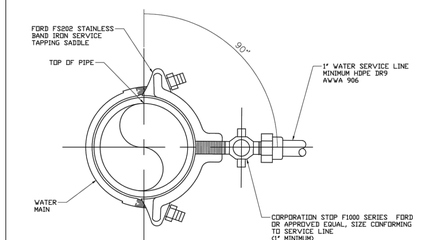
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF POTABLE WATER SERVICES WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.

5. NO METERS WILL BE SET UNTIL REGIONAL UTILITIES HAS RECEIVED CLEARANCE TO PLACE THE SYSTEM INTO SERVICE FROM F.D.E.P.

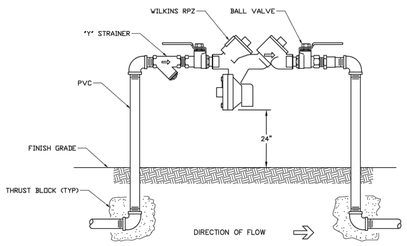
IN ORDER TO RECEIVE CLEARANCE FROM F.D.E.P. THE FOLLOWING PROCEDURE MUST BE COMPLETED:

CONTRACTOR MUST PERFORM PRESSURE TEST, FLUSH AND ARRANGE FOR A FINAL INSPECTION. PRESSURE TEST AND FLUSH MUST BE WITNESSED BY A REGIONAL UTILITIES INSPECTOR. UPON PASSING THE PRESSURE TEST AND FINAL INSPECTION, REGIONAL UTILITIES WILL TAKE BACTERIOLOGICAL TEST. THE ENGINEER FOR THE PROJECT MUST SUBMIT THE BACTERIOLOGICAL TEST RESULTS, AS-BUILT DRAWINGS AND CERTIFICATION OF COMPLETION FORMS TO REGIONAL UTILITIES. REGIONAL UTILITIES WILL THEN SIGN THE COMPLETION FORMS AND FORWARD THEM TO F.D.E.P. WITH COPIES OF THE BACTERIOLOGICAL TEST RESULTS. UPON THEIR REVIEW AND APPROVAL, F.D.E.P. WILL SEND REGIONAL UTILITIES A LETTER GRANTING PERMISSION FOR THE SYSTEM TO BE PLACED INTO OPERATION.

1 TYPICAL WATER METER INSTALLATION
N.T.S.

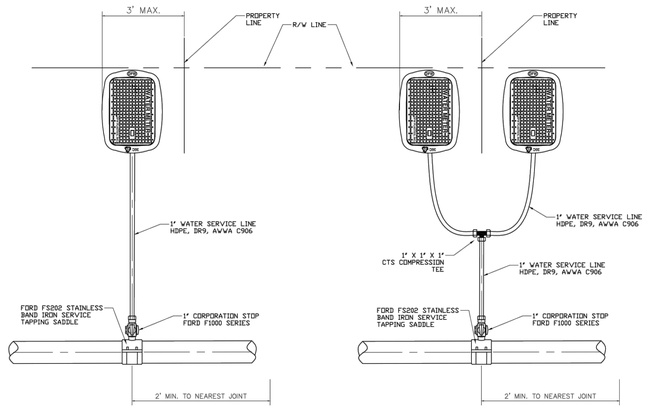


2 TYPICAL WATER SERVICE CONNECTION
N.T.S.



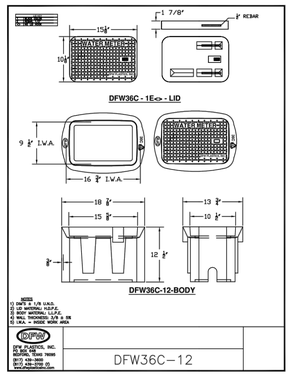
NOTES:
1. RPBA SHALL BE WILKINS UNLESS OTHERWISE APPROVED BY REGIONAL UTILITIES
2. DEVICE TO BE INSULATED WITH APPROVED MATERIALS

3 REDUCED PRESSURE BACKFLOW ASSEMBLY 3/4"-2"
N.T.S.

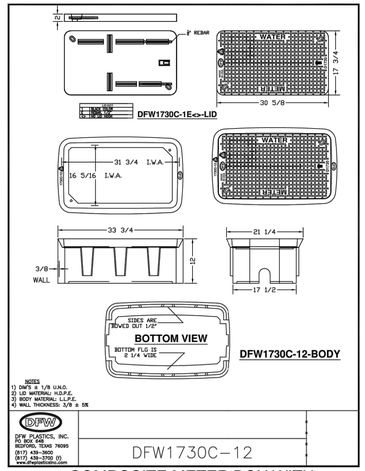


5 TYPICAL WATER SERVICE INSTALLATIONS
N.T.S.

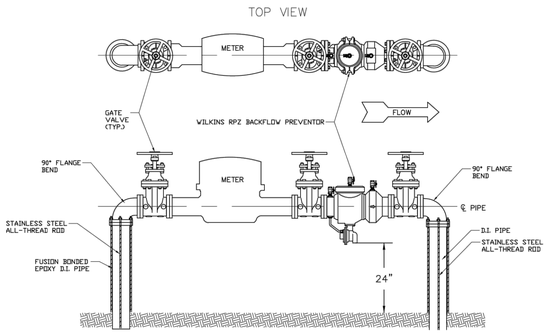
APPROVED FOR 2025



4 COMPOSITE METER BOX WITH TRAFFIC RATED COMPOSITE LID 3/4" - 1" METERS DFW PLASTICS, INC.
N.T.S.

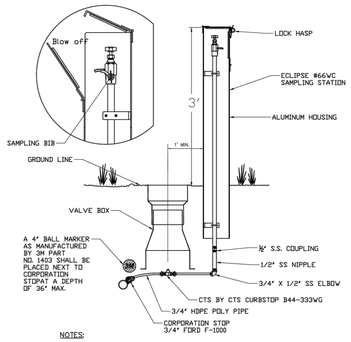


7 COMPOSITE METER BOX WITH TRAFFIC RATED COMPOSITE LID 1-1/2" - 2" METERS DFW PLASTICS, INC.
N.T.S.



NOTES:
1. DUCTILE IRON PIPE SHALL BE COMPATIBLE WITH METER SIZE.
2. DUCTILE IRON PIPE SHALL CONFORM TO REGIONAL UTILITIES STANDARDS AND SPECIFICATION.
3. ENTIRE ASSEMBLY MUST BE INSULATED.
4. THE BACKFLOW PREVENTOR SHALL BE LOCATED DOWN STREAM FROM THE METER.
5. ALL ABOVE GROUND PIPE AND FITTINGS SHALL BE FLANGED.

6 3" OR LARGER ABOVE GROUND METER & RPZ BACKFLOW INSTALLATION
N.T.S.



NOTES:
1. SAMPLING STATIONS SHALL BE 1' BURY, WITH A ¾" MIP INLET, AND A 7/64" UNTHREADED BLOW OFF.
2. ALL STATIONS SHALL BE ENCLOSED IN A LOCKABLE, NON-REMOVABLE 6" SQUARE ALUMINUM HOUSING. ALL OPENINGS SHALL BE HINGED.
3. WHEN OPEN, THE STATION SHALL REQUIRE NO KEY FOR OPERATION, AND WATER WILL FLOW IN AN ALL STAINLESS STEEL WATERWAY.
4. ALL WORKING PARTS SHALL BE OF STAINLESS STEEL AND SERVICEABLE FROM ABOVE GROUND WITH NO DIGGING OR REPLACEMENT NEEDED.
5. A SLOW TURNING VALVE WITH 6 TURNS TO OPEN WILL CONTROL THE WATER FLOW, AND BE LOCATED AFTER THE SAMPLING BIB.
6. AS MANUFACTURED BY KUPFERLE FOUNDRY, ST. LOUIS MO. 63102. MODEL # 66WC, OR APPROVED EQUAL.

8 TYPICAL WATER SAMPLING STATION
N.T.S.

HEREFORD · DOOLEY
ARCHITECTS
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
P · 615 · 244 · 7399
F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

NO.	DATE	APPR.	REVISION

PROJECT # 225014.00

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES CORPORATION OF WALTON COUNTY INC.
4432 HWY 98 E. Phone: (850) 231-5114
Santa Rosa Beach, FL 32459 Fax: (850) 231-9696

SANTA ROSA FSER
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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

PROJECT NAME:

SHEET TITLE: POTABLE WATER STANDARD DETAILS

SEAL:

DRAWN BY:	CHECKED BY:
RT	RAD

PROJECT NO.: 222-004
WORK ORDER: 324653&4
DRAWING SCALE: AS NOTED
PLOT DATE: Sept. 25, 2023
SHEET NO. 7 OF 12
SHEET: W-2

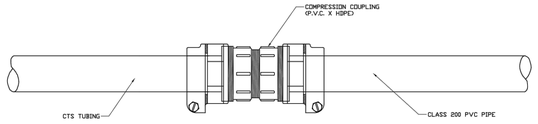
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DATES OF ISSUANCE: 12/18/2025 △

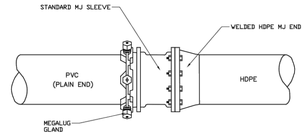
TITLE: COUNTY DETAILS

SHEET: C9.3

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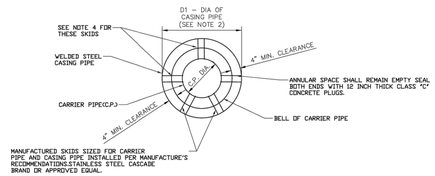


1 HDPE TO PVC TRANSITION (UP TO 2" DIAMETER)
N.T.S.



NOTE:
JOINT RESTRAINT REQUIRED ON 3 PVC JOINTS BEFORE TRANSITION CONNECTION

2 HDPE-TO-PVC CONNECTION (3" PIPE AND LARGER)
N.T.S.

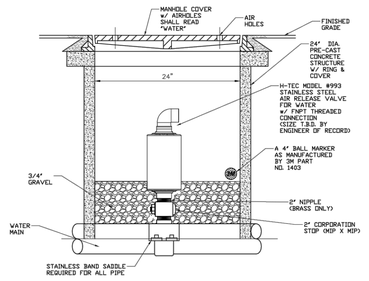


6 TYPICAL CASING DETAIL
N.T.S.

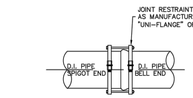
CASING PIPE SIZES (MIN.)												
CARRIER PIPE NOM. DIA. (D2)	4"	6"	8"	10"	12"	14"	16"	18"	22"	24"	30"	36"
CASING PIPE NOM. DIA. (D1)	8"	12"	16"	22"	24"	30"	30"	30"	36"	36"	48"	60"
HWY X-ING WALL THK.-INCHES	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.250	0.375	0.500

NOTES:
1. MIN. COVER TO TOP OF CASING SHALL BE 36".
2. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE 4" GREATER THAN THAN THE OUTSIDE DIAMETER OF THE CARRIER PIPE BELL OR COUPLING.
3. ALL JACK AND BORE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION UTILITY ACCOMMODATION MANUAL, LATEST EDITION.
4. SKIDS SHALL BE SECURED TO THE CARRIER PIPE AS PER MANUFACTURERS RECOMMENDATIONS. (MINIMUM OF 3 SKIDS PER PIPE JOINT.)
5. ROTATION OF CARRIER PIPE INSIDE THE CASING PIPE WILL NOT BE PERMITTED. ALL JOINTS WITHIN THE CASING SHALL HAVE JOINT RESTRAINTS INSTALLED.
6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING OF CASING AND CARRIER PIPE INSTALLATION FOR APPROVAL PRIOR TO PURCHASING MATERIALS.
7. CASING SHALL EXTEND A MINIMUM OF 8 FEET PAST EDGE OF PAVEMENT.

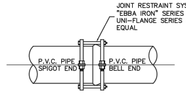
WATER MAIN CROSSING FOR ROADWAYS



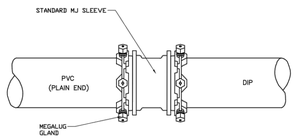
H-TEC 2-INCH AUTOMATIC AIR RELEASE VALVE MODEL #993 STAINLESS STEEL
7 N.T.S.



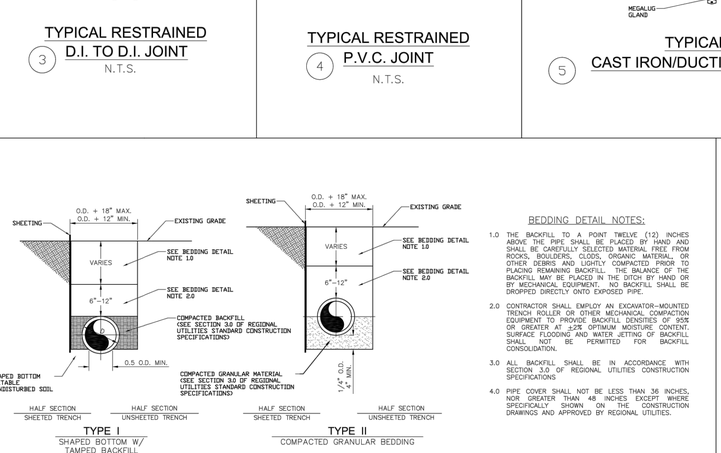
TYPICAL RESTRAINED D.I. TO D.I. JOINT
3 N.T.S.



TYPICAL RESTRAINED P.V.C. JOINT
4 N.T.S.

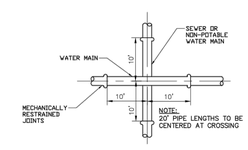


TYPICAL RESTRAINED CAST IRON/DUCTILE IRON TO P.V.C. JOINT
5 N.T.S.



BEDDING DETAIL NOTES:
1.0 THE BACKFILL TO A POINT TWELVE (12) INCHES ABOVE THE PIPE SHALL BE PLACED BY HAND AND SHALL BE CAREFULLY SELECTED MATERIAL FREE FROM ROCKS, BOULDERS, CLODS, ORGANIC MATERIAL, OR OTHER DEBRIS AND LIGHTLY COMPACTED PRIOR TO PLACING REMAINING BACKFILL. THE BALANCE OF THE BACKFILL MAY BE PLACED IN THE DITCH BY HAND OR BY MECHANICAL EQUIPMENT. NO BACKFILL SHALL BE DROPPED DIRECTLY ONTO EXPOSED PIPE.
2.0 CONTRACTOR SHALL EMPLOY AN EXCAVATOR-MOUNTED TRENCH ROLLER OR OTHER MECHANICAL COMPACTION EQUIPMENT TO PROVIDE BACKFILL DENSITIES OF 95% OR GREATER AT ±2% OPTIMUM MOISTURE CONTENT. SURFACE FLOODING AND WATER JETTING OF BACKFILL SHALL NOT BE PERMITTED FOR BACKFILL CONSOLIDATION.
3.0 ALL BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 3.0 OF REGIONAL UTILITIES CONSTRUCTION SPECIFICATIONS
4.0 PIPE COVER SHALL NOT BE LESS THAN 36 INCHES, NOR GREATER THAN 48 INCHES EXCEPT WHERE SPECIFICALLY SHOWN ON THE CONSTRUCTION DRAWINGS AND APPROVED BY REGIONAL UTILITIES.

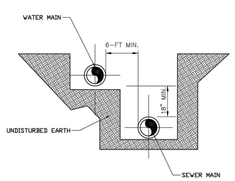
8 TYPICAL BEDDING DETAIL
N.T.S.



NOTE:
20' PIPE LENGTHS TO BE CENTERED AT CROSSING

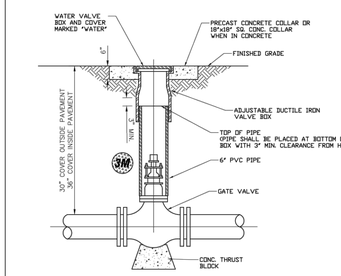
NOTES
1. WHERE A 18 INCH VERTICAL SEPARATION DISTANCE CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN CROSSING THEN THE WATER MAIN SHALL PASS OVER THE SEWER MAIN OR NON-POTABLE WATER MAIN WITH A MINIMUM VERTICAL CLEARANCE OF 12 INCHES. THE SEWER OR NON-POTABLE WATER MAIN SHALL BE 20 FEET OF 6" CONCRETE ENCASEMENT CENTERED ON THE POINT OF CROSSING AND THE WATER MAIN SHALL BE 20 FEET OF 6" CONCRETE ENCASEMENT CENTERED ON THE POINT OF CROSSING. CONCRETE ENCASEMENT SHALL BE POURED SEPARATELY FOR EACH PIPE.
2. ANYTHING LESS THAN SHOWN MUST BE APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

9 WATER/SEWER CROSSING AND SEPARATION DETAIL
N.T.S.



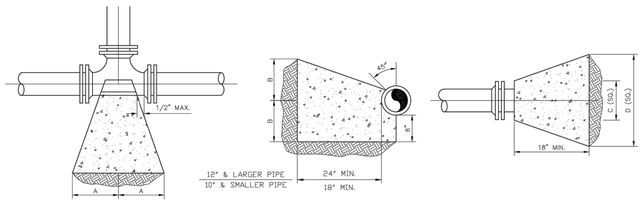
NOTES
1. WHERE A 10 FOOT PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND A SEWER MAIN OR NON-POTABLE WATER MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN OR NON-POTABLE WATER MAIN AND 6 FEET HORIZONTALLY FROM THE EDGE OF THE SEWER MAIN OR NOT-POTABLE WATER MAIN.
2. ANYTHING LESS THAN SHOWN MUST BE APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

APPROVED FOR 2025



NOTE:
ALL BELOW GROUND VALVES REQUIRE VALVE BOX.

10 VALVE AND BOX DETAIL
N.T.S.

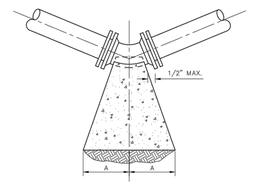


SIZE	TEE		CU. FT.
	A	B	CONC.
6"	10"	12"	3.5
8"	13"	16"	5.4
10"	16"	20"	9.4
12"	18"	24"	16.6
14"	22"	27"	23.2
16"	24"	30"	28.6
18"	26"	32"	36.2

SIZE	PLUG		CU. FT.
	C	D	CONC.
6"	10"	21"	2.6
8"	12"	29"	4.5
10"	14"	36"	6.9
12"	16"	41"	9.0
14"	18"	48"	12.3
16"	20"	54"	15.2
18"	22"	60"	19.2

NOTES:
1. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.
2. THESE TABLES SHOW MINIMUM SIZE THRUST BLOCKS FOR GOOD SOIL, (A-1 THROUGH A-3, CLEAN SAND AND GRAVEL)
3. POOR SOIL (A-4 THROUGH A-8, SILTY SOILS, CLAYS, MUCK AND PEAT) WILL REQUIRE LARGER THRUST BLOCKS.

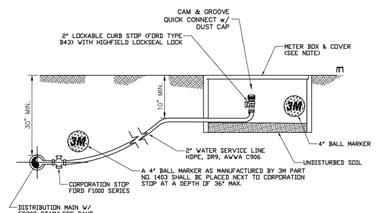
11 THRUST BLOCK DETAIL
N.T.S.



NOTES:
1. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.
2. THESE TABLES SHOW MINIMUM SIZE THRUST BLOCKS FOR GOOD SOIL. (A-1 THROUGH A-3, CLEAN SAND AND GRAVEL)
3. POOR SOIL (A-4 THROUGH A-8, SILKY SOILS, CLAYS, MUCK AND PEAT) WILL REQUIRE LARGER THRUST BLOCKS.

SIZE	1/4 BENDS		CU. FT.	1/8 BENDS		CU. FT.	1/16 BENDS		CU. FT.
	A	B	CONC.	A	B	CONC.	A	B	CONC.
6"	16"	10"	3.2	9"	10"	3.0	6"	8"	1.3
8"	22"	13"	7.2	12"	13"	3.7	8"	10"	2.1
10"	26"	17"	11.5	14"	17"	5.9	10"	13"	3.6
12"	29"	21"	21.1	16"	21"	8.6	11"	16"	6.6
14"	35"	24"	29.8	19"	24"	14.9	12"	20"	8.9
16"	38"	27"	37.8	21"	27"	19.1	12"	24"	11.2
18"	42"	29"	47.8	22"	29"	24.2	13"	26"	14.2

12 THRUST BLOCK DETAIL
N.T.S.



13 BELOW GRADE FLUSH POINT
N.T.S.

NOTES:
1. FLUSH POINTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK WITHIN R/W EXCEPT WHERE CONDITIONS AND OR REGULATION PROHIBIT, FLUSH POINTS SHALL BE LOCATED WITHIN RIGHTS OF WAY OR UTILITY EASEMENTS.
2. METER BOX AND COVER SHALL BE TRAFFIC RATED. SEE DETAIL #7 ON SHEET W-2.

NO.	DATE	APPR.	REVISION

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES CORPORATION OF WALTON COUNTY INC.
4432 HWY 98 E.
Santa Rosa Beach, FL 32459
Phone: (850) 231-5114
Fax: (850) 231-9696

PROJECT NAME: SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

SHEET TITLE: POTABLE WATER STANDARD DETAILS

SEAL:

DRAWN BY:	CHECKED BY:
RT	RAD
PROJECT NO.:	000-000
WORK ORDER:	00.0000
DRAWING SCALE:	1"=XX'
PLOT DATE:	
SHEET NO. X OF XX	
SHEET:	W-3

HEREFORD · DOOLEY
ARCHITECTS
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
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F · 615 · 244 · 6697
WWW.HDARCHITECTS.COM

PROJECT # 225014.00

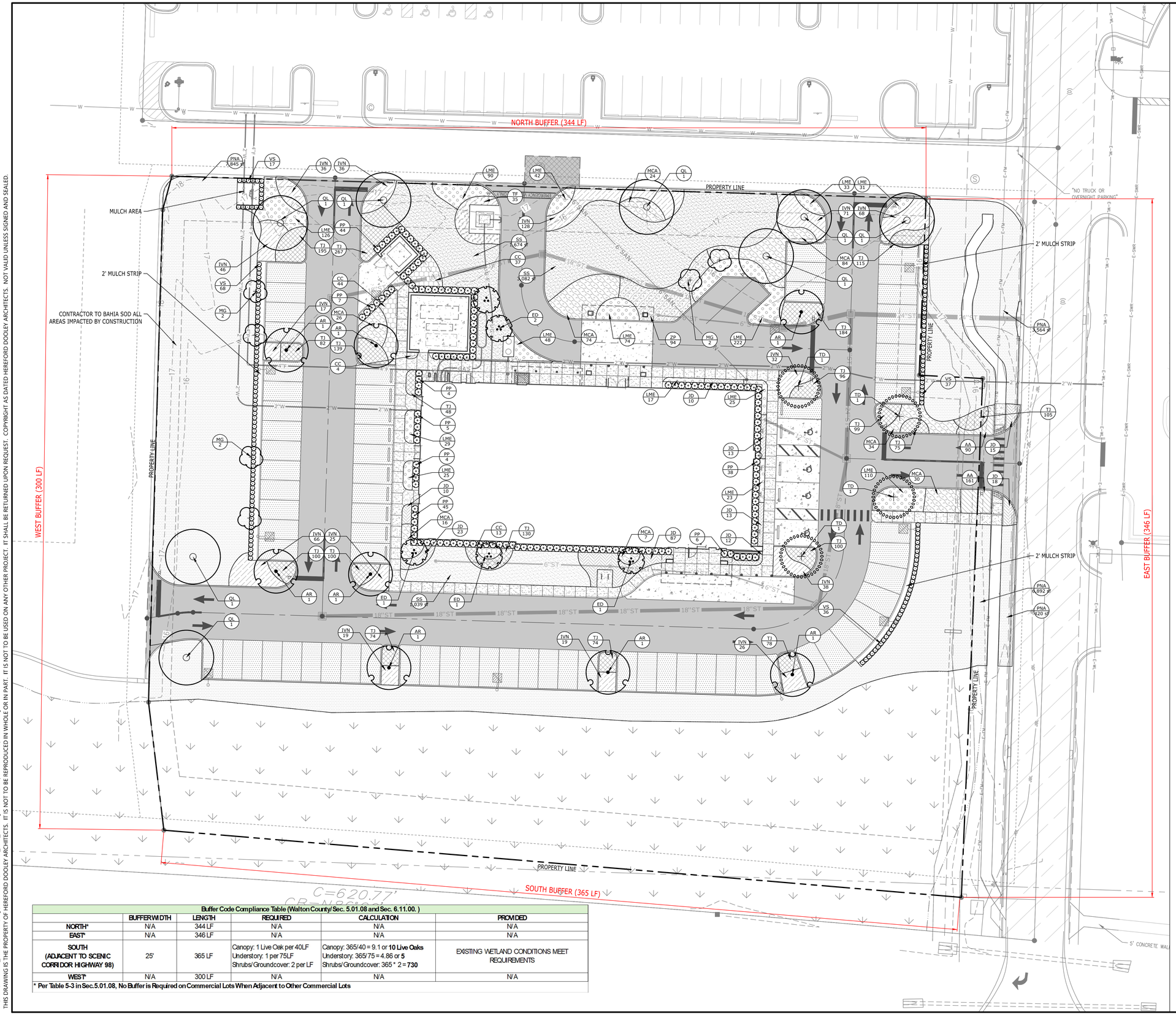
STATUS: CONSTRUCTION DOCUMENTS

DATES OF ISSUANCE: 12/18/2025 △

TITLE: COUNTY DETAILS

SHEET: C9.4

P:\2025\20250195_Santa Rosa FSER\dwg\Construction\20250195_C9-0_AHJ.dwg-C9.4 County Details Dec 15, 2025 landerson
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Buffer Code Compliance Table (Walton County/ Sec. 5.01.08 and Sec. 6.11.00.)					
	BUFFER WIDTH	LENGTH	REQUIRED	CALCULATION	PROVIDED
NORTH*	N/A	344 LF	N/A	N/A	N/A
EAST*	N/A	346 LF	N/A	N/A	N/A
SOUTH (ADJACENT TO SCENIC CORRIDOR HIGHWAY 98)	25'	365 LF	Canopy: 1 Live Oak per 40LF Understory: 1 per 75LF Shrubs/ Groundcover: 2 per LF	Canopy: 365/40 = 9.1 or **10 Live Oaks** Understory: 365/75 = 4.86 or **5** Shrubs/ Groundcover: 365 * 2 = **730**	EXISTING WETLAND CONDITIONS MEET REQUIREMENTS
WEST*	N/A	300 LF	N/A	N/A	N/A

* Per Table 5-3 in Sec.5.01.08, No Buffer is Required on Commercial Lots When Adjacent to Other Commercial Lots

LANDSCAPE LEGEND

SYMBOL	CODE	COMMON NAME	BOTANICAL NAME
CANOPY TREES			
	AR	Red Maple	Acer rubrum
	QL	Seedling Live Oak	Quercus virginiana
	TD	Bald Cypress	Taxodium distichum
UNDERSTORY TREES			
	ED	Japanese Blueberry Tree	Elaeocarpus decipiens
	MG	Little Gem Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'
SHRUBS			
	PP	Podocarpus	Podocarpus macrophylla
	VS	Sandankwa Viburnum	Viburnum suspensum
SHRUB AREAS			
	CC	Dwarf Bottlebrush	Callistemon citrinus 'Little John'
	IVN	Dwarf Yaupon Holly	Ilex vomitoria ``Nana``
	MCA	Pink Muhly Grass	Muhlenbergia capillaris
	TF	Dwarf Fakahatchee	Tripsacum floridanum
	ZP	Coontie	Zamia pumila
GROUND COVERS			
	AA	Annual Color	Annual Color seasonal
	JD	Parson`s Juniper	Juniperus davurica ``Parsonii``
	LME	Liriope	Liriope muscari 'Emerald Goddess'
	TJ	Star Jasmine	Trachelospermum jasminoides
SOD			
	PNA	Argentine Bahia Grass	Paspalum notatum ``Argentine``
	SS	St. Augustine Grass	Stenotaphrum secundatum 'Floratam'

NOTES

1. SEE SHEET L2.0 FOR LANDSCAPE SCHEDULE.
2. SEE SHEET L2.1 FOR LANDSCAPE DETAILS.

N

Know what's below. Call before you dig.

0 10 20 40 60
GRAPHIC SCALE

HEREFORD · DOOLEY
ARCHITECTS
11 LEA AVE · SUITE 601
NASHVILLE · TENNESSEE · 37210
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F · 615 · 244 · 6697
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

REGISTERED LANDSCAPE ARCHITECT SIU JUN WONG LA 6667315 STATE OF FLORIDA
12/18/2025

DATES OF ISSUANCE
12/18/2025
△

TITLE: LANDSCAPE PLAN

SHEET: L1.0

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P:\2025\20250195_santa rosa fser\dwg\construction\20250195_L1-0_LAN.dwg-L1.0 Landscape Plan Dec 15, 2025 bwong

GENERAL NOTES

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SITE PRIOR TO BIDDING THE WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATION OF PROPOSED IMPROVEMENTS PRIOR TO INITIATING ANY CONSTRUCTION.
2. LOCATION OF ALL UTILITIES AND BASE INFORMATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS PRIOR TO INITIATING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGE TO EXISTING ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
3. THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT, AT ANY STAGE OF THE OPERATIONS, TO REJECT ANY AND ALL WORK AND MATERIAL WHICH, IN HIS OPINION, DO NOT MEET WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS.
4. CONTRACTOR SHALL VERIFY ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS ON THE JOB SITE PRIOR TO START OF CONSTRUCTION AND/OR FABRICATION. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.
5. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE.
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
7. THE CONTRACTOR SHALL COORDINATE ACCESS AND STAGING AREAS WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
8. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE. DURING THE COURSE OF THIS WORK, EXCESS WASTE MATERIAL SHALL BE REMOVED DAILY FROM THE SITE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF WORK WITH OTHER TRADES AND THE OWNER'S REPRESENTATIVE.
10. THE CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HRS MINIMUM PRIOR TO DIGGING FOR FIELD VERIFICATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATING SHALL BE SCHEDULED BY THE CONTRACTOR WITH OWNER'S REPRESENTATIVE PRESENT.
11. UTILITIES TO BE LOCATED BY FLAGGING ONLY; PAINTING OF HARDSCAPE AREAS IS PROHIBITED. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY LOCATING COMPANIES OF THIS REQUIREMENT.
12. ALL EXISTING SITE ROADS, PARKING LOTS, CURBS, UTILITIES, SEWERS, AND OTHER ELEMENTS TO REMAIN SHALL BE FULLY PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
13. NOT ALL ITEMS SHOWN ON THIS SHEET APPEAR IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS RELATED TO CONSTRUCTION INCLUDING, BUT NOT LIMITED TO: BUILDING, LANDSCAPE, IRRIGATION AND RIGHT-OF-WAY UTILIZATION PERMITS.

LANDSCAPE NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.
2. CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK.
3. CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL/SOD DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK.
4. THE CONTRACTOR SHALL PROVIDE AN APPROVED PLANTING SOIL MIXTURE FOR ALL PLANT MATERIAL. SEE SPECIFICATIONS FOR REQUIREMENTS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL TREES AND SHRUBS, AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF ANY PLANT MATERIALS. STAKING OF TREES OR SHRUBS SHALL BE DONE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
6. THE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT BEDS AND PLANTERS. IF INADEQUATE VERTICAL DRAINAGE IS ENCOUNTERED, THE CONTRACTOR SHALL SUBMIT RECOMMENDATIONS FOR PROVIDING ADEQUATE DRAINAGE TO THE OWNER'S REPRESENTATIVE.
7. CONTRACTOR SHALL FIELD-ADJUST LOCATION OF PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE.
8. UPON COMPLETION OF ALL LANDSCAPING, AN INSPECTION FOR SUBSTANTIAL COMPLETION OF THE WORK SHALL BE HELD. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR SCHEDULING THE INSPECTION AT LEAST SEVEN (7) DAYS PRIOR TO THE ANTICIPATED INSPECTION DATE.
9. CONTRACTOR SHALL SUBMIT WRITTEN GUARANTEE OF SURVIVABILITY OF ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
10. CONTRACTOR MUST REVIEW AND ACCEPT, APPROVE ALL GRADED AREAS PRIOR TO THE COMMENCEMENT OF PLANTING.
11. TREES ADJACENT TO BUILDINGS SHOULD BE PLANTED AT LEAST THE DIAMETER OF THE TREE CANOPY OR A MIN. OF 10'-0" (WHICHEVER IS GREATER) AWAY FROM THE BUILDING WALL.
12. MAINTENANCE SHALL BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE UNTIL THE PROJECT HAS BEEN DEEMED SUBSTANTIALLY COMPLETE. MAINTENANCE INCLUDES WATERING, PRUNING, WEEDING, MULCHING, REPLACEMENTS OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY FOR THE PROPER GROWTH OF THE PLANT MATERIAL.
13. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH FLORIDA NO. 1 GRADE OR BETTER, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
14. ALL PLANTING BEDS SHALL BE TOP-DRESSED WITH A 3" LAYER OF MINI PINE BARK NUGGET MULCH AS SPECIFIED.
15. CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL.
16. THE CONTRACTOR SHALL REVIEW PLANS TO BECOME THOROUGHLY FAMILIAR WITH SURFACE AND SUBSURFACE UTILITIES.
17. THE PLANT QUANTITIES SHOWN ON THE LANDSCAPE CONTRACT DOCUMENTS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO CONTRACT AWARD AND COMMENCEMENT OF WORK.
18. PEG SOD ON SLOPES GREATER THAN 3:1.
19. CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN AS SHOWN ON DRAWINGS OR BY MEANS APPROVED BY THE OWNER'S REPRESENTATIVE.
20. CONTRACTOR TO CLEAN, PRUNE, AND SHAPE EDGES OF EXISTING VEGETATION AS DIRECTED BY OWNER'S REPRESENTATIVE. CREATE SMOOTH BED LINES AROUND EXISTING VEGETATION.
21. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK. SEE SPECIFICATIONS FOR ADDITIONAL TESTING REQUIREMENTS.
22. ALL INSTALLATION OF PLANT MATERIAL SHALL COMPLY WITH APPLICABLE JURISDICTIONAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH THIS WORK.
23. PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS. SUBMIT DATED PHOTOGRAPHS OF ALL TREE MATERIAL AND SPECIMEN MATERIAL AS TO THE OWNER'S REPRESENTATIVE FOR REVIEW.
24. ALL PLANT MATERIAL SIZES SPECIFIED ARE MINIMUM SIZES. CONTAINER SIZE SHALL BE INCREASED IF NECESSARY TO PROVIDE OVERALL PLANT SIZE SPECIFIED.
25. IF PLANT MATERIAL DOES NOT COMPLY WITH THE REQUIREMENTS AS SPECIFIED HEREIN, THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT SUCH PLANTS AND REQUIRE THE CONTRACTOR TO REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL RE-INSPECTED AND FOUND TO BE ACCEPTABLE.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE
CANOPY TREES							
	AR	8	Red Maple	Acer rubrum	-	3" CAL.	12'-14' HT, 6' CT.
	QL	8	Seedling Live Oak	Quercus virginiana	-	3" CAL.	14'-16' HT.
	TD	4	Bald Cypress	Taxodium distichum	-	3" CAL.	12'-14' HT, 6' CT.
UNDERSTORY TREES							
	ED	5	Japanese Blueberry Tree	Elaeocarpus decipiens	-	2" CAL.	8`-10` HT., 4`-5` SPRD., FULL TO GROUND
	MG	6	Little Gem Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'	-	2" CAL.	8`-10` HT., 4`-5` SPRD., FULL TO GROUND

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	SPACING
SHRUBS							
	PP	153	Podocarpus	Podocarpus macrophylla	7 GAL.	36"-48" HT. X 18", FULL	AS SHOWN
	VS	158	Sandankwa Viburnum	Viburnum suspensum	3 GAL.	3` HT.	36" O.C.
SHRUB AREAS							
	CC	98	Dwarf Bottlebrush	Callistemon citrinus 'Little John'	3 GAL.	12"-18" HT.	24" O.C.
	IVN	627	Dwarf Yaupon Holly	Ilex vomitoria `Nana`	3 GAL	16"-20" HT. X 16"-20" SPRD.	24" O.C.
	MCA	295	Pink Muhly Grass	Muhlenbergia capillaris	3 GAL.	18"-24" HT.	30" O.C.
	TF	35	Dwarf Fakahatchee	Tripsacum floridanum	3 GAL.	24"-30" HT.	30" O.C.
	ZP	94	Coontie	Zamia pumila	3 GAL.	12"-16" HT.	30" O.C.
GROUND COVERS							
	AA	251	Annual Color	Annual Color seasonal	1 GAL.	FULL IN POT	12" O.C.
	JD	201	Parson`s Juniper	Juniperus davurica `Parsonii`	3 GAL	1`-1,5` HT., 1.5 Spr. Min.	24" O.C.
	LME	895	Liriope	Liriope muscari 'Emerald Goddess'	1 GAL.	FULL	18" O.C.
	TJ	2,061	Star Jasmine	Trachelospermum jasminoides	1 GAL.	4"-6" x 16"-18"	12" O.C.
SOD							
	PNA	18,721 sf	Argentine Bahia Grass	Paspalum notatum `Argentine`	Sod		
	SS	5,795 sf	St. Augustine Grass	Stenotaphrum secundatum 'Floratam'	Sod		

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STATUS: CONSTRUCTION DOCUMENTS

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12/18/2025

DATES OF ISSUANCE
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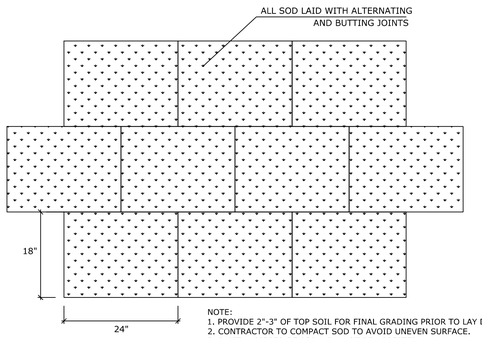
TITLE: LANDSCAPE NOTES & SCHEDULE

SHEET: L2.0

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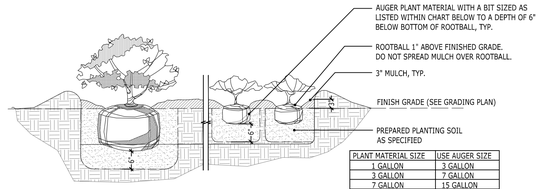
P:\2025\20250195_santa rosa fser\dwg\construction\20250195_L2-0_LAN.dwg-L3.00 Landscape Notes & Symbols Dec 15, 2025 bwong

P:\2025\20250195_santa rosa fser\dwg\construction\20250195_L2-0_LAN.dwg-L3.10 Landscape Details Dec 15, 2025 bwong
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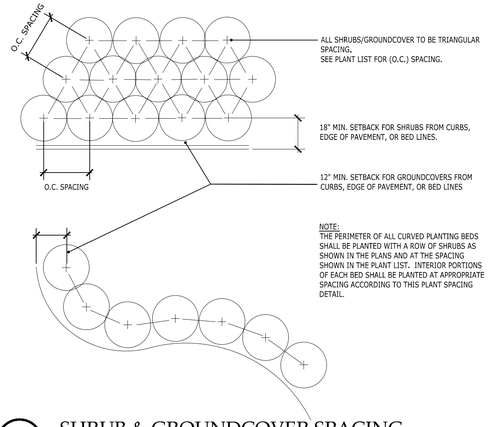
NOTE:
1. PROVIDE 2"-3" OF TOP SOIL FOR FINAL GRADING PRIOR TO LAY DOWN SOD.
2. CONTRACTOR TO COMPACT SOD TO AVOID UNEVEN SURFACE.
3. PARTIAL PIECES OF SOD WILL NOT BE ACCEPTED.
4. SOD SHALL BE WEED FREE.

1 SOD PLANTING
SCALE: NTS



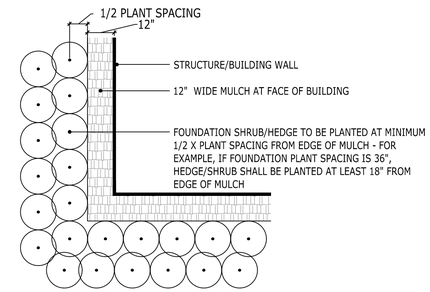
PLANT MATERIAL SIZE	USE AUGER SIZE
1 GALLON	3 GALLON
3 GALLON	7 GALLON
7 GALLON	15 GALLON
15 GALLON AND LARGER	SEE TREE PLTG. DETAILS

2 SHRUB & GROUNDCOVER PLANTING
SCALE: NTS

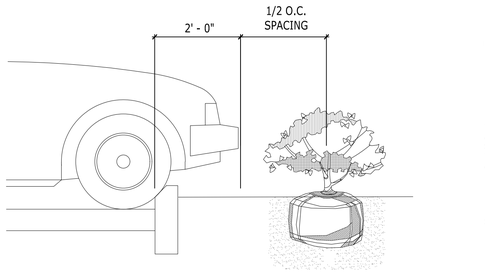


NOTE:
THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

3 SHRUB & GROUNDCOVER SPACING
SCALE: NTS

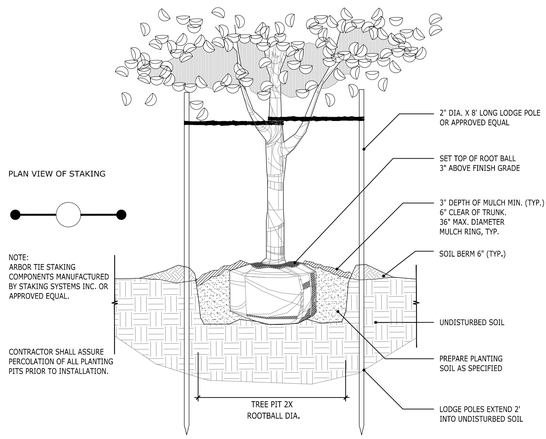


4 PLANTING ALONG BUILDING PERIMETER
SCALE: NTS



SHRUB SHALL BE PLANTED AS INDICATED ABOVE WHEN LOCATED ADJACENT TO CURBS WHICH SERVE AS WHELL STOPS IN PARKING AREAS.

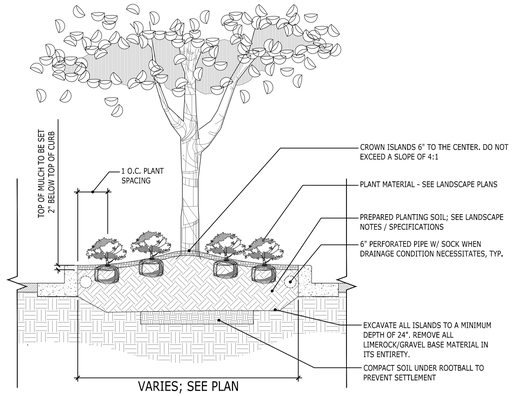
5 PLANTING ADJACENT TO PARKING STALL
SCALE: NTS



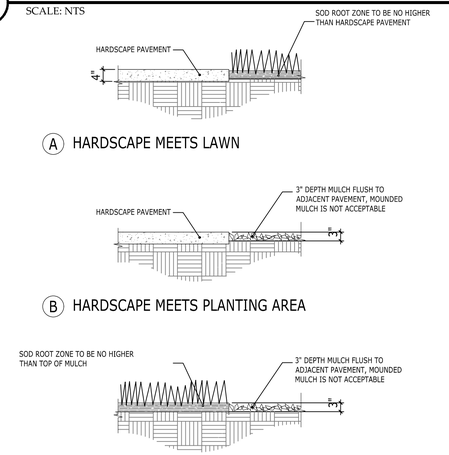
NOTE:
ARBOR TIE STAKING COMPONENTS MANUFACTURED BY STAKING SYSTEMS INC. OR APPROVED EQUAL.

CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

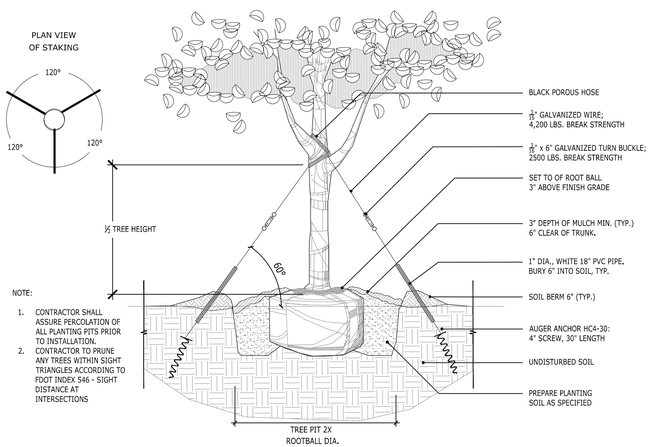
6 TREE PLANTING - LESS THAN 3" CAL.
SCALE: NTS



7 PARKING ISLAND CROWN PLANTING W/ PIPE
SCALE: NTS



8 SOD & PLANTING AREA & HARDSCAPE
SCALE: NTS



NOTE:
1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
2. CONTRACTOR TO PRUNE ANY TREES WITHIN SIGHT TRIANGLES ACCORDING TO FDOT INDEX 546 - SIGHT DISTANCE AT INTERSECTIONS

9 TREE PLANTING - 3" TO 7" CAL.
SCALE: NTS

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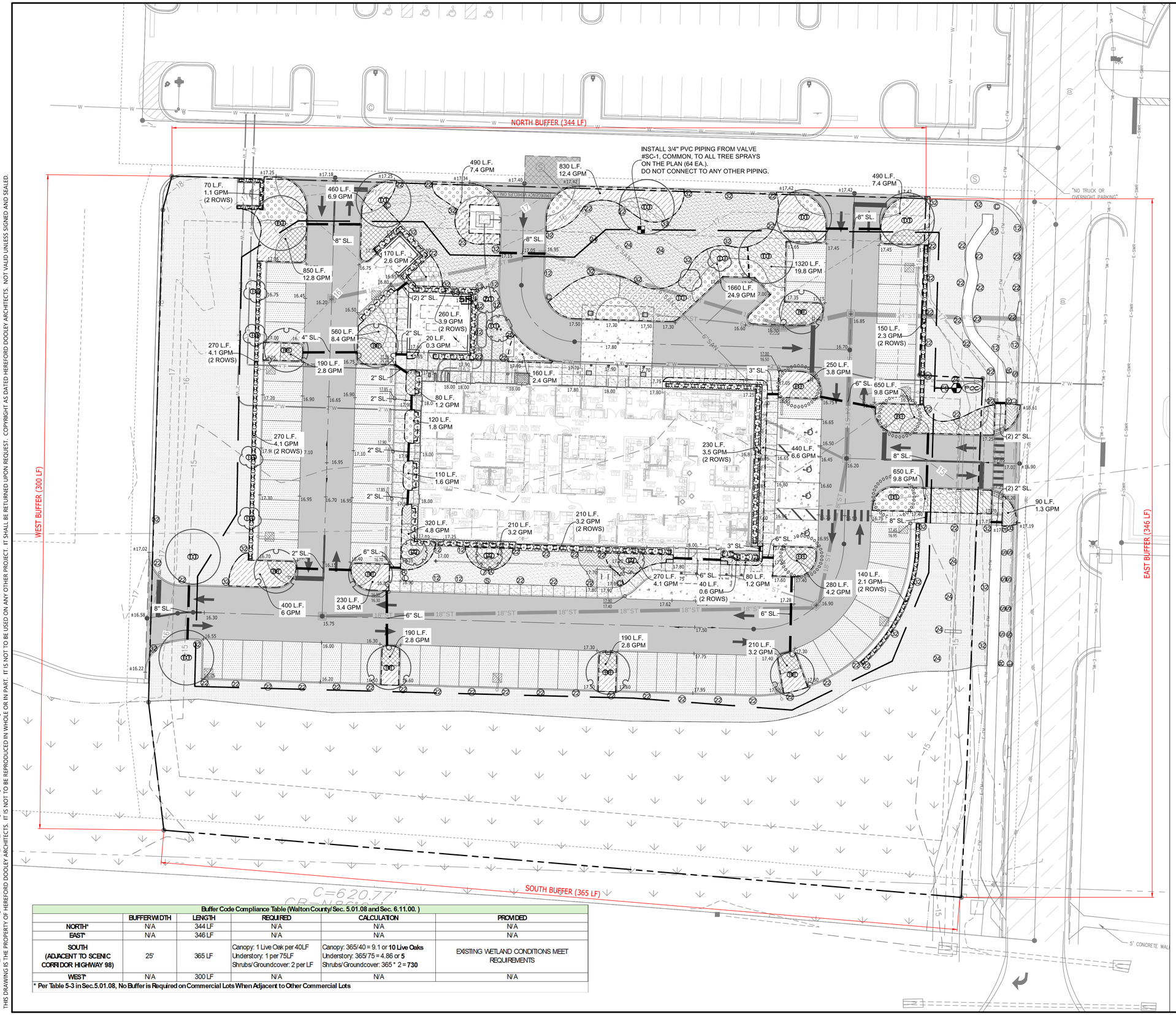
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LA 6667315
STATE OF FLORIDA
12/18/2025

DATES OF ISSUANCE
12/18/2025
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TITLE: LANDSCAPE DETAILS

SHEET: L2.1



Buffer Code Compliance Table (Walton County/ Sec. 5.01.08 and Sec. 6.11.00.)					
	BUFFER WIDTH	LENGTH	REQUIRED	CALCULATION	PROVIDED
NORTH*	N/A	344 LF	N/A	N/A	N/A
EAST*	N/A	346 LF	N/A	N/A	N/A
SOUTH (ADJACENT TO SCENIC CORRIDOR HIGHWAY 98)	25'	365 LF	Canopy: 1 Live Oak per 40LF Understory: 1 per 75LF Shrubs/ Groundcover: 2 per LF	Canopy: 365/40 = 9.1 or **10 Live Oaks** Understory: 365/75 = 4.86 or **5** Shrubs/ Groundcover: 365 * 2 = **730**	EXISTING WETLAND CONDITIONS MEET REQUIREMENTS
WEST*	N/A	300 LF	N/A	N/A	N/A

* Per Table 5-3 in Sec.5.01.08, No Buffer is Required on Commercial Lots When Adjacent to Other Commercial Lots

IRRIGATION LEGEND

- POC — POINT OF CONNECTION TO BACKFLOW PREVENTER STUB OUT (BY OTHERS) 45 GPM AT 50 PSI REQUIRED
- HUNTER ICV-151-G MASTER VALVE AT POINT OF CONNECTION
- HUNTER FLOW SYNC WITH FITTINGS AS NECESSARY AT POINT OF CONNECTION
- LOCATION OF HUNTER A2C-1200-M CONTROLLER WITH I-TEM COMMUNICATIONS PACKA MOUNTED ON INTERIOR OF GENERATOR ENCLOSURE WALL
- HUNTER WSS-SEN SOLAR SYNC SENSOR MOUNTED ON TOP OF GENERATOR ENCLOSUI
- CL200 PVC SOLVENT WELD MAIN LINE ROUTING
- CL200 OR BETTER PVC SOLVENT WELD ZONE PIPE ROUTING
- SLEEVE LOCATION - CL200 FOR 6" AND LARGER - SCHEDULE 40 FOR 4" AND SMALLER
- HUNTER ICV-101G-FS-AS-ADJ 1" VALVE ASSEMBLY
- HUNTER ICV-151G-FS-AS-ADJ 1.5" VALVE ASSEMBLY
- LIMITS OF HUNTER HDL-COP .09 GPH, 12" O.C. DRIP TUBING
- HUNTER PROS-06-PRS30 WITH 5Q NOZZLE - TREES
- HUNTER PROS-06-PRS40-MPCORNER SPRINKLER
- HUNTER PROS-06-PRS40-MP1000-90 SPRINKLER
- HUNTER PROS-06-PRS40-MP2000-90 SPRINKLER
- HUNTER PROS-06-PRS40-MP2000-210 SPRINKLER
- HUNTER PROS-06-PRS40-MP2000-360 SPRINKLER
- HUNTER PROS-06-PRS40-MP3000-90 SPRINKLER
- HUNTER PROS-06-PRS40-MP3000-360 SPRINKLER
- HUNTER PROS-06-PRS40-MPLCS-515 SPRINKLER
- HUNTER PROS-06-PRS40-MPRCS-515 SPRINKLER
- HUNTER PROS-06-PRS40-MPSS-530 SPRINKLER

NOTES

1. SEE SHEET L4.0 FOR IRRIGATION NOTES.
2. SEE SHEET L4.1 FOR IRRIGATION DETAILS.

N

Know what's below. Call before you dig.

0 10 20 40 60
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TITLE: IRRIGATION PLAN

SHEET: L3.0

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PART 1 – GENERAL

DESCRIPTION

FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND TRANSPORTATION, UNLESS OTHERWISE SPECIFIED, NECESSARY TO PROVIDE AN AUTOMATIC IRRIGATION SYSTEM FOR LANDSCAPE PLANT MATERIALS AND TURF AND MULCH AREAS.

APPLICABLE STANDARDS

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS S376.1, "DESIGN, INSTALLATION AND PERFORMANCE OF UNDERGROUND, THERMOPLASTIC IRRIGATION PIPELINES."

ASTM D2774, "UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING."

ASTM D1785, POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE, SCHEDULES 40, 80, AND 120.

SUBSTITUTIONS

WHEREVER BRAND NAMES ARE USED IN THESE SPECIFICATIONS, USE ONLY THE BRAND SPECIFIED. MAKE NO SUBSTITUTIONS AS A PART OF THIS BID PACKAGE.

PART 2 – MATERIALS

PIPE

FURNISH ALL UNDERGROUND PIPING AS PVC EXCEPT FOR THE FLEXIBLE POLYETHYLENE (POLY PIPE) PIPING THAT IS TO BE USED BETWEEN THE LATERALS AND SPRINKLER HEADS. ALL MAIN LINE PVC PIPE SHALL BE SCHEDULE 40 PVC AND ALL ZONE PIPE SHALL BE CL200 PVC OR BETTER.

SIZE EACH SLEEVE TO ACCOMMODATE THE PIPES AND WIRES BEING ROUTED THROUGH IT. CONSULT WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR THE LOCATION, DEPTH, NUMBER AND SIZE OF ANY AVAILABLE EXISTING SLEEVES.

PIPE FITTINGS

FOR MAIN LINE PVC PIPE FITTINGS, USE PVC SCH. 40 FITTINGS AND USE THREADED FITTINGS FOR CONNECTION TO VALVES.

FOR PVC ZONE PIPE, USE SCHEDULE 40, SOLVENT WELD FITTINGS, MANUFACTURED FROM PVC 12454–B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2466, EXCEPT FOR THREADED FITTINGS. FOR THREADED APPLICATIONS, USE SCHEDULE 80 FITTINGS MANUFACTURED FROM PVC 12454– B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2467.

DO NOT USE MALE ADAPTERS FOR ANY APPLICATIONS. INSTEAD, USE A "TOE" NIPPLE GLUED INTO A SCHEDULE 40 COUPLER.

SEE DETAILS FOR SPRINKLER TO PIPE CONNECTIONS. NO "FLEX PVC"

SOLVENT CEMENT AND PRIMER

USE A MEDIUM OR HEAVY BODY GRAY SOLVENT CEMENT MANUFACTURED IN ACCORDANCE WITH ASTM D2564 AND PRIMER MANUFACTURED IN ACCORDANCE WITH ASTM F656.

SPRINKLERS

INSTALL HUNTER PROS–06–PRS30 SPRINKLERS WITH APPROPRIATE SCREENS AND NOZZLES FOR ALL TREE SPRAY APPLICATIONS.

INSTALL HUNTER PROS–06–PRS40 SPRINKLERS WITH APPROPRIATE SCREENS AND RVAN NOZZLES FOR ALL BAHIAGRASS AND ST. AUGUSTINE TURF APPLICATIONS EXCEPT FOR ROTOR AREAS.

INSTALL HUNTER PGP ULTRA SPRINKLERS WITH APPROPRIATE SCREENS AND NOZZLES FOR ALL ROTOR APPLICATIONS.

POINT OF CONNECTION

CONNECT TO THE THE POTABLE BFP STUBOUT CAPABLE OF 45 GPM AT 50 PSI.

NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES AS TO GALLONAGE AND PRESSURE BEFORE COMMENCING WITH THE INSTALLATION.

DRIP TUBING

INSTALL HUNTER HDL–COP .9 GPH, 12" O.C. TUBING FOR ALL DRIP LINE APPLICATIONS.

DRIP TUBING FITTINGS

INSTALL HUNTER TUBING FITTINGS FOR ALL DRIP LINE APPLICATIONS.

VALVE BOXES

USE 12 X 18 VALVE BOXES FOR ALL APPLICATIONS.

ELECTRIC VALVES

INSTALL ELECTRIC VALVES PER THE LEGEND WITH PRESSURE REGULATORS FOR ALL APPLICATIONS.

INSTALL FILTRATION ON ALL DRIP ZONE VALVES.

CONTROLLER

USE A CONTROLLER PER LEGEND AND NOTES. ASSURE THAT THE SYSTEM IS INTERFACED WITH A WSS–SEN SENSOR FOR THIS SYSTEM.

WIRE

USE U.F. WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS.

USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES.

USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES.

GROUNDING

GROUND THE CONTROLLER LOCATION IN ACCORDANCE WITH THE DETAIL AND THE MANUFACTURER'S RECOMMENDATIONS.

PART 3 – EXECUTION

A. GENERAL

INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS AND VALVES FOR REVIEW BY THE LANDSCAPE ARCHITECT/OWNER. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/ FLAGGING HAS BEEN APPROVED.

COORDINATE THE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE CONTRACTOR TO PROVIDE FOR CORRECT APPLICATION OF WATER TO THE PLANT MATERIAL.

PIPE TRENCH CONSTRUCTION

PROVIDE FOR A MINIMUM DEPTH OF COVER OF 18" FOR ALL MAIN LINE PIPE AND 12" OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISHED GRADE.

PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL–LOADED.

BACK FILL

PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE–GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN TWO INCHES IN DIAMETER, ROCKS, OR STONES.

TAMP THE BACK FILL IN LAYERS NOT TO EXCEED SIX INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST SIX INCHES ABOVE THE TOP OF THE PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THOROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING PIPE DURING THIS PHASE OF THE OPERATION. ASSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

FITTING AND PIPE CONNECTIONS

SQUARE CUT, CLEAN AND PRIME ALL JOINTS BEFORE CEMENTING.

FULLY ENGAGE ALL JOINTS WHILE CEMENTING.

PVC FITTINGS – MAKE ALL SOLVENT WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT WELDED JOINTS AT LEAST ONE (1) HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST TWENTY–FOUR HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING ONE INCH TEFLON TAPE.

FLUSHING PIPELINES

FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF THREE FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF:

T = 2L/3 WHERE T = TIME IN SECONDS
& L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN PIPELINE.

INSTALLING ELECTRIC VALVE CONTROL WIRING

INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS, AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS INSTALL THE WIRE INSIDE OF A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES. INSTALL (2) EXTRA WIRES POWER FROM EACH CONTROLLER TO THE FARTHEST VALVE IN EACH DIRECTION OPERATED BY THAT CONTROLLER.

TAPE WIRING TOGETHER AT INTERVALS OF TEN FEET, USING 1/4 INCH FIBER REINFORCED TAPE.

USE A CONTINUOUS WIRE BETWEEN THE CONTROLLER AND VALVE. MAKE AN EXPANSION LOOP OF A MINIMUM 12 INCHES DIAMETER AT EACH WIRE CONNECTION. PROVIDE EXPANSION COILS OF WIRE AT NO MORE THAN 100 FOOT INTERVALS AND AT EACH DIRECTION CHANGE IN THE WIRE ROUTING.

ATTACH PERMANENT MARKINGS AT EACH END OF EACH WIRE TO IDENTIFY IT BY VALVE NUMBER.

PROVIDE A SEPARATE POWER WIRE FOR EACH CONTROL VALVE.

AUTOMATIC CONTROLLER INSTALLATION

LOCATION – VERIFY LOCATION WITH OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION.

VERIFY THAT SUFFICIENT SLEEVING EXISTS TO ALLOW ROUTING OF THE VALVE WIRING FROM THE CONTROLLER TO EACH VALVE.

VALVE INSTALLATION

INSTALL ALL AUTOMATIC ZONE VALVES AND GATE VALVES IN VALVE BOXES. NUMBER EACH ZONE VALVE BOX ON THE UNDERSIDE AND TOPSIDE OF EACH VALVE BOX COVER WITH BLACK WATERPROOF MARKER FOR REFERENCE.

INSTALL ANY MAIN LINE ISOLATION VALVES AND QUICK COUPLING VALVES IN VALVE BOXES.

INSTALLATION OF SPRAY HEADS.

INSTALLATION SCHEDULE – INSTALL SPRAY HEADS AFTER THE SPRINKLER BODY ASSEMBLIES HAVE BEEN CLEANLY FLUSHED.

ORIENTATION – INSTALL POP–UP UNITS IN A PLUMB POSITION AND FIELD ADJUST SPRINKLER HEADS TO OBTAIN COMPLETE COVERAGE OF IRRIGATED AREA WITH MINIMUM OVER SPRAY ONTO PAVED SURFACES. HEADS ARE TO BE LOCATED ON A MAXIMUM SPACING OF 55% OF THE SPRINKLER COVERAGE DISTANCE AND CLOSER WHERE INDICATED. ADJUST NOZZLE DISTANCE AS NEEDED TO COVER PLANT MATERIALS AND MINIMIZE OVER SPRAY ON STRUCTURES AND PAVEMENT. ALIGN POP–UP SPRAY HEADS IN A VERTICAL ORIENTATION AS SHOWN IN THE DETAILS. ADJUST AS NECESSARY TO PROVIDE THE BEST COVERAGE IN SLOPED AREAS.

TESTING

PRESSURE TEST THE SYSTEM MAIN LINE BEFORE APPRECIABLY BACKFILLING.

PRESSURE TEST THE SYSTEM MAIN LINE, IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE, FOR A PERIOD OF NO LESS THAN FOUR HOURS, CONTINUOUSLY, AT A PRESSURE OF NO LESS THAN 100 PSI WITH NO LEAKS AND ASSURE THAT ANY TESTS OF THE SYSTEM MAIN LINE MEET THE APPLICABLE COUNTY PLUMBING CODES. IF LEAKAGE OCCURS, REMEDY THE LEAKAGE PROBLEM AND RETEST. REPEAT THIS PROCESS AS MANY TIMES AS NECESSSARY UNTIL A SUCCESSFUL TEST IS PERFORMED.

INSPECTIONS

THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

INSPECTION OF FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION – NOTIFY 48 HOURS IN ADVANCE.

SPRINKLER COVERAGE TEST – NOTIFY 48 HOURS IN ADVANCE.

FINAL INSPECTION – NOTIFY 48 HOURS IN ADVANCE.

TESTING

COVERAGE TESTS – CONDUCT SPRINKLER COVERAGE TESTS UNDER NORMAL OPERATING PRESSURE CONDITIONS BEFORE ANY GROUND COVER OR TURF IS PLANTED. CORRECT AND FIELD ADJUST SPRINKLER ORIENTATION TO PROVIDE UNIFORM PRECIPITATION OVER THE IRRIGATED AREA AND MINIMIZE OVER SPRAY ONTO PAVED SURFACES AND BUILDINGS.

WARRANTY

THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN ONE YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND HIS LABOR.

DRAWING OF RECORD

THE CONTRACTOR SHALL SUPPLY TO THE OWNER A DRAFTED, SCALED, REPRODUCIBLE PLAN SHOWING ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, INCLUDING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER, AND WIRE ROUTING. THIS PLAN MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED ON THIS PLAN. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO (2) DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE.

ADDITIONAL SUBMITTALS

SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL–RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

RAIN GAUGE

ASSURE THAT EACH CONTROLLER IS INTERFACED WITH A RAIN SWITCH WHICH WILL SHUT THE SYSTEM OFF IN CASE OF RAIN OR FREEZING WEATHER.

MISCELLANEOUS

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS. CONTACT THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF IN ANY DOUBT OF HEAD, LINE OR ZONE PLACEMENT.

ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPED AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THESE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE CODES.

THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES.

FIELD ADJUST NOZZLE SELECTION LOCATIONS AND PLUMB OF SPRINKLERS TO PROVIDE PROPER COVERAGE.

GOVERNING REGULATIONS

INSTALL THE IRRIGATION SYSTEM IN ACCORDANCE WITH LOCAL CURRENT IRRIGATION REGULATIONS AND REQUIREMENTS.

WATER STAR INSTALLATION REQUIREMENTS

ASSURE THAT THE SYSTEM IS INSTALLED WITHIN THE FOLLOWING PARAMETERS:

GENERAL

IRRIGATION ZONES FOR TURF GRASS AND LANDSCAPE BEDS ARE SEPARATE.
SPRINKLERS AND EMITTERS ARE LOCATED A MINIMUM OF 2 FEET FROM STRUCTURES.
IRRIGATION SYSTEM IS FREE FROM LEAKS.
SPRINKLERS IN LOW–LYING AREAS HAVE CHECK VALVES.
SPRINKLERS RISE ABOVE TURF GRASS HEIGHT.
APPLICATION OCCURS IN CORRECT SPRAY PATTERNS, MINIMIZING OVERSPRAY ON IMPERVIOUS SURFACES.

UNIFORMITY

PIPES ARE SIZED TO PREVENT VELOCITIES GREATER THAN 5 FEET PER SECOND.
PRECIPITATION RATES FOR ALL SPRINKLERS WITHIN A ZONE ARE MATCHED.
HEAD SPACING DOES NOT EXCEED 50% OF THE NOZZLE THROW DIAMETER.
ALL ZONES ARE PRESSURE REGULATED AT THE MANUFACTURER'S SPECIFIED PRESSURE FOR THE SPRINKLERS/EMITTERS INSTALLED WITHIN THE ZONE.
VARIABLE–ARC NOZZLES (VANS) ARE ONLY USED TO IRRIGATE UNEVENLY SHAPED TURF GRASS AREAS THAT CANNOT BE EFFECTIVELY IRRIGATED WITH FIXED–SPRAY NOZZLES.

OPERATION AND SCHEDULING

A DEVICE WITH RAIN SHUT–OFF CAPABILITIES IS INSTALLED IN AN OPERABLE LOCATION AND IS
FUNCTIONING.

THE IRRIGATION SCHEDULE FOR MAINTENANCE DOES NOT EXCEED 25 INCHES (15.5 GALLONS) PER
SQUARE FOOT ANNUALLY, AND THE CONTROLLER IS SET IN COMPLIANCE WITH WATER MANAGEMENT DISTRICT WATERING RESTRICTIONS.

WATER BUDGET COMPLIANCE

CONTRACTOR TO PROVIDE THE OWNER WITH A WATER BUDGET COMPLIANCE REPORT. IT IS RECOMMENDED THAT THE FLORIDA WATER STAR SM WATER BUDGET CALCULATOR BE USED. FOR MORE INFORMATION, SEE THE FLORIDA WATER STAR SM TECHNICAL MANUAL WEB PAGES.

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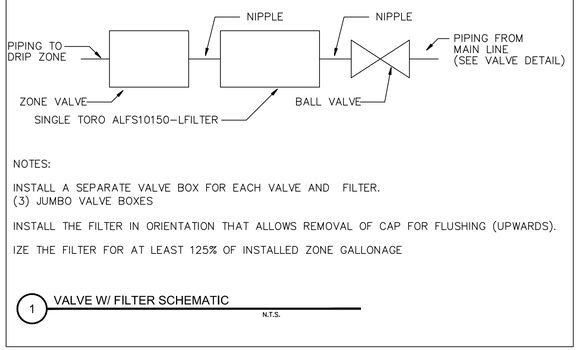
STATUS: CONSTRUCTION DOCUMENTS

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
12/18/2025

DATES OF ISSUANCE
12/18/2025

SHEET TITLE: IRRIGATION NOTES

SHEET: L4.0



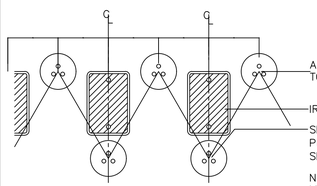
NOTES:

INSTALL A SEPARATE VALVE BOX FOR EACH VALVE AND FILTER. (3) JUMBO VALVE BOXES

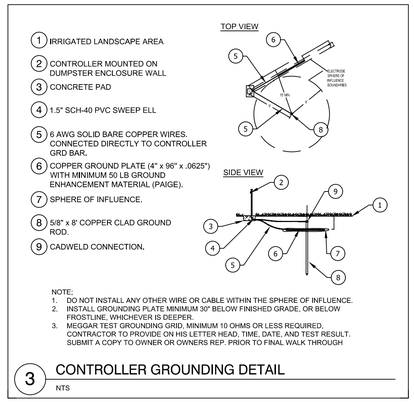
INSTALL THE FILTER IN ORIENTATION THAT ALLOWS REMOVAL OF CAP FOR FLUSHING (UPWARDS).

IZE THE FILTER FOR AT LEAST 125% OF INSTALLED ZONE GALLONAGE

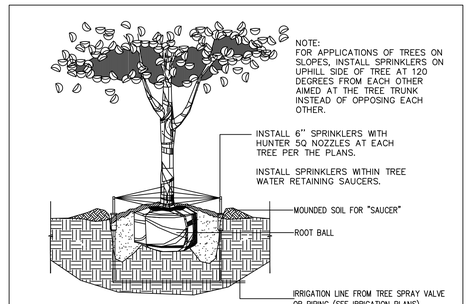
1 VALVE W/ FILTER SCHEMATIC
N.T.S.



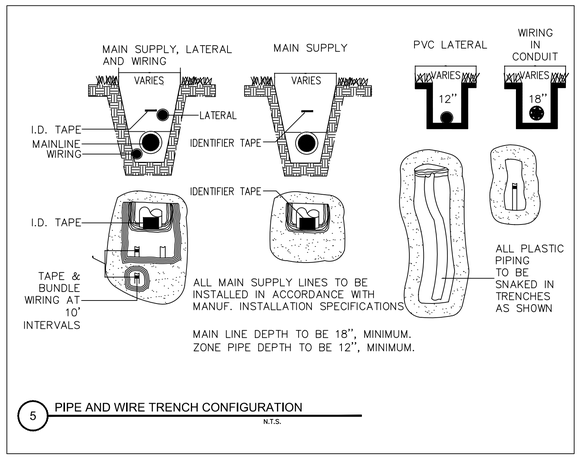
2 TYPICAL VALVE BOX GROUPING
N.T.S.



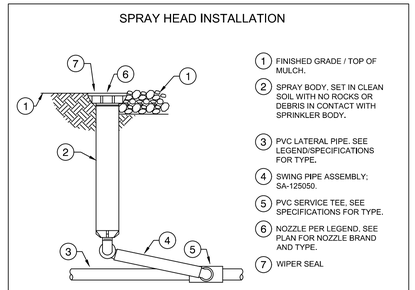
3 CONTROLLER GROUNDING DETAIL
NTS



4 TREE SPRINKLER LOCATIONS
N.T.S.

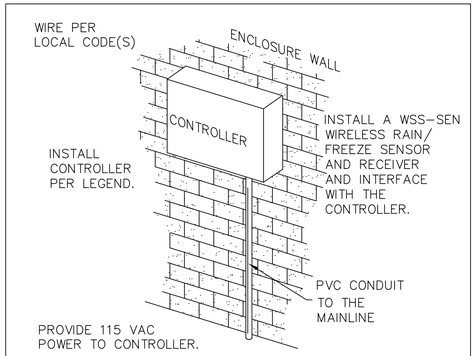


5 PIPE AND WIRE TRENCH CONFIGURATION
N.T.S.

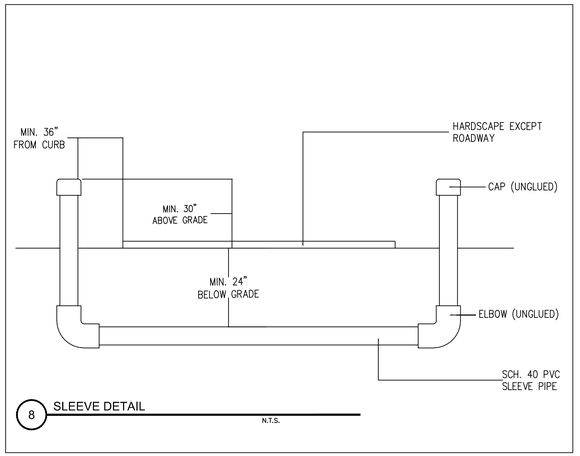


NOTES:
1. COMPACT SOIL AROUND POP-UP HEAD TO 95% OF SURROUNDING SOIL DENSITY.
2. INSTALL POP-UP HEAD PERPENDICULAR AND FLUSH TO FINISHED GRADE.
3. PLACE POP-UP HEAD MINIMUM 6-INCHES OFF TREE ROOT BALL.

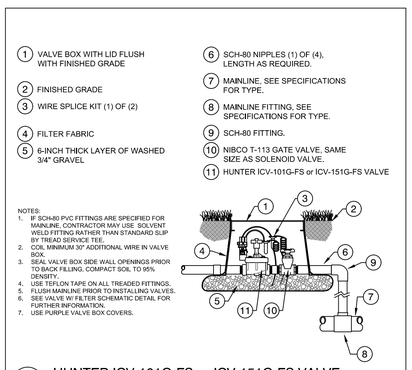
6 Sprinkler Installation
NTS 6" Pop-Up Sprinklers



7 WALL MOUNT CONTROLLER
NTS

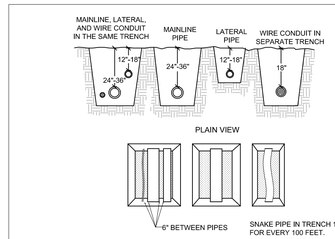


8 SLEEVE DETAIL
N.T.S.



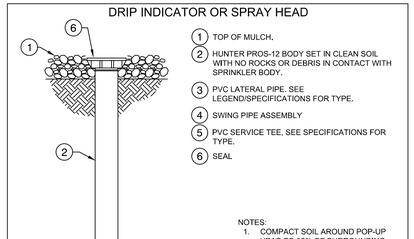
NOTES:
1. IF SCH-80 PVC FITTINGS ARE SPECIFIED FOR MAINLINE, CONTRACTOR MAY USE SOLVENT WELD FITTING RATHER THAN STANDARD SLIP BY TREAD SERVICE TEE.
2. COIL MINIMUM 30" ADDITIONAL WIRE IN VALVE BOX.
3. SEAL VALVE BOX SIDE WALL OPENINGS PRIOR TO BACK FILLING. COMPACT SOIL TO 95% DENSITY.
4. USE TEFLON TAPE ON ALL TREADED FITTINGS.
5. FLUSH MAINLINE PRIOR TO INSTALLING VALVES.
6. SEE VALVE W/ FILTER SCHEMATIC DETAIL FOR FURTHER INFORMATION.
7. USE PURPLE VALVE BOX COVERS.

9 HUNTER ICV-101G-FS or ICV-151G-FS VALVE
NTS WITH GATE VALVE



NOTE:
1. MINIMUM PIPE DEPTH SHALL BE PER DETAIL / LOCAL / STATE CODES, FROSTLINE, WITCH EVER IS MOST STRINGENT.
2. MAINLINE AND LATERAL PIPE, TYPE AND DEPTH UNLESS OTHERWISE NOTED IN SPECIFICATIONS.
3. PIPE IN THE SAME TRENCH SHALL HAVE MINIMUM 6" HORIZONTAL & VERTICAL SEPARATION.
4. IF ROCK OR OTHER DEBRIS IS ENCOUNTERED, CONTRACTOR SHALL SHALL HAVE MINIMUM IMBED PIPE 3/4"-2" IN 4" OF SAND, AND 3"- 4" IN 6" OF SAND. FOR LARGER PIPE. SEE SPECIFICATIONS
5. COMPACT BACKFILL TO 95% DENSITY.
6. CONTRACTOR TO REPAIR ALL SINK HOLES AND DEPRESSIONS UNDER WARRANTY PERIOD AT NO COST TO OWNER.
7. LATERAL PIPE IN R.O.W. SHALL HAVE MINIMUM 18" COVER.

10 PIPE TRENCH DETAIL
NTS



NOTES:
1. COMPACT SOIL AROUND POP-UP HEAD TO 95% OF SURROUNDING SOIL DENSITY.
2. INSTALL POP-UP HEAD PERPENDICULAR AND FLUSH TO FINISHED GRADE.
3. PLACE POP-UP HEAD A MINIMUM OF 24" OFF OF BUILDING STRUCTURES, 4" OFF OF SIDE WALKS AND 6" OFF OF FENCES.

11 12" Indicator or Spray Head Installation
NTS Pop-Up Sprinkler

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STATUS: CONSTRUCTION DOCUMENTS

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
12/18/2025

DATES OF ISSUANCE
12/18/2025

SHEET TITLE: IRRIGATION DETAILS

SHEET: L4.1

DETAIL NOTES:

INSTALL AUTOMATIC DRIP LINE FLUSHING VALVES THAT WILL FLUSH APPROXIMATELY ONE GALLON OF IRRIGATION WATER AT THE BEGINNING OF EACH IRRIGATION CYCLE.

INSTALL HUNTER AFV-B AUTOMATIC FLUSH VALVE OR EQUAL AUTOMATIC LINE FLUSHING VALVE.

INSTALL A LINE FLUSHING VALVE AND A DRIP AIR RELIEF VALVE AT THE SUPPLY MANIFOLD, AT THE FAR ENDS OF THE DRIP TUBING AND AT EVERY 7 GPM INTERVAL OR PART THEREOF OF DRIP TUBING.

INSTALL A HUNTER PROS-12-PRS30 WITH A CLOSED NOZZLE AT THE END(S) OF DRIP AREAS.

INSTALL LANDSCAPE STAPLES EVERY 2-4 FEET OF DRIP TUBING TO STABILIZE THE TUBING.

INSTALL A FILTER BETWEEN THE ISOLATION VALVE AND ANY DRIP ZONE VALVE(S). INSTALL FILTER(S) RATED FOR AT LEAST 125 PERCENT OF THE DRIP ZONE GALLONAGE STATED ON THE PLANS AND THE DRIP ZONE GALLONAGE INSTALLED.

INSTALL THE FILTER(S) IN AN ORIENTATION THAT ALLOWS THE MAINTENANCE PERSONNEL EASY ACCESS TO THE FILTER FOR FLUSHING AND SUPPLY THE OWNER WITH ALL ITEMS NECESSARY FOR FLUSHING THE FILTERS, INCLUDING ANY SHUT-OFF VALVES AND HOSES.

1 DETAIL VARIATION NOTES 12-18-2012 N.T.S.

20250195_L4.0_IRR

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

INSTALL THE SYSTEM IN ACCORDANCE WITH THE LOCAL CODES REGARDING IRRIGATION SYSTEMS.

CONNECT TO THE BACKFLOW PREVENTER WHERE SHOWN ON THE PLANS FOR THE POINT OF CONNECTION.

2 GENERAL IRRIGATION NOTES N.T.S.

INSTALL HUNTER HDL-COP TUBING WITH ALL FITTINGS AS NECESSARY FOR ALL DRIP TUBING (GROUND COVER AND SHRUB) APPLICATIONS.

INSTALL A LINE OF TUBING 2" TO 4" FROM HARDSCAPE AND BEDLINES.

INSTALL A MINIMUM OF 2 ROWS OF TUBING IN ANY AREA.

INSTALL TUBING ROWS ON 12" SPACING MAXIMUM.

4 DRIP TUBING NOTES N.T.S.

HDL-COP DRIPLINE MAXIMUM LATERAL LENGTHS (FEET)

PSI	.9 GPH
15	155
20	169
30	230
40	255
50	285
60	290

3 XFS DRIPLINE MAXIMUM LENGTHS 12-18-2012 N.T.S.

20250195_L4.0_IRR

INSTALL TUBING AT FINISHED GRADE UNDER THE MULCH.

LOOP ALL RUNS OF TUBING WITH A MAXIMUM LOOP DISTANCE FROM THE SUPPLY MANIFOLD OF 350'.

INSTALL ONE PROPERLY SIZED FILTER WITH A STAINLESS STEEL 150 TO 200 MESH SCREEN FOR EACH VALVE.

INSTALL A VACUUM/AIR RELIEF VALVE AT THE OPPOSITE ENDS OF THE LOOPED DRIP NETWORK AND AT THE TERMINATION OF THE SUPPLY MANIFOLD FROM THE AUTOMATIC VALVE.

INSTALL AN AUTOMATIC LINE FLUSHING VALVE AT ALL AIR/VACUUM RELIEF VALVE LOCATIONS WITH ALL FITTINGS AS NECESSARY TO FLUSH THE SYSTEM INTO THE LANDSCAPE, WHEN THE ZONE COMMENCES OPERATION..

INSTALL A DRIP OPERATION INDICATOR AT THE END(S) OF THE DRIP TUBING LIMITS.

DRIP TUBING QUANTITIES AND GALLONAGES ON PLANS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT QUANTITIES AND GALLONAGES AND CONFIRM THE SYSTEM CAPABILITY TO PROVIDE THOSE GALLONAGES. CONTRACTOR TO BE PAID FOR ACTUAL QUANTITY OF DRIP TUBING AND BLANK TUBING INSTALLED UP TO A MAXIMUM QUANTITY AS SHOWN ON THE PLANS.

QUANTITIES ON PLANS DO NOT INCLUDE BLANK TUBING, LINE FLUSHING VALVES, AIR RELIEF VALVES OR PVC HEADERS. INCLUDE THESE ITEMS AND ANY OTHER ITEMS NECESSARY FOR A FULLY FUNCTIONING AUTOMATIC SYSTEM IN BID AND INSTALLATION.

INSTALL LANDSCAPE STAPLES 6' O.C. AND ANYWHERE ELSE NECESSARY TO SECURE TUBING TO THE GROUND.

FOLLOW THE MANUFACTURER'S INSTALLATION GUIDELINES INCLUDED WITH THE PRODUCTS.

DO NOT CURVE TUBING TO LOOP AT THE ENDS OF RUNS. INSTEAD USE (2) 90 DEG. FITTINGS AND A SHORT PIECE OF TUBING.

5 DRIP TUBING NOTES (CONTINUED) N.T.S.

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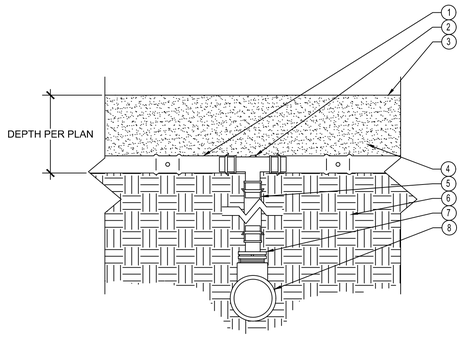
STATUS: CONSTRUCTION DOCUMENTS

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
12/18/2025

DATES OF ISSUANCE
12/18/2025

TITLE: IRRIGATION DETAILS

SHEET: L4.2

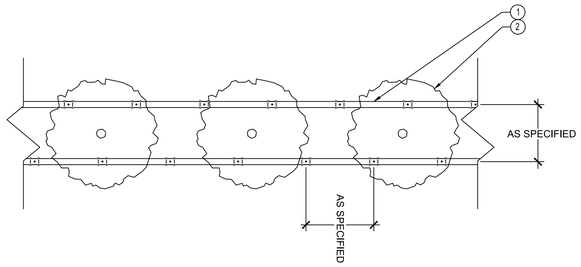


LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. HDL RISER - LENGTH AS REQUIRED
6. SOIL
7. PLD OR PLD-LOC FITTING
8. PVC SUPPLY HEADER - SIZE PER PLAN

1 HUNTER DRIPLINE - CONNECTION WITH DRIPLINE AND TEE

Hunter HM.HDL.06

NOT TO SCALE



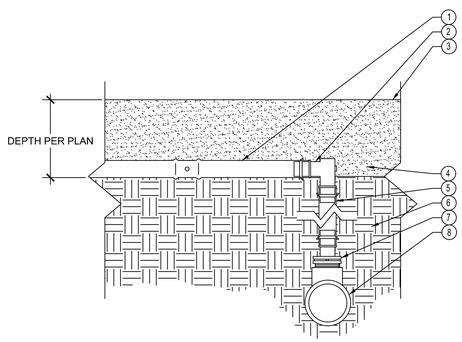
LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. HEDGE ROW (SEE PLANTING PLAN)

NOTES
TRIANGULATE EMITTERS TO MAXIMIZE COVERAGE

2 HUNTER DRIPLINE - HEDGE ROW

Hunter HM.HDL.11

NOT TO SCALE

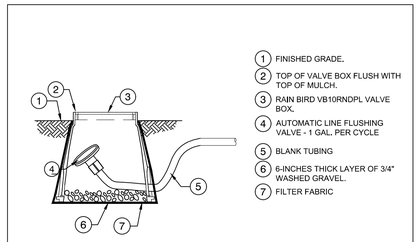


LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. HDL RISER - LENGTH AS REQUIRED
6. SOIL
7. PLD OR PLD-LOC FITTING
8. PVC SUPPLY HEADER - SIZE PER PLAN

3 HUNTER DRIPLINE - CONNECTION WITH DRIPLINE AND ELBOW

Hunter HM.HDL.04

NOT TO SCALE



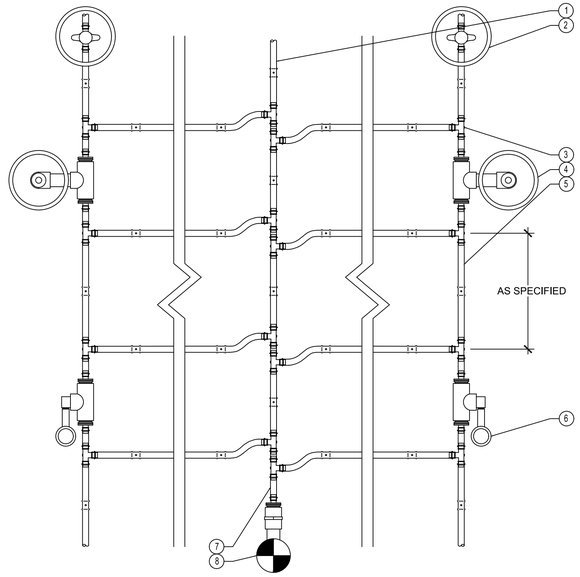
CONTRACTOR MUST PLACE (1) FLUSHING ADAPTER FOR EVERY (7) GPM FLOW PER DRIP GRID. MINIMUM (1) PER DRIP GRID.

NOTE:
1. INSTALL A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

1. FINISHED GRADE.
2. TOP OF VALVE BOX FLUSH WITH TOP OF MULCH.
3. RAIN BIRD VB10RNDPL VALVE BOX.
4. AUTOMATIC LINE FLUSHING VALVE - 1 GAL. PER CYCLE
5. BLANK TUBING
6. 6-INCHES THICK LAYER OF 3/4" WASHED GRAVEL.
7. FILTER FABRIC

4 AUTOMATIC DRIP FLUSHING VALVE

NTS



LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
3. PLD OR PLD-LOC FITTINGS TYP.
4. AIR RELIEF VALVE IN VALVE BOX
5. PLD TUBING EXHAUST HEADER
6. ECO-INDICATOR ON SWING ARM
7. HDL TUBING SUPPLY HEADER
8. DRIP CONTROL ZONE KIT PER PLAN

NOTES
AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE AIR RELIEF VALVES MAY BE NEEDED TO ACCOMMODATE DIFFERENCES IN GRADE.

ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.

FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

5 HUNTER DRIPLINE - PLANTING BED CENTER FEED

Hunter HM.HDL.02

NOT TO SCALE

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FL 32459
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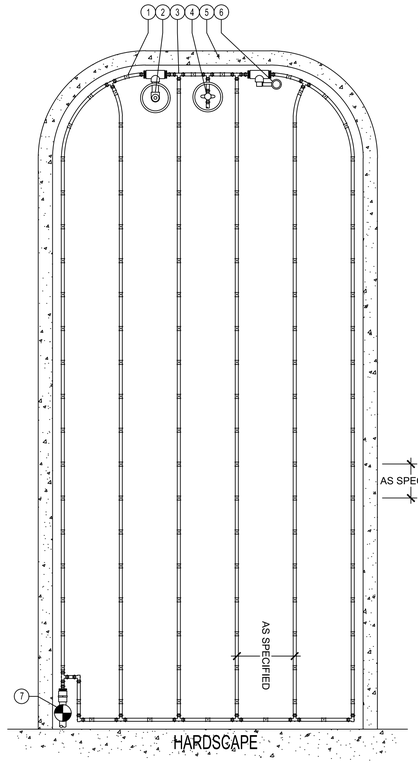
STATUS
CONSTRUCTION DOCUMENTS

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
12/15/2025

DATES OF ISSUANCE
12/18/2025
△

TITLE
IRRIGATION DETAILS

SHEET
L4.3



LEGEND:

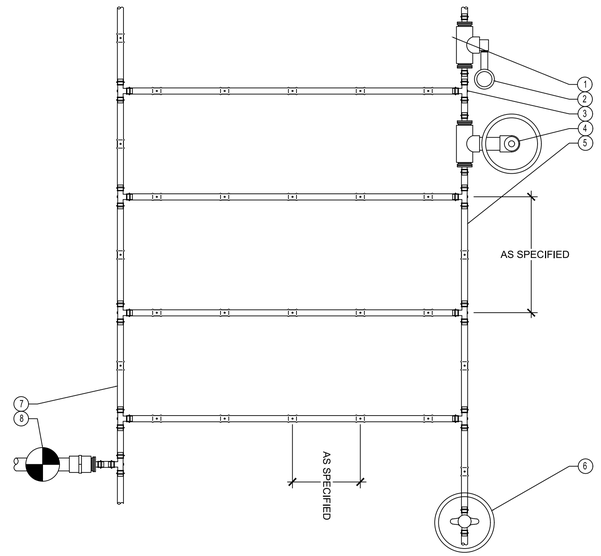
1. HUNTER DRIPLINE (HDL) PER PLAN
2. AIR RELIEF VALVE IN VALVE BOX
3. PLD OR PLD-LOC FITTINGS TYP.
4. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
5. LANDSCAPE ISLAND CURB
6. ECO-INDICATOR ON SWING ARM
7. DRIP CONTROL ZONE KIT PER PLAN

NOTES
AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE AIR RELIEF VALVES MAY BE NEEDED TO ACCOMMODATE DIFFERENCES IN GRADE.

ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.

FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

1 HUNTER DRIPLINE - PARKING LOT ISLAND
Hunter HM.HDL.03
NOT TO SCALE



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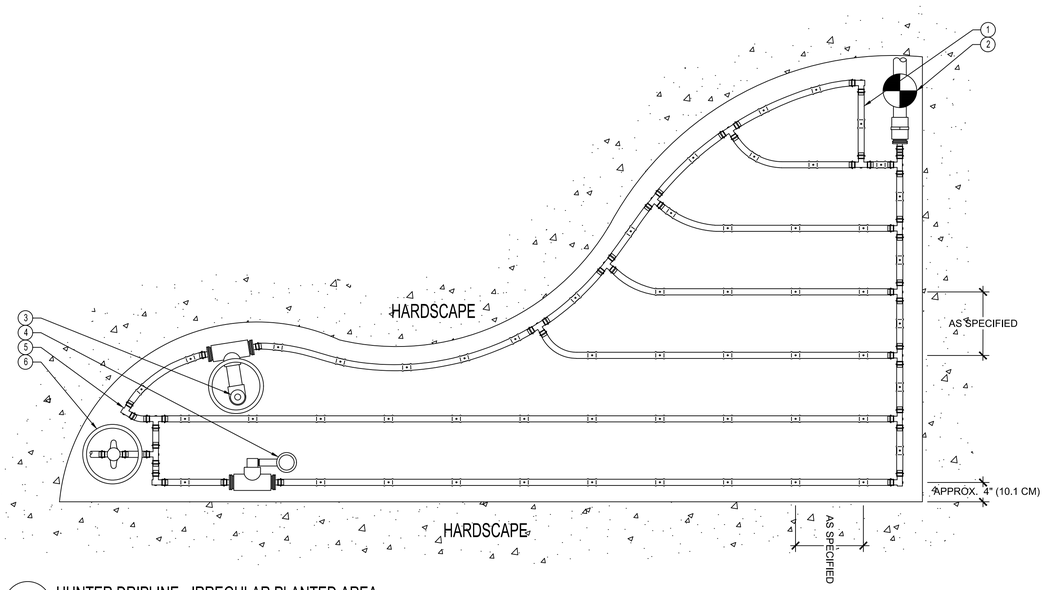
1. HUNTER DRIPLINE (HDL) PER PLAN
2. ECO-INDICATOR ON SWING ARM
3. PLD OR PLD-LOC FITTINGS TYP.
4. AIR RELIEF VALVE IN VALVE BOX
5. HDL TUBING EXHAUST HEADER
6. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
7. HDL TUBING SUPPLY HEADER
8. DRIP CONTROL ZONE KIT PER PLAN

NOTES
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FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

2 HUNTER DRIPLINE - PLANTING BED
Hunter HM.HDL.01
NOT TO SCALE



LEGEND:

1. HUNTER DRIPLINE PER PLAN
2. DRIP CONTROL ZONE KIT PER PLAN
3. AIR RELIEF VALVE IN VALVE BOX
4. ECO-INDICATOR ON SWING ARM
5. PLD OR PLD-LOCK FITTING (TYP.)
6. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN

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FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

3 HUNTER DRIPLINE - IRREGULAR PLANTED AREA
Hunter HM.HDL.02
NOT TO SCALE

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TITLE: IRRIGATION DETAILS

SHEET L4.4

STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

DESIGN CRITERIA

1. Building Code: Florida Building Code, Eighth Edition (2023) and ASCE 7-22 with Supplements No. 1 and 2 (except Chapter 14)

   1.1 Building Risk Category: IV

2. Design Loads

   2.1 Uniform Floor Live Loads (reduced per Building Code, UNO)

General Areas	100 psf
Mechanical Rooms	150 psf

   2.2 Concentrated Floor Live Loads (distributed over 2.5 ft x 2.5 ft, UNO)

Hospitals	1,000 lbs

   2.3 Roof Loads

   2.3.1 Uniform Roof Live Load 20 psf (reduced per Bldg. Code)
   Concentrated Roof Live Load 300 lbs

   2.3.2 Snow Loads: Ground Snow, Pg = 8 psf (with drift loads per Code)

   2.3.3 Rain Loads: Rain Intensity, i = 8.78 in/hr (15-min duration/ 100 yr MRI)
   Rain Load, R = 29 psf

   2.4 Wind Loads
   Basic Wind Speed V(ult)= 168 mph; V(asd)= 130 mph
   Tornado Wind Speed VT = 68 mph
   Wind Exposure C
   Internal Pressure Coefficient, GCpi = +/-0.18 (Enclosed Building)
   Tornado Internal Pressure Coefficient, GCpi,T = +/-0.55 (Partially Enclosed)
   Directionality Factor, Kd = 0.85
   Tornado Directionality Factor, KdT (MWFRS) = 0.80
   KdT (C+C) = 0.75 Except Zone 1'
   KdT (C+C) = 0.90 Zone 1'
   Effective Plan Area, Ae = 19,800 sf

   2.4.1 Component and Cladding Pressures (psf): See S005

   2.4.2 Roof Top Equipment Pressures: 99 psf

   2.4.3 Solid Freestanding Walls & Solid Signs: 81 psf

   2.5 Earthquake Loads
   Seismic Importance Factor, I = 1.50
   Mapped Spectral Response Accelerations, Ss and S1 = 0.099 and 0.06
   Site Class: D
   Spectral Response Coefficients, Sds and Sd1 = 0.096 and 0.086
   Seismic Design Category: C

3. Horizontal structural members (beams, slabs, etc.) will deflect under dead and live loads. Construction connected to horizontal structural members will have to accommodate this deflection. The following table provides upper estimates of the deflection that should occur:

	Live	Dead + Live Load
Roof Members	L/360 or 1"	L/240

   where L = member span (for cantilevers, L = twice the cantilever length)

4. Structural Engineer is not responsible for the design of handrails, curtain wall/window wall systems, cold-formed steel framing, or other systems not shown in the Structural Documents. Such systems shall be designed, furnished, and installed as required by other portions of the Construction Documents.

5. No explicit provisions have been made for future building expansion.

GENERAL

1. Reference to standards or specifications of technical societies, organizations, or associations means the standard or specification referenced by the governing Building Code shown on the Drawings, unless specifically noted otherwise.

2. Material, workmanship, and design shall conform to the referenced Building Code.

3. For dimensions not shown in the Structural Drawings, see the Architectural Drawings.

4. Contractor responsibilities include, but are not limited to, the following:

   4.1 Coordinate the Structural Documents with the Architectural, Mechanical, Electrical, Plumbing, and Civil Documents. Architect/Structural Engineer shall be notified of any discrepancy or omission prior to installation of associated work.

   4.2 Coordinate Structural Documents with Architectural and MPE Documents for location and quantity of miscellaneous framing for items such as roof drains, suspended or supported mechanical units, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.

   4.3 Equipment/Framing Verification

   4.3.1 Mechanical Equipment: Submit actual weights of equipment to be used for review at least 3 weeks prior to fabrication and construction. Coordinate opening sizes and locations with Mechanical Contractor.

   4.3.2 Miscellaneous Framing: Verify framing shown on the Structural Drawings for mechanical equipment, Owner-furnished items, partitions, etc. is consistent with the requirements of such items.

   4.4 The structure is stable only in its completed form. Temporary supports required for stability during all intermediate stages of construction shall be designed, furnished, and installed by the Contractor.

   4.5 Contractor has sole responsibility for jobsite safety and complying with all health and safety precautions as required by any regulatory agency. In performing construction observation visits to the jobsite, the Structural Engineer will have no control over, nor responsibility for, the Contractor's means, methods, sequences, techniques, or Procedures in performing the work.

   4.6 Contractor is responsible for locating concrete reinforcement prior to installation of post-installed anchors, through bolts, or other post-installed items in concrete. Existing reinforcement including post-tensioning tendons shall not be cut or otherwise damaged while installing post-installed anchors.

5. Contractor shall field verify all existing conditions, elevations, and site conditions prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.

SUBMITTALS

1. Shop Drawings and Submittals

   1.1 Reproduction of Structural Drawings for shop drawings is not permitted.

   1.2 Electronic drawing files will not be provided to the Contractor without a signed release form agreeing to indemnify, defend, and hold harmless SDG against all claims, liabilities, costs, and expenses out of any use, misuse, reuse, misrepresentation, or modification of the files.

   1.3 Review of shop drawings will be for conformance with the Construction Documents regarding arrangement and sizes of members and the Contractor's interpretation of the design loads, if applicable, and Construction Document details. Such review shall not relieve the Contractor of the full responsibility to comply with the Construction Documents.

2. Submittals

   2.1 The Structural Quality Assurance Plan and Specifications identify the required submittals. Prior to (or with) the first submittal, Contractor shall submit a list of all required submittals for Engineer's review.

   2.2 Email all submittals to submittals@sdg-structure.com

3. Deferred Submittals

   3.1 Deferred Submittals include those portions of the project that are furnished by the Contractor and designed by someone other than the Engineer of Record and are submitted at the time of the application. Deferred Submittals shall be submitted to the Building Official prior to fabrication and installation.

   3.2 Submittal documents for Deferred Submittals:

   3.2.1 Shall be included in the Contractor's scope of services and shall be sealed by an Engineer licensed in the project state. Design of Deferred Submittals shall be in accordance with the governing Building Code indicated above.

   3.2.2 Shall be submitted to the registered design professional in responsible charge who shall review them and forward to the Building Official with a notation indicating the deferred submittal documents have been reviewed and that they have been found in general conformance with the design of the building.Deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

3.3 The following shall be considered Deferred Submittals:
Steel Connections - See "Structural Steel" Section
Cold-Formed Exterior Steel Stud Framing
Rooftop Unit Anchorage
Rooftop Unit Curb Anchorage
Pre-engineered Canopies
Curtainwall/Window Wall Systems
Guardrails/Handrails
Slotted Channel Strut Framing (e.g. Unistrut)

FOUNDATION

1. Geotechnical Report: prepared by Terracon
Terracon Project No. HF255067, Dated October 20, 2025

   1.1 It is recommended that the Contractor become familiar with the subsurface conditions that will be encountered and obtain a copy of the geotechnical report and any supplemental reports. The report(s) may be included as a reference document within the construction documents. Otherwise the Contractor should contact the Owner to obtain a copy of the report(s).

2. Building Pad Preparation

   2.1 Strip vegetation, topsoil, and root mats.

   2.2 Compact building areas and a minimum of 10'-0" outside the building perimeter using at least eight overlapping passes of a vibratory drum roller divided into an equal number of passes in perpendicular directions. Refer to the geotechnical report for drum roller selection based on ground water conditions.

   2.3 Proofroll building areas with a minimum of two complete coverages of a vibratory roller or tandem-axle dump-truck (loaded to a gross weight of at least 20 tons) in each of two perpendicular directions. Replace soft areas with compacted structural fill.

   2.4 Place required site grading fill as early as possible in the construction process. Monitor for settlement using three or four protected surface benchmarks to confirm settlement has stabilized before advancing vertical construction.

   2.5 Compact the upper 12 inches below the footing bearing elevation to a minimum of 98% of the soil's modified Proctor (ASTM D-1557) maximum dry density.

   2.6 Compact the upper 12 inches below the floor slab elevation to a minimum of 95% of the soil's modified Proctor (ASTM D-1557) maximum dry density.

3. Soil Bearing Capacity: Isolated Footings 2,500 psf
Continuous Footings 2,500 psf

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

2. Reinforcement Placement (UNO)

   2.1 Concrete Reinforcement Clear Cover

Below Grade:	Unformed	3-in
	Formed	2-in
Beams/Girders (Stirrups)		1 1/2-in
Slabs on Ground		See details

   2.2 Masonry reinforcing steel: Place in the center of CMU cells, unless otherwise noted in Drawings.

3. Reinforcement Splices

   3.1 Reinforcement marked "Continuous" can be spliced at locations determined by Contractor. All other reinforcement shall be spliced only at locations shown or noted, unless approved in writing by Structural Engineer.

   3.2 Splice Lengths (UNO)
   Concrete Reinforcement: See Concrete Lap Splice Tables in Drawings
   Masonry Reinforcement: See CMU Lap Splice Tables in Drawings

CAST-IN-PLACE CONCRETE

1. Concrete Properties

   1.1 Normal Weight Structural Concrete

Member	28-day Strength f'c (psi)	Exposure Category F	S	W	C	Max. w/cm Ratio	Air Content +/-1.5%	Max. Nom. Aggregate Size
Footings	3,000	F0	S0	W1	C1	----	----	1-in
Slabs-on-Ground	3,500	F0	S0	W1	C1	0.48	----	3/4-in
Cast-in-Place Beams	4,000	F0	S0	W0	C0	0.48	----	1-in
Mechanical Equipment Pads:								
Interior	3,000	F0	S0	W0	C0	----	----	1-in
Exterior	3,000	F0	S0	W1	C1	----	5%	1-in
Other Structural Concrete	5,000	F3	S3	W1	C2	0.40	5%	3/4-in

2. Construction Joint Locations: No horizontal construction joints are permitted except as shown on the Structural Drawings. Obtain written consent for additional joints.

3. Pipes or ducts shall not exceed one-third the slab or wall thickness unless specifically detailed. See mechanical and electrical drawings for location of sleeves, accessories, etc.

   3.1 Conduit shall not be placed within the slab on ground. Conduit shall be installed below the slab on ground within the granular subbase.

4. Special Finishes: Refer to Architectural Drawings for molds, grooves, ornaments, clips or grounds required to be encased in concrete and for location of floor finishes and slab depressions.

5. Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.

6. Curing

   6.1 Begin curing procedures immediately following commencement of the finishing operation.

   6.2 Concrete shall be moist cured in accordance with ACI 308. See Specification for additional information.

NON-SHRINK GROUT

1. Non-shrink grout under steel base plates shall be a packaged hydraulic cement grout and conform to ASTM C1107.

2. Mixing of grout, surface preparation of concrete substrate, placement, thermal control, and curing of grout shall conform to the manufacturer s instructions.

3. Work related to the grout under steel base plates shall conform to all requirements of ACI 351.4-14, Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases .

4. The required minimum compressive strength at 28 days is 6,000 psi.

5. Mix grout to its fluid, self-leveling consistency, and place under base plate in a flowable state.

6. Use forms to contain grout. Forms shall be set at a distance from the edge of the baseplate on all sides equal to at least the thickness of the grout bed, and no less 1.5-in.

7. Non-shrink grout used for patching, repair, and other specific applications shall be submitted for review and approval by engineer.

STRUCTURAL NOTES CONTINUED ON S002

STRUCTURAL INDEX

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S002	STRUCTURAL NOTES CONTINUED
S003	STRUCTURAL QUALITY ASSURANCE PLAN
S004	STRUCTURAL QUALITY ASSURANCE PLAN CONTINUED
S005	WIND PRESSURE DIAGRAMS
S100	FOUNDATION PLAN
S110	ROOF FRAMING PLAN
S111	SCREEN WALL FRAMING PLAN
S200	FOUNDATION SECTIONS AND DETAILS
S201	FOUNDATION SECTIONS AND DETAILS
S202	FOUNDATION SECTIONS AND DETAILS
S203	MASONRY SECTIONS AND DETAILS
S204	MASONRY SECTIONS AND DETAILS
S205	SITE STRUCTURAL DETAILS
S300	FRAMING SECTIONS AND DETAILS
S301	FRAMING SECTIONS AND DETAILS
S302	FRAMING SECTIONS AND DETAILS
S303	FRAMING SECTIONS AND DETAILS
S304	FRAMING SECTIONS AND DETAILS
S310	OWNER FURNISHED EQUIPMENT

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Structural Design Group, Inc.
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Jody K. Bomar
FL Registration #0090957

DATES OF ISSUANCE
12/18/2025

SHEET TITLE: STRUCTURAL NOTES

S001

STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

CONCRETE MASONRY

1. Specified Compressive Strength, f'm = 2,000 psi

2. Concrete Masonry Units

   2.1 Minimum Net Area Compressive Strength of Masonry Unit: 2,000 psi
   (ASTM C90 w/ Type M or S Mortar)

   2.2 Weight: Lightweight

3. Mortar: Walls below grade Type M
   Bearing walls Type M or S

4. Coarse Grout: 2,500 psi min. compressive strength conforming to ASTM C476.

   4.1 Grout solid bond beams, reinforced CMU cores, and CMU cores and wall cavities below grade.

   4.2 Masonry webs on each side of grouted cells shall be fully mortared. Exterior single wythe CMU walls shall have head joints fully mortared.

5. Horizontal Joint Reinforcement, UNO: Two (2) No. 9 gage longitudinal wires at 16-in vertically. Lap wire 6 inches minimum. Provide accessories for corners, intersections, etc. Use ladder type for walls with vertical reinforcing.

6. Provide open bottom beam block units with 3-in deep minimum web openings at horizontal reinforcement locations not located over an opening. A minimum clear space of one bar diameter shall be provided between the reinforcing bars and the face of masonry units.

7. CMU has been designed assuming "running bond" placement. Do not use "stack bond" unless approved by Structural Engineer.

8. Contraction Joints: Unless noted otherwise on the Plans, maximum spacing of 1 1/2 times of wall height or 24 feet (whichever is less) in all concrete masonry walls (including partitions) above grade.

9. Submit written construction procedures prior to the start of masonry construction.

10. Contractor shall submit drawings coordinated with masonry and MPE contractors indicating the MPE penetrations through load bearing and non-load bearing walls. These drawings shall indicate the size and location of all penetrations and shall be submitted to the Architect/Structural engineer prior to installation.

STRUCTURAL STEEL

1. Steel Shapes

   1.1 W-Shapes: ASTM A992 (Grade 50)

   1.2 Angles, Channels, Plates, UNO: ASTM A36

      1.2.1 Column Stiffener and Web Doubler Plates: ASTM A572, Grade 50.

   1.3 Square/Rectangular/Round Hollow Structural Sections (HSS): ASTM A500, Grade C

   1.4 Pipe Structural Sections: ASTM A53, Grade B

2. Anchor Rods, Bolts, and Studs

   2.1 Anchor Rods: ASTM F1554, Grade 36. Headed Rods or threaded rods with plate washer and heavy hex nut.

   2.2 Bolts: 3/4" Diameter A325 minimum. All connections may be bearing type, UNO. Design bearing type connections for load values with threads included in the shear plane. Submit proposed bolt tightening procedure for review.

   2.3 The following connections are slip-critical:
   End plate connections
   Hanger connections
   Any field modified connection

   2.4 Headed Studs: AWS D1.1. See Details for Diameter, Length and Spacing. Length given is in-place length after burn-off.

3. Structural steel shall be fabricated and erected according to the "Specification for Structural Steel Buildings" referenced in the referenced Building Code.

4. Connections shall be detailed based on the design information provided in the Structural Documents.

   4.1 Standard Shear Connections: Detail as bolted or welded double-angle, single-plate, single-angle, or tee connections in accordance with the connection tables in the "Manual of Steel Construction" referenced in the referenced Building Code.

      4.1.1 Shear connections not defined in the AISC Manual shall be designed by an Engineer licensed in the project state. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by the Engineer, completed prior to and submitted with the Structural Steel Shop Drawings.

   4.2 Welded Connections: Prequalified welded joints in accordance with AISC and the Structural Welding Code of the American Welding Society; "Non-prequalified joints" shall be qualified prior to fabrication.

   4.3 Factored Design Forces/Reactions: As shown on the Structural Drawings or, if not shown, the factored design reaction shall be half of the "Maximum Total Uniform Load (LRFD)" tabulated in the "Manual of Steel Construction" referenced in the referenced Building Code.

   4.4 Steel connections not specifically detailed in the Structural Drawings shall be designed by the Contractor. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by an Engineer licensed in the project state, completed prior to and submitted with the Structural Steel Shop Drawings.

   4.5 Axial Tension Strength of Connections

      4.5.1 Where steel beams are non-composite and at roof deck areas, beam and girder end connections shall have a minimum nominal axial tensile strength equal to five percent of the required shear strength for LRFD.

5. Shop Drawings: Submittal shall adequately depict structural members and connections.

6. Welders shall be qualified for the work performed in accordance with AWS D1.1. Welder qualifications shall be certified by the local building authority and verified by the Contractor and the Special Inspector.

7. Galvanizing

   7.1 Galvanize environmentally exposed steel, for example mechanical equipment supports and screen walls.

   7.2 Galvanized members shall have proper treatment performed to accept paint.

   7.3 Touch-up welds and abrasions in galvanized members in accordance with ASTM A780.

STRUCTURAL STEEL (Cont.)

8. Shelf Angles Supporting Masonry Veneer

   8.1 All shelf angles supporting exterior building veneer are to be galvanized. Touch-up welds and abrasions in accordance with ASTM A780.

   8.2 Galvanized brick lintel angles receiving paint shall have proper treatment performed to accept paint.

   8.3 Sections and details presented in the structural documents may not be construed as defining the elevation of shelf angles. Elevations of shelf angles must be coordinated with the architectural drawings to ensure shelf angles are positioned at the proper elevation for masonry coursing.

   8.4 Contractor shall submit elevations and plans depicting all masonry shelf angles and their respective elevations for approval by the architect and structural engineer prior to construction.

POST-INSTALLED ANCHORS

1. Post-installed anchors shall only be installed where indicated on the structural drawings, unless approved by engineer of record.

2. The below products are the design basis for this project. Product diameter and embedment shall be as shown in the details. Install products IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). Refer to the project building code and/or evaluation report for special inspections and proof load requirements. Substitution requests for products other than those listed below may be submitted by the contractor to the Engineer-of-Record (EOR) for review. Substitutions will only be considered for products having a research report recognizing the product for the appropriate application under the project building code. Substitution requests shall include calculations that demonstrate the substituted product is capable of achieving the equivalent performance values of the design basis product.

3. For Anchoring into Concrete

   3.1 Expansion Anchors: Hilti Kwik Bolt TZ (ICC-ES ESR-1917), Simpson Strong-Bolt 2 (ICC-ES ESR-3037), DeWalt/Powers Power-Stud+ SD1 (ICC-ES ESR-2818), or DeWalt/Powers Power-Stud+ SD2 (ICC-ES ESR-2502). Minimum embedment = 6 times anchor diameter, UNO.

   3.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-2713), DeWalt Screw Bolt+ (ICC-ES ESR-3889) or Hilti Kwik HUS-EZ (ICC-ES ESR-3027). Minimum Embedment = 6 times anchor diameter, UNO.

4. For Anchorage into Solid Grouted Concrete Masonry

   4.1 Expansion Anchors: Hilti Kwik Bolt 3 (ICC-ES ESR-1385), Simpson Strong-Bolt 2 (IAPMO-UES ER-240), Simpson Wedge-All (ICC-ES ESR-1396) or DeWalt/Powers Power-Stud+ SD1 (ICC-ES ESR-2966). Minimum embedment = 6 times anchor diameter, UNO.

   4.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-1056) or DeWalt Screw-Bolt+ (ICC-ES ESR-4042), Hilti Kwik HUS-EZ (ICC-ES ESR-3056). Minimum Embedment = 6 times anchor diameter, UNO.

5. For Anchorage into Hollow Concrete Masonry

   5.1 Use screen tube approved by manufacturer and an adhesive conforming to Simpson Set-3G (ICC-ES ESR 4844), DeWalt/Powers AC100+ Gold (ICC-ES ESR-3200), or Hilti HIT-HY 70 Fast Cure Adhesive (ICC-ES ESR-2682).

6. Contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The structural Engineer of record must receive documented confirmation that all of the contractor's personnel who install anchors are trained prior to the commencement of anchor installation.

STEEL DECK

1. Steel Roof Deck: See plan for gage, galvanized.

2. Submit shop drawings with the manufacturer's catalog demonstrating compliance with the Contract Documents and the Steel Deck Institute.

COLD-FORMED NON-LOAD BEARING EXTERIOR STEEL STUD FRAMING

1. Design of cold-formed exterior steel non-load bearing studs and their connections shall be the sole responsibility of the Contractor. Design and shop drawing submittals shall comply with the Specifications. Shop drawings shall be sealed by an Engineer licensed in the Project state.

2. Cold-Formed Steel Design, Fabrication and Erection: Conform to AISI S100 "North American Specification for the Design of Cold-formed Steel Structural Members" referenced in the referenced Building Code.

SLOTTED CHANNEL STRUT FRAMING SUPPORT SYSTEM (UNISTRUT)

1. Provide and install slotted channel strut framing support system (Unistrut or equivalent) for the support of Owner-furnished medical equipment.

2. Design of slotted channel strut framing support system shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

3. System structural design shall adequately support the medical equipment in the vendor drawings prepared by GE, Hewlett Packard, Liebel-Flarshem, Linear Medical, Philips, Picker, Siemens, etc.

4. Tolerances: Level in both directions to within 1/16-inch.
   Parallel to within 1/16-inch.

5. System shall permit a minimum adjustment of 6-inches.

6. Coordinate installation with other trades.

ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

1. Rooftop Structures and Equipment

   1.1 Rooftop structures and equipment shall be properly anchored and braced to the structure to resist wind forces. Refer to MPE documents for specific details and additional information.

   1.2 Design of anchorage for rooftop structures, curbs and equipment shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

2. MP&E Suspended Components

   2.1 Pipe and conduit loads supported by "C" clamps at the edge of structural steel beam flanges cannot exceed 500 pounds.

   2.2 Total load of mechanical components applied to any one structural steel beam is not to exceed 4,000 pounds unless specifically approved by the Structural Engineer.

   2.3 At roof decks, piping is to be supported from the structural steel beams or supplementary steel supports, not supported by the roof deck.

   2.4 See Specifications for limitations on hanger loads supported by steel roof deck.

STRUCTURAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
ARCH.	ARCHITECT / ARCHITECTURE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BRG	BEARING
B or BOT.	BOTTOM
B/xxx	BOTTOM OF SOMETHING
CJ	CONTRACTION / CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS / CONTINUED
COORD.	COORDINATE
DBL	DOUBLE
DIA. or ∅	DIAMETER
DL	DEAD LOAD
DP	DRILLED PIER
DWG, DWGS	DRAWING(S)
EA.	EACH
EE	EACH END
EF	EACH FACE
EW	EACH WAY
EJ	EXPANSION JOINT
EL.	ELEVATION
EQ.	EQUAL
ELEV.	ELEVATOR
EMBED.	EMBEDMENT / EMBEDDED
EOS	EDGE OF SLAB
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F/xxx	FACE OF SOMETHING
FD	FIELD DETERMINED
FDN	FOUNDATION
FIN.	FINISHED
FLG	FLANGE
FLR	FLOOR
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA.	GAGE
GALV.	GALVANIZED
HDD	HEADED
HORIZ.	HORIZONTAL
INFO.	INFORMATION
INT.	INTERIOR
JT	JOINT
JST	JOIST
K	KIPS
KSI	KIPS PER SQUARE INCH
KSF	KIPS PER SQUARE FOOT
LBS or #	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLO	LONG LEG OUT
LLV	LONG LEG VERTICAL
MPE	MECHANICAL, PLUMBING AND ELECTRICAL
MFR	MANUFACTURER
MATL	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
No. or #	NUMBER
NS	NEAR SIDE
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OPP.	OPPOSITE
PART.	PARTIAL, OR PARTITION
PL	PLATE
PH	PENTHOUSE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	REACTION
RAD.	RADIUS
RD	ROOF DRAIN
REINF.	REINFORCING/REINFORCEMENT
REQD	REQUIRED
REV.	REVISION / REVISED
RTU	ROOF TOP UNIT
SDS	SELF-DRILLING SCREWS
SECT.	SECTION
SIM.	SIMILAR
SPECS	SPECIFICATIONS
SQ.	SQUARE
STD	STANDARD
STIFF.	STIFFENER
STL	STEEL
SYM.	SYMMETRICAL
T	TOP
T/xxx	TOP OF SOMETHING
THK	THICK
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
w/	WITH
w/o	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCEMENT

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DATES OF ISSUANCE
12/18/2025
△

TITLE: STRUCTURAL NOTES CONTINUED

SHEET: S002

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STRUCTURAL QUALITY ASSURANCE PLAN

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GENERAL

This Structural Quality Assurance Plan includes:

1. The Statement of Special Inspections which defines the scope of testing and inspection that is required for this project.
2. The responsibilities of the Contractor.
3. Structural Observations

Refer to other portions of the Construction Documents for Special Inspections required of architectural, mechanical, electrical, or other building components.

Special Inspector will be hired by the Owner.

Special Inspector shall maintain records of inspections in accordance with Chapter 17 of the Building Code and shall distribute these records to the Building Official, Architect, and Structural Engineer on a weekly basis, unless noted otherwise below. Reports shall indicate that work inspected/tested was done in conformance to the Construction Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, they shall be brought to the attention of the Building Official, Architect, and Structural Engineer prior to completion of that phase of the work.

At the conclusion of the project, the Special Inspector shall submit a final report documenting required special inspections and correction of any discrepancies noted in the inspections.

STATEMENT OF SPECIAL INSPECTIONS

Special Inspector shall perform the following tests and inspections of all structural elements included within this Statement of Special Inspections.

1. The followings elements are part of the Main Wind-Force-Resisting (MWFR) System and require additional Special Inspections for Wind Resistance:
   a. Shearwalls and their Foundations
   b. Roof Diaphragms, including Collectors, Drag Struts, and Boundary Elements
   c. Roof Cladding and Fastening Connections
   d. Fabrication and Installation of Impact Resistant Systems or Components
2. The following tables contain material, components and work that require special inspection or testing:
   a. Inspection Frequency, C – Continuous special inspection. Special inspection by the special inspector who is present when and where the work to be inspected is being performed.
   b. Inspection Frequency, P – Periodic special inspection. Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed. For structural steel, observe the items on a random basis.
   c. See Steel section for additional information for inspection tasks.

SOILS	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	P	
2. Verify excavations are extended to proper depth and have reached proper material.	P	Inspection is required after excavation is complete and prior to placement of structural fills.
3. Perform classification and testing of compacted fill materials.	P	Perform laboratory tests of field samples provided by contractor for verification of in place densities.
4. Verify use of proper materials, densities, and lift thickness during placement and compaction of compacted fill. a. As a minimum, perform one test per lift for every 2500 square feet of fill placed.	C	Refer to specification for lift thicknesses and compaction.
5. Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly (e.g. proofrolling, etc.).	P	

CONCRETE CONSTRUCTION	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Inspection of reinforcing steel placement and installation. Grade, size, quantity, quality, location, spacing, clearances.	P	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3 / IBC 1908.4
2. Inspection of anchors cast in concrete. Verify compliance of the following: diameter, grade, type, length, number, placement, and embedment depth.	C	ACI 318 17.8.2 / AISC 360 N5.7
3. Inspection of post-installed mechanical anchors installed in hardened concrete members: verify anchor type, anchor dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	C	ACI 318 17.8.2 Use of post installed anchors must be approved by Structural Engineer
4. Verify use of required design mix.	P	ACI 318 Ch. 19, 26.4.3 26.4.4 / IBC 1904.1, 1904.2, 1908.2, 1908.3
5. Sampling fresh concrete from concrete discharge. Mold one set of specimens for compressive strength testing for each 150 cubic yards or each 5,000 square feet of slab or wall surface area for each mix design placed in any one day. No fewer than five tests for a given class of concrete for the entire project. a. Mold (5) 4x8-inch compressive strength cylinders, break and report (1) at 7-days, (3) at 28-days, or mold (4) 6x12-inch compressive strength cylinders, break and report (1) at 7-days, (2) at 28-days. b. Remaining specimens(s) shall be broken as directed by the Structural Engineer if compressive strengths do not appear adequate. c. For each set molded, record: i. Slump ii. Air Content iii. Unit Weight iv. Temperature, ambient and concrete v. Batch and discharge times vi. Location and placement vii. Any pertinent information, such as addition of water, addition of admixtures, etc. d. Report in writing on the same day as tests are performed. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing agency, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break. e. Verify compliance with construction documents.	C	ACI 318 26.5, 26.12 / IBC 1908.10 ASTM C172, ASTM C31
6. Inspection of concrete conveying and placement for proper application techniques.	C	ACI 318 26.5 / IBC 1908.6-1908.8
7. Inspection for maintenance of specified curing temperature and techniques.	P	ACI 318 26.5.3-26.5.5 / IBC 1908.9
8. Inspection of formwork for shape, location, and dimensions of the concrete member being formed.	P	ACI 318 26.11.1.2(b)
9. Perform testing of Floor Flatness and Levelness of concrete slab placements in accordance with ASTM E1155. See specifications.	P	ACI 117-10

NON-SHRINK GROUTING	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Compressive strength tests per ASTM C109. a. Number of Tests; One test for each ten bags of grout used or minimum of one test of each day of grouting. b. Cube Size: 2-inch x 2-inch c. Test Schedule: (1) cube at 30days, (2) cubes at 7-days, (3) cubes at 28-days.	C	
2. Perform one performance evaluation test prior placing grout under baseplates. Test shall be performed as outlined in ACI 351.1R-99	P	One test shall be performed at the beginning of the job prior to placement of grout under base plates.

CONCRETE MASONRY	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Prior to construction, verification of compliance of submittals.	Required	TMS 602 - Art. 1.4 B
2. Prior to construction, verification of f 'm	Required	TMS 602 - Art. 1.4 B
3. During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	Required	TMS 602 - Art. 1.5 & 1.6.3
4. During construction, verification of f 'm for every 5,000 sq. ft.	Required	TMS 602 - Art. 1.4 B
5. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, and grout other than self-consolidating grout.	Required	TMS 602 - Art. 1.4 B
6. As masonry construction begins, verify that the following are in compliance:		
a. Proportions of site-prepared mortar	P	TMS 602 - Art. 2.1, 2.6 A, & 2.6 C
b. Grade, type and size of reinforcement, connectors, and anchor bolts	P	TMS 602 - Art. 3.4 & 3.6 A
c. Sample panel construction	C	TMS 602 - Art. 1.6 D
7. Prior to grouting, verify that the following are in compliance:		
a. Grout space	C	TMS 602 - Art. 3.2 D & 3.2 F
b. Placement of reinforcement, connectors, and anchor bolts	C	TMS 602 - Art. 3.2 E & 3.4 TMS 402 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
c. Proportions of site-prepared grout	P	TMS 602 - Art. 2.6 B
8. Verify compliance of the following during construction:		
a. Materials and procedures with the approved submittals	P	TMS 602 - Art. 1.5
b. Placement of masonry units and mortar joint construction	P	TMS 602 - Art. 3.3 B
c. Size and location of structural members	P	TMS 602 - Art. 3.3 F
d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	C	TMS 402 - Sec. 1.2.1(e), 6.2.1, & 6.3.1
e. Preparation, construction, and protection of masonry during cold weather (temperature below 40 deg. F) or hot weather (temperature above 90 deg. F)	P	TMS 602 - Art. 1.8 C & 1.8 D
f. Placement of grout is in compliance	C	TMS 602 - Art. 3.5
9. Observe preparation of grout specimens, mortar specimens, and/or prisms	C	TMS 602 - Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4B.2.c.3, 1.4 B.3, & 1.4 B.4

STRUCTURAL STEEL	INSPECTION FREQUENCY	REFERENCED STANDARD
Where the following tasks have been be performed by the fabricator's or erector's quality control program in accordance to Chapter N of AISC 360-16, it is permitted that these tasks be coordinated with the Special Inspector so that the inspection functions are performed by only one party. The Special Inspector shall review records of tasks performed by the erector's and fabricator's quality control program to verify completeness.	Obs. - Observe these items on a random basis. Operations need not be delayed pending these inspections. Perf. - Perform these tasks for each welded joint, bolted joint, or member.	
1. Inspection of steel framing to verify compliance with details shown on the approved construction documents including member locations, bracing, stiffening application of joint details at each connection, proper fasteners, etc.	Obs.	AISC 360-16 N5.8
2. Review the material test reports and certifications as listed below for compliance with the construction documents.	Perf.	AISC 360-16 N5.2 & N3.2
a. Main structural steel material test reports		
b. Anchor rods and threaded rods test reports		
c. Headed stud anchors - manufacturer's certifications		
3. Visual Inspection Tasks Prior to Welding		AISC 360-16 Table N5.4-1
a. Welding procedure specifications (WPSs) available	Perf.	AWS D1.1/D1.1M 6.3
b. Manufacturer certifications for welding consumables available.	Perf.	AWS D1.1/D1.1M 6.2
c. Material identification (type/grade)	Obs.	AWS D1.1/D1.1M 6.2
d. Welder identification system. The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.	Obs.	AWS D1.1/D1.1M 6.4 (welder qualification) (identification system not required by AWS D1.1/D1.1M)
e. Fit-up of groove welds (including joint geometry) i. Joint preparation ii. Dimensions (alignment, root opening, root face, bevel) iii. Cleanliness (condition of steel surfaces) iv. Tacking (tack weld quality and location) v. Backing type and fit (if applicable)	Obs.	AWS D1.1/D1.1M 6.5.2, 5.16 AWS D1.1/D1.1M 6.5.2 AWS D1.1/D1.1M 5.22 AWS D1.1/D1.1M 5.14 AWS D1.1/D1.1M 5.17
f. Configuration and finish of access holes	Obs.	AWS D1.1/D1.1M 5.9.5, 5.21.1.1
g. Fit-up of fillet welds i. Dimensions (alignment, gaps at root) ii. Cleanliness (condition of steel surfaces) iii. Tacking (tack weld quality and location)	Obs.	AWS D1.1/D1.1M 5.21.1 AWS D1.1/D1.1M 5.14 AWS D1.1/D1.1M 5.17
h. Check welding equipment	Obs.	Only required for shop Fabrication.

STRUCTURAL STEEL (CONT.)	INSPECTION FREQUENCY	REFERENCED STANDARD
4. Visual Inspection Tasks During Welding		AISC 360-16 Table N5.4-2
a. Control and handling of welding consumables i. Packaging ii. Exposure control	Obs.	AWS D1.1/D1.1M 5.3.1 AWS D1.1/D1.1M 5.3.2 (for SMAW), AWS D.1/D1.1M 5.3.3 (for SAW)
b. No welding over cracked tack welds	Obs.	D1.1/D1.1M 5.17 (for SAW)
c. Environmental conditions i. Wind speed within limits ii. Precipitation and temperature	Obs.	AWS D1.1/D1.1M 5.11.1 AWS D1.1/D1.1M 5.11.2
d. WPS followed i. Setting on welding equipment ii. Travel speed iii. Selected welding materials iv. Shielding gas type/flow rate v. Preheat applied vi. Interpass temperature maintained (min./max.) vii. Proper position (F, V, H, OH)	Obs.	AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.20 AWS D1.1/D1.1M 5.6, 5.7
e. Welding techniques i. Interpass and final cleaning ii. Each pass within profile limitations iii. Each pass meets quality requirements	Obs.	AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.23 AWS D1.1/D1.1M 5.29.1
5. Visual Inspection Tasks After Welding		AISC 360-16 Table N5.4-3
a. Welds Cleaned	Obs.	AWS D1.1/D1.1M 5.29.1
b. Size, length and location of welds	Perf.	AWS D1.1/D1.1M 6.5.1
c. Welds meet visual acceptance criteria i. Crack prohibition ii. Weld/base-metal fusion iii. Crater cross section iv. Weld profiles v. Weld size vi. Undercut vii. Porosity	Perf.	AWS D1.1/D1.1M 6.5.3 AWS D1.1/D1.1M Table 6.1(1) AWS D1.1/D1.1M Table 6.1(2) AWS D1.1/D1.1M Table 6.1(3) AWS D1.1/D1.1M Table 6.1(4), 5.24 AWS D1.1/D1.1M Table 6.1(6) AWS D1.1/D1.1M Table 6.1(7) AWS D1.1/D1.1M Table 6.1(8)
d. Arc strikes	Perf.	AWS D1.1/D1.1M 5.28
e. k-area: When welding doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75mm) of the weld.	Perf.	AISC 360-16 Table N5.4-3
f. Backing removed and weld tabs removed (if required)	Perf.	AWS D1.1/D1.1M 5.9, 5.30
g. Repair activities	Perf.	AWS D1.1/D1.1M 6.5.3, 5.25
h. Document acceptance or rejection of welded joint or member.	Perf.	AWS D1.1/D1.1M 6.5.4, 6.5.5
i. No prohibited welds have been added without the approval of the EOR.	Obs.	
6. Nondestructive Testing (NDT) of Welded Joints	Ultrasonic testing (UT), magnetic particle testing (MT), penetrant testing (PT) and radiographic testing (RT), where required, shall be performed by Special Inspector in accordance with AWS D1.1/D1.1M. NDT of welds completed in a fabricator's shop may be performed by that fabricator when fabricator is AISC Certified or approved by the Building Official where applicable. When the fabricator performs the NDT, the Special inspection agency shall review the fabricator's NDT reports. All NDT of welds completed in the field shall be performed by the Special Inspector. Acceptance criteria shall be in accordance with AWS D1.1/D1.1M for statically loaded structures, unless otherwise designated in the design drawings or project specifications.	
a. UT all complete penetration grove welds subject to transversely applied tension loading in a butt, T- and corner joints in material 5/16" thick or greater.	Perf.	AISC 360-16 N5.5b & AISC 341-10 J6.2a
b. Document all NDT performed, identifying tested weld by location in the structure, piece mark and location. Concurrent to submitting NDT reports to EOR or owner submit to contractor.	Perf.	AISC 360-16 N5.5g
c. Review NDT test reports performed by fabricator	Perf.	AISC 360-16 N6
7. Inspection Tasks Prior to Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. AISC 360-16 Table N5.6-1	
a. Manufacturer's certifications available for fastener materials	Perf.	RCSC 2.1 & 9.1
b. Fasteners marked in accordance with ASTM requirements	Perf.	RCSC Figure C-2.1 & 9.1 (Also See ASTM Standards)
c. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Obs.	RCSC 2.3.2, 2.7.2 & 9.1
d. Correct bolting procedure selected for joint detail	Obs.	RCSC 4, & 8
e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Obs.	RCSC 3, 9.4 & 9.3
f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used, not required for Snug tight bolts	Obs.	RCSC 7 & 9.2
g. Proper storage provided for bolts, nuts, washers and other fastener components	Obs.	RCSC 2.2,8 & 9.1
8. Inspection Tasks During Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. Special Inspector need not be present during bolt pretensioning procedures. AISC 360-16 Table N5.6-2	
a. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	Obs.	RCSC 7.1(1), 8.1, 9.1
b. Joint brought to the snug-tight condition prior to the pretensioning operation	Obs.	RCSC 8.1 & 9.1
c. Fastener component not turned by the wrench prevented from rotating	Obs.	RCSC 8.2 & 9.2
d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	Obs.	RCSC 8.2 & 9.2
9. Inspection Tasks After Bolting		AISC 360-16 Table N5.6-3
a. Document acceptance or rejection of bolted connections	Perf.	
10. Inspection of Galvanized Structural Steel Main Members		AISC 360-16 N5.7
a. Exposed cut surfaces of galvanized structural steel main members and exposed corners of rectangular HSS shall be visually inspected for cracks subsequent to galvanizing.	Perf.	
b. Cracks shall be repaired or the member shall be rejected.	Perf.	

STRUCTURAL QUALITY ASSURANCE PLAN CONTINUED ON S004

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12/18/2025

TITLE: STRUCTURAL QUALITY ASSURANCE PLAN

SHEET: S003

STRUCTURAL QUALITY ASSURANCE PLAN

STEEL DECK	INSPECTION FREQUENCY	REFERENCED STANDARD
	Obs. - Observe these items on an random basis. Operations need not be delayed pending these inspections. Perf. - Perform these tasks for each item or element.	
1. Material verification of steel deck and deck accessories	Perf.	
a. Identification markings to conform to ASTM standards specified in the approved construction documents		SDI QA/QC Table 1.1A
b. Verify profile, material properties, and base metal thickness		SDI QA/QC Table 1.1A
c. Manufacturer's certified test reports		SDI QA/QC Table 1.2B
d. Document acceptance or rejection of deck and deck accessories		SDI QA/QC Table 1.1B
2. Verify general alignment and deck lap	Perf.	SDI QA/QC Table 1.2A
a. Document acceptance or rejection of installation of deck and deck accessories		SDI QA/QC Table 1.2C
3. Visual Inspection Tasks Prior to Welding	Obs.	
a. Welding procedure specifications (WPSs) available		SDI QA/QC Table 1.3A
b. Manufacturer certifications for welding consumables available.		SDI QA/QC Table 1.3B
c. Material identification (type/grade)		SDI QA/QC Table 1.3C
d. Check welding equipment		SDI QA/QC Table 1.3D
4. Visual Inspection Tasks During Welding	Obs.	
a. Use of qualified welders		SDI QA/QC Table 1.4A
b. Control and handling of welding consumables		SDI QA/QC Table 1.4B
c. Environmental conditions		SDI QA/QC Table 1.4C
i. Wind speed within limits		
ii. Precipitation and temperature		
d. WPS followed		SDI QA/QC Table 1.4D
5. Visual Inspection Tasks After Welding	Perf.	
a. Size and location of welds, including support, sidelap, and perimeter welds		SDI QA/QC Table 1.5A
b. Welds meet visual acceptance criteria		SDI QA/QC Table 1.5B
c. Repair activities		SDI QA/QC Table 1.5C
d. Document acceptance or rejection of welds		SDI QA/QC Table 1.5D
6. Inspection Tasks Prior to Mechanical Fastening	Obs.	
a. Manufacturer installation instructions available for mechanical fasteners		SDI QA/QC Table 1.6A
b. Proper tools available for fastener installation		SDI QA/QC Table 1.6B
c. Proper storage provided for mechanical fasteners		SDI QA/QC Table 1.6C
7. Inspection Tasks During Mechanical Fastening	Obs.	
a. Fasteners are positioned as required		SDI QA/QC Table 1.7A
b. Fasteners are installed in accordance with manufacturer's instructions		SDI QA/QC Table 1.7B
8. Inspection Tasks After Mechanical Fastening	Perf.	
a. Spacing, type, and installation of support fasteners		SDI QA/QC Table 1.8A
b. Spacing, type, and installation of sidelap fasteners		SDI QA/QC Table 1.8B
c. Spacing, type, and installation of perimeter fasteners		SDI QA/QC Table 1.8C
d. Repair activities		SDI QA/QC Table 1.8D
e. Document acceptance or rejection of mechanical fasteners		SDI QA/QC Table 1.8E
9. Verify installation of deck closures.	Perf.	
10. Inspect welding operations, screw attachment, bolting, anchoring, and other fastening of components within the lateral force resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs.	Perf.	

COLD-FORMED EXTERIOR STEEL STUDS	INSPECTION FREQUENCY	REFERENCED STANDARD
1. Verify that installation of cold-formed members complies with the Construction Documents and the approved shop drawings.	P	

Special Inspector shall be responsible for additional Architectural and MPE inspections.
See other disciplines for requirements.

CONTRACTOR RESPONSIBILITIES

1. Contractor shall submit to the Building Official, Owner, and the Architect a written statement of responsibility that contains the following:
   a. Acknowledgment of awareness of the special requirements contained in the Statement of Special Inspections for the main wind- force-resisting system or a wind--resisting component listed in the Statement of Special Inspections.
2. Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.
3. Contractor is responsible to ensure that the Special Inspector is on site as required to perform all tasks required by Statement of Special Inspection. Any work that requires special inspection and is performed without the Special Inspector being present is subject to being demolished and reconstructed.
4. Contractor has the following responsibilities to the Special Inspector:
   a. Provide copy of Construction Documents to Special Inspector and latest addenda (include change orders and field orders prior to inspection of work contained therein).
   b. Notify Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
   c. Cooperate with Special Inspector and provide access to work.
   d. Provide samples of materials to be tested in required quantities.
   e. Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
   f. Provide labor to assist Special Inspector in performing tests/inspections.
5. Contractor shall perform the following:
   a. SOILS
      i. Identify soils to be used as structural fill.
   b. CAST-IN-PLACE CONCRETE
      i. Submit manufacturer's certification that reinforcing materials comply with Construction Documents.
      ii. Establish concrete mix design proportions in accordance with the specifications and ACI 318, Chapter 26.
      iii. Submit manufacturer's certification that concrete materials meet the requirements of the Construction Documents.
      iv. Submit manufacturer's data for tension and compression splicers.
   c. NON-SHRINK GROUTING
      i. Submit product data sheets for non-shrink grout that shows compliance with the Construction Documents and with ASTM C1107 for fluid or flowable grouts, prior to placement of grout.
   d. CONCRETE MASONRY
      i. Submit a certification from each manufacturer or supplier stating that the following materials comply with the Construction Documents:
         1. Concrete masonry units.
         2. Mortar materials: Portland cement, hydrated lime, and aggregates.
         3. Grout materials: Portland cement and aggregates.
         4. Joint reinforcement steel.
         5. Reinforcing steel.
   e. STRUCTURAL STEEL
      i. If fabricator or erector is not AISC certified, the fabricator and/or erector shall establish and maintain quality control procedures and perform inspections to ensure that their work is performed in accordance with the Section N of the Specification for Structural Steel Building, AISC 360-16 and the construction documents. Payment of these Quality control tests and inspections, except for all NDT of welds completed in the field by the Special Inspector, shall be by the fabricator and Erector.
         1. Make available the documents listed in AISC 360-16 N3.2 in electronic or printed form for review by the EOR of the EOR's Designee prior to fabrication or erection unless otherwise required by the contract documents to be submitted.
      ii. If fabricator and erector are certified by the American Institute of Steel Construction (AISC) Quality Certification Program for Structural Steel Buildings submit certification.
         1. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the fabricator are in accordance with the construction documents.
         2. At completion of erection, the approved erector shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the erector are in accordance with the construction documents.
      iii. Provide non-destructive test (NDT) reports performed in shop by fabricator. Fabricator is responsible for cost of NDT performed in shop. Reports shall identify the tested weld by piece mark and location in the piece.
   f. POST-INSTALLED ANCHORS
      i. Contractor shall contact manufacturer's representative for product installation training. Submit a letter indicating that training has taken place.
   g. STEEL DECK
      i. Submit manufacturer's certificate of compliance that the supplied steel deck complies with the Construction Documents.
   h. COLD-FORMED EXTERIOR STEEL STUDS
      i. Submit manufacturer's certification that the supplied cold-formed members comply with the Construction Documents.

STRUCTURAL OBSERVATIONS

The visual inspection of the structural system by the registered design professional for general conformance to the Construction Documents will be provided in accordance with Chapter 17 of the Building Code. Structural Observations will be made prior to or during installation of foundations, wall panels, and structural steel and the Structural Observation Reports will be submitted to the building official. At the conclusion of the project, the Structural Observer will submit to the building official a written statement that the site visits have been made and identify any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved.

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12/18/25

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FL Registration #0090957

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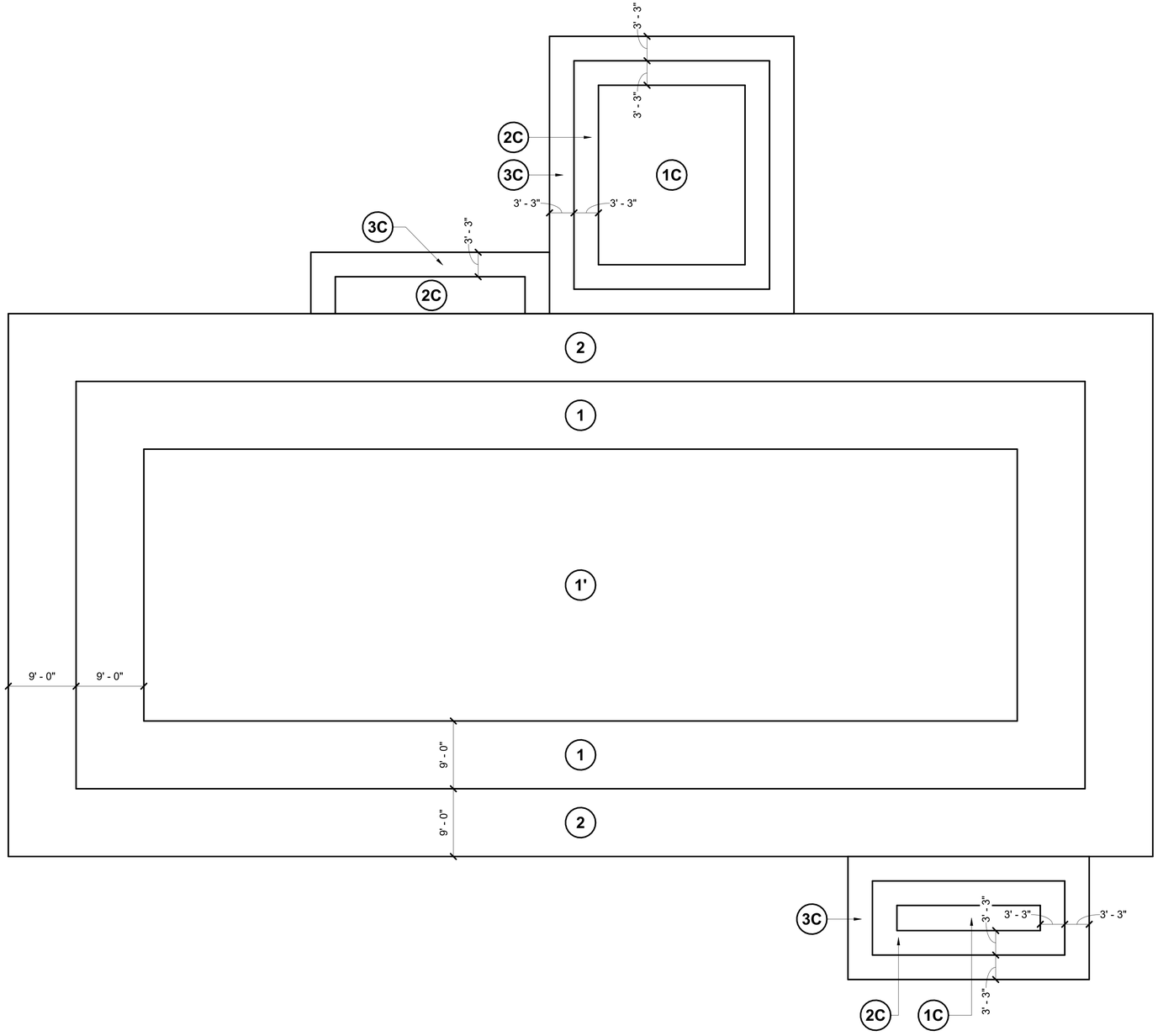
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STRUCTURAL QUALITY ASSURANCE PLAN CONTINUED

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S004

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1 ROOF ZONE DIAGRAM
SCALE: 1/8" = 1'-0"

WIND PRESSURE DIAGRAM NOTES

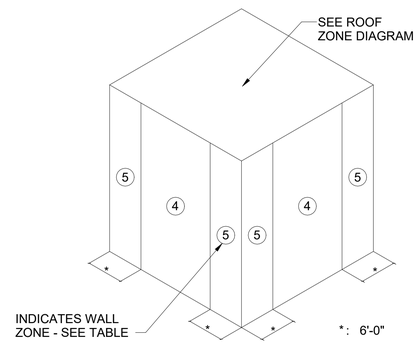
1. DESIGN WIND PRESSURES WERE CALCULATED IN ACCORDANCE WITH ASCE 7-22 BASED ON AN EFFECTIVE WIND AREA AND WITH Kd= 0.85. MULTIPLY BY 0.6 FOR ASD PRESSURES. POSITIVE PRESSURES ACT TOWARD THE SURFACE; NEGATIVE AWAY.
2. ROOF UPLIFT WIND PRESSURES IN ZONES ARE GROSS UPLIFT VALUES. NET UPLIFT PRESSURES SHALL BE CONSIDERED EQUAL TO GROSS PRESSURES.
3. TABULATED WIND PRESSURES SHALL BE USED IN THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS. INTERPRETATION AND APPLICATION OF THESE PRESSURES TO SPECIFIC PORTIONS OF THE BUILDING AREAS SHALL BE THE RESPONSIBILITY OF THE EXTERIOR COMPONENT AND CLADDING MATERIAL SUPPLIER.

EXTERIOR WALL PRESSURES		
AREA (SQ. FT)	ZONE 4 (PSF)	ZONE 5 (PSF)
10	+57 / -61	+57 / -75
20	+54 / -59	+54 / -70
50	+51 / -56	+51 / -64
100	+48 / -53	+48 / -59
200	+46 / -50	+46 / -54
≥500	+42 / -47	+42 / -47

ROOF UPLIFT PRESSURES			
AREA (SQ. FT)	ZONE 1' (PSF)	ZONE 1 (PSF)	ZONE 2 (PSF)
10	-57	-98	-130
20	-57	-92	-121
50	-57	-83	-110
100	-57	-77	-102
200	-49	-70	-94
≥500	-38	-62	-83

PARAPET PRESSURES		
AREA (SQ. FT)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	+/- 187	+/- 226
20	+/- 175	+/- 206
50	+/- 159	+/- 179
100	+/- 147	+/- 159
200	+/- 135	+/- 139
≥500	+/- 119	+/- 119

CANOPY ROOF UPLIFT PRESSURES			
AREA (SQ. FT)	ZONE 1C (PSF)	ZONE 2C (PSF)	ZONE 3C (PSF)
≤ 11	-54	-81	-163
11 - 42	-54	-81	-81
> 42	-54	-54	-54



WALL ZONE DIAGRAM

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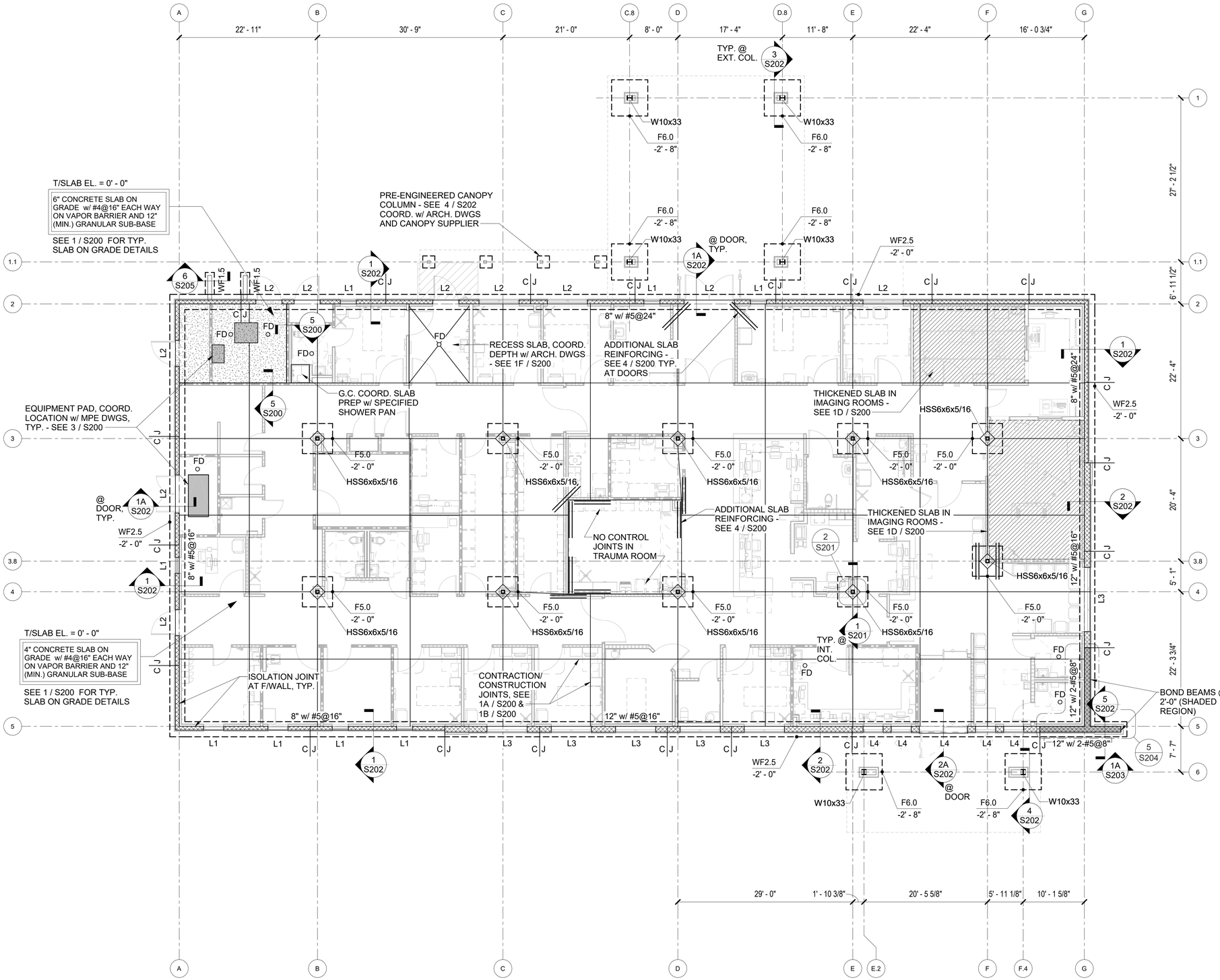
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TITLE
WIND PRESSURE DIAGRAMS

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S005

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1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FOUNDATION GENERAL NOTES

1. WALL REINFORCING FOR FULL HEIGHT OF WALLS IS INDICATED ON PLANS (ie, X" #X@XX",DENOTES CMU/BAR SIZE/BAR SPACING) SEE TYPICAL CMU / WALL REINFORCING DETAIL FOR ADDITIONAL REINFORCING AT OPENINGS, CORNERS, CMU CONTRACTION JOINTS, ETC.
2. WALLS SHOWN ON PLAN WITHOUT REINFORCING INDICATED TO HAVE MINIMUM REINFORCING AS SHOWN IN THE TYPICAL CMU WALL REINFORCING DETAIL.
3. LINTELS ABOVE DOOR AND WINDOW OPENINGS ARE SHOWN ON PLANS. "LX" - SEE CMU LINTEL SCHEDULE 2 / S204 FOR SIZE AND REINFORCING.
4. CJ (CMU CONTRACTION JOINT) SHOWN ON PLANS INDICATES APPROPRIATE LOCATIONS OF CONTRACTION JOINTS. LOCATIONS ARE INTENDED TO COINCIDE WITH CMU COURSING. COORDINATE LOCATION OF JOINTS WITH ARCHITECTURAL DRAWINGS. SEE 1 / S203 AND 1 / S204.
5. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION ARE TO BEGIN. FOR DIMENSIONS NOT SHOWN - SEE ARCHITECTURAL DRAWINGS.
6. DO NOT LOCATE PLUMBING LINES WITHIN CONCRETE FOOTINGS.

COLUMN FOOTING SCHEDULE

MARK	SIZE	BOTTOM REINF. EACH WAY (UNO)	TOP REINF. EACH WAY (UNO)	REMARKS
F5.0	5' - 0" x 5' - 0" x 1' - 6"	5 - #6	-	-
F6.0	6' - 0" x 6' - 0" x 1' - 6"	6 - #6	-	-

WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF1.5	1' - 6" x 1' - 0"	SEE 6/S206	SEE 6/S206	---
WF2.5	2' - 6" x 1' - 4"	4 - #5	#4@16"	-

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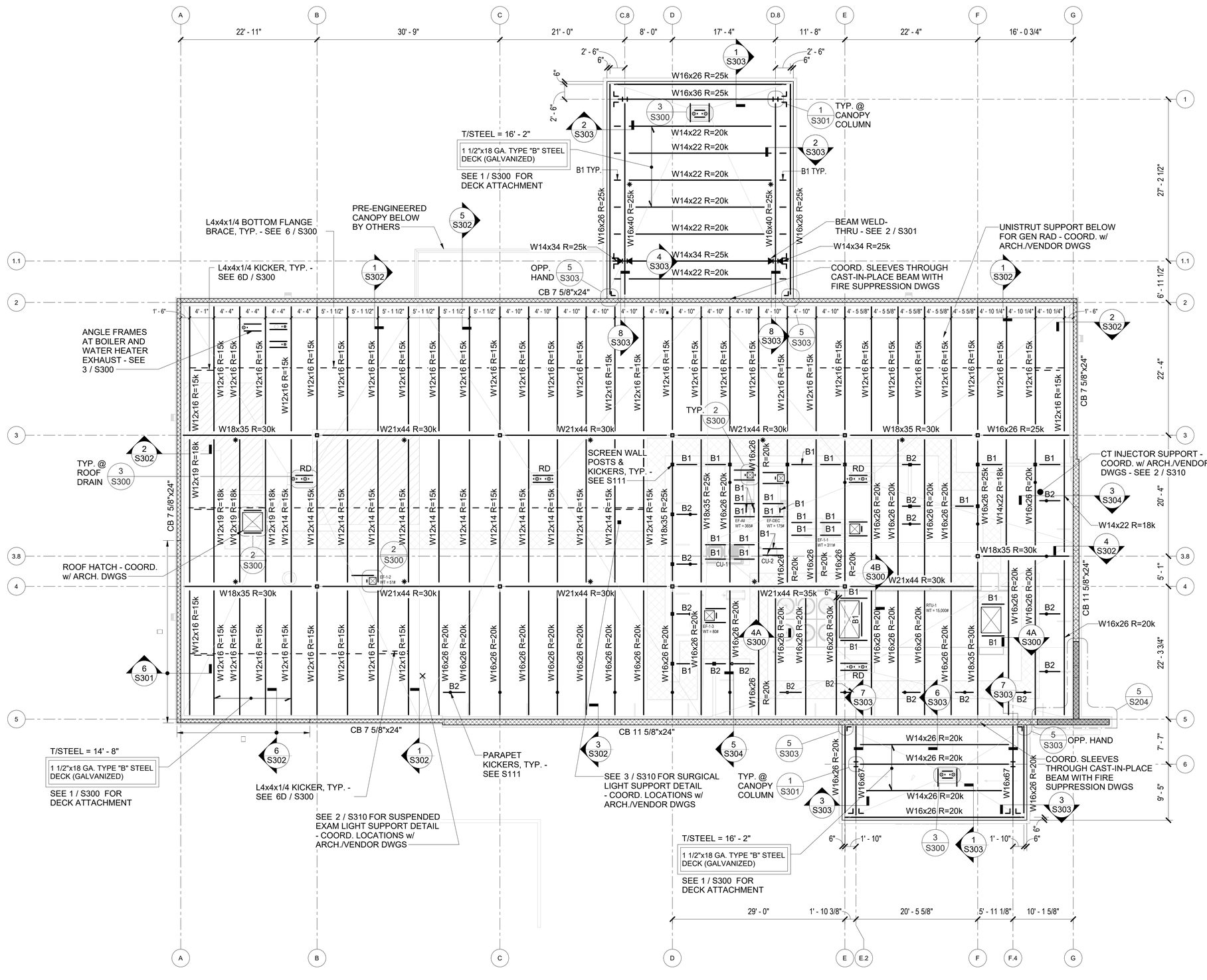
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TITLE: FOUNDATION PLAN

SHEET: S100

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1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES

1. SEE FOUNDATION PLAN & ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. ALL EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED. SEE SPECS AND STRUCTURAL NOTES.
3. CONTRACTOR SHALL COORDINATE ROOF TOP UNIT LOCATIONS AND OPENINGS WITH MECHANICAL DRAWINGS AND FINAL UNIT SELECTION.
4. PROVIDE ADDITIONAL FRAMING AT MECHANICAL OPENINGS AND UNDER CURBS FOR ANCHORAGE OF EXHAUST FANS AND ROOFTOP EQUIPMENT TO STRUCTURE. SEE 2 / S300 AND COORDINATE SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
5. SEE STRUCTURAL NOTES FOR ANCHORAGE OF ROOFTOP STRUCTURE.
6. SPACE BEAMS EQUALLY IN COLUMN BAYS, U.N.O.
7. ✱ INDICATES FULL DEPTH STIFFENER PLATE CONNECTION, SEE 3 / S301 .
8. SEE S310 FOR OWNER FURNISHED EQUIPMENT SUPPORT DETAILS.

BEAM MARK LEGEND

BEAM SIZE — CAMBER
W16x26 R=30k/A=20k [C=1"]
VERT. END REACTION — HORIZ. END REACTION

NOTES:
1. EACH END OF BEAM SHALL BE DESIGNED FOR THE VERTICAL AND HORIZONTAL END REACTIONS THAT ARE BASED ON THE LRFD LOAD COMBINATIONS.

MISCELLANEOUS BEAM MARKS

B1 = W10x12 R=15k
B2 = W12x26 R=20k

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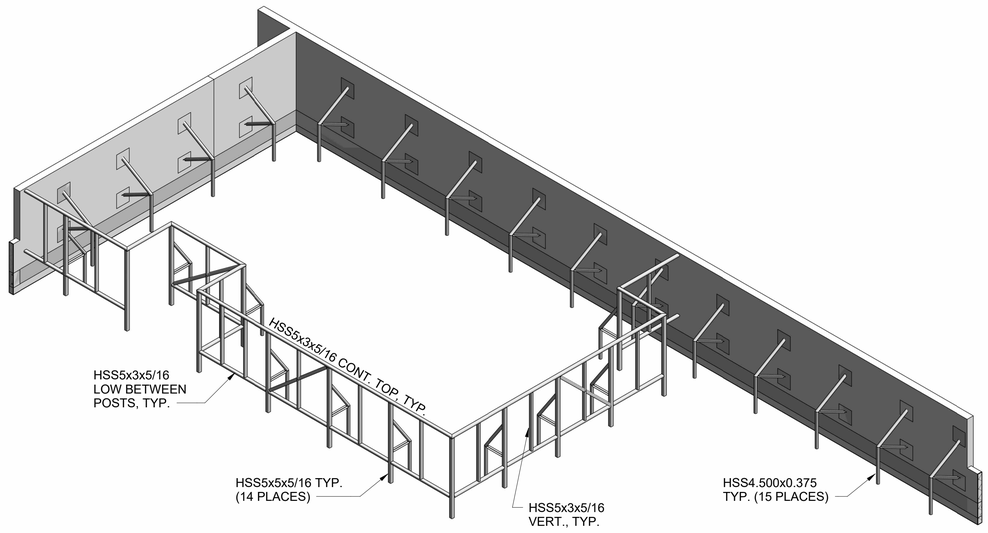
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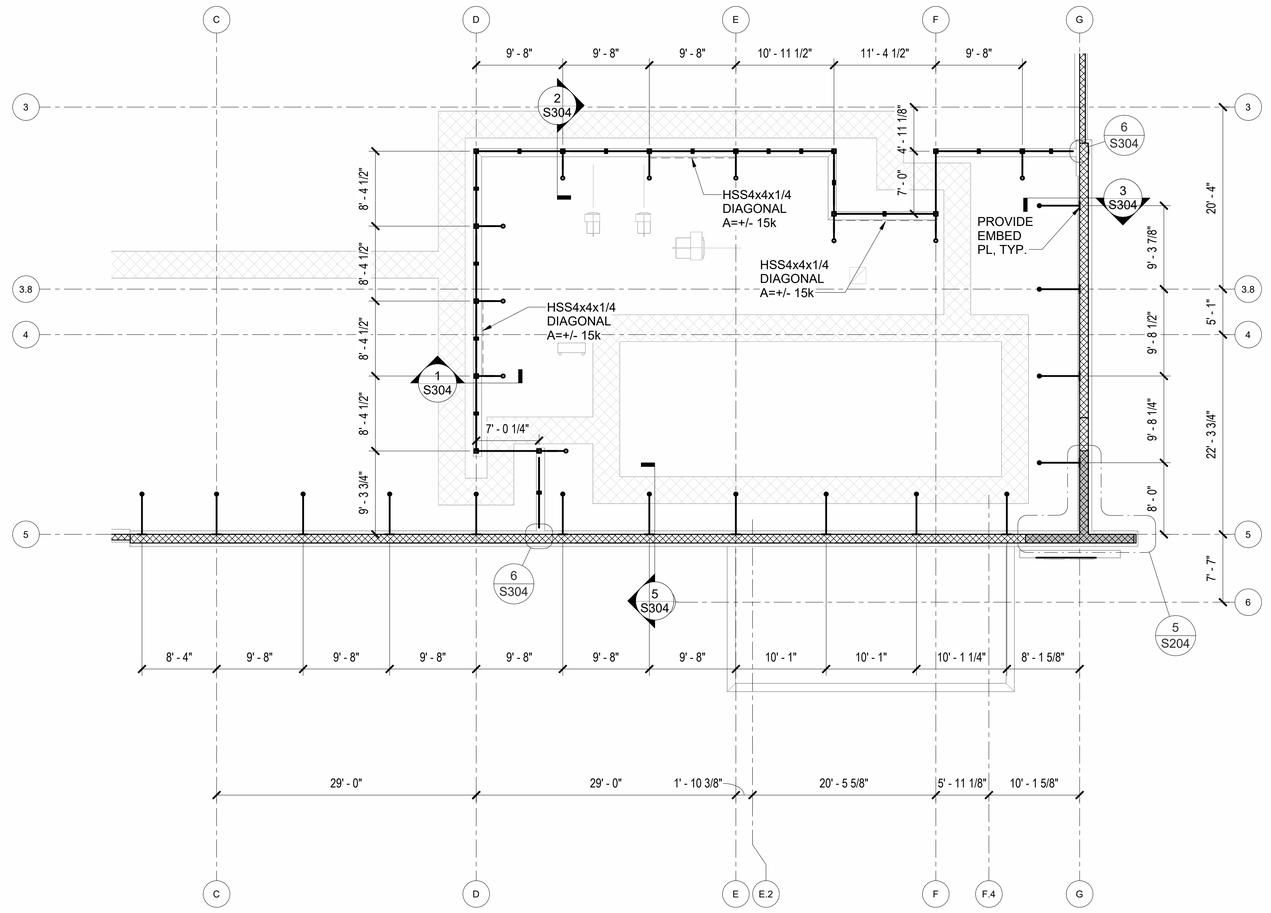
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TITLE: ROOF FRAMING PLAN

SHEET: S110



2 SCREEN WALL - AXONOMETRIC VIEW
SCALE:



1 SCREEN WALL FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES

1. SEE FOUNDATION PLAN & ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. COORDINATE ALL T/STEEL ELEVATIONS AT SCREEN WALL WITH ARCHITECTURAL DRAWINGS.
3. ALL EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED. SEE SPECS AND STRUCTURAL NOTES.
4. PROVIDE 1/4" CLOSURE PLATES AT ALL EXPOSED HSS TUBES.
5. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION ARE TO BEGIN. FOR DIMENSIONS NOT SHOWN - SEE ARCHITECTURAL DRAWINGS.

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TITLE
SCREEN WALL FRAMING PLAN

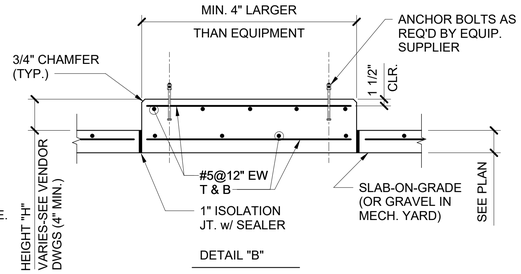
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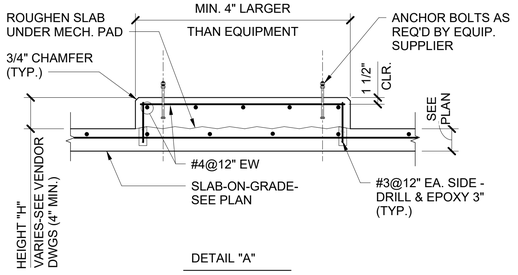
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NOTE:

1. PAD AND CURB DETAILS DEPICTED ABOVE SHALL APPLY UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. THE HEIGHT "H" OF MECHANICAL EQUIPMENT PADS SHALL BE COORDINATED WITH THE VENDOR DRAWINGS.
2. THE CONTRACTOR SHALL PROVIDE CONCRETE PADS ADEQUATE FOR THE SUPPORT OF THE MPE EQUIPMENT. EXACT, SIZES, LOCATIONS, HEIGHTS, AND ANY SPECIAL DETAILS FOR THE PADS SHALL BE OBTAINED FROM THE VENDORS BEFORE INSTALLATION OF THE PADS. PADS SHALL BE INSTALLED IN ACCORDANCE WITH THE EQUIPMENT STANDARDS. ALL EMBEDDED ITEMS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER. THE PADS SHALL RECEIVE A SMOOTH TROWELED FINISH.
3. DETAIL 'A' -- FOR USE UNDER ALL EQUIPMENT SUPPORTED ON SLABS-ON-GRADE.
4. DETAIL 'B' -- FOR USE UNDER ALL EQUIPMENT WEIGHING OVER 2000 POUNDS SUPPORTED ON SLABS-ON-GRADE (ISOLATED).

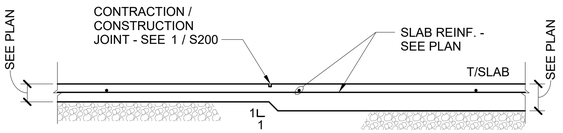


DETAIL "B"

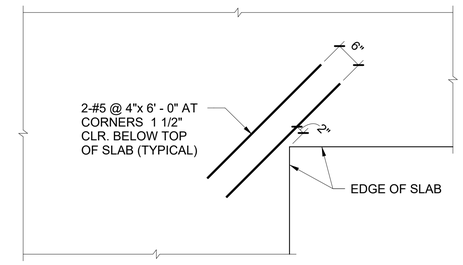


DETAIL "A"

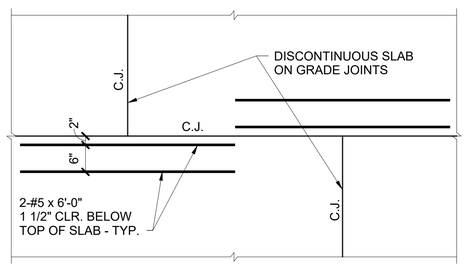
3 EQUIPMENT PAD DETAILS AT SLAB-ON-GRADE



5 SECTION AT CHANGE IN SLAB THICKNESS

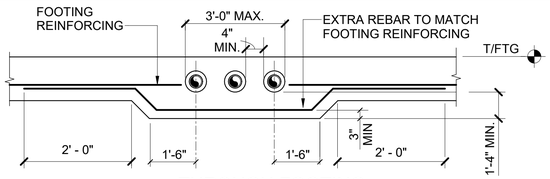


AT RE-ENTRANT CORNERS

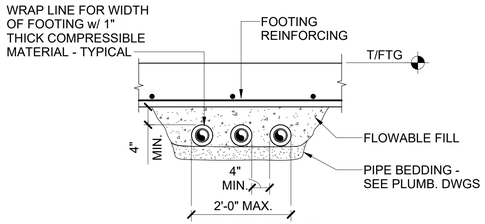


DISCONTINUOUS JOINTS

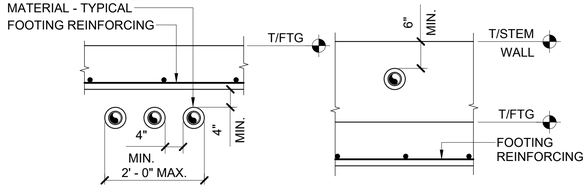
4 TYPICAL ADDITIONAL SLAB REINFORCING



THROUGH FOOTING



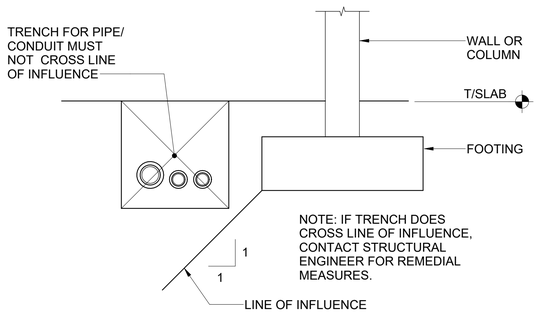
UNDER FOOTING
(PIPES PLACED AFTER FOOTING)



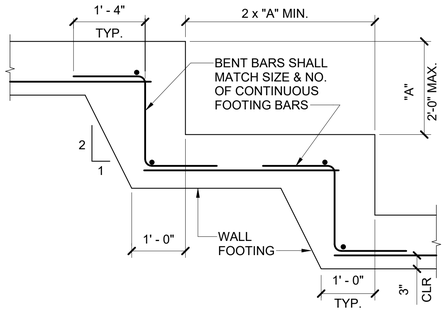
UNDER FOOTING
(PIPES PLACE PRIOR TO FOOTING)

THRU STEM WALL

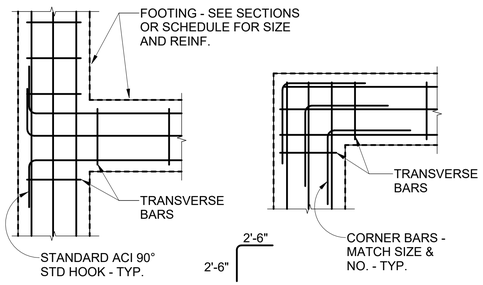
2E PIPE/CONDUIT LINES PERPENDICULAR TO FOOTING STEM WALL



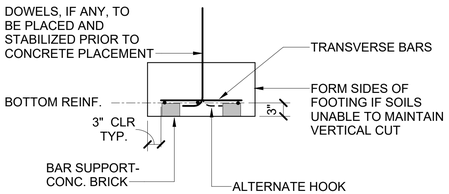
2D PIPE/CONDUIT TRENCH PARALLEL TO FOOTING



2C STEP FOOTING DETAIL

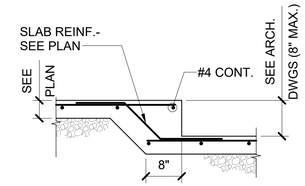


2B FOOTING CORNER REINFORCEMENT

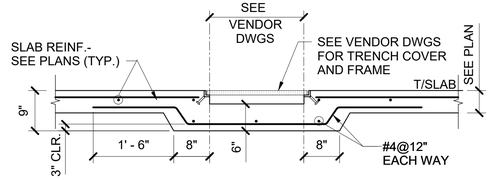


2A TYPICAL CONTINUOUS FOOTING DETAIL

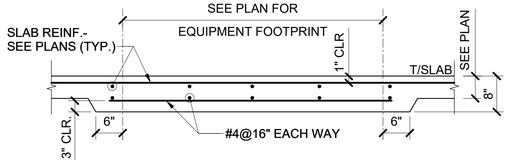
2 TYPICAL CONTINUOUS FOOTING DETAILS



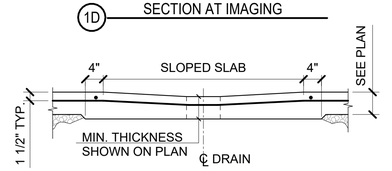
1F SLAB RECESS



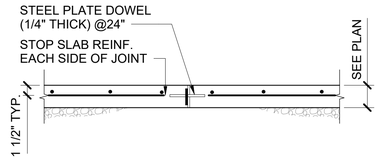
1E DETAIL AT ELECTRICAL/IMAGING TRENCH



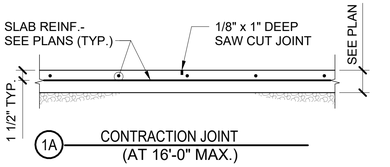
1D SECTION AT IMAGING



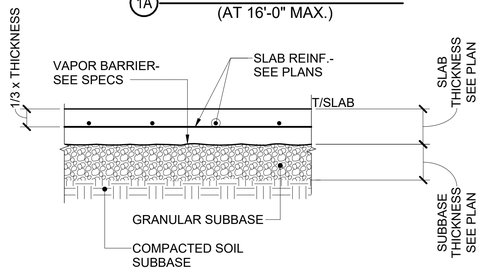
1C SLOPED SLAB AT FLOOR DRAIN



1B CONSTRUCTION JOINT (LOCATED AT CONTRACTOR'S PREFERENCE)



1A CONTRACTION JOINT (AT 16'-0" MAX.)



1 TYPICAL SLAB-ON-GRADE DETAILS

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Structural Design Group, Inc.
Certification #008380
Jody K. Bomar
FL Registration #0090957

DATES OF ISSUANCE: 12/18/2025

TITLE: FOUNDATION SECTIONS AND DETAILS

SHEET: S200

CONCRETE REINFORCEMENT CLASS "B" LAP SPLICES

BAR SIZE	CONCRETE STRENGTHS															
	3,000 PSI				4,000 PSI				5,000 PSI				6,000 PSI			
	CASE 1		CASE 2		CASE 1		CASE 2		CASE 1		CASE 2		CASE 1		CASE 2	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	2'-4"	1'-10"	3'-6"	2'-9"	2'-3"	1'-8"	3'-2"	2'-4"	1'-10"	1'-6"	2'-9"	2'-2"	1'-8"	1'-4"	2'-6"	2'-0"
#4	3'-3"	2'-6"	4'-8"	3'-8"	2'-9"	2'-2"	4'-2"	3'-2"	2'-6"	2'-0"	3'-8"	2'-10"	2'-3"	1'-9"	3'-4"	2'-8"
#5	4'-0"	3'-0"	5'-10"	4'-6"	3'-6"	2'-8"	5'-2"	4'-0"	3'-0"	2'-4"	4'-6"	3'-6"	2'-9"	2'-2"	4'-2"	3'-2"
#6	4'-8"	3'-8"	7'-0"	5'-6"	4'-2"	3'-2"	6'-2"	4'-8"	3'-8"	2'-10"	5'-6"	4'-2"	3'-4"	2'-8"	5'-0"	3'-10"
#7	6'-9"	5'-3"	10'-3"	7'-10"	6'-0"	4'-6"	8'-10"	6'-9"	5'-3"	4'-2"	8'-0"	6'-2"	4'-10"	3'-9"	7'-2"	5'-8"
#8	7'-9"	6'-0"	11'-8"	9'-0"	6'-9"	5'-3"	10'-2"	7'-9"	6'-0"	4'-8"	9'-0"	7'-0"	5'-6"	4'-3"	8'-3"	6'-4"
#9	8'-9"	6'-9"	13'-2"	10'-3"	7'-8"	5'-10"	11'-4"	8'-9"	6'-9"	5'-3"	10'-2"	7'-10"	6'-2"	4'-9"	9'-3"	7'-2"
#10	9'-10"	7'-8"	14'-9"	11'-4"	8'-6"	6'-8"	12'-9"	9'-10"	7'-8"	6'-0"	11'-6"	8'-10"	7'-0"	5'-4"	10'-6"	8'-0"
#11	11'-0"	8'-6"	16'-4"	12'-8"	9'-6"	7'-3"	14'-2"	11'-0"	8'-6"	6'-6"	12'-8"	9'-9"	7'-9"	6'-0"	11'-8"	9'-0"

Case #1: For beams and columns, concrete cover greater than or equal to bar diameter, bar spacing greater than or equal to 2 times bar diameter, and ties as specified on the drawings. For other members, concrete cover greater than or equal to bar diameter and bar spacing greater than or equal to 3 times bar diameter.

Case #2: For beams and columns, concrete cover less than bar diameter and bar spacing less than 2 bar diameters. For other members, concrete cover less than bar diameter and bar spacing less than 3 times bar diameter.

Top bars are horizontal reinforcement with more than 12" of fresh concrete placed below the splice.

Where indicated on the drawings, class "A" lap splice lengths may be calculated by dividing tabulated values by 1.3.

As contractor's alternate, class "B" splice lengths may be calculated by the steel reinforcement detailer in accordance with ACI 318 and submitted for review.

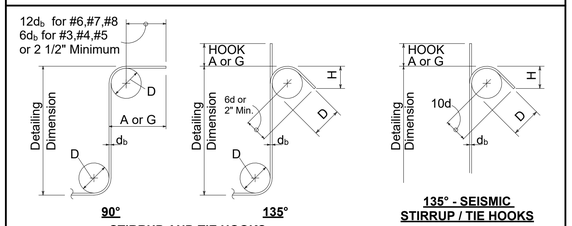
Tension couplers may be used and installed in accordance with manufacturer's recommendations and shall be capable of developing 125% of the reinforcing steel ASTM specified minimum yield strength.

STANDARD END HOOK DIMENSIONS



BAR SIZE	D	180° HOOK		90° HOOK A or G
		A or G	J	
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	1'-0"
#7	5 1/4"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9 1/2"	1'-3"	11 3/4"	1'-7"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"
#11	12"	1'-7"	1'-2 3/4"	2'-0
#14	18 1/4"	2'-3"	1'-9 3/4"	2'-7"
#18	24"	3'-0"	2'-4 1/2"	3'-5"

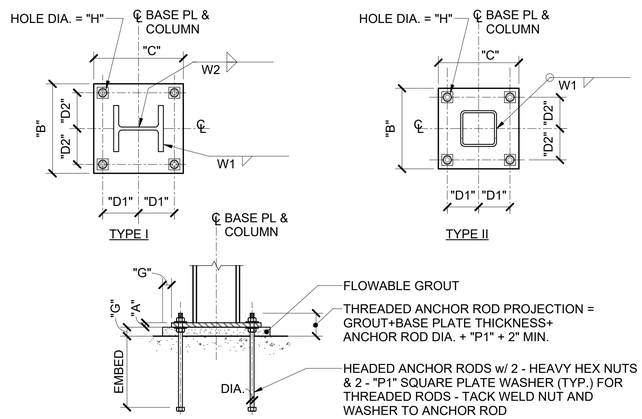
STANDARD STIRRUP AND TIE HOOK DIMENSIONS



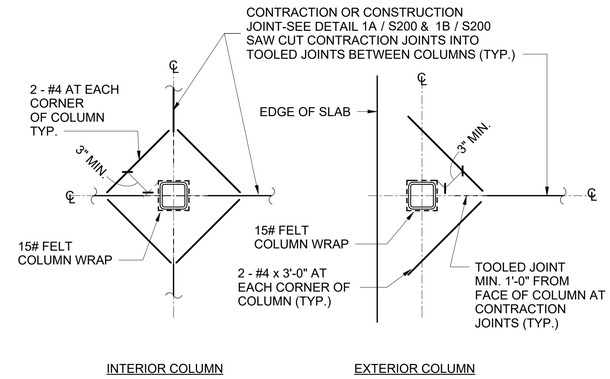
STIRRUP AND TIE HOOKS

BAR SIZE	D	NON-SEISMIC			SEISMIC	
		90° HOOK	135° HOOK		135° HOOK	
		A or G	A or G	H APPROX.	A or G	H APPROX.
#3	1 1/2"	4"	4"	2 1/2"	4 1/4"	3"
#4	2"	4 1/2"	4 1/2"	3"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"	5 1/2"	3 3/4"
#6	4 1/2"	1'-0"	8"	4 1/2"	8"	4 1/2"
#7	5 1/4"	1'-2"	9"	5 1/4"	9"	5 1/4"
#8	6"	1'-4"	10 1/2"	6"	10 1/2"	6"

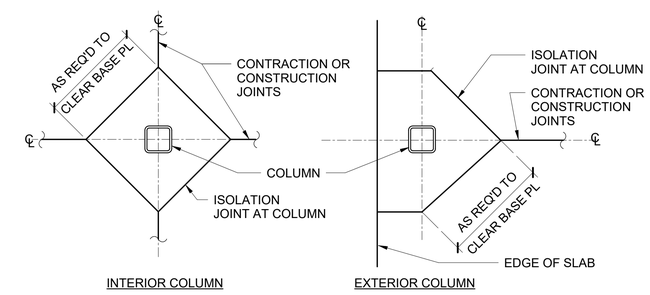
BASE PLATE MARK	TYPE	BASE PLATE						ANCHOR RODS			WELDS		G	P1
		A	B	C	D1	D2	H	No.	DIA.	EMBED.	W1	W2		
HSS6x6	II	1"	14"	14"	5"	5"	1 7/8"	4	1"	12"	1/4"	-	2"	PL3/8x3x0'-3"
W10	I	1 1/4"	18"	18"	7"	7"	1 7/8"	4	1"	12"	1/4"	1/4"	2"	PL3/8x3x0'-3"



3 BASE PLATE & ANCHOR ROD SCHEDULE

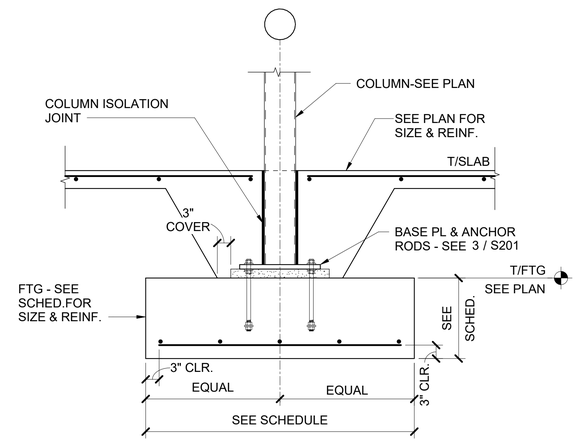


FELT WRAPPED COLUMNS



ALTERNATE ISOLATION JOINTS AT COLUMNS (AT CONTRACTOR'S OPTION)

2 TYPICAL ISOLATION JOINT DETAILS AT "HSS" STEEL COLUMNS



1 SECTION AT INTERIOR COLUMN

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Structural Design Group, Inc.
Certification #008380
Jody K. Bomar
FL Registration #0090957

DATES OF ISSUANCE: 12/18/2025

TITLE: FOUNDATION SECTIONS AND DETAILS

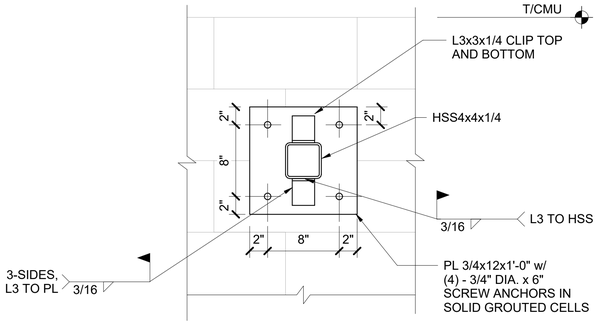
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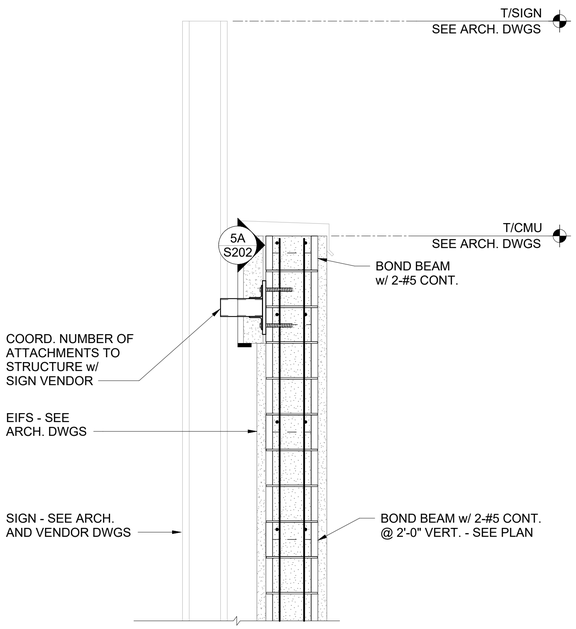
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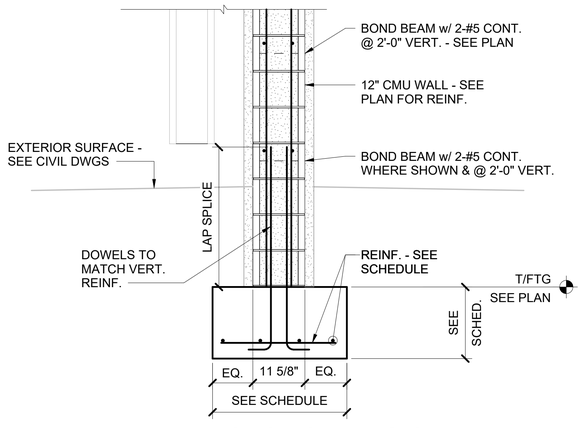
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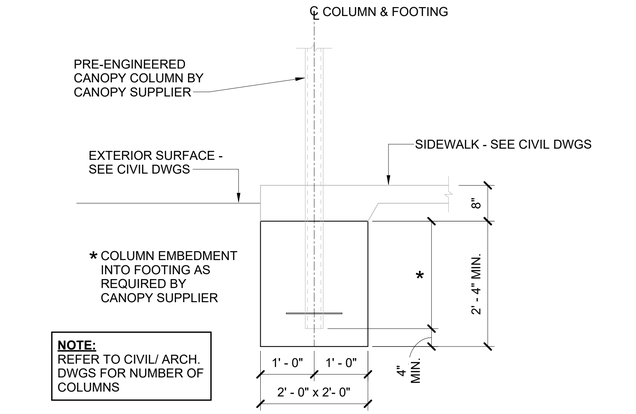


5A DETAIL AT WALL CONNECTION

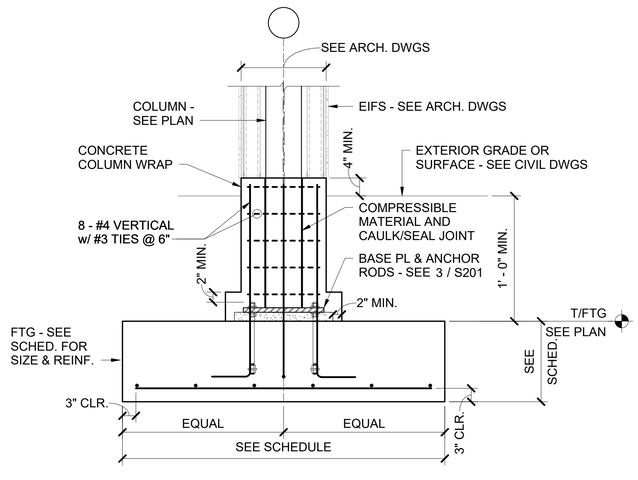




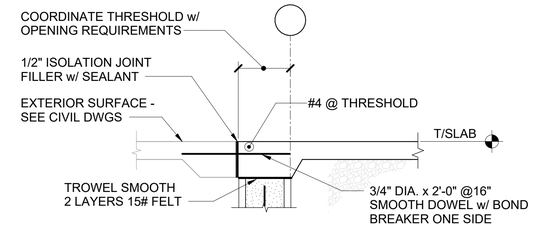
5 SECTION AT SIGN



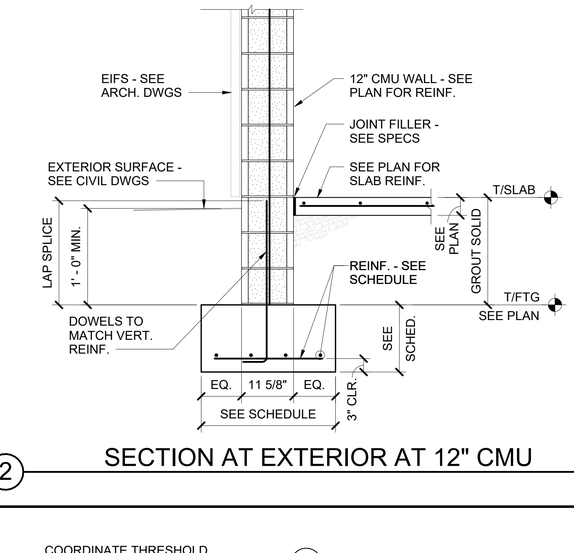
4 TYPICAL FOOTING AT PRE-ENGINEERED CANOPY COLUMNS



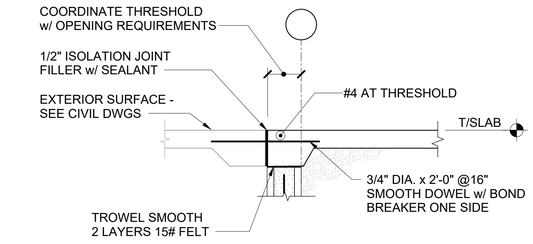
3 SECTION AT EXTERIOR COLUMN



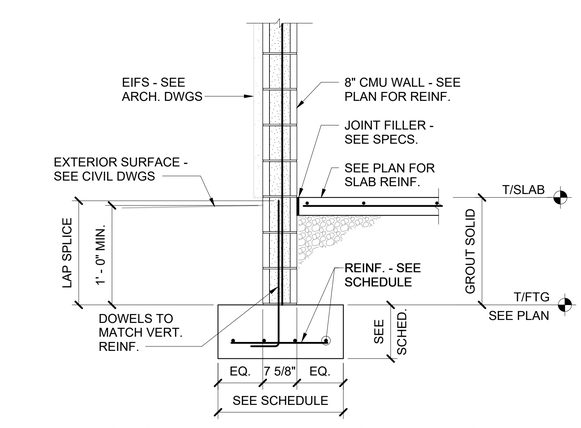
2A AT DOOR



2 SECTION AT EXTERIOR AT 12" CMU



1A AT DOOR



1 SECTION AT EXTERIOR AT 8" CMU

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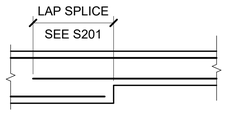
DATES OF ISSUANCE
12/18/2025
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TITLE: FOUNDATION SECTIONS AND DETAILS

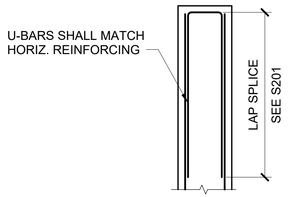
SHEET: S202

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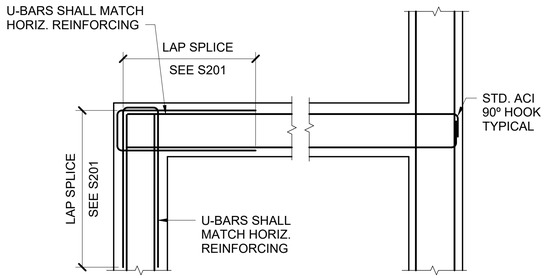
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AT TRANSITIONS



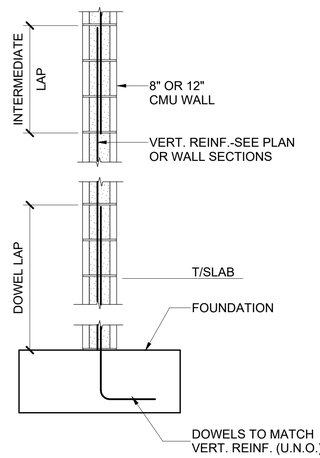
AT END OF WALLS



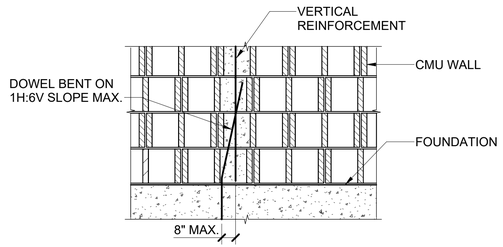
AT CORNERS AT INTERSECTIONS

6 CAST-IN-PLACE BEAM REINF. DETAIL AT INTERSECTIONS

CMU LAP SPLICE SCHEDULE			
BAR SIZE	LAP LENGTH		
	DOWEL	INTERMEDIATE	
		8" CMU	12" CMU
#4	36"	36"	36"
#5	48"	48"	48"
#6	56"	56"	56"
#7	64"	64"	64"
#8	72"	72"	72"
#9	88"	88"	88"
f'm = 2,000 psi (MINIMUM)			

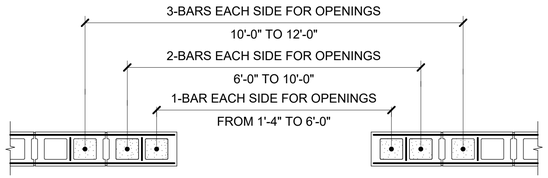


5 CMU REINFORCEMENT LAP SPLICE SCHEDULE



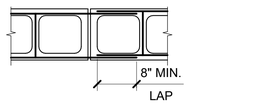
ELEVATION VIEW TOLERANCE

4 DOWEL-PERMITTED BENDING DETAIL

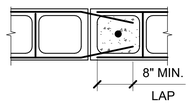


SEE PLAN OR SECTIONS FOR VERTICAL WALL REINFORCEMENT

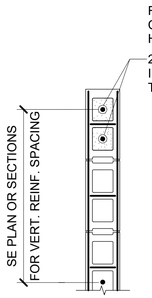
3 CMU WALL OPENING DETAIL



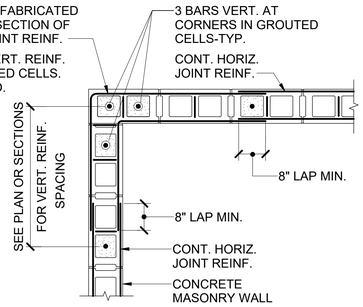
MORTAR EMBEDMENT



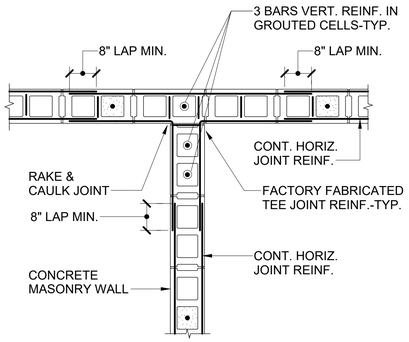
GROUT EMBEDMENT



AT ENDS



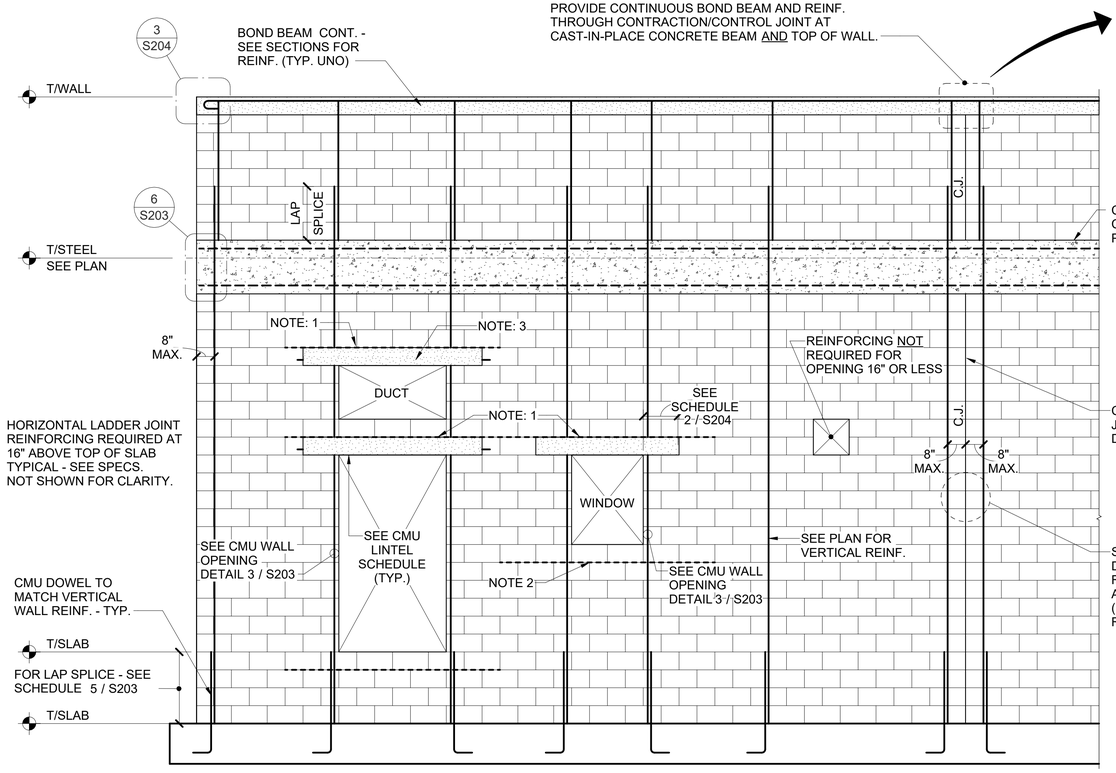
AT CORNERS



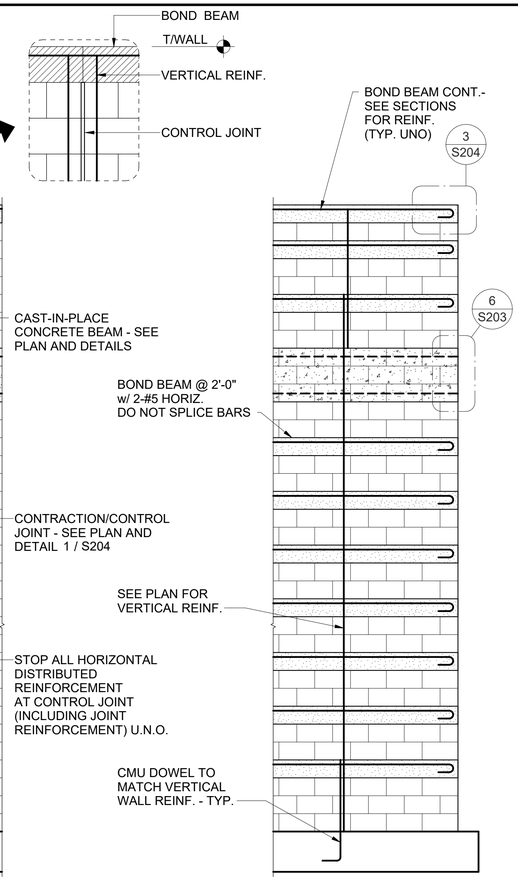
AT INTERSECTIONS

2 CMU WALL HORIZONTAL JOINT REINFORCEMENT DETAIL

NOTES:
1. ADD HORIZONTAL JOINT REINFORCEMENT ABOVE LINTEL. EXTEND 4'-0" EACH SIDE OF OPENING.
2. ADD HORIZONTAL JOINT REINFORCEMENT BELOW CMU SILL. EXTEND 4'-0" EACH SIDE OF OPENING.
3. FOR MECHANICAL/PLUMBING PENETRATIONS, PROVIDE LINTEL OVER CMU OPENING PER UNMARKED CMU LINTEL SCHEDULE.



1 TYPICAL CMU WALL REINFORCING ELEVATION



1A ELEVATION AT FIN WALL

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PROJECT # 225014.00

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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

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JODY KRISTOFER BOMAR LICENSE 0090957 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/18/25

Structural Design Group, Inc.
Certification #008380
Jody K. Bomar
FL Registration #0090957

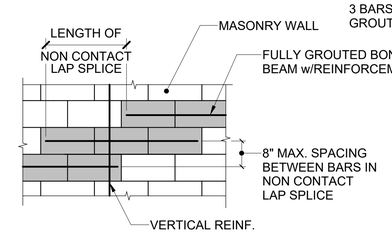
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TITLE MASONRY SECTIONS AND DETAILS

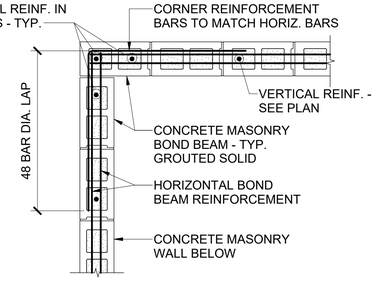
SHEET S203

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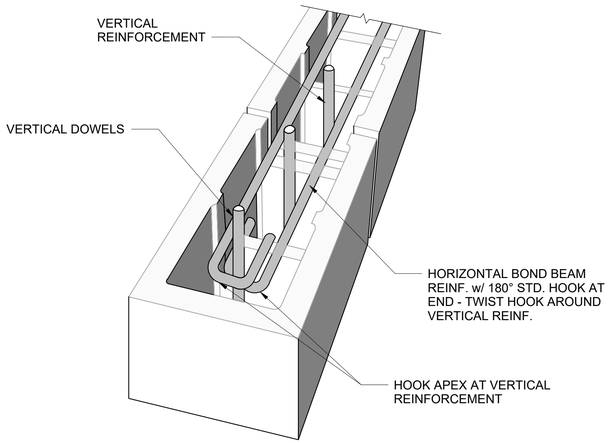


STEPPED BOND BEAM IF NEEDED



AT CORNERS

4 CMU BOND BEAM DETAILS



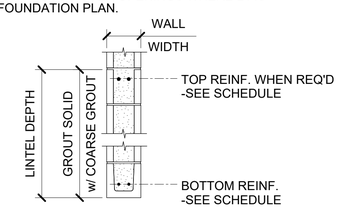
3 BOND BEAM HOOK REINFORCING DETAIL

UNMARKED CMU LINTEL SCHEDULE			
WALL OPENING	LINTEL DEPTH	REINFORCING	BEARING END LENGTH
UP TO 4'-0"	8"	2-#4 BOTTOM	8"
4'-1" TO 6'-0"	8"	2-#5 BOTTOM	8"
6'-1" TO 8'-0"	16"	2-#5 BOTTOM	16"
8'-1" TO 10'-0"	16"	2-#6 BOTTOM	16"

NOTE: 8" MIN. BEARING EACH END, TYP.

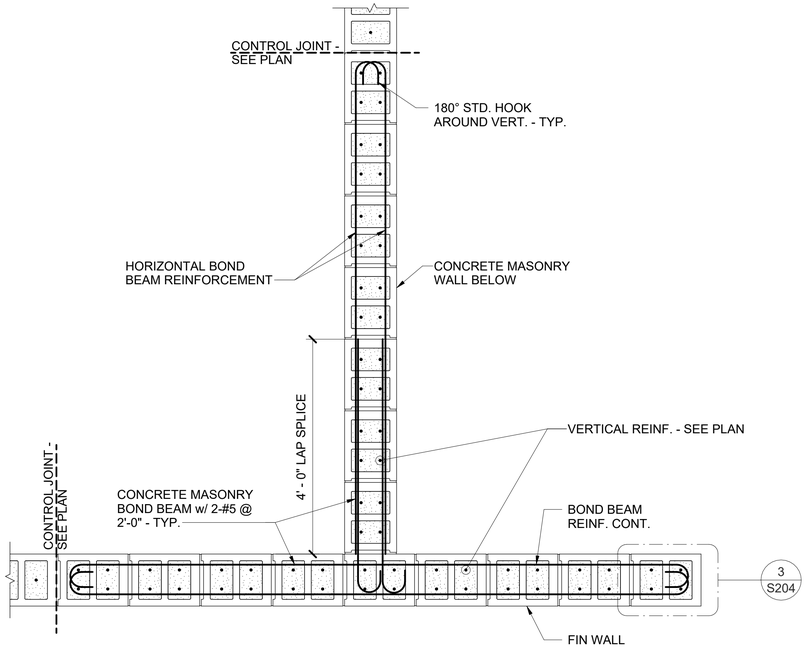
MARKED "LX" CMU LINTEL SCHEDULE					
MARK	WALL THICK'S	LINTEL DEPTH	REINFORCEMENT		
			BOTTOM	TOP	BEARING END LENGTH
L1	8	8	2-#5	-	24"
L2	8	16	2-#5	-	24"
L3	12	16	2-#5	-	24"
L4	12	16	2-#5	2-#5	16"

NOTE:
1. FILL CMU CORES AT LINTEL BEARING w/ 2500 psi COARSE GROUT. REINFORCE JAMBS w/ FULL HEIGHT REINFORCING PER CMU WALL OPENING DETAIL.
2. RUN TOP BARS CONTINUOUS OVER OPENINGS WHERE L4 IS SHOWN ON THE FOUNDATION PLAN.



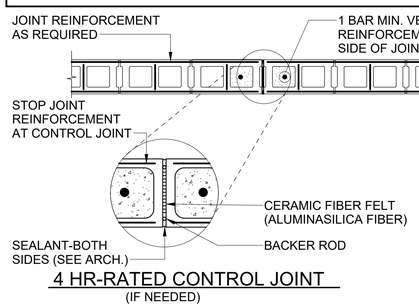
SECTION

2 CMU LINTEL SCHEDULES AND DETAILS

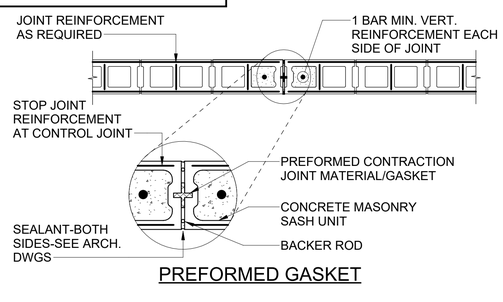


5 CMU BOND BEAM DETAIL AT FIN WALL

NOTE:
1. SEE PLANS FOR LOCATION OF CONTRACTION JOINTS AND STRUCTURAL NOTES FOR MAX. SPACING.
2. LOCATE CONTRACTION JOINTS 2'-0" MINIMUM FROM SIDES OF OPENINGS.
3. CJ (CMU CONTRACTION JOINT) SHOWN ON PLANS INDICATES APPROXIMATE LOCATIONS OF CONTRACTION JOINTS. LOCATIONS ARE INTENDED TO COINCIDE WITH CMU COURSING. COORDINATE LOCATION OF JOINTS WITH ARCH. DWGS. SEE ARCH. DWGS FOR LOCATIONS OF BRICK JOINTS.
4. COORDINATE LOCATIONS w/ ARCH. DWGS
5. DO NOT CONSTRUCT CONTRACTION JOINT THROUGH BOND BEAM AT THE FOLLOWING LOCATIONS (TOP WALL, FLOOR LINE, AND ROOF LINE). INTERMEDIATE BOND BEAMS, IF PRESENT, SHALL START/STOP AT CONTROL JOINT LOCATIONS.



4 HR-RATED CONTROL JOINT
(IF NEEDED)



PREFORMED GASKET

1 CMU WALL CONTRACTION/CONTROL JOINT DETAIL

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PROJECT # 225014.00

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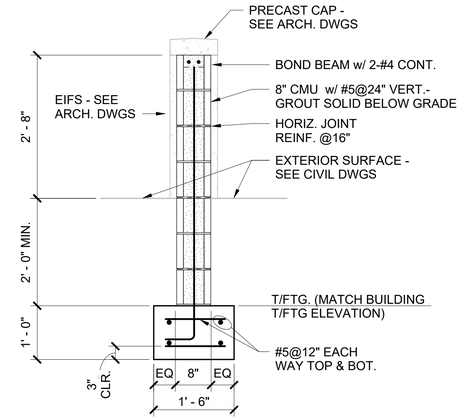
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TITLE: MASONRY SECTIONS AND DETAILS

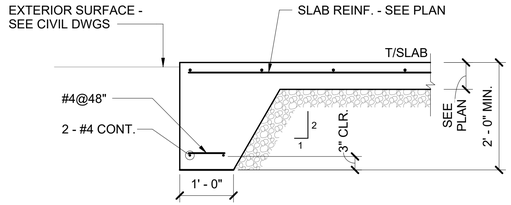
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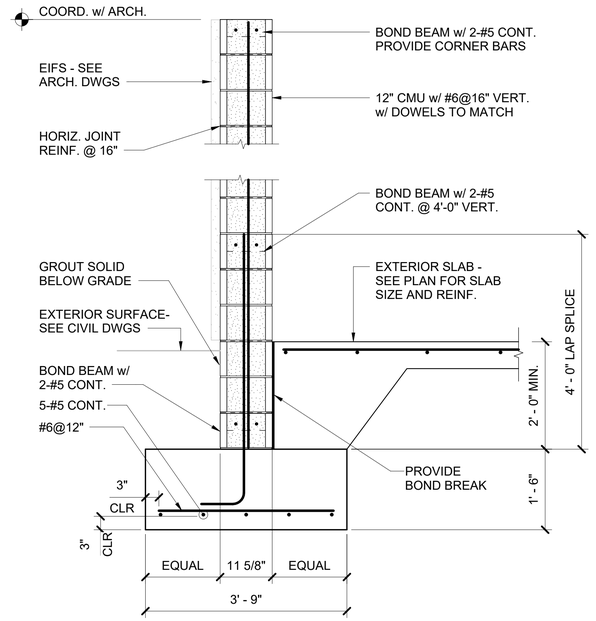
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6 SECTION AT GAS METER ENCLOSURE



5 SECTION

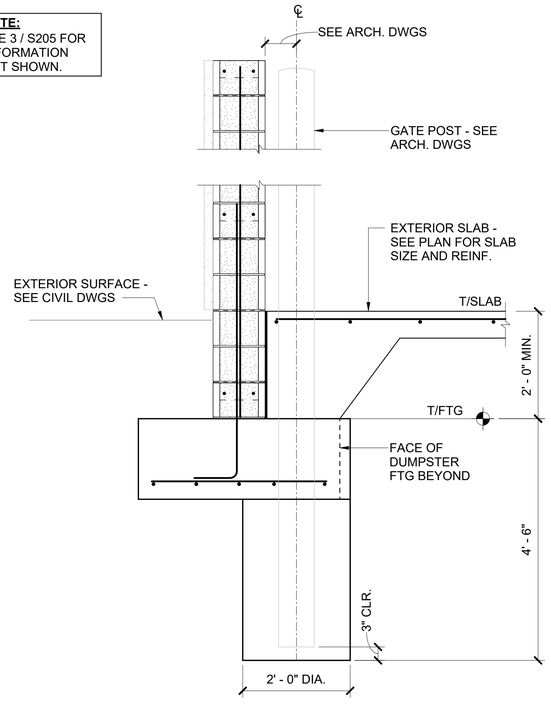


3 SECTION AT DUMPSTER ENCLOSURE

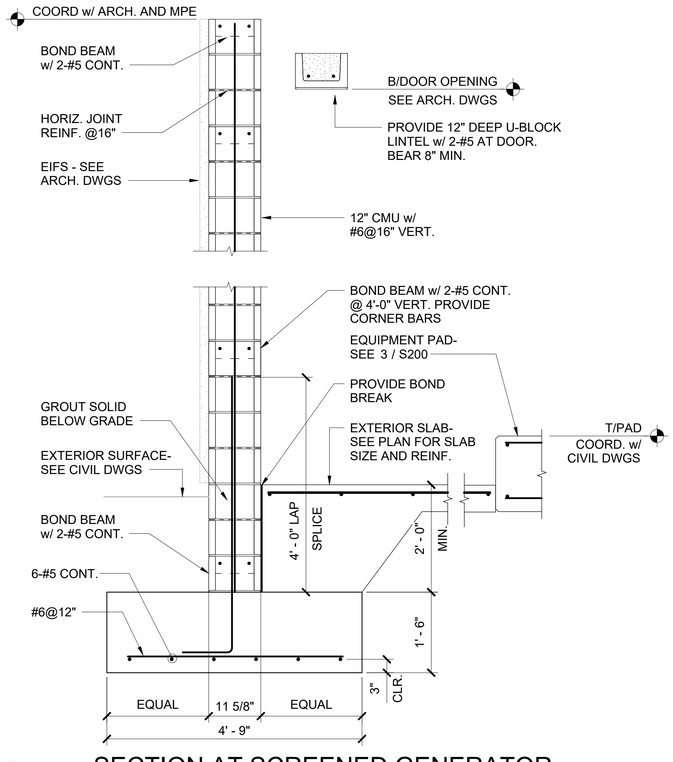
NOTES

1. SEE S203 AND S204 FOR TYPICAL MASONRY SECTIONS AND DETAILS.
2. LINTEL ABOVE DOOR IS SHOWN ON PLAN, "LX." SEE 2 / S204 FOR LINTEL SCHEDULE.
3. "CJ" INDICATES LOCATION OF CONTRACTION JOINTS IN CMU MASONRY. CONTRACTION JOINTS INDICATED AT APPROXIMATE LOCATIONS AND ARE INTENDED TO BE AT CMU COARSING. SEE 1 / S203 AND 1 / S204 .
4. COORDINATE EQUIPMENT ENCLOSURE LOCATION w/ ARCH. AND CIVIL DWGS.

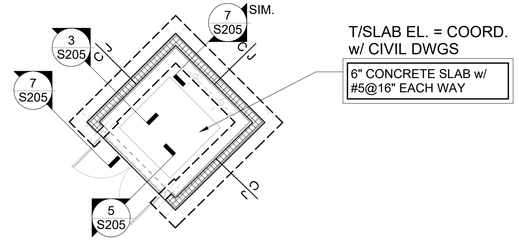
NOTE:
SEE 3 / S205 FOR
INFORMATION
NOT SHOWN.



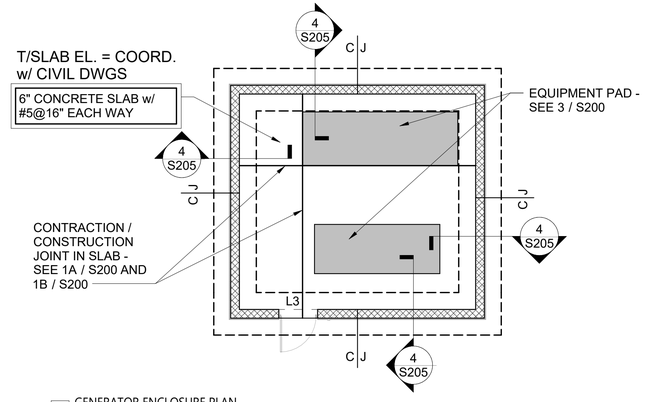
7 SECTION AT DUMPSTER GATE BOLLARD



4 SECTION AT SCREENED GENERATOR AND ELECTRICAL ENCLOSURE



2 DUMPSTER ENCLOSURE PLAN
SCALE: 1/8" = 1'-0"



1 GENERATOR ENCLOSURE PLAN
SCALE: 1/8" = 1'-0"

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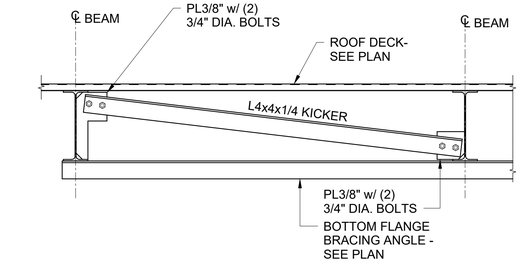
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TITLE: SITE STRUCTURAL DETAILS

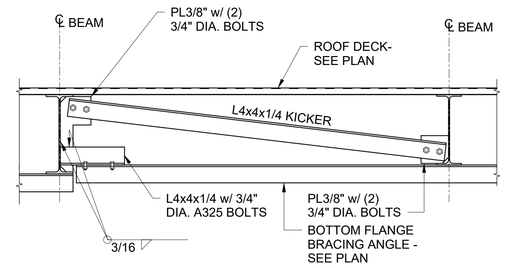
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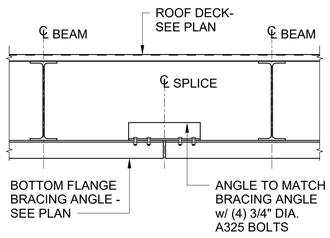
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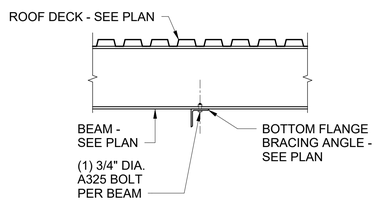
6D CONDITION AT END



6C CONDITION AT END WITH UNEQUAL BEAM DEPTHS

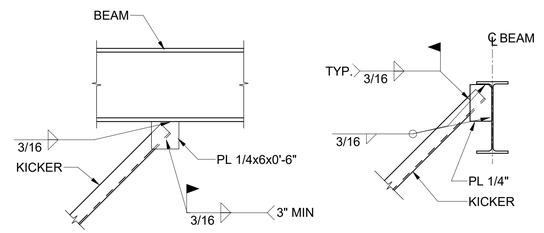


6B BOTTOM FLANGE SPLICING DETAIL



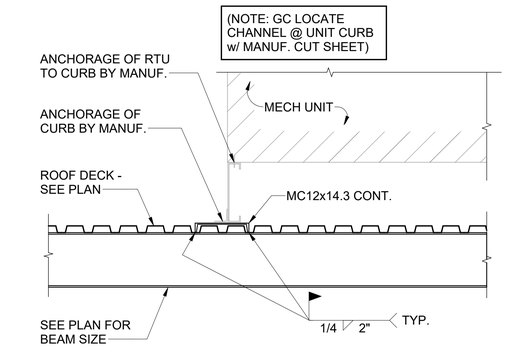
6A ANGLE TO BEAM FLANGE CONN.

6 BOTTOM FLANGE BRACING

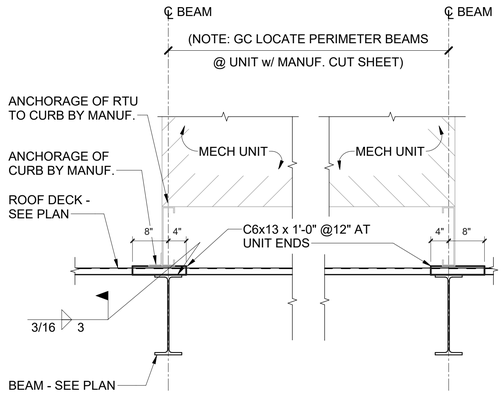


PARALLEL TO BEAM PERPENDICULAR TO BEAM

5 KICKER ANCHORAGE AT BEAMS

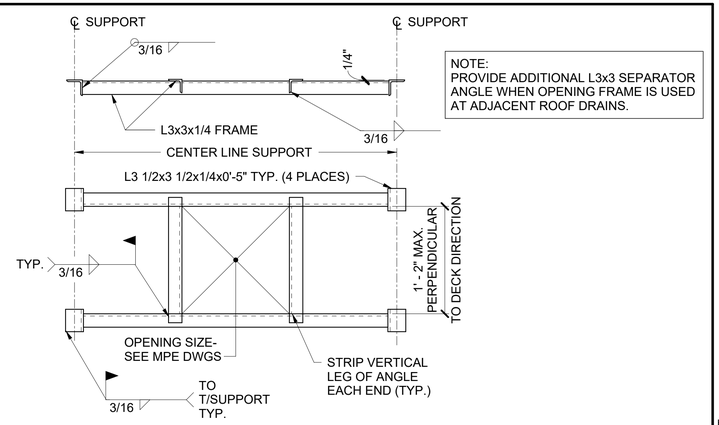


4B SECTION ALONG ROOFTOP UNIT



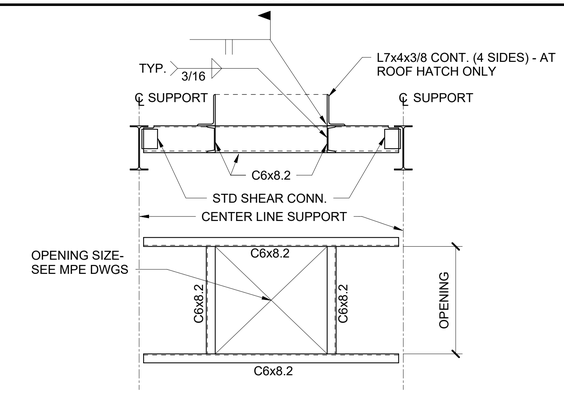
4A SECTION AT ROOFTOP UNIT

4 SECTION AT ROOFTOP UNIT



NOTE:
PROVIDE ADDITIONAL L3x3 SEPARATOR ANGLE WHEN OPENING FRAME IS USED AT ADJACENT ROOF DRAINS.

3 TYPICAL ROOF OPENING FRAME FOR OPENINGS UP TO 14" AS NOTED



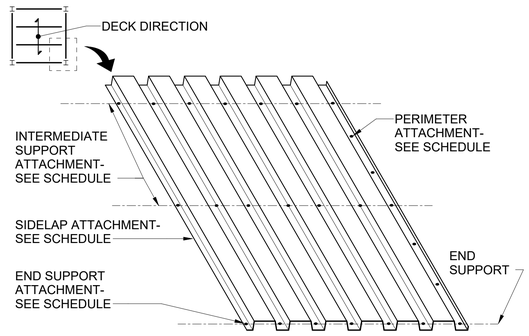
2 CHANNEL ROOF OPENING FRAME

ROOF DECK ATTACHMENT SCHEDULE

ZONE	SIDELAP	INTERMEDIATE SUPPORT	END SUPPORT & PERIMETER
1	#10 SELF-TAPPING SCREWS @ 12"	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS	-----
2	#10 SELF-TAPPING SCREWS @ 12"	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS
3	#10 SELF-TAPPING SCREWS @ 12"	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS	36/7 PATTERN w/ 3/4" DIA. PUDDLE WELDS

ZONE LEGEND
1. INTERIOR ZONE
2. EDGE ZONE
3. CORNER ZONE

NOTE:
SEE WIND PRESSURE DIAGRAMS FOR DETAILED INFORMATION ON WIND ZONE LOCATIONS



1 1/2" TYPE "B" ROOF DECK GALVANIZED

1 ROOF DECK ATTACHMENT DETAIL

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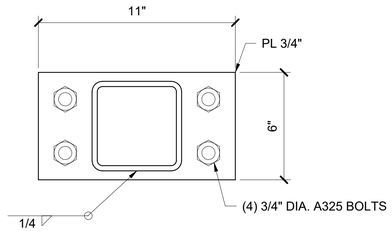
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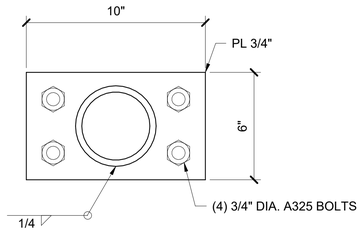
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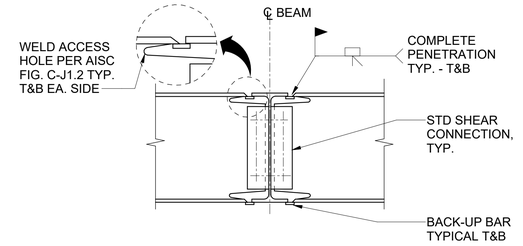


5B PLATE AT SQUARE HSS

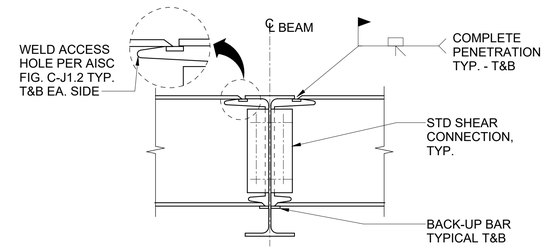


5A PLATE AT ROUND HSS

5 DETAIL AT SCREEN WALL PLATE

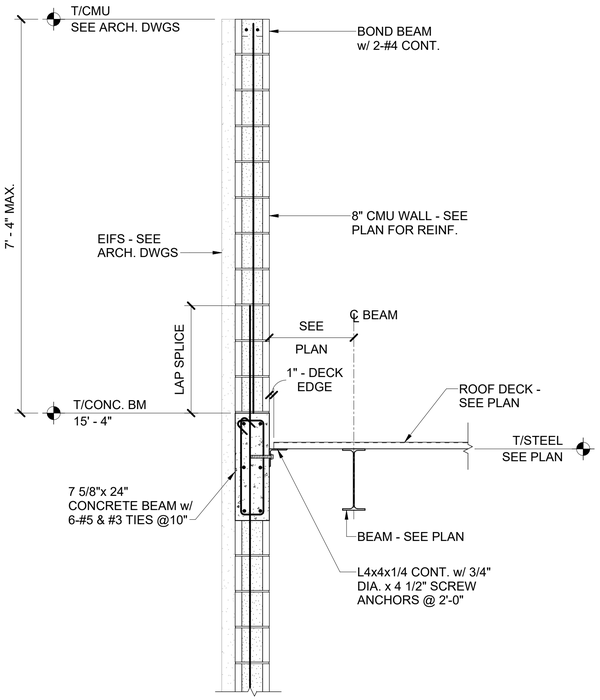


AT EQUAL DEPTH BEAMS

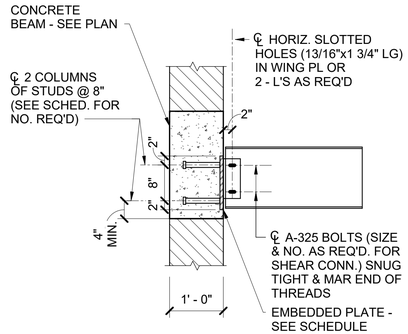


AT UNEQUAL DEPTH BEAMS

2 TYPICAL WELD THRU DETAILS



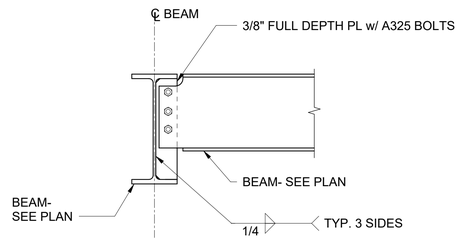
6 SECTION AT 8" CMU



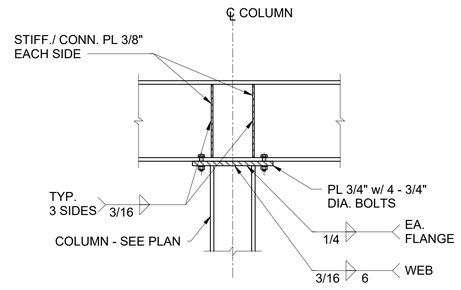
4 STEEL BEAM TO CONCRETE CONNECTION

SCHEDULE		
BEAM SIZE	NO. OF STUDS	PLATE SIZE
W10	4	1/2"
W12	4	1/2"
W14	4	1/2"
W16	4	1/2"
W18	6	3/4"
W21	6	3/4"

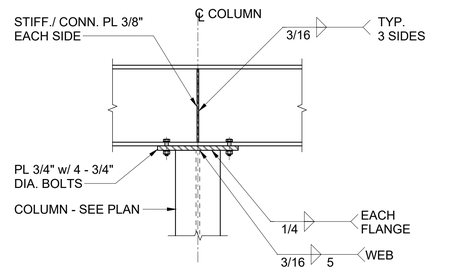
NOTE:
FOR 8" CMU, USE 6" LONG STUDS.
FOR 12" CMU, USE 8" LONG STUDS.



3 FULL DEPTH STIFFENER PLATE DETAIL



1B AT STRONG AXIS



1A AT WEAK AXIS

1 BEAM TO COLUMN CONNECTION FOR CONTINUOUS BEAMS

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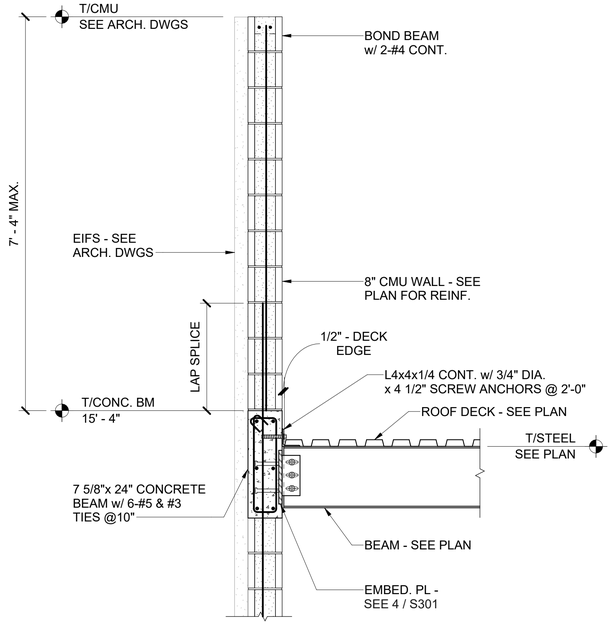
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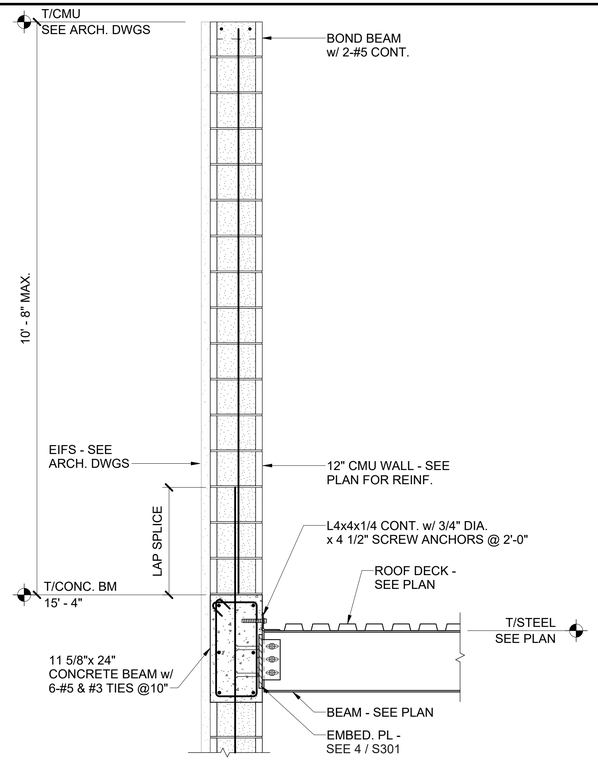
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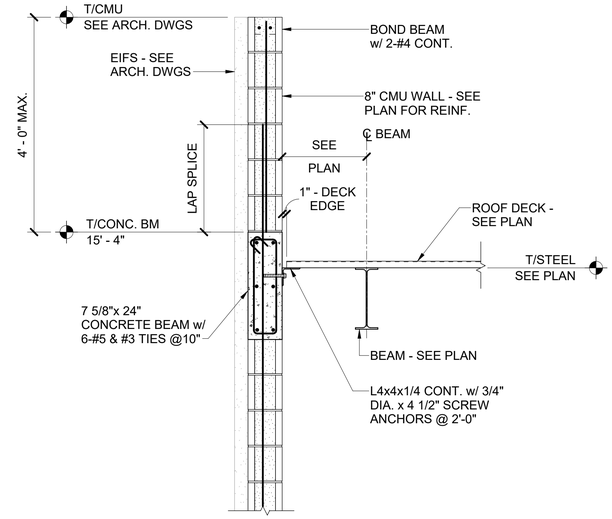
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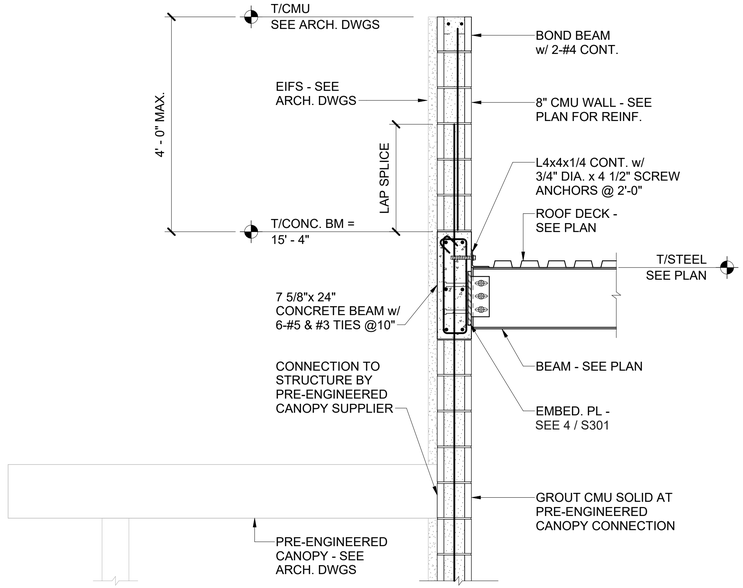
6 SECTION AT 8" CMU



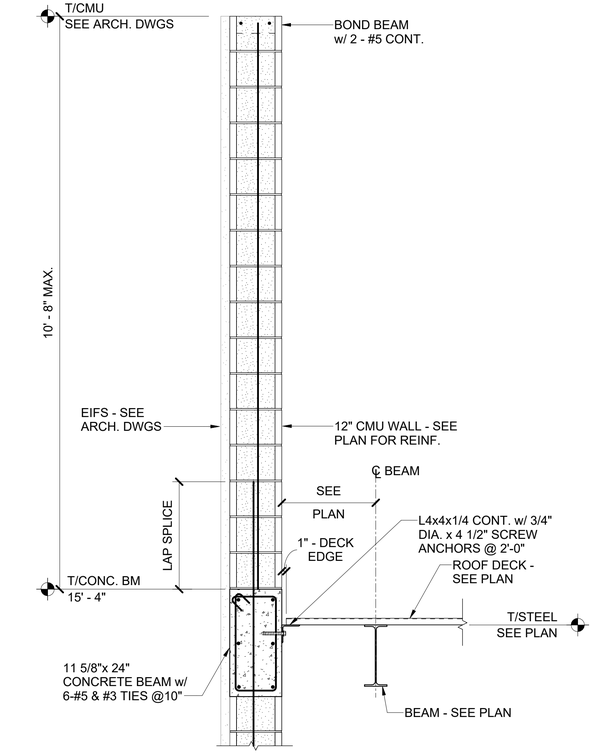
4 SECTION AT 12" CMU



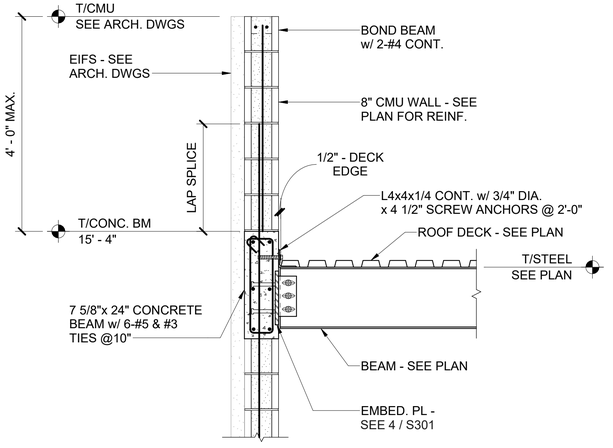
2 SECTION AT 8" CMU



5 SECTION AT PRE-ENGINEERED CANOPY



3 SECTION AT 12" CMU



1 SECTION AT 8" CMU

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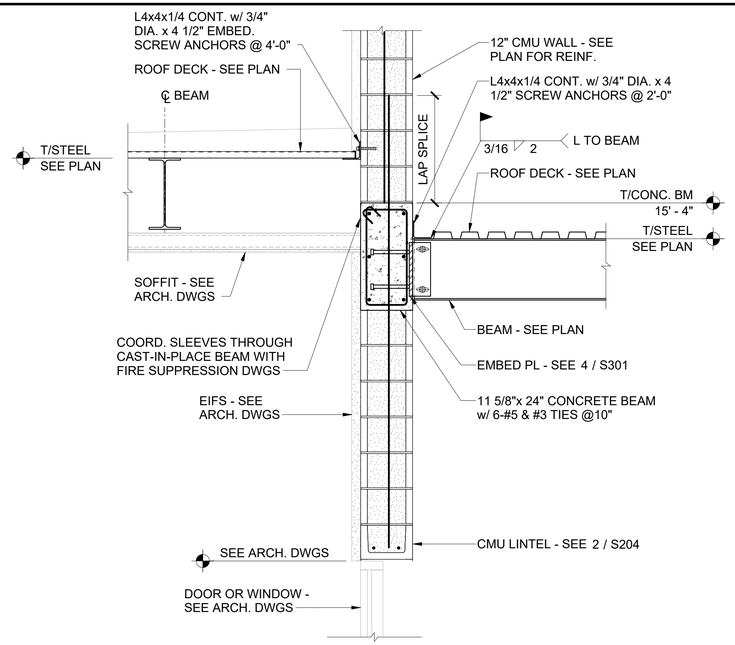
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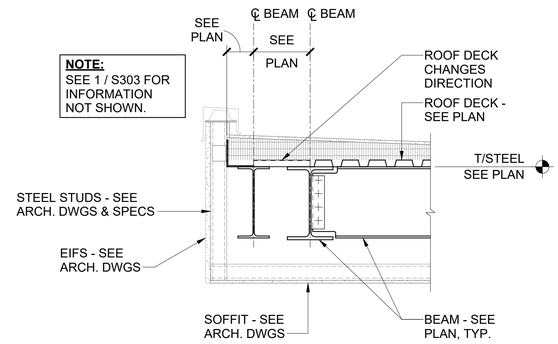
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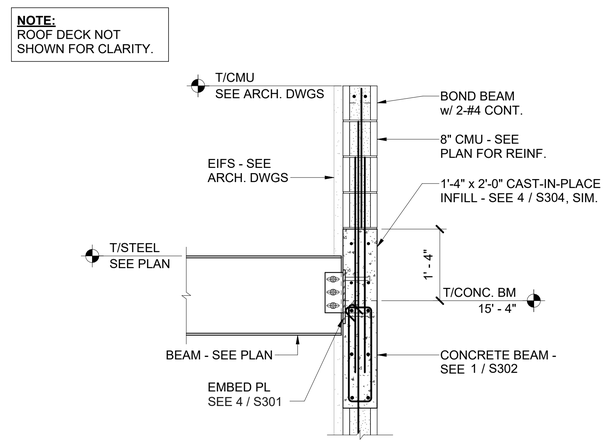
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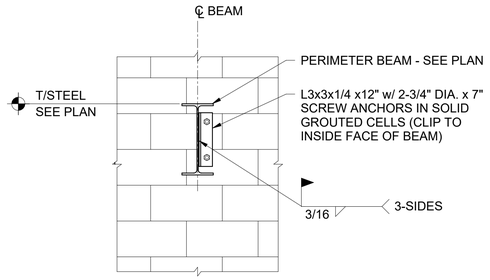
6 SECTION AT CANOPY



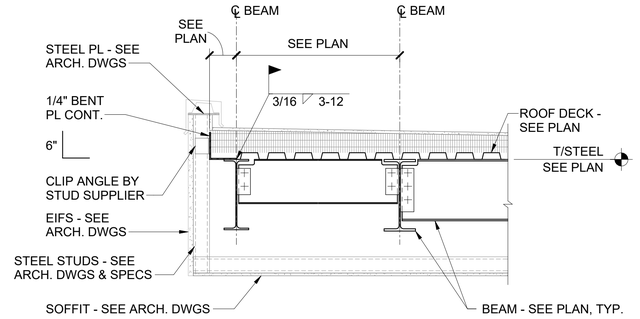
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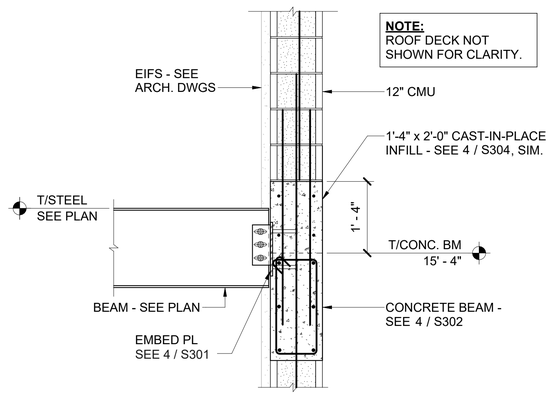
8 SECTION AT CANOPY BEAM CONNECTION



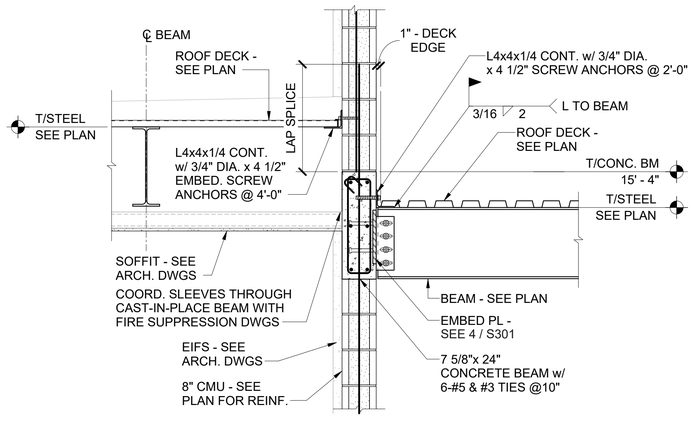
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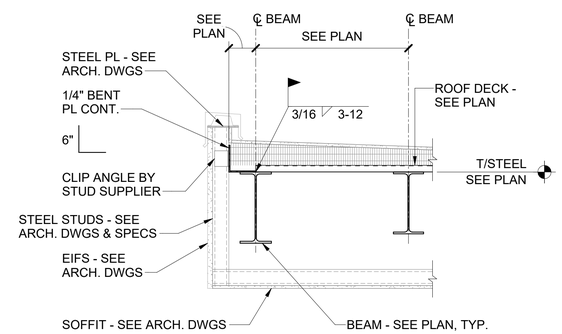
2 SECTION AT CANOPY



7 SECTION AT CANOPY BEAM CONNECTION



4 SECTION AT CANOPY



1 SECTION AT CANOPY

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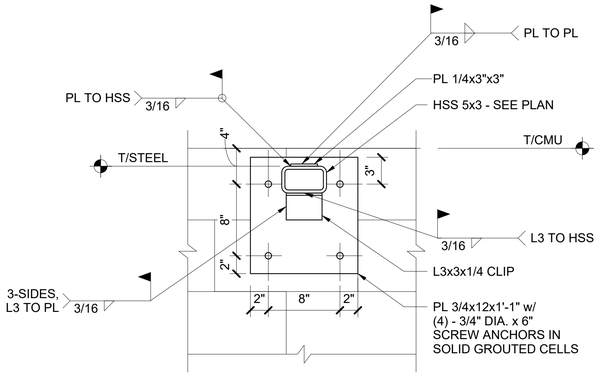
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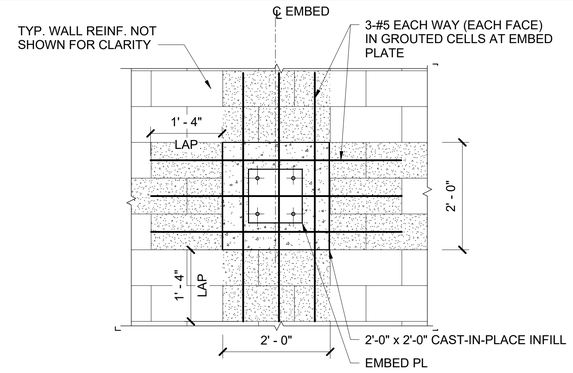
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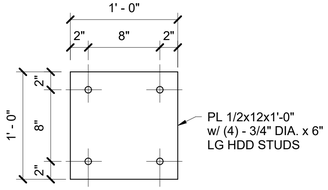
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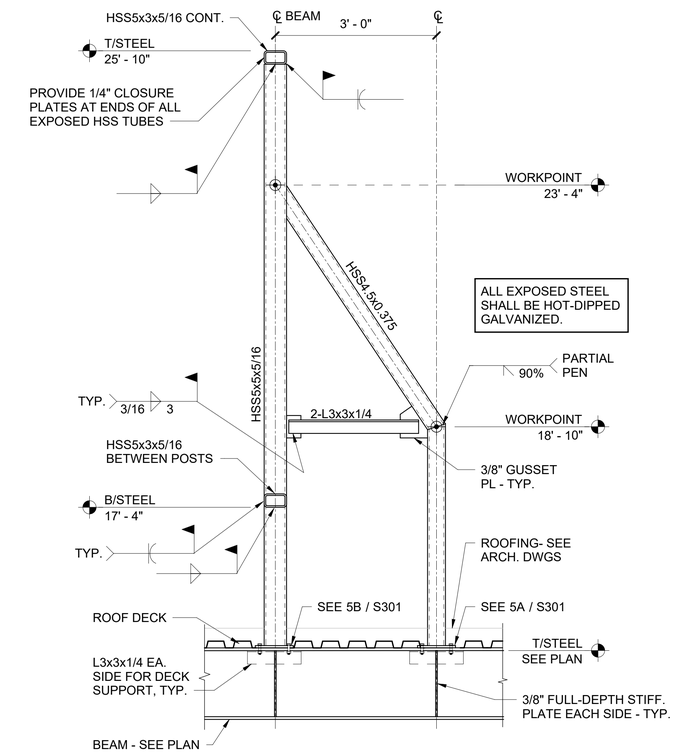
6 DETAIL AT WALL CONNECTION



4 DETAIL AT SCREEN WALL EMBED PL



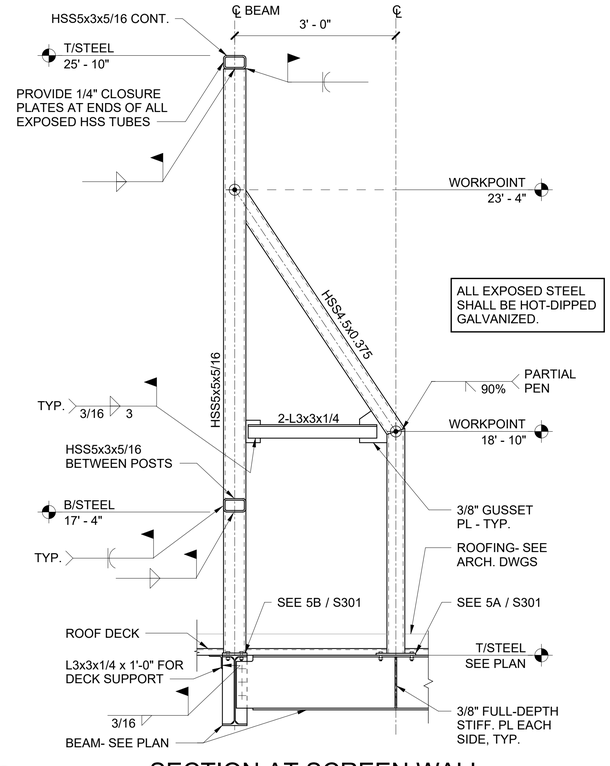
3A DETAIL



2 SECTION AT SCREEN WALL

5 SECTION AT SCREEN WALL

3 SECTION AT SCREEN WALL



1 SECTION AT SCREEN WALL

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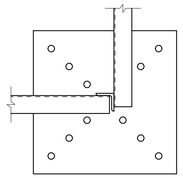
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SHEET
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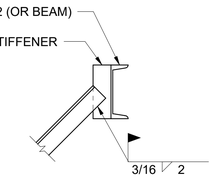
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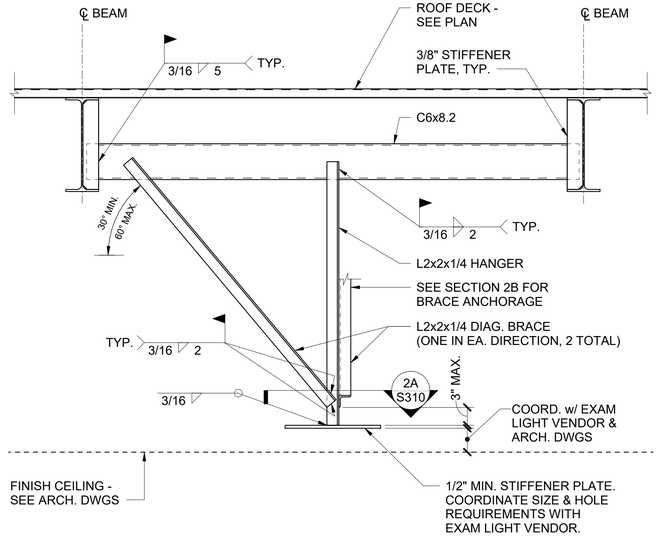
NOTE:
COORD. LOCATIONS
w/ ARCH. DWGS



2A PLATE DETAIL

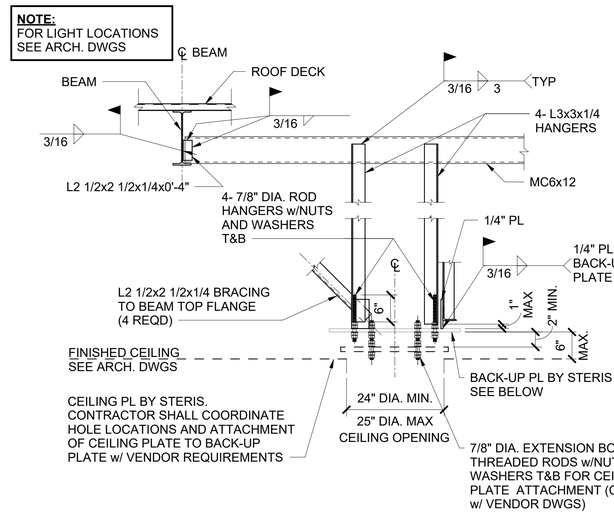


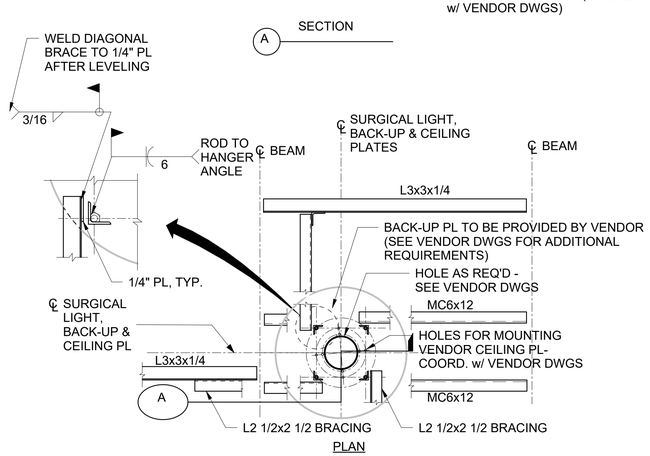
2B SECTION AT BRACE ANCHORAGE



2 TYPICAL DETAIL AT EXAM LIGHT AND CT INJECTOR SUPPORTS

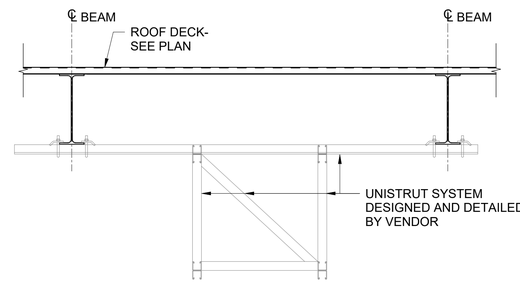
NOTE:
FOR LIGHT LOCATIONS
SEE ARCH. DWGS





3 STERIS LA OR LED SURGICAL LIGHT DETAIL

NOTE:
UNISTRUT TO BE USED
ONLY ABOVE GEN RAD;
COORD. w/ VENDOR DWGS



1 UNISTRUT ATTACHMENT DETAIL

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STATUS: CONSTRUCTION DOCUMENTS

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JODY KRISTOFER BOMAR LICENSE NO. 90957 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/18/25

Structural Design Group, Inc.
Certification #008380
Jody K. Bomar
FL Registration #0090957

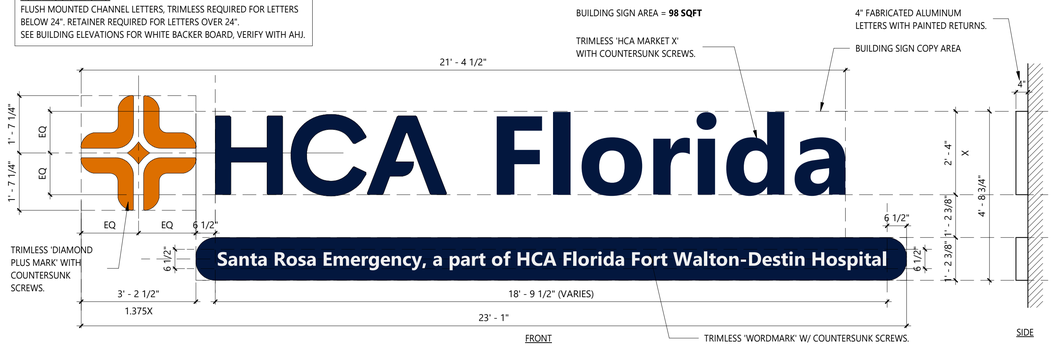
DATES OF ISSUANCE
12/18/2025

TITLE: OWNER FURNISHED EQUIPMENT

SHEET S310

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BUILDING SIGN NOTES:
FLUSH MOUNTED CHANNEL LETTERS, TRIMLESS REQUIRED FOR LETTERS BELOW 24". RETAINER REQUIRED FOR LETTERS OVER 24".
SEE BUILDING ELEVATIONS FOR WHITE BACKER BOARD, VERIFY WITH AHJ.



2 BUILDING SIGN - TYPE 1
SCALE: 1/2" = 1'-0"

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

10.01 APPROX LOCATION OF BUILDING SIGN 1; REF SIGNAGE DETAILS FOR SIZE & LAYOUT (CFCI)
10.03 APPROX LOCATION OF MONUMENT SIGN; REF SIGNAGE DETAILS FOR SIZE & LAYOUT (CFCI); COORDINATE FINAL LOCATION WITH AHJ REQUIREMENTS
10.11 APPROX LOCATION OF WAYFINDING SIGN; REF SIGNAGE DETAILS FOR SIZE & LAYOUT (CFCI); COORDINATE FINAL LOCATION WITH AHJ REQUIREMENTS
10.13 EMERGENCY SIGN; INTERNALLY ILLUMINATED RED LETTERS MOUNTED ON RACEWAY
10.14 FULLY BACKLIT FLEX FACE RED TOWER WITH 'ER' SIGN
22.08 APPROX LOCATION OF UNDERGROUND DECON TANK; REF PLUMBING
33.01 APPROX. LOCATION OF UNDERGROUND PROPANE GAS TANK; REF CIVIL AND MECHANICAL

AMBULANCE SIGN NOTES:
1) INTERNALLY ILLUMINATED, CHANNEL LETTERS MOUNTED ON RACEWAY
2) COLOR RED

DIRECTIONAL SIGN AREA = 21.9 SF



6 EMERGENCY SIGN (ON SMALL SIDE OF THE EMERGENCY CANOPY)
SCALE: 1/2" = 1'-0"

AMBULANCE SIGN NOTES:
1) NON-ILLUMINATED CHANNEL LETTERS
2) COLOR RED

DIRECTIONAL SIGN AREA = 9.5 SF



5 EMERGENCY SIGN (ABOVE SLIDING EMERGENCY DOOR)
SCALE: 1/2" = 1'-0"

AMBULANCE SIGN NOTES:
1) INTERNALLY ILLUMINATED, CHANNEL LETTERS MOUNTED ON RACEWAY
2) COLOR RED

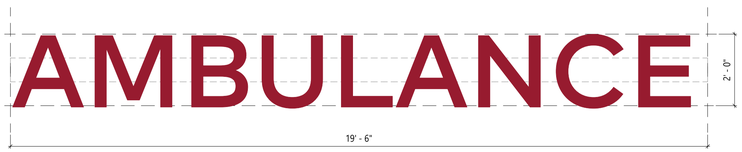
DIRECTIONAL SIGN AREA = 39 SF



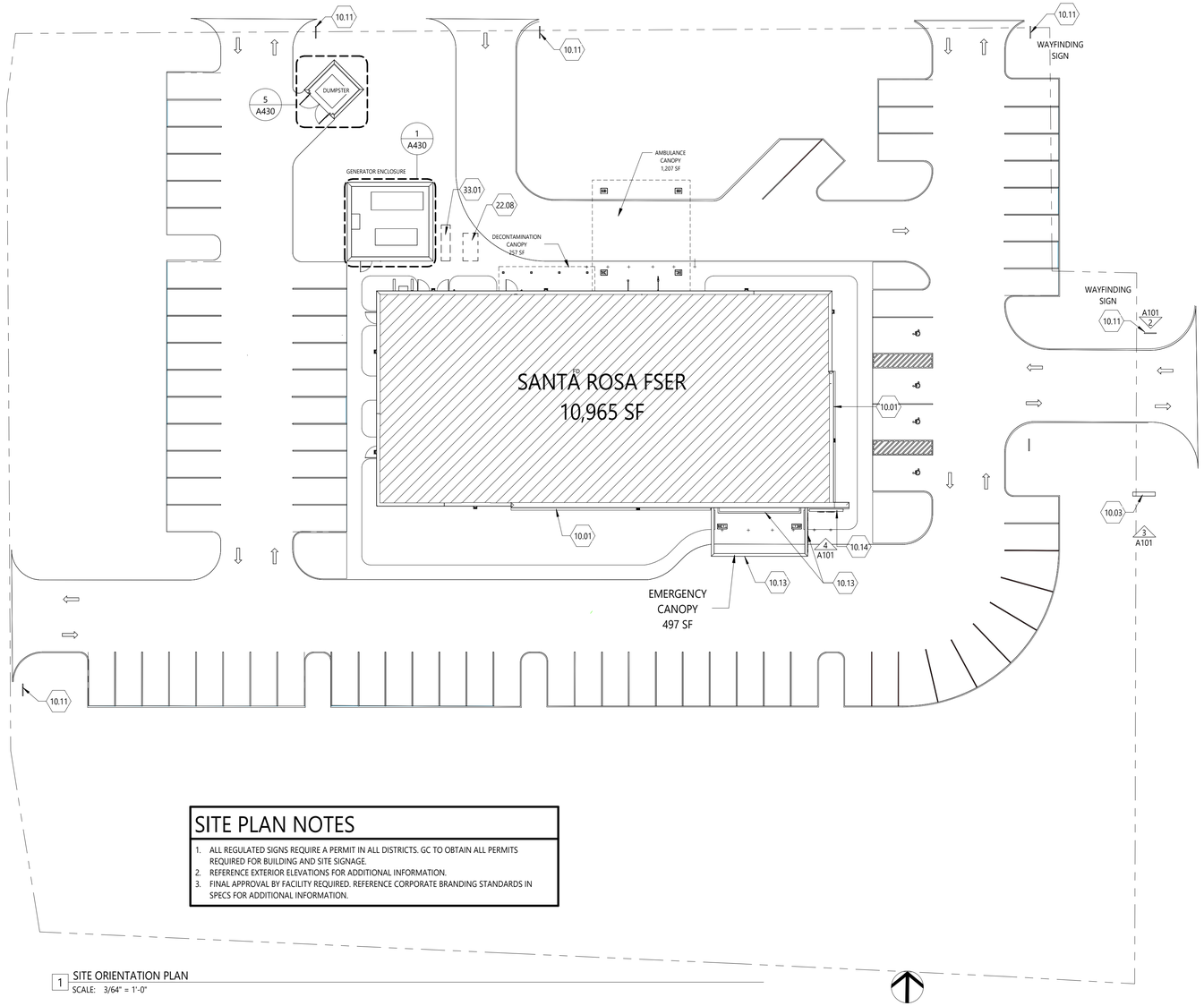
4 EMERGENCY SIGN
SCALE: 1/2" = 1'-0"

AMBULANCE SIGN NOTES:
1) INTERNALLY ILLUMINATED, CHANNEL LETTERS MOUNTED ON RACEWAY
2) COLOR RED

DIRECTIONAL SIGN AREA = 39 SF



3 AMBULANCE SIGN
SCALE: 1/2" = 1'-0"



SITE PLAN NOTES

1. ALL REGULATED SIGNS REQUIRE A PERMIT IN ALL DISTRICTS. GC TO OBTAIN ALL PERMITS REQUIRED FOR BUILDING AND SITE SIGNAGE.
2. REFERENCE EXTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
3. FINAL APPROVAL BY FACILITY REQUIRED. REFERENCE CORPORATE BRANDING STANDARDS IN SPECS FOR ADDITIONAL INFORMATION.

1 SITE ORIENTATION PLAN
SCALE: 3/64" = 1'-0"

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William E. Hereford, III
AR # 96247

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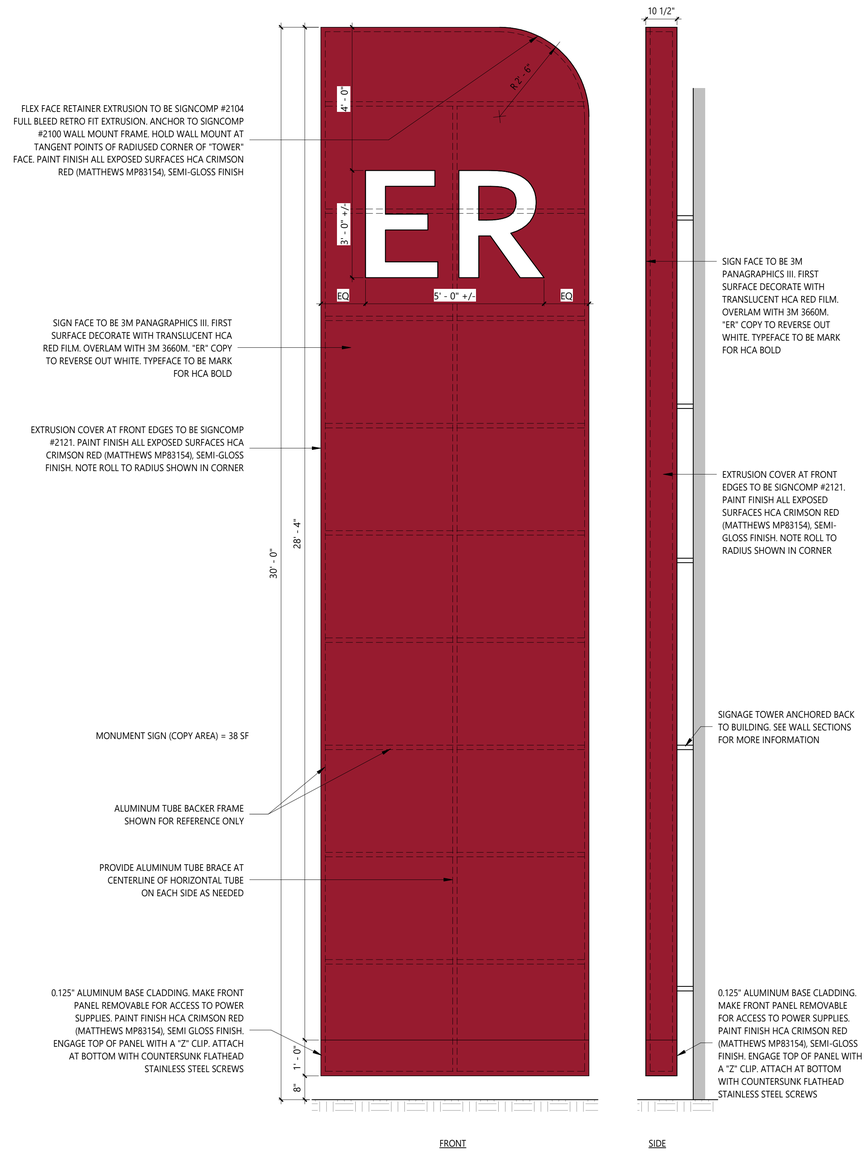
TITLE: SITE ORIENTATION PLAN & SIGNAGE

SHEET: A100

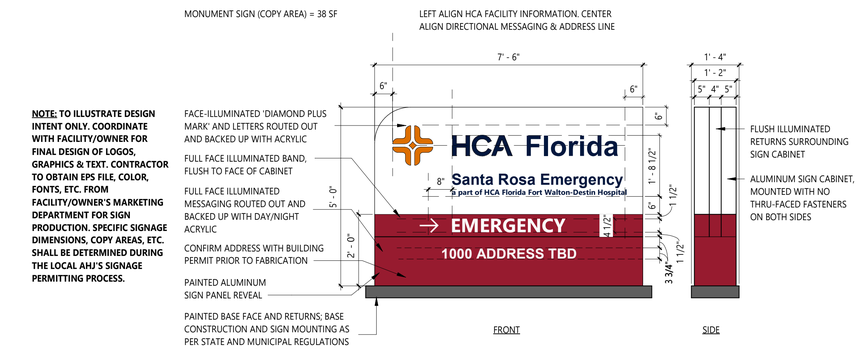
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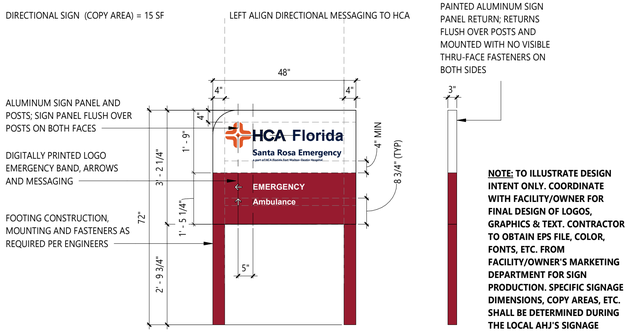


4 TOWER SIGN
SCALE: 1/2" = 1'-0"



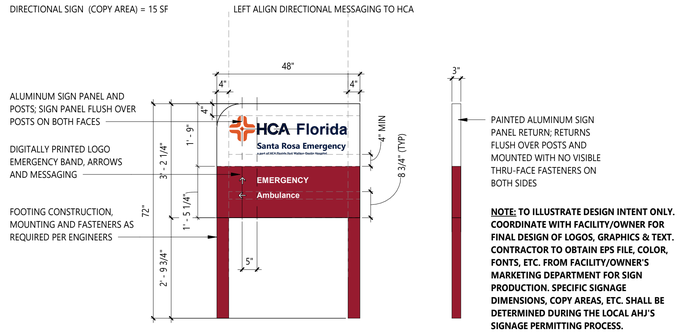
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3 MONUMENT SIGN
SCALE: 1/2" = 1'-0"



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2 POST AND PANEL WAYFINDING SIGN (B)
SCALE: 1/2" = 1'-0"



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1 POST AND PANEL WAYFINDING SIGN (A)
SCALE: 1/2" = 1'-0"

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WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

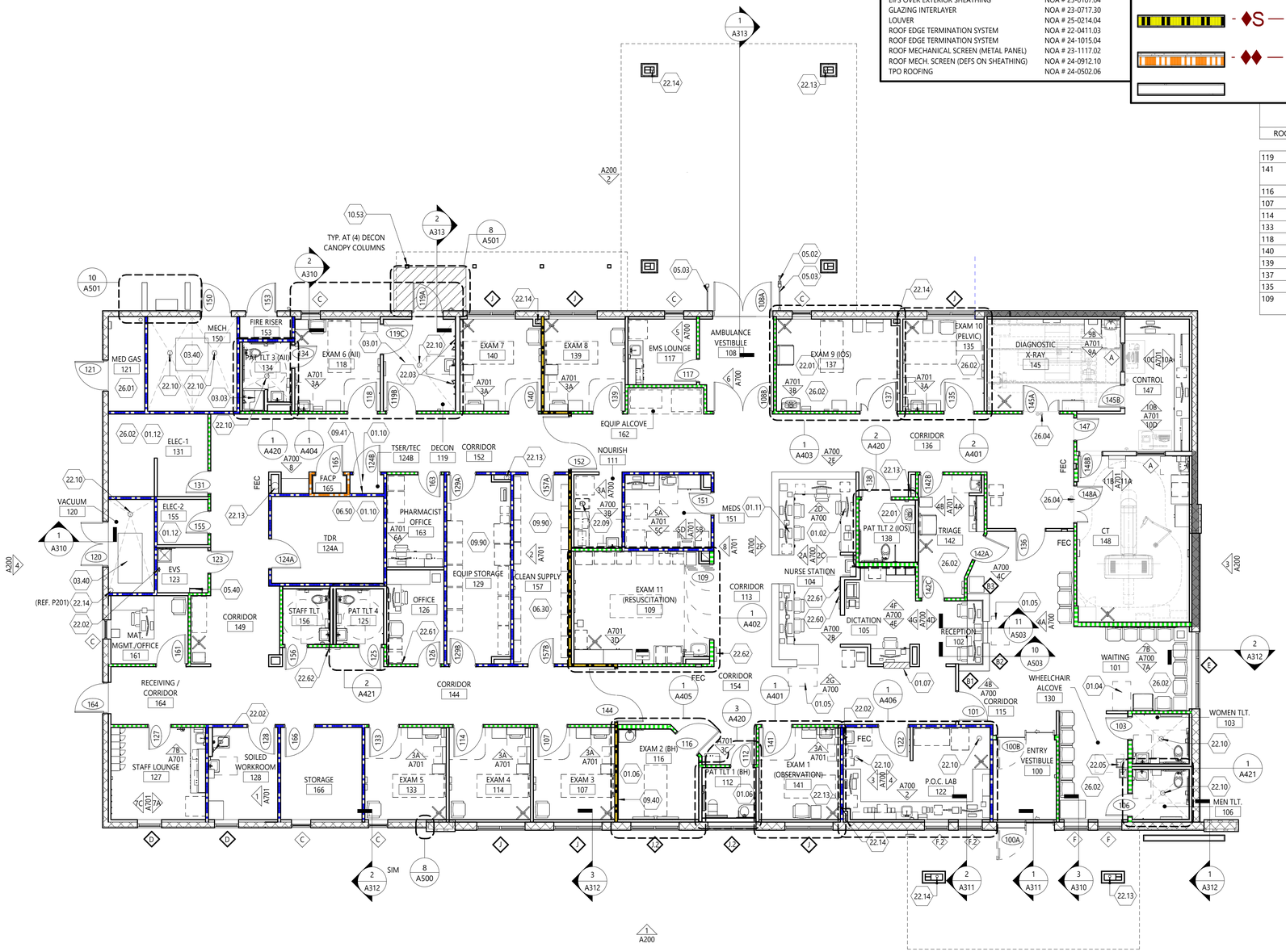
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TITLE: SIGNAGE DETAILS

SHEET: A101

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1 FLOOR PLAN - NOTED
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

NOA LISTINGS

ACCESS HATCH (ROOF)	NOA # 24-1029.02
ALUMINUM STOREFRONT WINDOW	FLPA # 42072.2
ALUMINUM SLIDING DOOR	NOA # 25-0311.05
ALUMINUM SWING DOOR - DOUBLE	FLPA # 16554.4
DOOR - DOUBLE FLUSH HM	NOA # 23-0821.19
DOOR - SINGLE FLUSH HM	NOA # 23-0821.18
DOOR - OUTSWING EXIT DEVICE	FLPA # 14022.1
EIFS OVER CMU	NOA # 25-0107.03
EIFS OVER EXTERIOR SHEATHING	NOA # 25-0107.04
GLAZING INTERLAYER	NOA # 23-0717.30
LOUVER	NOA # 25-0214.04
ROOF EDGE TERMINATION SYSTEM	NOA # 22-0411.03
ROOF EDGE TERMINATION SYSTEM	NOA # 24-1015.04
ROOF MECHANICAL SCREEN (METAL PANEL)	NOA # 23-1117.02
ROOF MECH. SCREEN (DEFS ON SHEATHING)	NOA # 24-0912.10
TPO ROOFING	NOA # 24-0502.06

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S	SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
	S	SMOKE BARRIER (1 HOUR RATING) (UL U465)
		2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

ROOM SCHEDULE

ROOM #	NAME	CLEAR AREA
119	DECON	128 SF
141	EXAM 1 (OBSERVATION)	144 SF
116	EXAM 2 (BH)	130 SF
107	EXAM 3	144 SF
114	EXAM 4	144 SF
133	EXAM 5	144 SF
118	EXAM 6 (AII)	151 SF
140	EXAM 7	144 SF
139	EXAM 8	144 SF
137	EXAM 9 (IOS)	217 SF
135	EXAM 10 (PELVIC)	144 SF
109	EXAM 11 (RESUSCITATION)	271 SF

FLOOR PLAN NOTES

1. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
2. CASEWORK FROM VENDOR IS SHADED FOR GRAPHIC CLARITY ONLY.
3. REFER TO FINISH AND VENDOR SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
4. G.C. SHALL INSTALL IN-WALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
5. G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
6. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
7. G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE PLUMBING IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.
8. ALL CORRIDOR WALLS SHALL BE CONSTRUCTED AS NON-RATED SMOKE PARTITIONS.
9. EXTEND ALL RATED WALLS TO DECK PER UL ASSEMBLY REQUIREMENTS. REFER TO G002 & G003 FOR INTERIOR PARTITION TYPES & DETAILS.
10. REFER TO G003 FOR RATED PARTITION PRIORITY AND RATED PARTITION INTERSECTIONS.
11. THE FLOOR DRAIN LOCATED IN NOURISHMENT (ROOM 111) SHALL BE LOCATED BENEATH THE ICE MAKER.
12. ROOM NAME DEFINITIONS:
    - AII = AIRBORNE INFECTION ISOLATION ROOM
    - BH = BEHAVIORAL HEALTH
    - CT = COMPUTERIZED TOMOGRAPHY
    - EVS = ENVIRONMENTAL SERVICES
    - IOS = INDIVIDUALS OF SIZE
    - MAT MGMT = MATERIAL MANAGEMENT
    - TEC = TECHNOLOGY EQUIPMENT CENTER
    - TDR = TECHNOLOGY DISTRIBUTION ROOM
    - TSER = TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
    - FACP = FIRE ALARM CONTROL PANEL

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

01.02 THIS WORKSTATION SHALL OPERATE AS THE "EMS COMMUNICATIONS CENTER." REFER TO VENDOR DRAWINGS FOR MORE INFORMATION ON EMS RADIO
01.04 ACCESSIBILITY SEATING AND COMPANION SPACES
01.05 PROVIDE CLEAR AREA OF 30" X 48" FOR PARALLEL APPROACH OF WHEELCHAIRS
01.06 ALL FIXTURES IN THIS ROOM SHALL BE ANTI-LIGATURE. ACCESS PANELS IN THIS ROOM SHALL HAVE A KEYED LOCK, NOT CAMLOCK
01.07 WALL @ 3'-10" AFF; PROVIDE SOLID SURFACE CAP; SEE DETAIL 9/A503 AND INTERIOR DWGS FOR FINISH.
01.10 NO ROOF PENETRATIONS ABOVE THIS ROOM; MEP OVERHEAD PIPING SHALL NOT PASS THROUGH THIS ROOM UNLESS DIRECTLY SERVING THIS ROOM
01.11 THIS WORK STATION SHALL OPERATE AS THE CENTRAL NURSE STATION
01.12 NO PIPING THROUGH THIS ROOM UNLESS DIRECTLY SERVING THIS ROOM
03.01 RECESS FLOOR SLAB 2" IN THE DECON ROOM 119; REF STRUCTURAL. SLOPE FLOOR TO DRAIN 1/8" PER FOOT MIN. IN THESE AREAS
03.03 GC SHALL COORDINATE SLAB PREP WITH SPECIFIED SHOWER PAN.
03.40 PROVIDE 4" CONCRETE PADS FOR EQUIPMENT; REF MECH
05.02 36" HIGH GOOSE NECK PEDESTAL FOR ACCESS CONTROL
05.03 PROVIDE GLIDE RAIL FOR AUTOMATIC DOORS
05.40 PREMANUFACTURED ALUMINUM LADDER TO ROOF HATCH
06.30 PROVIDE 1/2" FIRE TREATED PLYWOOD BACKING BETWEEN METAL STUDS AT WALL-HUNG BIN LOCATIONS
06.50 PROVIDE 96" HIGH FIRE TREATED PLYWOOD AT ALL WALLS THIS ROOM NEEDS TO BE FIRE SEALANT AT BOTTOM OF PARTITION AND AT ANY PENETRATIONS; DO NOT PAINT OVER FIRE RATING LABELS; REF INTERIORS FOR PAINT COLOR
09.40 INSTALL PARTITION TYPE F-P DIRECTLY TO PARTITION TYPE A3-1S
09.41 INSTALL 3/4" PLYWOOD DIRECTLY TO PARTITION FOR HANGING ELECTRICAL EQUIPMENT
09.90 PAINT 1" RED STRIPE 18" BELOW CEILING LEVEL THIS ROOM. SEE FINISH SPECIFICATIONS FOR PAINT COLOR.
10.53 PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO #543 MEDIUM BRONZE
22.01 PLUMBING FIXTURE AND EQUIPMENT SHALL WITHSTAND 1000 LBS MIN. VERTICAL FORCE
22.02 EMERGENCY EYEWASH; REF PLUMBING
22.03 ACID RESISTANT HAND HELD SHOWER WANDS WITH MIXING VALVE; REF PLUMBING
22.05 HI-LOW DRINKING FOUNTAIN; PROVIDE CANE DETECTION AT HIGH FOUNTAIN
22.09 FLOOR DRAIN LOCATED BELOW EQUIPMENT; REF PLUMBING
22.10 FLOOR DRAIN; REF PLUMBING AND ACCESSIBILITY INFORMATION
22.13 APPROX LOCATION OF ROOF LEADER FROM ROOF DRAIN; REF PLUMBING
22.14 APPROX LOCATION OF OVERFLOW LEADER FROM ROOF DRAIN; REF PLUMBING
22.60 LINE PRESSURE ALARMS; REF PLUMBING
22.61 MASTER ALARM PANEL; REF PLUMBING
22.62 ZONE VALVE BOX; REF PLUMBING
26.01 ALL OUTLETS AND DEVICES SHALL BE 60" AFF MIN.
26.02 ROOM SHALL BE EQUIPPED WITH TAMPER PROOF OUTLETS THROUGHOUT
26.04 APPROX LOCATION OF WARNING "IN USE" LIGHT; REF ELECTRICAL & VENDOR DRAWINGS

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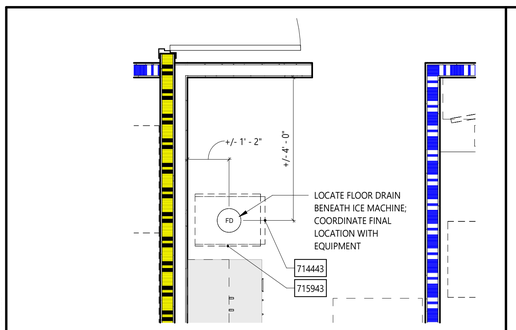
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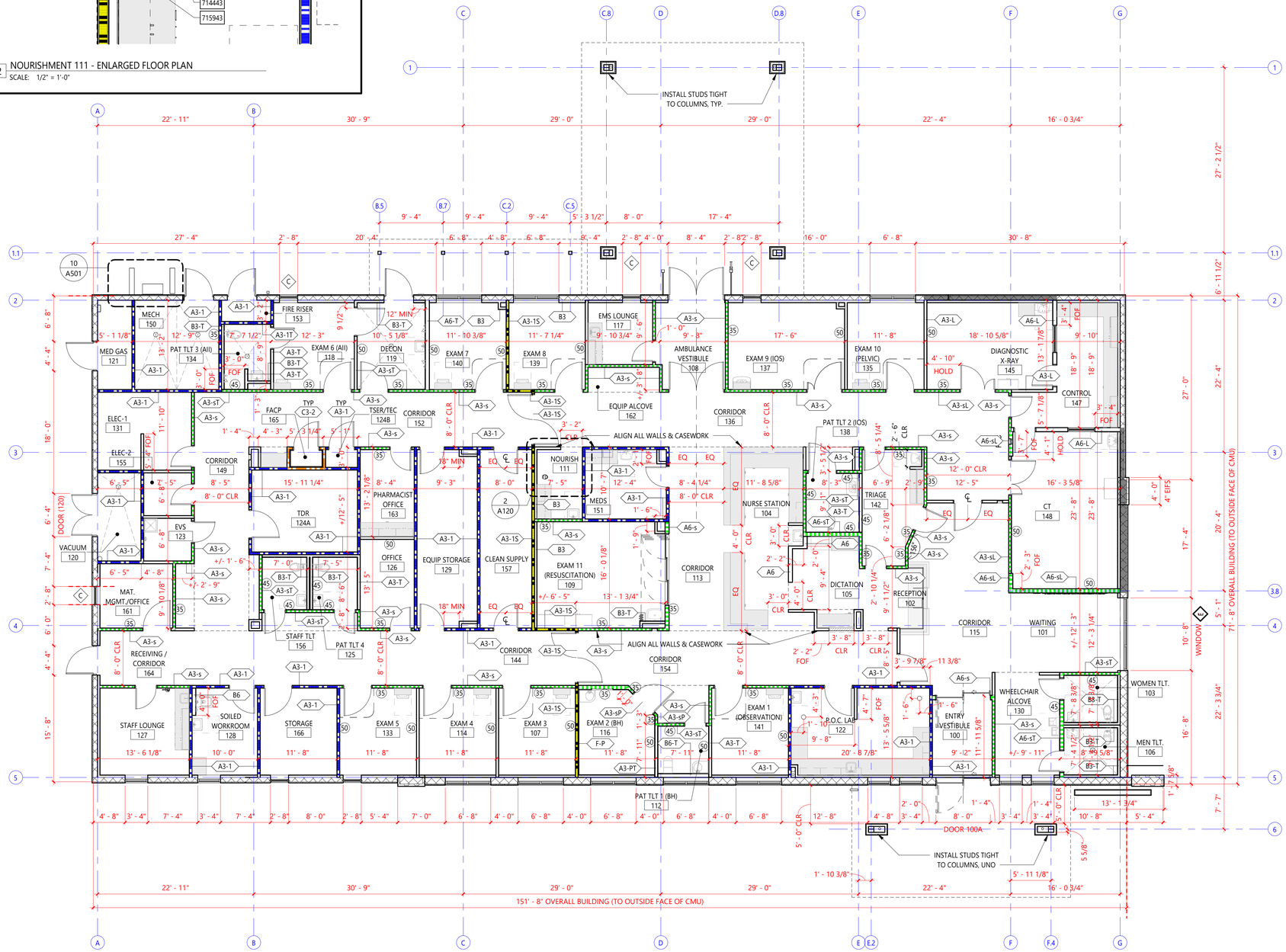
TITLE: FLOOR PLAN - NOTED

SHEET: A110

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2 NOURISHMENT 111 - ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0"



1 FLOOR PLAN - DIMENSION
SCALE: 1/8" = 1'-0"

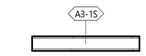
0' 4' 8' 16' 32'

DIMENSION PLAN NOTES

1. UNLESS OTHERWISE NOTED, DIMENSIONS ON PLANS ARE AS FOLLOWS:
   - TO FACE OF MASONRY
   - TO FACE OF CONCRETE
   - TO FACE OF STUD
   - GRIDLINES: TO CENTER LINE OF COLUMNS
2. DOOR OPENINGS NOT LOCATED BY DIMENSIONS ARE EITHER CENTERED IN THE WALL OR ARE LOCATED 5" FROM FINISH WALL TO INSIDE FACE OF JAMB.
3. TYPICAL PARTITION TYPE IS 'A3'; UNLESS NOTED OTHERWISE.
4. TYPICAL PARTITION TYPE AT COLUMN FURR OUT IS 'B3'; UNLESS NOTED OTHERWISE.
5. SEE ENLARGED PLAN DETAILS AND ELEVATIONS FOR ADDITIONAL INFORMATION. ANY DISCREPANCIES MUST BE COORDINATED WITH THE ARCHITECT BEFORE PROCEEDING.
6. DIMENSIONS WITH THE NOTE 'CLR', 'CLEAR', OR 'FOF' INDICATED DIMENSIONS FROM FACE OF FINISH TO FACE OF FINISH.
7. CONTROL JOINTS ARE NOTED ON THE FLOOR PLAN AS 'CJ'. THE CONTROL JOINTS ARE TO BE COORDINATED WITH THE STRUCTURAL DRAWINGS.

PARTITION TAG LEGEND

PARTITION TAG GRAPHIC

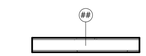


ABBREVIATIONS:
P - PLYWOOD
s - SMOKE PARTITION
S - SMOKE BARRIER
T - TILE
L - LEAD

PARTITION TAG ABBREVIATION



STC TAG GRAPHIC



STC = SOUND TRANSMISSION CLASSIFICATION

REFER TO STC WALL RATING

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
–S——S–		SMOKE PARTITION
–♦–♦–♦–		1-HR FIRE BARRIER (UL U465)
-♦S—♦S-		SMOKE BARRIER (1 HOUR RATING) (UL U465)
-♦♦—♦♦-		2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

HEREFORD · DOOLEY
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

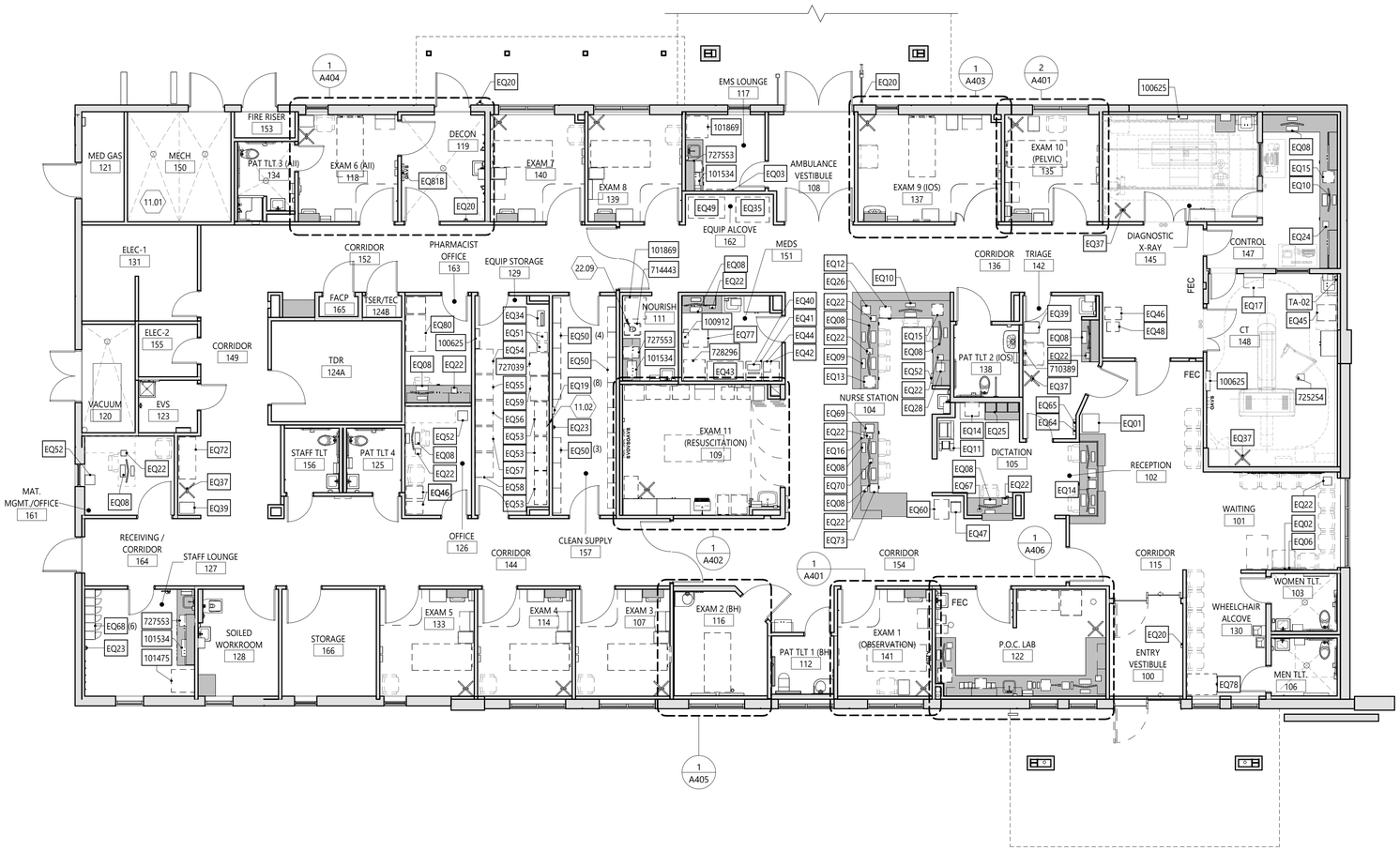
DATES OF ISSUANCE
12/18/2025

TITLE: FLOOR PLAN - DIMENSION

SHEET: A120

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12/19/2025 9:50:07 AM



1 FLOOR PLAN - EQUIPMENT
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES

1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

######
OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

EQ##
EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT PLAN NOTES

1. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN QUANTITY OR ROOM LOCATION. EXACT LOCATION WITHIN ROOM MAY VARY SLIGHTLY. FINAL LAYOUT APPROVAL PENDING OWNER REVIEW. REFER TO CASEWORK ELEVATIONS FOR MORE INFORMATION.
2. VERIFY EQUIPMENT WITH OWNER.
3. G.C. SHALL COORDINATE THE TESTING FOR THE BI-DIRECTIONAL AMPLIFIER (BDA) SYSTEM FOR LOCAL EMERGENCY RESPONSE SERVICES PER THE NFPA AND LOCAL AHJ REQUIREMENTS. G.C. SHALL EXTEND (1) 2" CONDUIT THROUGH THE ROOF FOR POTENTIAL BDA SYSTEM.

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

11.01 REF. MECHANICAL FOR EQUIPMENT IN THIS ROOM
11.02 WIRE RACK FOR INDEPENDENT ONSITE POTABLE WATER SUPPLY; 129 GALLONS
22.09 FLOOR DRAIN LOCATED BELOW EQUIPMENT; REF PLUMBING

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DATES OF ISSUANCE
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△

TITLE
FLOOR PLAN - EQUIPMENT

SHEET
A130

HCA FSER - MEDICAL EQUIPMENT LIST

223017.00 - SANTA ROSA FSER

EQUIPMENT CATEGORY	DESCRIPTION	EQUIPMENT NUMBER	FACILITY	OWNER			CONTRACTOR			COMMENTS
			purchase	purchase	place	install	purchase	place	install	
LIGHT, EXAM, 1 FIXED	EXAM LIGHT (CEILING MOUNTED)	100248		x	x	x			x	CONTRACTOR RESPONSIBLE FOR STRUCTURAL CEILING SUPPORTS. REFER TO OWNER FURNISHED EQUIPMENT BROCHURE FOR REFERENCE. STRUCTURAL PLATES SHIPPED BY VENDOR
ILLUMINATORS, X-RAY FILS, RECESSED	FILM ILLUMINATOR (2 PANEL MOBILE)	100621		x				x	x	
ILLUMINATORS, X-RAY FILS, RECESSED	MOBILE STAND FOR FILM ILLUMINATOR (2 PANEL)	100622		x				x	x	TO BE USED WITH FILM ILLUMINATOR (100621)
SHELVING/STORAGE EQUIPMENT, POINT OF USE APRON RACK	8-PEG APRON RACK	100625		x				x	x	CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING
LAB ANALYZERS/INSTRUMENTATION	CACTUS SINK	100912		x		x		x		CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING
LAB ANALYZERS/INSTRUMENTATION	POWER ADAPTER FOR CACTUS SINK	100913								
REFRIGERATORS, UNDER COUNTER	UNDERCOUNTER REFRIGERATOR	100958		x		x		x		
SURGICAL LIGHT, TRUAMA, 1 FIXED	EXAM LIGHT 1-HEAD OS NON-CAMERA READY	101046		x	x	x			x	CONTRACTOR RESPONSIBLE FOR STRUCTURAL CEILING SUPPORTS. REFER TO OWNER FURNISHED EQUIPMENT BROCHURE FOR REFERENCE. STRUCTURAL PLATES SHIPPED BY VENDOR
SHELVING/STORAGE EQUIPMENT, POINT OF USE TRANSFER DEVICE	TRANSFER DEVICE STORAGE RACK	101211		x				x	x	CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING
REFRIGERATORS, UNDER COUNTER	UNDERCOUNTER REFRIGERATOR (PHARMACY)	101351		x		x		x		
REFRIGERATORS, UNDER COUNTER	REFRIGERATOR- DOUBLE DOOR	101365		x		x		x		
REFRIGERATORS, UPRIGHT	REFRIGERATOR, SIDE-BY-SIDE	101475		x		x		x		
MICROWAVE	MICROWAVE	101534		x		x		x		
REFRIGERATORS, UPRIGHT	REFRIGERATOR W/ TOP FREEZER	101869		x		x		x		
FREEZERS, UNDERCOUNTER	UNDERCOUNTER FREEZER (LAB)	101902		x		x		x		
REFRIGERATORS, UNDER COUNTER	BLOOD BANK REFRIGERATOR (LAB)	102021		x		x		x	x	CONTRACTOR TO INSTALL CONDUIT AND CONNECT TO 730444 IN NURSE STATION WITH LOW VOLTAGE CABLING
ICE MACHINES	BASE STAND W/ FILTER SYSTEM INSTALLED	102160		x				x	x	
LAB ANALYZERS/INSTRUMENTATION	TROPHON EPR DISINFECTION SYSTEM, WALL MOUNTED	102388		x	x	x			x	
COMMUNICATIONS EQUIP/SYSTEMS	REMOTE ALARM DELAY MODULE	102443		x				x	x	CONTRACTOR TO INSTALL CONDUIT AND CONNECT TO 102021 IN LAB WITH LOW VOLTAGE CABLING
LAB ANALYZERS/INSTRUMENTATION	DIAGNOSTIC SET	710389		x				x	x	CONTRACTOR ALSO RESPONSIBLE FOR IN-WALL BLOCKING
ICE MACHINES	ICEMAKER/DISPENSER	714443		x				x	x	
LAB ANALYZERS/INSTRUMENTATION	FLUID WARMER	722556		x		x		x		
LAB ANALYZERS/INSTRUMENTATION	DUAL STELLANT CT INJECTOR	725254		x	x	x			x	CONTRACTOR RESPONSIBLE FOR STRUCTURAL CEILING SUPPORTS AND 2 1/2" CONDUIT TO CONTROL ROOM. STRUCTURAL PLATES SHIPPED BY VENDOR. EQUIPMENT INSTALLED BY OWNERS VENDOR
LAB ANALYZERS/INSTRUMENTATION	WARMING CABINET	727039		x		x		x		
COFFEE MAKER	COFFEE MAKER	727553	x		x	x				FACILITY TO CONTRACT WITH THEIR PREFERED COFFEE VENDOR AND PROVIDE AS PART OF CONSUMABLES AGREEMENT.
REFRIGERATORS, UPRIGHT	REFRIGERATOR, MEDS	728296		x		x		x		
SURGICAL LIGHT, TRUAMA, 1 FIXED	SURGICAL LIGHT MOUNTING PLATES & TRAUMA RECESS KIT	728958		x	x	x			x	
REGISTRATION KIOSK & INFORMATION SCREENS	KIOSK	EQ01		x	x	x			x	CONTRACTOR RESPONSIBLE FOR ANCHORING TO FLOOR OR IN-WALL BLOCKING, IF EQUIPMENT IS PROVIDED
TELEVISION SETS	MONITOR BRACKET	EQ02		x	x	x			x	MONITOR BRACKET (EQ02) IS PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING INSTALL.
TELEVISION SETS	43" TRACKER MONITOR	EQ03		x	x	x			x	MONITOR BRACKET (EQ02) IS PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING INSTALL.
TELEVISION SETS	43" FLAT SCREEN TV	EQ04		x	x	x			x	MONITOR BRACKET (EQ02) IS PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING INSTALL.
TELEVISION SETS	55" FLAT SCREEN TV	EQ05		x	x	x			x	MONITOR BRACKET (EQ02) IS PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING INSTALL.
TELEVISION SETS	55" TRACKER MONITOR	EQ06		x	x	x			x	MONITOR BRACKET (EQ02) IS PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING INSTALL.
DATA/NETWORK EQUIPMENT, PC COMPUTER	COMPUTER STATION (SINGLE MONITOR)	EQ07		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, PC COMPUTER	COMPUTER STATION (DUAL MONITOR)	EQ08		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MONITORING EQUIPMENT	CENTRAL COMPUTER STATION (SINGLE MONITOR)	EQ09		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
PICTURE ARCHIVE AND COMMUNICATIONS SYSTEMS (PACS)	PACS COMPUTER STATION (DUAL MONITOR)	EQ10		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, COPIER/PRINTER/FAX (FLOOR MODEL)	COPIER	EQ11	x		x	x				FACILITY TO LEASE AND COORDINATE INSTALLATION WITH VENDOR.
SCANNER	MED COM SCANNER	EQ12		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
PRINTER	CENTRAL STATION PRINTER (UC)	EQ13		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, COPIER/PRINTER/FAX (TABLE MODEL)	PRINTER/SCANNER/FAX (MULTI-FUNCTION)	EQ14		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
PICTURE ARCHIVE AND COMMUNICATIONS SYSTEMS (PACS), FILM LASER PRINTER	PACS STATION PRINTER	EQ15		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, PRINTER	LABEL PRINTER	EQ16		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
FURNITURE, PATIENT ROOMS, PROXIMITY PC CABINETS	PROXIMITY CABINET #S-CWT-28	EQ17		x			x	x		CONTRACTOR TO INSTALL IN-WALL BLOCKING AND OWNER-PROVIDED CABINETS; OWNER'S VENDOR TO INSTALL TECHNOLOGY
DATA/NETWORK EQUIPMENT, PC COMPUTER	SECURITY COMPUTER STATION (DUAL MONITOR)	EQ18		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, PC COMPUTER	COMPULOCKS WALL AND SCANNER BRACKET	EQ19		x			x	x		CONTRACTOR TO INSTALL IN-WALL BLOCKING AND OWNER-PROVIDED CABINETS; FACILITY TO INSTALL TECHNOLOGY
COMMUNICATIONS EQUIP/SYSTEMS	CALL BUTTON, WALL MOUNTED	EQ20		x	x	x				ALGO BOX OR EQUIVALENT; REFER TO TELECOM DRAWINGS FOR SPECIFICATIONS
COMMUNICATIONS EQUIP/SYSTEMS, TELEPHONE	TELEPHONE (TTY)	EQ21		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
COMMUNICATIONS EQUIP/SYSTEMS, TELEPHONE	TELEPHONE (TABLETOP)	EQ22		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
COMMUNICATIONS EQUIP/SYSTEMS, TELEPHONE	TELEPHONE (WALL)	EQ23		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
COMMUNICATIONS EQUIPMENT/SYSTEMS, 2. CD BURNER	COMPACT DISC BURNER	EQ24		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT, POINT OF CARE(I-STAT, ACCUCHEK)	POINT OF CARE	EQ25		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
CLOCKS, INTERNAL TIMERS/RECORDERS	TIME STAMP	EQ26		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
CLOCKS, KRONOS TIME & ATTENDANCE	EMPLOYEE TIME CLOCK	EQ27		x				x	x	CONTRACTOR RESPONSIBLE FOR IN-WALL BLOCKING, OWNER PROVIDED, INSTALLED BY CONTRACTOR.
COMMUNICATIONS EQUIP/SYSTEMS, EMS RADIO (ED)	EMS RADIO	EQ28		x	x	x			x	CONTRACTOR TO PROVIDE CONDUIT AND PULL CABLE. EQUIPMENT INSTALLED BY OWNER'S VENDOR
LAB ANALYZERS/INSTRUMENTATION	SYSMEX OR MEDITECH COMPUTER (LAB)	EQ29		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
CLOCKS, INTERAL TIMERS/RECORDERS	TRAUMA WALL CLOCK	EQ30					x	x	x	ALLSYNCE 3-WIRE FLUSH MOUNT DIGITAL CLOCK IN BLACK, SKU: 3WD01RFA WITH ASSOCIATED RESET CONTROLS AT/STCS. CONTRACTOR TO COORDINATE WITH OTHER ITEMS WITHIN HEADWALL
LAB ANALYZERS/INSTRUMENTATION	CLINITEK STATUS- URINE	EQ31	x		x	x				FACILITY ORDERS AND COORDINATES DELIVERY DATE.
LAB ANALYZER/INSTRUMENTATION	CENTRIFUGE (LAB)	EQ32	x		x	x				FACILITY ORDERS AND COORDINATES DELIVERY DATE.
LAB ANALYZERS/INSTRUMENTATION	STAT SPIN (LAB)	EQ33	x		x	x				FACILITY ORDERS AND COORDINATES DELIVERY DATE.
X-RAY	X-RAY DETECTOR AND DOCKING STATION	EQ34		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
X-RAY	PORTABLE X-RAY	EQ35		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
STRETCHERS	STRETCHER	EQ36		x	x	x				
STAND, IV	IV STAND	EQ37		x	x	x				
CART, MISCELLANEOUS	BEDSIDE CART	EQ38		x	x	x				
STAND, MAYO	MAYO STAND	EQ39		x	x	x				
DATA/NETWORK EQUIPMENT, PC COMPUTER	MEDICAL SUPPLY COMPUTER STATION (SINGLE MONITOR) (MEDS)	EQ40		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MEDICINE CENTER, PYXIS	PYXIS MAIN (MEDS)	EQ41		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MEDICINE CENTER, PYXIS	PYXIS AUX. DISP. (MEDS)	EQ42		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MEDICINE CENTER, PYXIS	PYXIS TOWER (MEDS)	EQ43		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MEDICINE CENTER, PYXIS	PYXIS RETURN BIN	EQ44		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
MEDICINE CENTER, PYXIS	PYXIS 2-DRAWER MAN ON CART (CT)	EQ45		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
CART, MISCELLANEOUS	MOBILE COMPUTER CART	EQ46		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
SCALES, CLINICAL EXAM	SCALE	EQ47		x	x	x				
SCALES	INFANT SCALE	EQ48		x	x	x				
PATIENT SERVICE SYSTEMS, PATIENT LIFT, PORTABLE	PORTABLE PATIENT OF SIZE LIFT	EQ49		x	x	x				
SHELVING/STORAGE EQUIPMENT, POINT OF USE BINS	STORAGE BINS	EQ50		x	x	x			x	CONTRACTOR TO INSTALL IN-WALL BLOCKING PER VENDOR DRAWINGS; BINS INSTALLED BY OWNERS VENDOR
SHELVING/STORAGE EQUIPMENT, POINT OF USE MED GAS	MED GAS CYLINDER RACK	EQ51		x	x	x				
SAFES	RECORD SAFE	EQ52		x	x	x			x	GC TO ANCHOR TO FLOOR WHERE INDICATED BY FACILITY
SHELVING/STORAGE EQUIPMENT, WIRE	WIRE SHELVING WITH CASTORS	EQ53		x	x	x				
CART, MISCELLANEOUS	GYN CART	EQ54		x	x	x				
CART, E.N.T	ENT CART	EQ55		x	x	x				
CART, MISCELLANEOUS	ORTHO CART	EQ56		x	x	x				
CART, MISCELLANEOUS	IV CART	EQ57		x	x	x				
CART, MISCELLANEOUS	SUTURE CART	EQ58		x	x	x				
CART, MISCELLANEOUS	HYPOTHERMIA CART	EQ59		x	x	x				
CART, CRASH	CRASH CART	EQ60		x	x	x				
CART, MISCELLANEOUS	BROSELOW CART	EQ61		x	x	x				
DATA/NETWORK EQUIPMENT, PC COMPUTER	MINI HARMONY 21	EQ62		x	x	x				
HAPMERS, LINEN	LINEN HAMPER	EQ63		x	x	x				
SUPPLY ITEM, SHARPS CONTAINER	SHARPS CONTAINER	EQ64	x					x	x	GC TO ANCHOR TO MOUNT WHERE DIRECTED BY FACILITY; COORDINATE WITH OTHER WALL-HUNG ITEMS
SUPPLY ITEM, GLOVE DISPENSER	GLOVE BOX	EQ65	x					x	x	GC TO ANCHOR TO MOUNT WHERE DIRECTED BY FACILITY; COORDINATE WITH OTHER WALL-HUNG ITEMS
MONITORING EQUIPMENT, VITAL SIGNS MONITORS	CARDIAC MONITOR	EQ66		x	x	x			x	CONTRACTOR TO INSTALL IN-WALL BLOCKING AND, IF PROVIDED, MONITOR RAIL, TECHNOLOGY INSTALLED BY OWNER'S VENDOR
COMMUNICATIONS EQUIP/SYSTEMS, TELEPHONE	TELEPHONE (TRANSFER, BLUE)	EQ67		x	x	x				
LOCKERS	6-TIER METAL LOCKERS	EQ68					x	x	x	REFER TO SPECIFICATIONS
COMMUNICATIONS EQUIP/SYSTEMS, NURSE CALL	NURSE CALL MASTER CONSOLE	EQ69		x	x	x				
COMMUNICATIONS EQUIP/SYSTEMS, INTERCOM	BEHAVIOR EXAM 2-WAY INTERCOM SYSTEM	EQ70					x	x	x	REFER TO TELECOM DRAWINGS FOR SPECIFICATIONS
FURNISHINGS, DESIGN, BULLETIN BOARDS/TACK BOARDS/CHALKBOARDS/MARKER BOARDS	MARKER BOARD (CLARIDGE, 24" x 30")	EQ71					x	x	x	REFER TO INTERIOR FINISH DRAWINGS FOR SPECIFICATIONS
CART, LINEN	LINEN CART	EQ72		x	x	x				EQUIPMENT INSTALLED BY OWNER'S VENDOR
DATA/NETWORK EQUIPMENT	REMOTE RELEASE CONSOLE	EQ73					x	x	x	REFER TO DOOR HARDWARE SPECIFICATIONS AND WIRING DIAGRAMS
LAB ANALYZER/INSTRUMENTATION	MOBILE C-ARM	EQ74		x	x	x				
LAB ANALYZER/INSTRUMENTATION	STAINER SLIDE	EQ75		x	x	x				
SHELVING/STORAGE EQUIPMENT	MOP SHELF	EQ76					x	x	x	REFER TO SPECIFICATIONS
CART MISCELLANEOUS	UTILITY CART	EQ77		x	x	x				
	FUTURE VENDING	EQ78		x	x	x				
DATA/NETWORK EQUIPMENT	WORKSTATION ON WHEELS	EQ79		x	x	x				
MEDICINE CENTER, PYXIS	CII SAFE (DOUBLE)	EQ80		x	x	x				
	SECURITY CONSOLE	EQ81					x	x	x	REFER TO SPECIFICATIONS
	SECURITY CONSOLE	EQ82					x	x	x	REFER TO SPECIFICATIONS
	JUMPSTART PANEL	EQ83					x	x	x	
	RECESSED ANIT-LIGATURE TV ENCLOSURE	EQ84					x	x	x	

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — WILLIAM E. HEREFORD — REGISTERED ARCHITECT — 12-18-2025

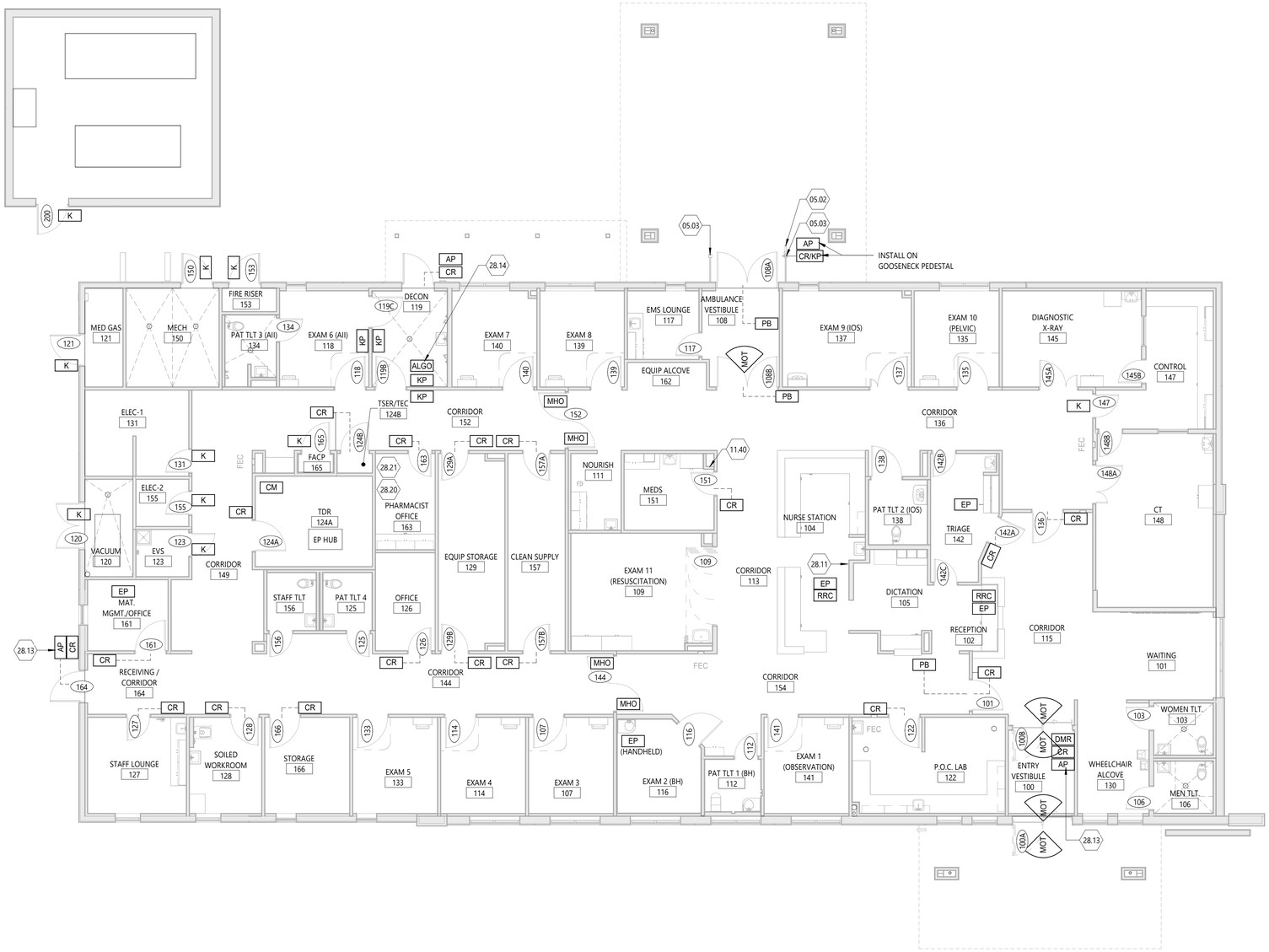
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

TITLE: MEDICAL EQUIPMENT LIST

SHEET: A131

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1 FLOOR PLAN - ACCESS CONTROL
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

ACCESS CONTROL NOTES

1. GC SHALL PROVIDE, COORDINATE AND INSTALL IN-WALL METAL BACKING FASTENED TO COLD-FORMED METAL FRAMING AT ANY WALL PARTITION THAT HAS EQUIPMENT MOUNTED TO IT. REFER TO 10/G002.
2. GC SHALL PROVIDE A FULLY OPERATIONAL ACCESS CONTROL SYSTEM PRIOR TO SUBSTANTIAL COMPLETION AND AS INDICATED ON THE PROJECT DOCUMENTS AND VENDOR DRAWINGS. AT THE PROJECT START THE GC SHALL SCHEDULE A PRE-INSTALLATION MEETING WITH THE ARCHITECT, OWNER AND ALL PARTIES ASSOCIATED WITH THE ACCESS CONTROL SCOPE OF WORK. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION.
3. ALL ACCESS CONTROLLED DOORS SHALL ALLOW FREE EGRESS UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

ACCESS CONTROL LEGEND

AP	AVIGILON SYSTEM WITH REMOTE RELEASE
ALGO	CALL BOX FOR ALGO SYSTEM
CR	CARD READER
CR/KP	CARD READER & KEYPAD COMBO
CM	CONTROL MODULE
DMR	DOOR MONITOR RELAY
EP	DURESS BUTTON - MODEL: E4001 MANUFACTURER: CENTURION (BY: RESPONSE TECHNOLOGIES) SIZE: 3" x 1.6" x 0.72" COLOR: WHITE WITH GREY BUTTON
EP HUB	CONNECT TO EP IN BUILDING MODEL: ELITE MANUFACTURER: CENTURION (BY: RESPONSE TECHNOLOGIES) WIRELESS SYSTEM IN EP HUB
K	KEYED OPENING REF. DOOR HARDWARE
MHO	MAGNETIC HOLD OPENS
MOT	MOTION SENSOR
PB	PUSH BUTTON ACTUATOR
RRC	PC WITH INTERCOM, DOOR RELEASE SOFTWARE FOR AVIGILON H4 (REMOTE RELEASE CONSOLE)
KP	KEYPAD

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

05.02	36" HIGH GOOSE NECK PEDESTAL FOR ACCESS CONTROL
05.03	PROVIDE GUIDE RAIL FOR AUTOMATIC DOORS
11.40	PROVIDE 2" EMPTY CONDUIT FOR REMOTE RELEASE CABLING
28.11	REMOTE LOCK DOWN BUTTON INSTALLED AT NURSE STATION TO STOP POWER TO DOORS 100B; PROVIDE COVER OVER BUTTON AND SIGNAGE TO INDICATE USE; REF VENDOR DRAWINGS INCLUDED IN DOOR HARDWARE SPECIFICATION
28.13	PROVIDE AVIGILON H4 VIDEO INTERCOM; REF. TELECOM
28.14	PROVIDE ALGO BOX DEVICE; REF. TELECOM
28.20	PROVIDE INTRUSION ALARM SYSTEM EQUAL TO DMP 1100 SERIES WIRELESS TRANSMITTER SYSTEM; DESIGN INTENT: THE INTRUSION SYSTEM WILL PROVIDE COMPLETE COVERAGE OF THE PHARMACY; IF ANY UNAUTHORIZED PERSONNEL ENTERS THIS ROOM, IT WILL TRIGGER ONE OF THE FIVE SENSORS; IT WILL THEN DIAL OUT TO AN OUTSIDE MONITORING COMPANY THAT WILL LATER NOTIFY THE PROPER HOSPITAL STAFF
28.21	PROVIDE DOOR/WINDOW TRANSMITTER AT DOOR; MODEL E4001; DIMENSIONS: 3.5" X 1.7" X 0.90"; COLOR: WHITE

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

TITLE: FLOOR PLAN - ACCESS CONTROL

SHEET: A140

12/18/2025 4:25:56 PM

12/18/2025 4:26:03 PM
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1 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

2 NURSE STATION RCP
SCALE: 1/4" = 1'-0"

0' 4' 8' 16' 32'

RCP NOTES

1. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES DISCOVERED DURING CONSTRUCTION.
2. THIS SHEET IS FOR LAYOUT ONLY. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR EXACT FIXTURE QUANTITY. ALL SWITCHES, OUTLETS, LIGHTS, DIFFUSERS, ETC MUST BE LOCATED PER ARCHITECTURAL DRAWINGS WHERE APPLICABLE.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF EMERGENCY LIGHTING AND UNDER-CABINET FIXTURES.
4. CENTER CEILING GRIDS IN BOTH DIRECTIONS OF SPACE, UNO CENTER LIGHT FIXTURES, DEVICES, AND SPRINKLER HEADS IN CEILING TILES, UNO.
5. PROVIDE ACCESS PANELS IN GYPSUM CEILINGS WHERE REQUIRED TO ACCESS ABOVE CEILING EQUIPMENT. (SEE SPECS).
6. ALL CEILINGS SHALL BE 9'-0" AFF UNO. ALL BULKHEADS SHALL BE 8'-6" AFF UNO.
7. REFER TO FINISH DRAWINGS FOR CEILING GRID AND PANEL TYPE AND SIZE.
8. ALL PARTITION WALLS SHALL EXTEND TO UNDERSIDE OF DECK ABOVE UNO.
9. GYP BD CEILINGS SHALL BE CONSTRUCTED PER DETAIL 8/A501, OR AT GC OPTION TO USE AN APPROVED EQUAL SYSTEM (FOR EX - USG CROSS-TEE SUSPENSION SYSTEM) ALL FRAMING MEMBERS SHALL BE ADEQUATELY SIZED FOR THE REQUIRED SPAN/SPACING. REFER TO SPECS FOR ADDITIONAL GYP BD INFORMATION. GYP BD = CEILINGS SHALL BE INSTALLED PER ASTM C840.

RCP LEGEND

- 24" X 24" ACOUSTICAL CEILING PANEL & GRID
- GYPSUM BOARD CEILING OR SOFFIT
- EXP — EXPOSED CEILING
- 2' x 4' LED FIXTURE
- 2' x 2' LED FIXTURE
- 1' x 4' LED FIXTURE
- RECESSED CAN DOWNLIGHT
- X'-X" — CEILING ELEVATION A.F.F.
- MECHANICAL SUPPLY DIFFUSER
- MECHANICAL RETURN GRILLE
- MECHANICAL EXHAUST GRILLE
- D — SMOKE DETECTOR
- S — OVERHEAD SPEAKER
- HD — HEAT DETECTOR
- CO — CO DETECTOR
- CEILING ACCESS PANEL
- EXAM LIGHT FIXTURE
- CUBICLE CURTAIN TRACK

KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

05.40	PREMANUFACTURED ALUMINUM LADDER TO ROOF HATCH
07.20	CONTROL JOINTS, TYPICAL
07.21	2" PERIMETER VENT WITH INSECT SCREEN; ALLOW 14 SQ IN OF OPEN AREA PER LINEAR FOOT
08.01	ROOF ACCESS HATCH
08.20	PROVIDE GASKETED ACCESS DOOR IN THIS ROOM; BASIS OF DESIGN = ACUDOR AS-9000
09.50	PROVIDE HOLD-DOWN CLIPS ON CEILING TILES
09.51	CEILING MOUNTED INJECTOR (UNISTRUT FRAMING SUPPORT)
09.55	PAINTED GWB BULKHEAD
09.56	ALIGN FINISH FACE OF BULKHEAD WITH FINISH FACE OF PARTITION
09.66	HATCHED REGION DENOTES HIGHER CEILING AREA
10.53	PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO #543 MEDIUM BRONZE
27.02	TWO-WAY INTERCOM TIED BACK TO NURSE STATION; REF VENDOR DRAWINGS
28.12	DEDICATED CEILING SPEAKER FOR AUDIBLE DOOR CHIME; REF TELECOM

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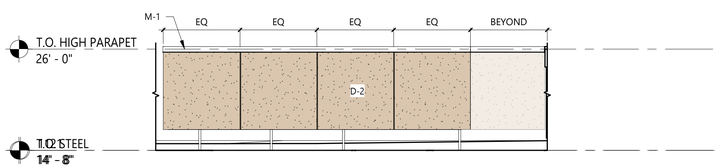
STATE OF FLORIDA — LICENSED TO PRACTICE — REGISTERED ARCHITECT — 12-18-2025

William E. Hereford, III
AR # 96247

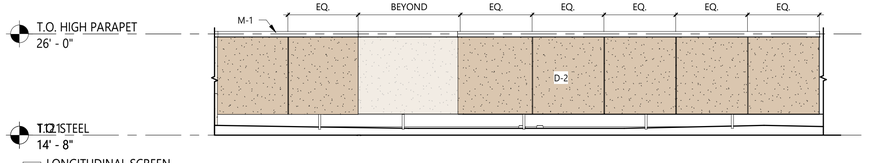
DATES OF ISSUANCE: 12/18/2025

TITLE: REFLECTED CEILING PLAN

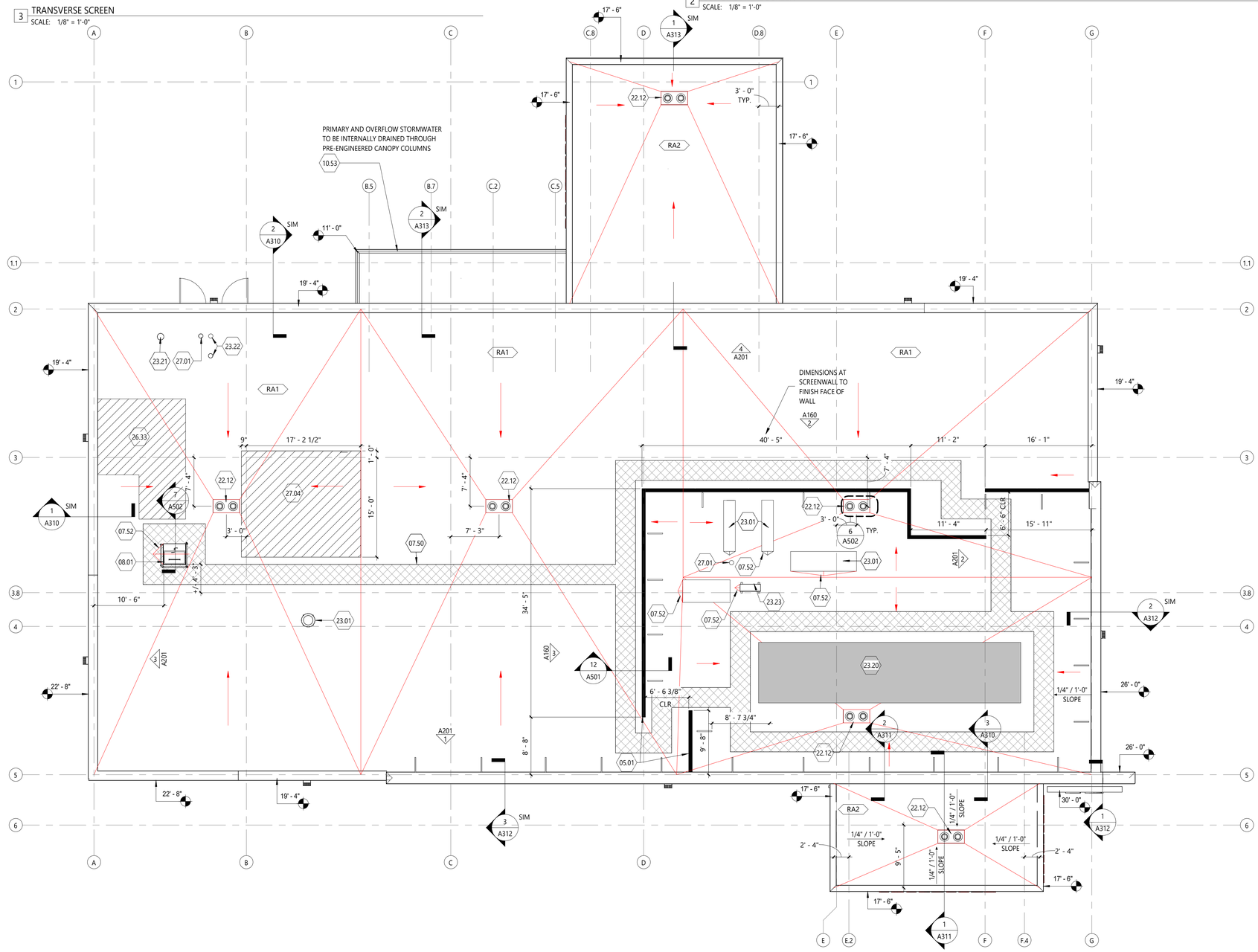
SHEET: A150



3 TRANSVERSE SCREEN
SCALE: 1/8" = 1'-0"



2 LONGITUDINAL SCREEN
SCALE: 1/8" = 1'-0"

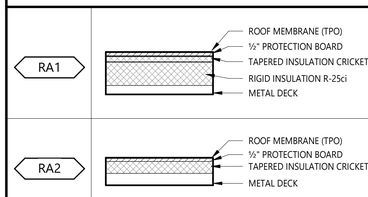


1 ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN NOTES

1. REFERENCE SHEET A502 FOR TYPICAL ROOF DETAILS.
2. VERIFY ALL MECHANICAL ROOF PENETRATION OPENING LOCATIONS AND SIZES WITH MEP SHEETS AND EQUIPMENT CUT SHEETS.
3. MIN. ROOF SLOPE SHALL BE 1/4" PER FOOT. MIN. CRICKET SLOPE SHALL BE 1/2" PER FOOT.
4. PROVIDE CRICKETS WHERE REQUIRED FOR PROPER DRAINAGE. ENSURE ROOF DRAINS ARE LOCATED AT "LOW POINTS" TO AVOID PUDDLING.

ROOF LEGEND



KEYNOTE SCHEDULE

DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.

05.01	SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
07.50	ROOF WALKWAY PAD 3'-0" WIDE, TYP
07.52	ROOF CRICKET; 1/2"/12" SLOPE TO DRAIN
08.01	ROOF ACCESS HATCH
10.53	PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO #543 MEDIUM BRONZE
22.12	ROOF DRAIN WITH OVERFLOW DRAIN; REF PLUMBING
23.01	APPROX. LOCATION OF EXHAUST FAN; REF MECHANICAL
23.20	ROOF TOP UNIT WITH CURB; PROVIDE ROOF CRICKETS FOR PROPER DRAINAGE; REF MECHANICAL
23.21	APPROX LOCATION OF BOILER EXHAUST FLUE; REF MECHANICAL
23.22	APPROX LOCATION OF WATER HEATER EXHAUST FLUE; REF MECHANICAL
23.23	SPLIT SYSTEM CONDENSING UNIT; REF MECHANICAL
26.33	APPROXIMATE LOCATION OF ELECTRICAL ROOMS 131 & 155 DENOTED BY DIAGONAL HATCH. NO ROOF PENETRATIONS ABOVE THIS ROOM
27.01	APPROX LOCATION OF EMS RADIO ROOF PENETRATION; REF VENDOR
27.04	APPROX LOCATION OF TDR 124A AND TSER/TEC 124B BELOW; ROOF PENETRATIONS ARE PROHIBITED ABOVE THIS ROOM

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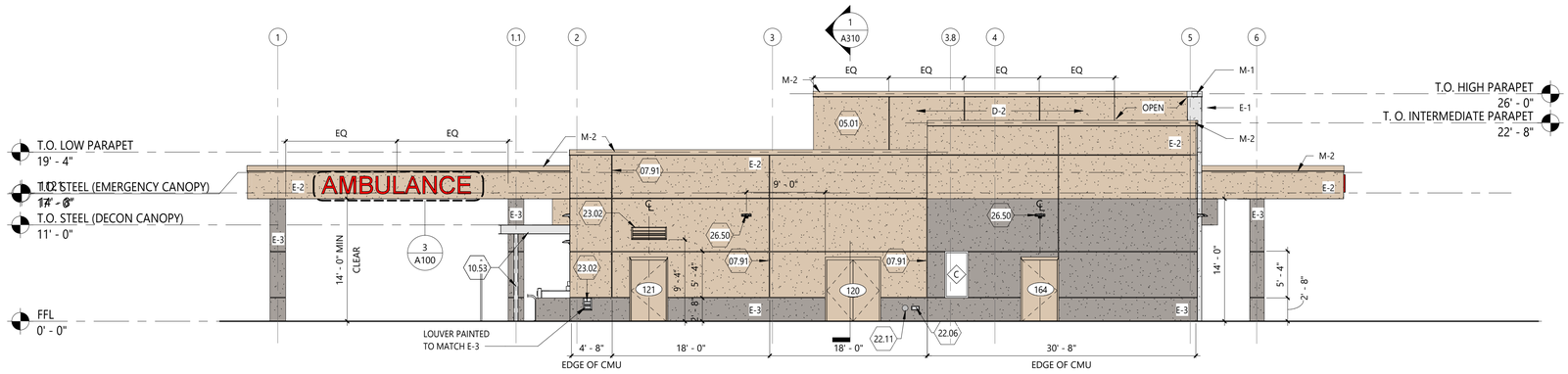
DATES OF ISSUANCE
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TITLE
ROOF PLAN

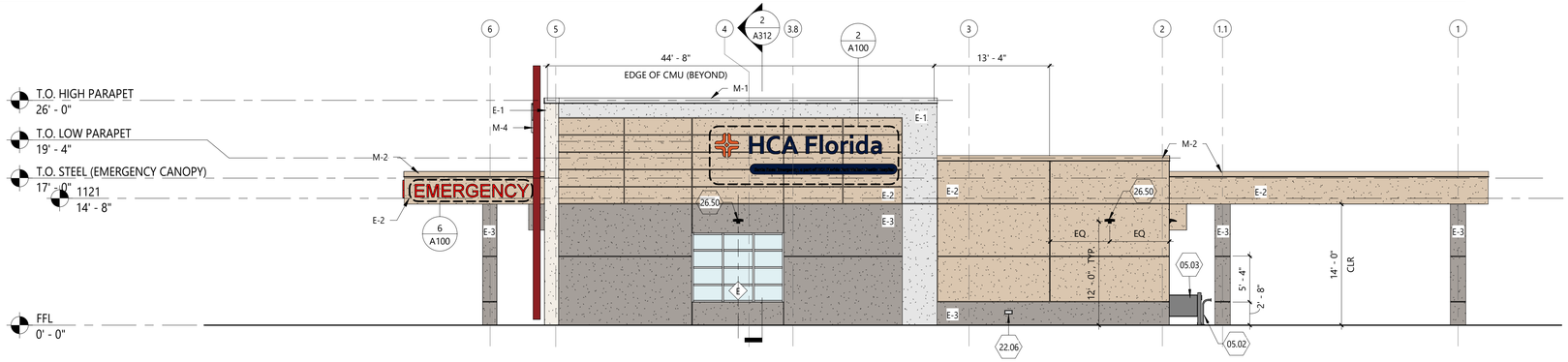
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A160

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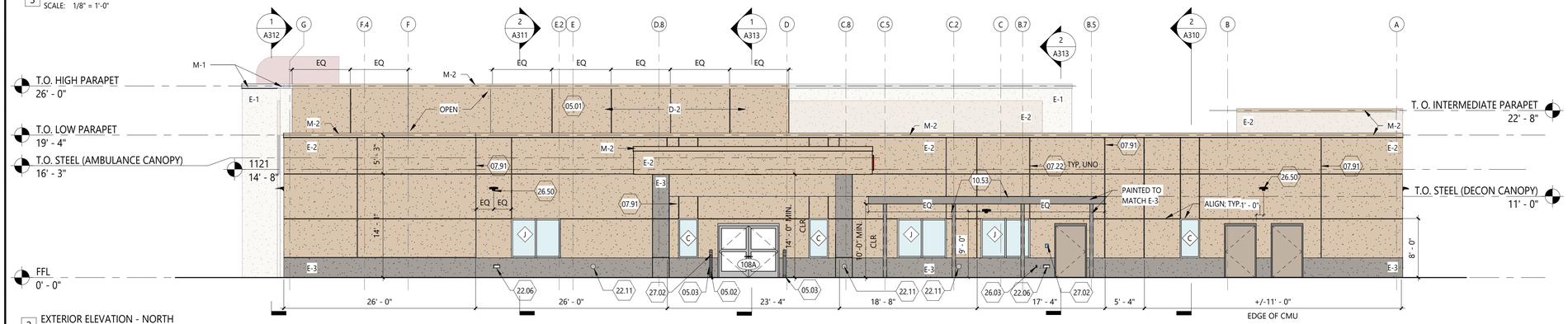
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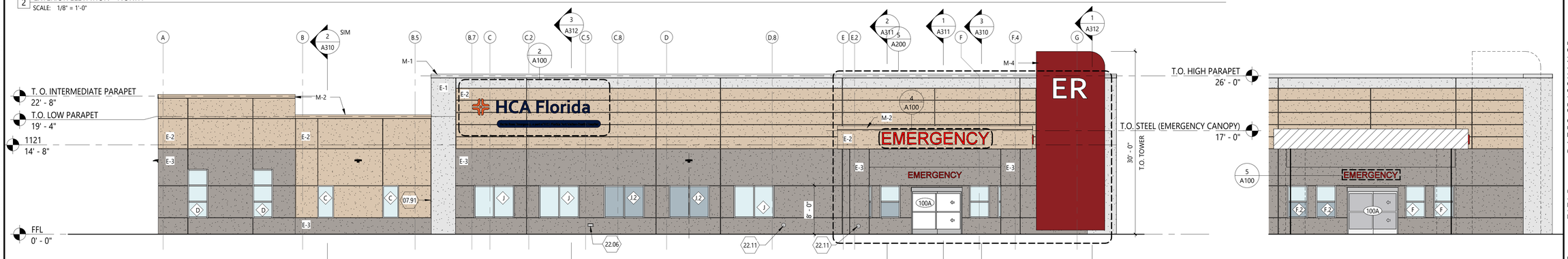
4 EXTERIOR ELEVATION - WEST
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST
SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



1 EXTERIOR ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"

5 EXTERIOR ELEVATION - SOUTH (NO CANOPY OR TOWER)
SCALE: 1/8" = 1'-0"

ELEVATION LEGEND

PATTERN & MARKER	PRODUCT	COLOR / FINISH
E-1	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH MUNSELL N9
E-2	EIFS OVER CMU OR METAL STUDS	SANBLAST FINISH COLOR TO MATCH MUNSELL 10YR 8/2
E-3	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH MUNSELL 10YR 6.5/0.5
M-2	PREFINISHED METAL COPING	KYNAR 500 - COLOR TO MATCH MUNSELL 10YR 8/2
M-1	PREFINISHED METAL COPING	KYNAR 500 - COLOR TO MATCH MUNSELL N9
D-2	DIRECT-APPLIED EXTERIOR FINISH SYSTEM (DEFS) OVER EXTERIOR SHEATHING	SANBLAST FINISH COLOR TO MATCH MUNSELL 10YR 8/2
M-4	METAL PANEL & PANAFLEX OVER METAL STUDS	KYNAR 500 - COLOR TO MATCH CRIMSON RED - 3M 3630-2127 (COMPARABLE TO MUNSELL 7.5R 3/10)
#	ALUMINUM WINDOW FRAMES	CLEAR ANODIZED
#	GLAZING CLEAR / SPANDREL	GUARDIAN SUNGUARD SNX 51/23 SPANDREL = GRAY FRIT
###	EXTERIOR HM DOORS, FRAMES AND LOUVERS	ALL COMPONENTS U.N.O. COLOR TO MATCH MUNSELL 10YR 8/2

* REFER TO SPECS FOR MANUFACTURERS

KEYNOTE SCHEDULE

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05.01 SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
05.02 36" HIGH GOOSE NECK PEDESTAL FOR ACCESS CONTROL
05.03 PROVIDE GUIDE RAIL FOR AUTOMATIC DOORS
07.22 1" EIFS V-GROOVE REVEAL
07.91 CONTROL JOINT; REF STRUCTURAL AND EIFS MANUFACTURER DETAILS
10.53 PRE-ENGINEERED CANOPY; BASIS OF DESIGN: MAPES CANOPY. FINISH TO #543 MEDIUM BRONZE
22.06 APPROX LOCATION OF WALL HYDRANT; SEAL PIPE TO AMB; SEAL HYDRANT TO VENEER; REF PLUMBING
22.11 APPROX LOCATION OF DOWNSPOUT NOZZLE FOR OVERFLOW ROOF DRAIN; INSTALL 18" ABOVE FINISH GRADE; SPILL TO SPLASH BLOCK; REF PLUMBING
23.02 LOUVER; REF MECHANICAL & NOA FOR ASSEMBLY DETAIL
26.03 APPROX LOCATION OF GROUND FAULT WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF COVER @ 1'-6" AFF; REF ELECTRICAL
26.50 EXTERIOR LIGHT; SEAL BRACKET, ANCHOR, AND FASTENERS TO AMB; SEAL BRACKETS TO CLADDING; REF ELECTRICAL
27.02 TWO-WAY INTERCOM TIED BACK TO NURSE STATION; REF VENDOR DRAWINGS

NOTE: ALL SIGNAGE SHOWN IS FOR REFERENCE ONLY, SHALL BE SEPARATE PERMIT.

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STATE OF FLORIDA · WILLIAM E. HEREFORD III · REGISTERED ARCHITECT · 12-18-2025

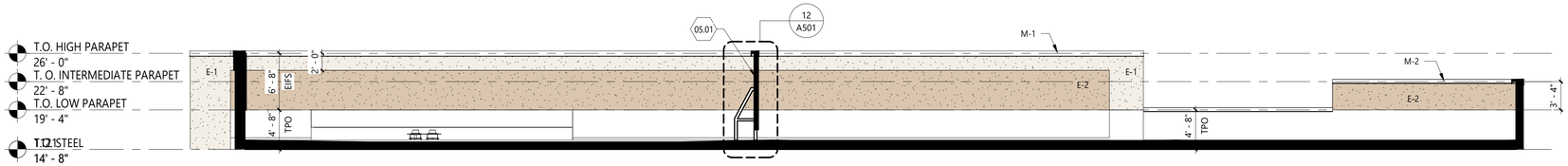
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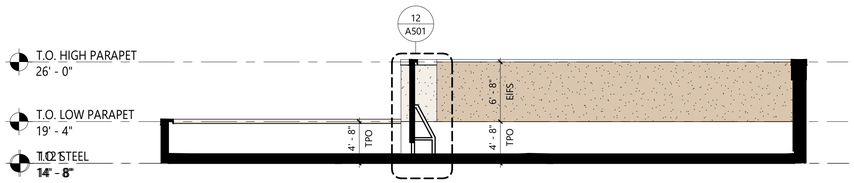
TITLE: EXTERIOR ELEVATIONS

SHEET: A200

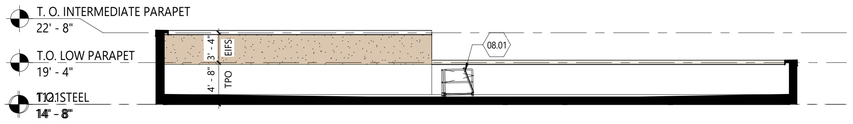
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1 PARAPET ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



2 PARAPET ELEVATION - EAST
SCALE: 1/8" = 1'-0"



3 PARAPET ELEVATION - WEST
SCALE: 1/8" = 1'-0"



4 PARAPET ELEVATION - NORTH
SCALE: 1/8" = 1'-0"

ELEVATION LEGEND

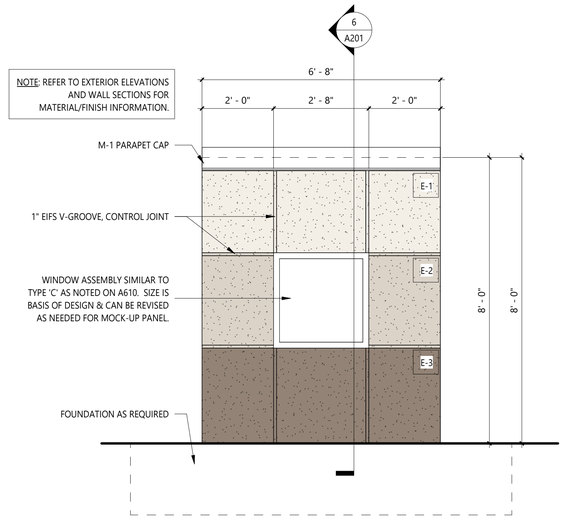
PATTERN & MARKER	PRODUCT	COLOR / FINISH
E-1	EIFS OVER CMU	SANDBLAST FINISH COLOR TO MATCH MUNSELL N9
E-2	EIFS OVER CMU OR METAL STUDS	SANBLAST FINISH COLOR TO MATCH MUNSELL 10YR 8/2
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#	ALUMINUM WINDOW FRAMES	CLEAR ANODIZED
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* REFER TO SPECS FOR MANUFACTURERS

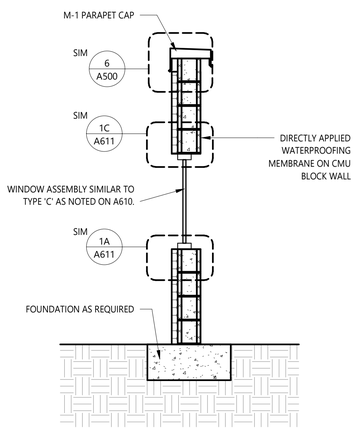
KEYNOTE SCHEDULE

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05.01 SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
08.01 ROOF ACCESS HATCH



5 MOCK-UP PANEL ELEVATION
SCALE: 1/2" = 1'-0"



6 WALL SECTION - MOCK-UP PANEL
SCALE: 1/2" = 1'-0"

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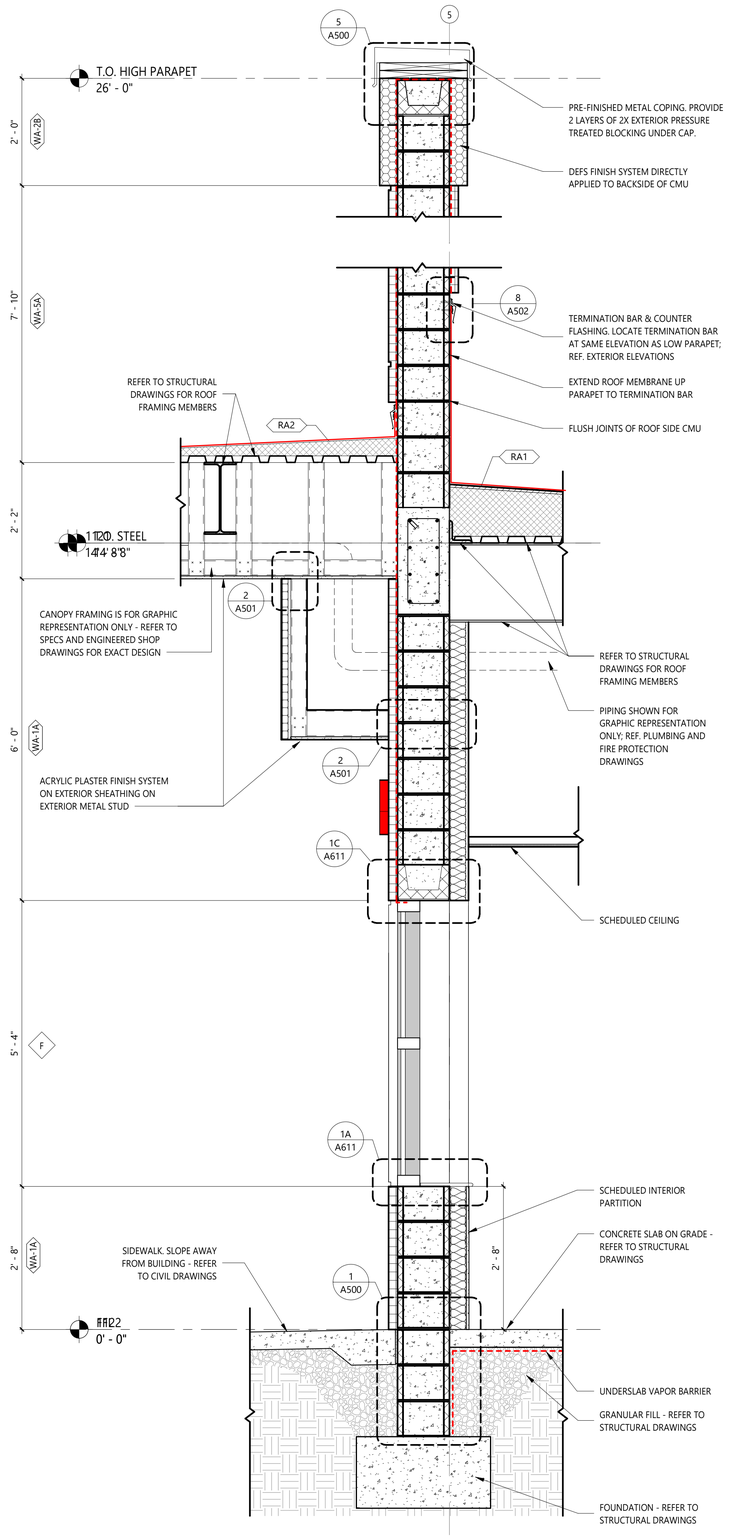
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TITLE: EXTERIOR ELEVATIONS & MOCK-UP PANEL

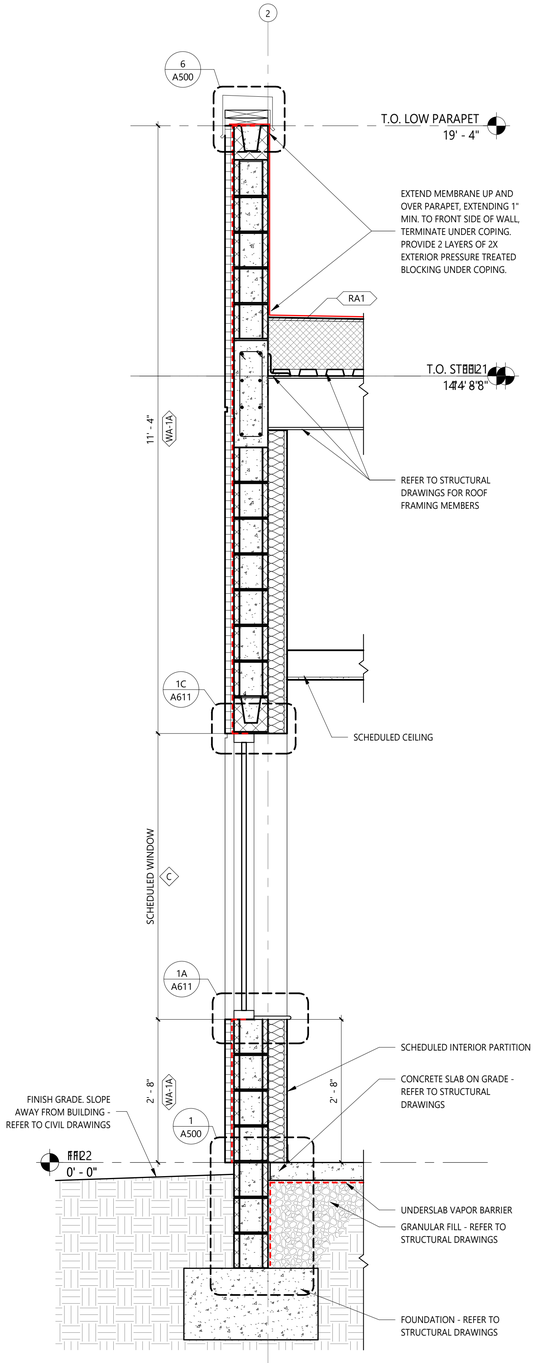
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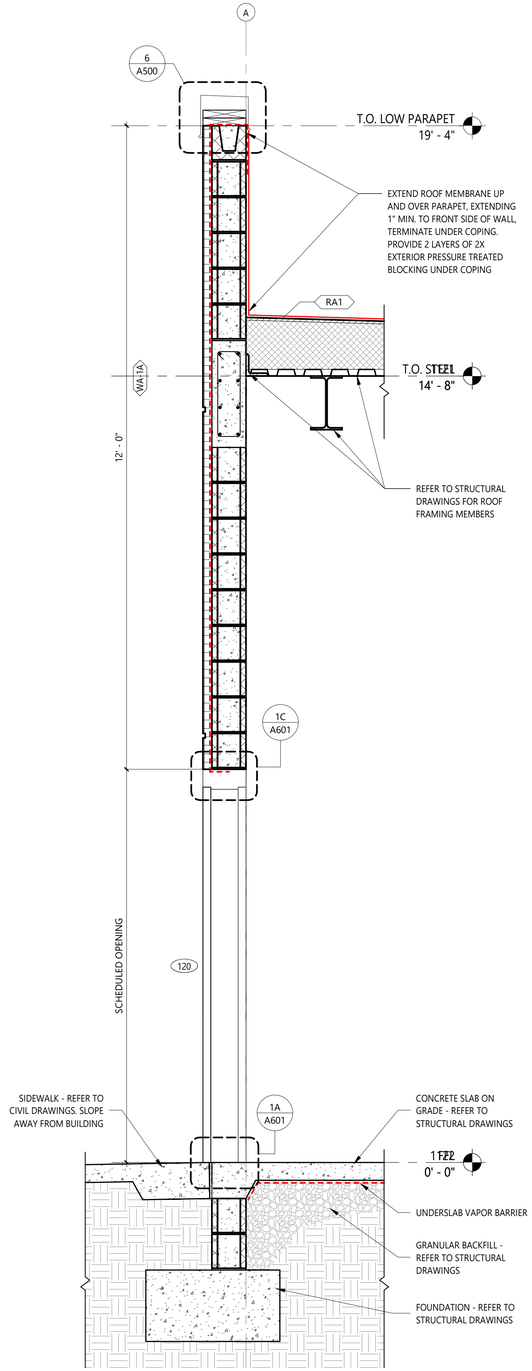
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3 WALL SECTION - EMERGENCY WINDOWS
SCALE: 3/4" = 1'-0"



2 WALL SECTION - WINDOW - TYP.
SCALE: 3/4" = 1'-0"



1 WALL SECTION
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REFER TO CODE DATA FOR BUILDING ENVELOPE REQUIREMENTS & EXTERIOR ELEVATIONS FOR FINISH MATERIALS & FINISH COLORS. SEE DETAILS FOR LOCATION OF IMPACT RESISTANT EIFS.

WA-1	EIFS THICKNESS A = R-5.7ci B = R-5.7ci + 2"	EIFS CONT INSULATION (R-5.7ci MIN) AIR & MOISTURE BARRIER CMU (SEE PLAN FOR CMU THICKNESS)
WA-2	EIFS THICKNESS A = R-5.7ci B = R-5.7ci + 2"	EIFS CONT INSULATION (R-5.7ci MIN) AIR & MOISTURE BARRIER CMU (SEE PLAN FOR CMU THICKNESS) AIR & MOISTURE BARRIER CONT INSULATION (R-5.7ci MIN)
WA-3		1" EIFS FINISH SYSTEM CMU (REF STRUCTURAL)

ROOF LEGEND

RA1	ROOF MEMBRANE (TPO) ½" PROTECTION BOARD TAPERED INSULATION CRICKET RIGID INSULATION R-25ci METAL DECK
RA2	ROOF MEMBRANE (TPO) ½" PROTECTION BOARD TAPERED INSULATION CRICKET METAL DECK

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

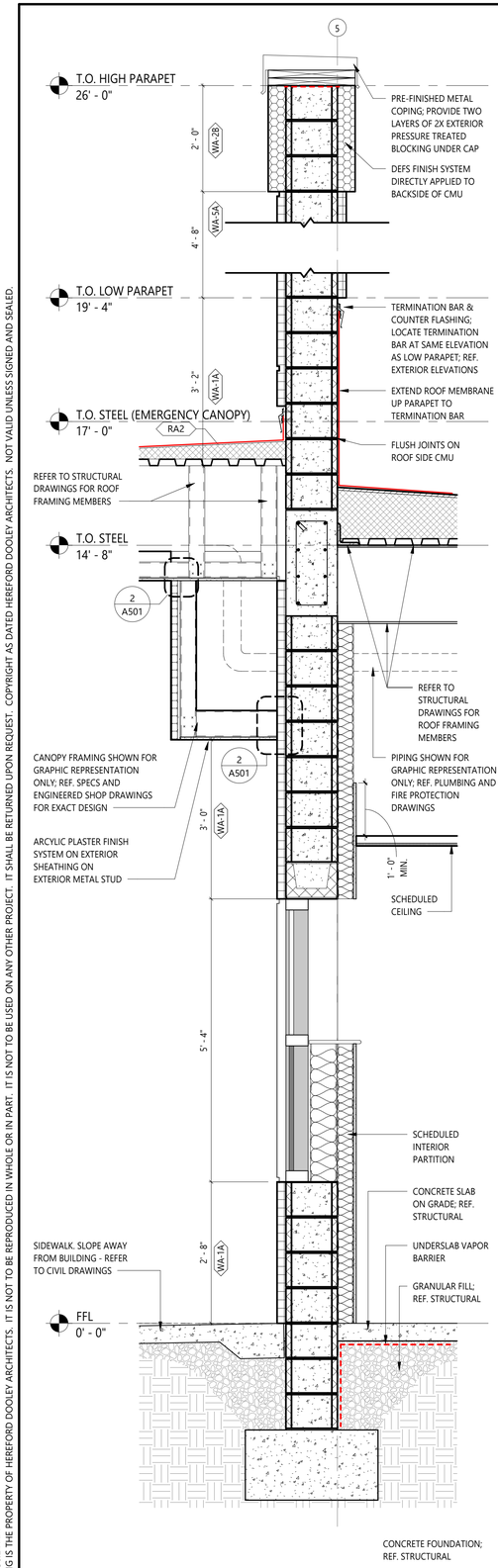
DATES OF ISSUANCE
12/18/2025

TITLE: WALL SECTIONS

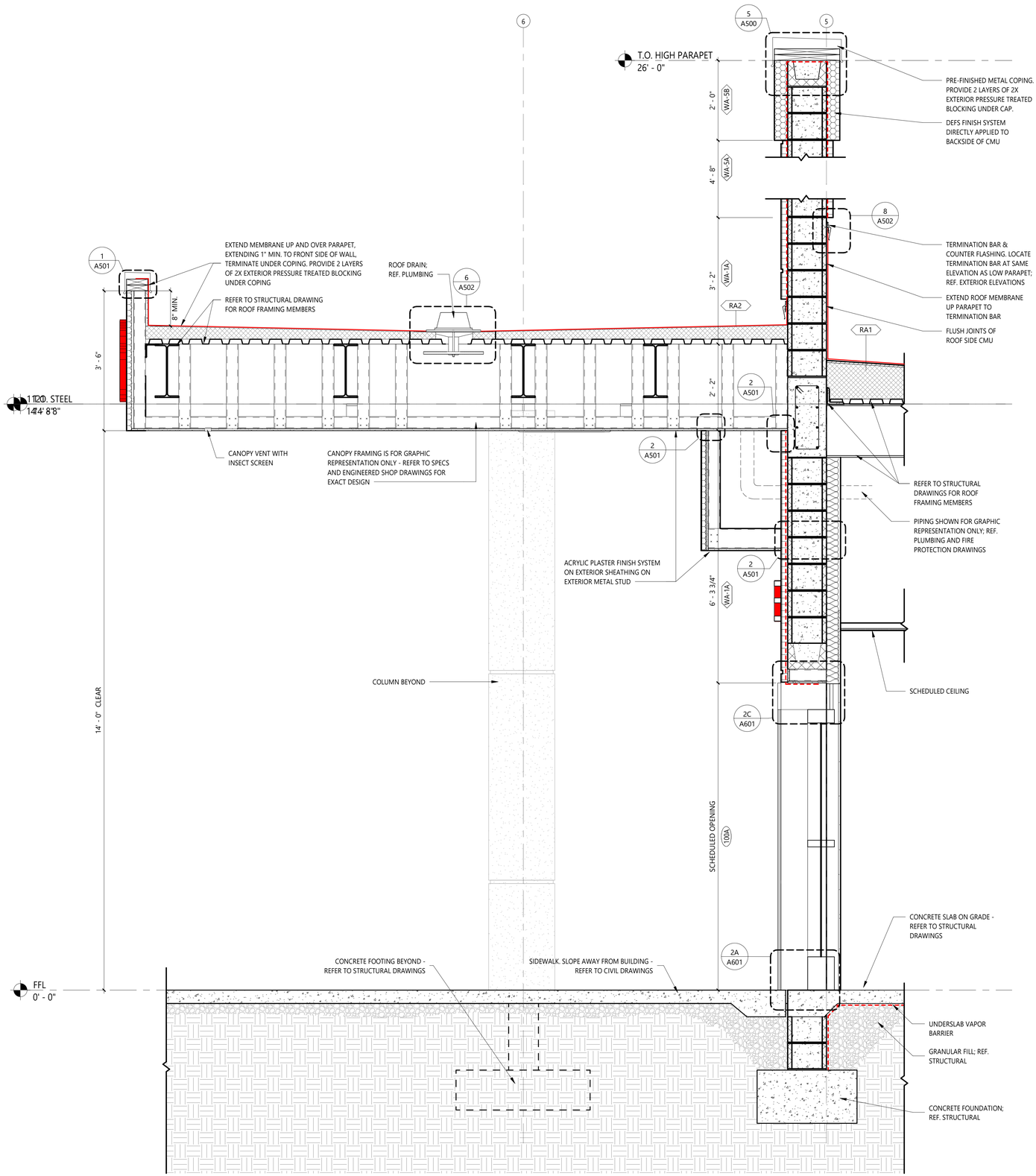
SHEET: A310

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2 WALL SECTION
SCALE: 3/4" = 1'-0"



1 SECTION AT EMERGENCY CANOPY
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REFER TO CODE DATA FOR BUILDING ENVELOPE REQUIREMENTS & EXTERIOR ELEVATIONS FOR FINISH MATERIALS & FINISH COLORS. SEE DETAILS FOR LOCATION OF IMPACT RESISTANT EIFS.

WA-1

EIFS THICKNESS
A = R-5.7ci
B = R-5.7ci + 2"

- EIFS
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-2

EIFS THICKNESS
A = R-5.7ci
B = R-5.7ci + 2"

- EIFS
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)
- AIR & MOISTURE BARRIER
- CONT INSULATION (R-5.7ci MIN)

WA-3

- 1" EIFS FINISH SYSTEM
- CMU (REF STRUCTURAL)

ROOF LEGEND

RA1

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION CRICKET
- RIGID INSULATION R-25ci
- METAL DECK

RA2

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION CRICKET
- METAL DECK

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STATUS: CONSTRUCTION DOCUMENTS



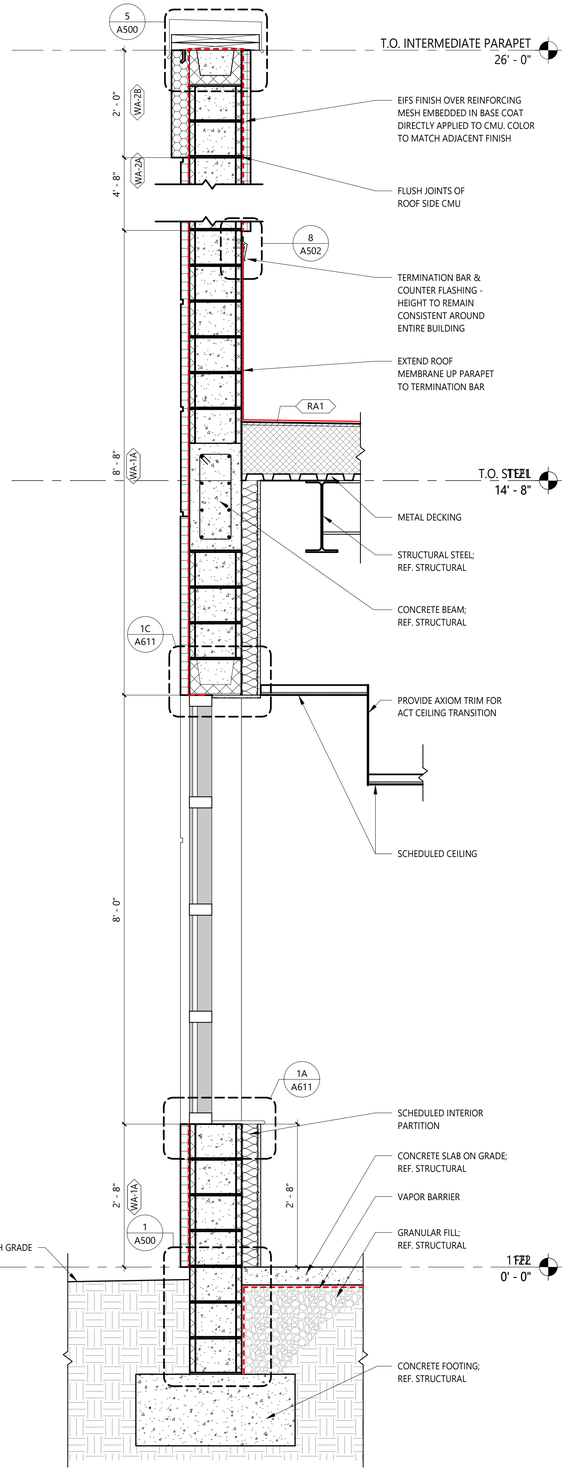
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
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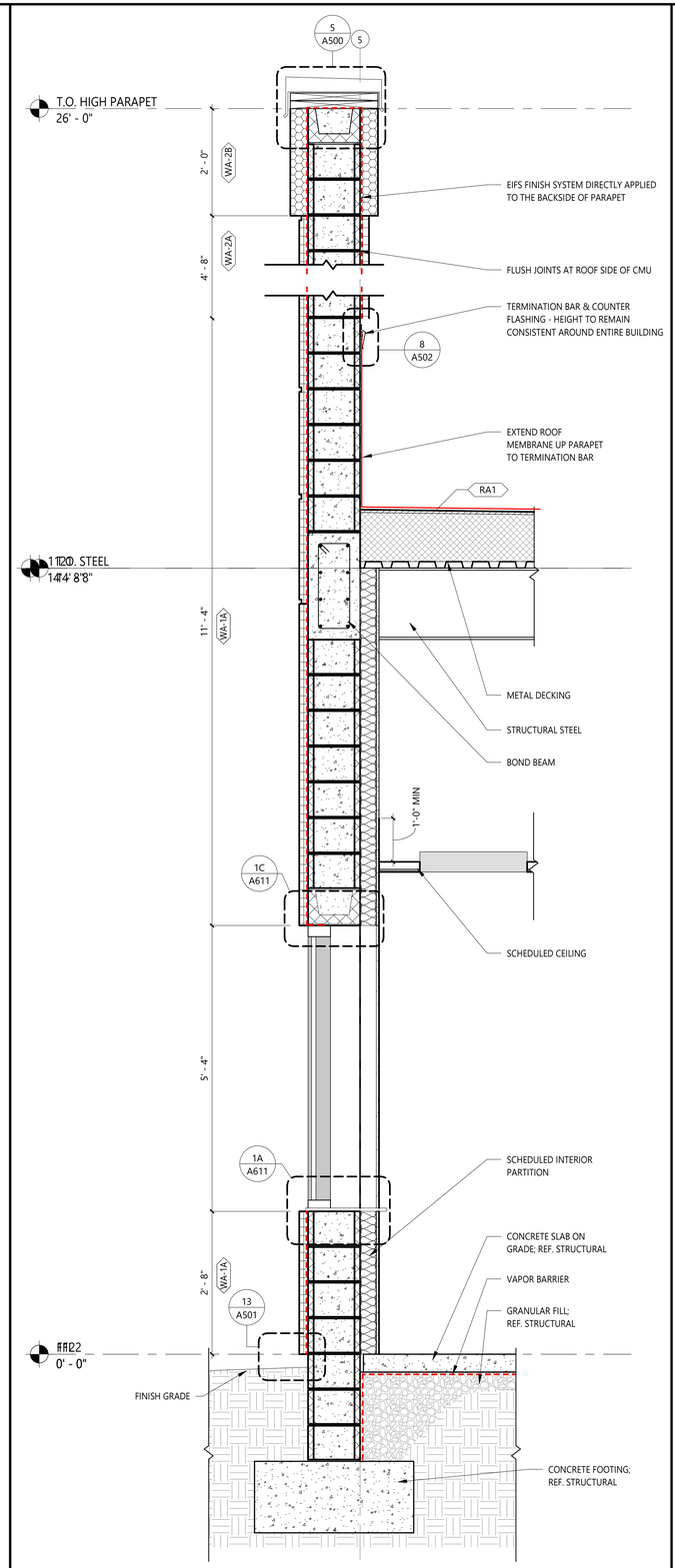
SHEET TITLE: WALL SECTIONS

A311

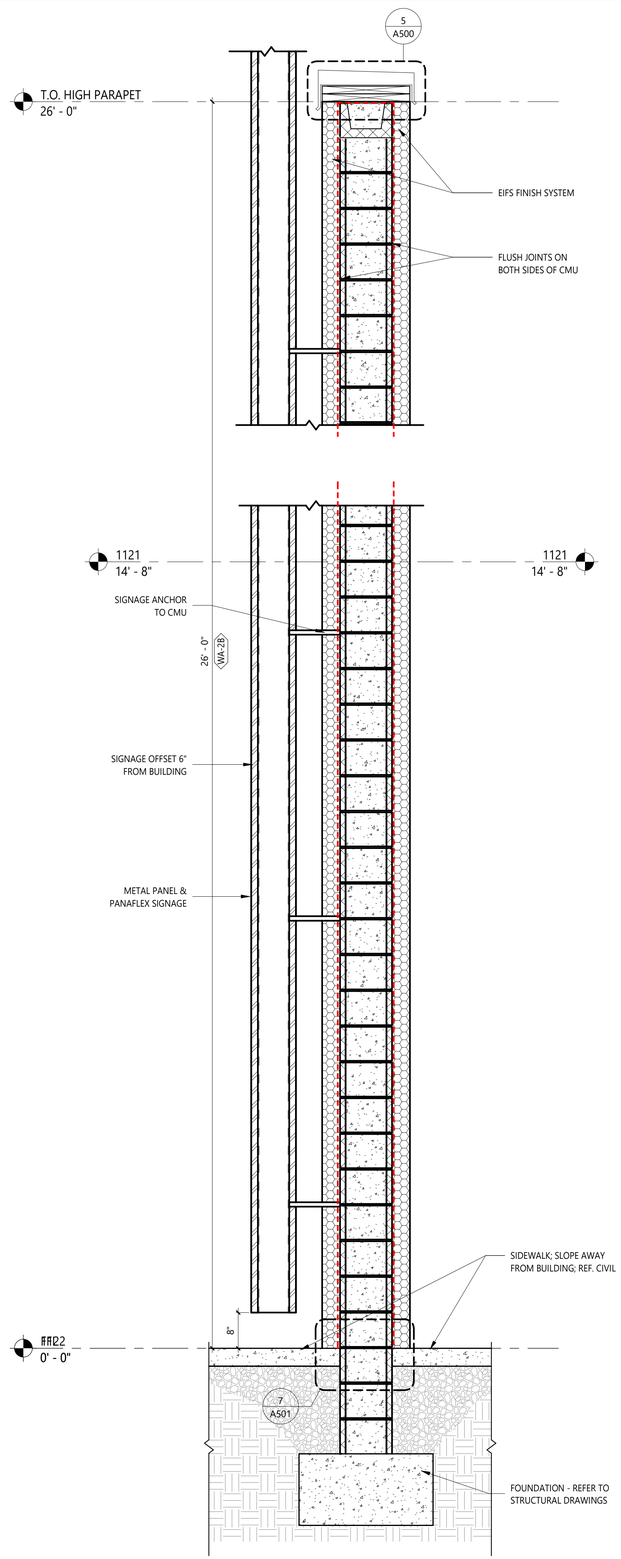
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2 WALL SECTION A
SCALE: 3/4" = 1'-0"



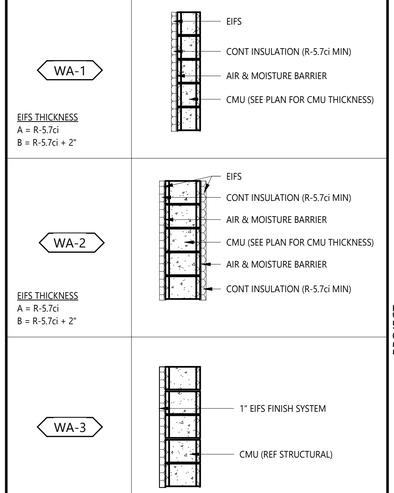
3 WALL SECTION
SCALE: 3/4" = 1'-0"



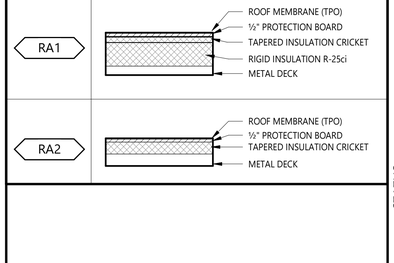
1 WALL SECTION - FIN
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REFER TO CODE DATA FOR BUILDING ENVELOPE REQUIREMENTS & EXTERIOR ELEVATIONS FOR FINISH MATERIALS & FINISH COLORS. SEE DETAILS FOR LOCATION OF IMPACT RESISTANT EIFS.



ROOF LEGEND



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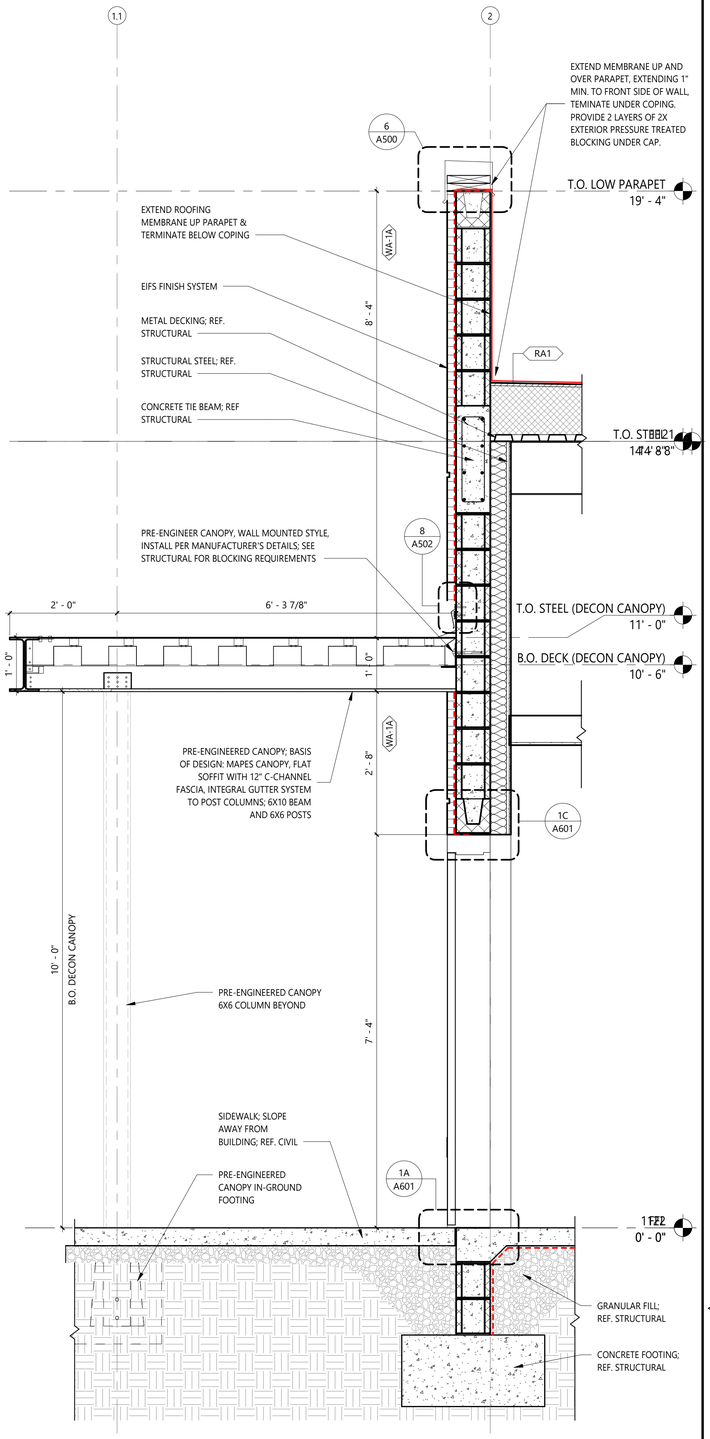
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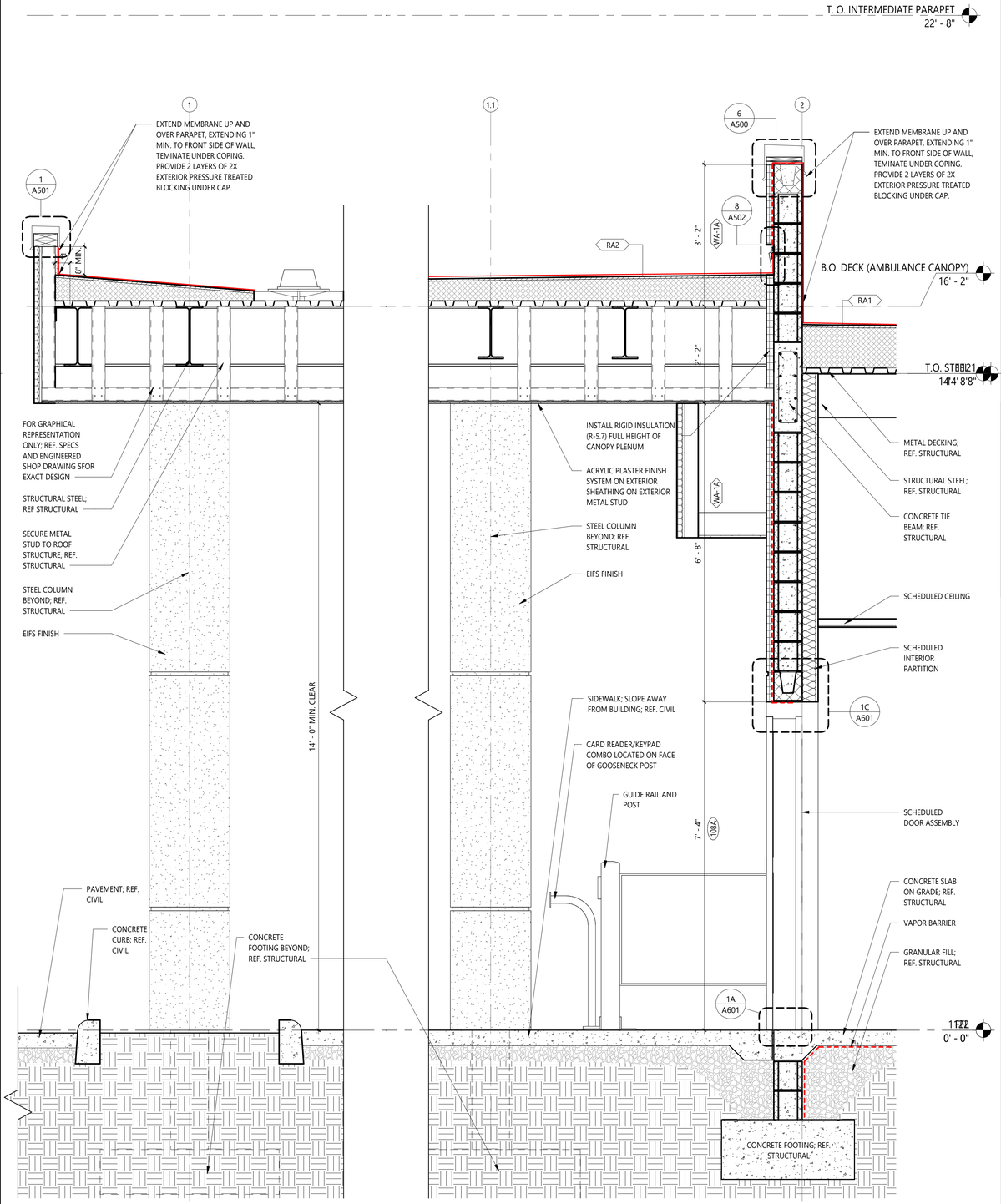
TITLE: WALL SECTIONS

SHEET: A312

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2 SECTION THROUGH DECON CANOPY
SCALE: 3/4" = 1'-0"



1 SECTION THROUGH AMBULANCE CANOPY
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REFER TO CODE DATA FOR BUILDING ENVELOPE REQUIREMENTS & EXTERIOR ELEVATIONS FOR FINISH MATERIALS & FINISH COLORS. SEE DETAILS FOR LOCATION OF IMPACT RESISTANT EIFS.

WA-1

EIFS THICKNESS
A = R-5.7ci
B = R-5.7ci + 2"

- EIFS
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-2

EIFS THICKNESS
A = R-5.7ci
B = R-5.7ci + 2"

- EIFS
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)
- AIR & MOISTURE BARRIER
- CONT INSULATION (R-5.7ci MIN)

WA-3

- 1" EIFS FINISH SYSTEM
- CMU (REF STRUCTURAL)

ROOF LEGEND

RA1

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION CRICKET
- RIGID INSULATION R-25ci
- METAL DECK

RA2

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION CRICKET
- METAL DECK

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STATUS: CONSTRUCTION DOCUMENTS



William E. Hereford, III
AR # 96247

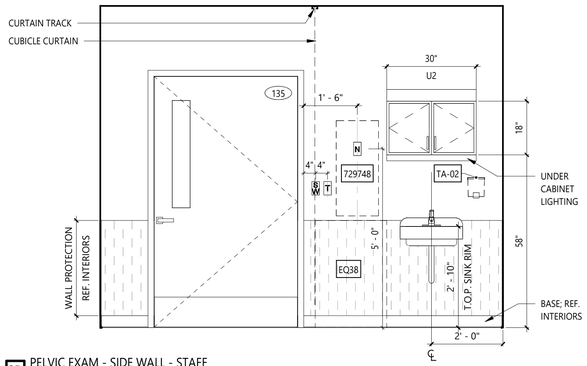
DATES OF ISSUANCE
12/18/2025
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TITLE: WALL SECTIONS

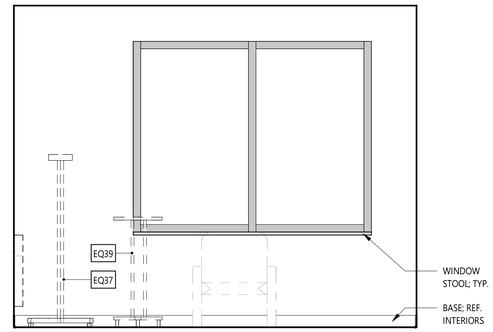
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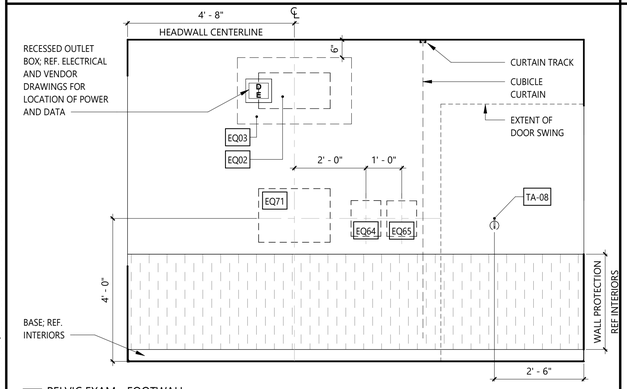
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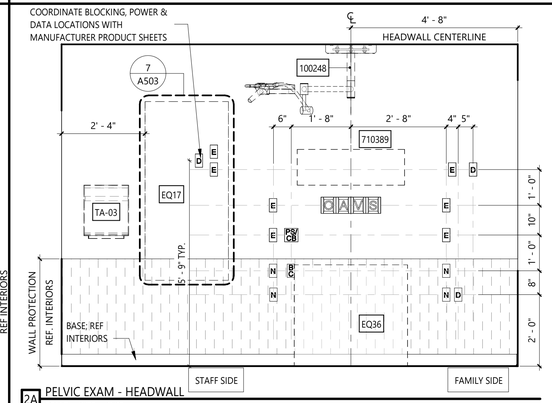
2D PELVIC EXAM - SIDE WALL - STAFF
SCALE: 1/2" = 1'-0"



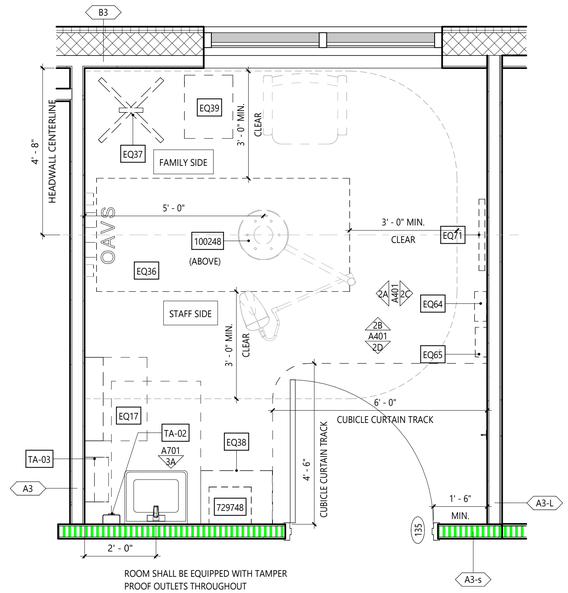
2B PELVIC EXAM - SIDE WALL - FAMILY
SCALE: 1/2" = 1'-0"



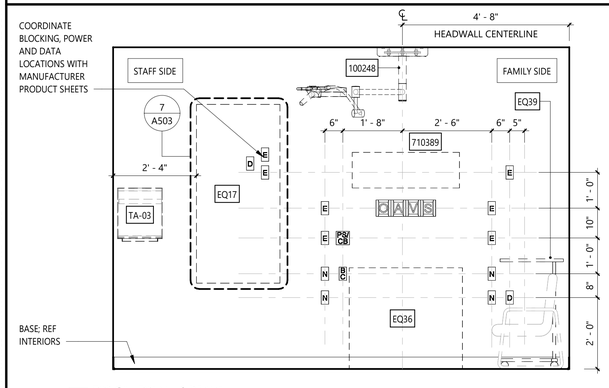
2C PELVIC EXAM - FOOTWALL
SCALE: 1/2" = 1'-0"



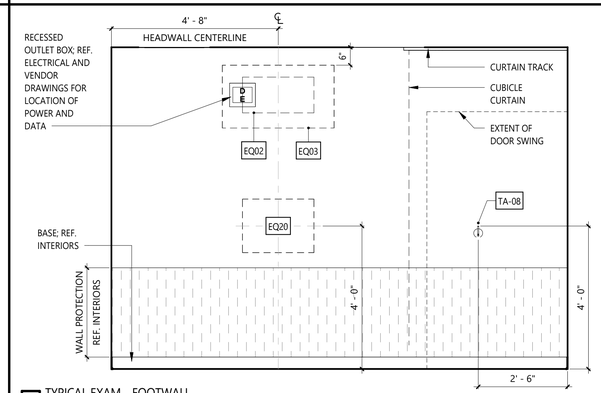
2A PELVIC EXAM - HEADWALL
SCALE: 1/2" = 1'-0"



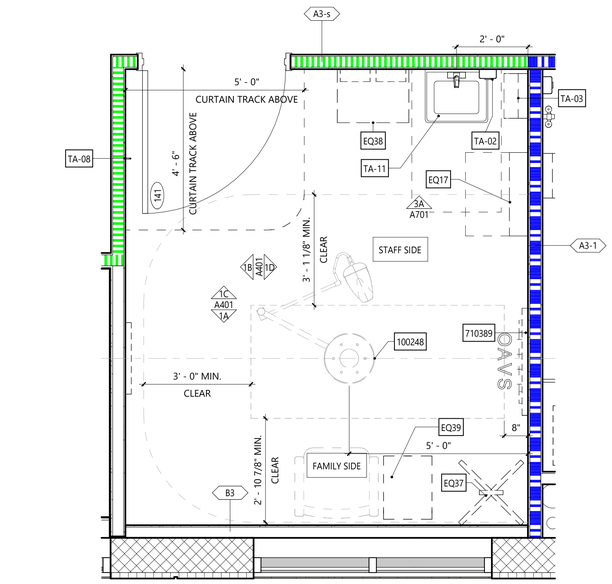
2 PELVIC EXAM - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



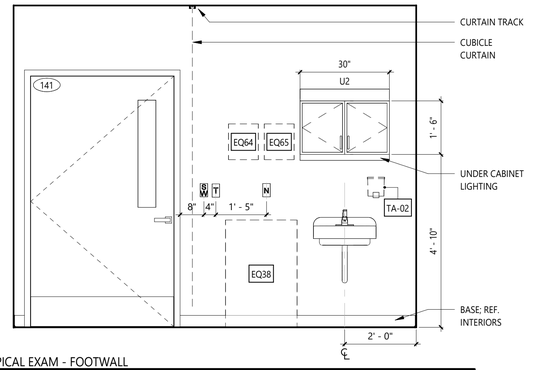
1D TYPICAL EXAM - SIDE WALL
SCALE: 1/2" = 1'-0"



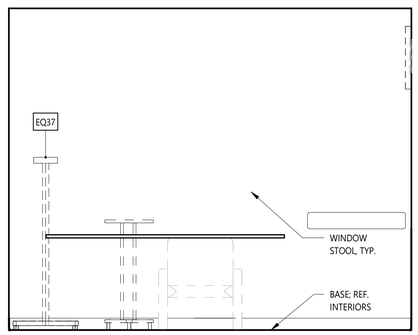
1B TYPICAL EXAM - FOOTWALL
SCALE: 1/2" = 1'-0"



1 TYPICAL EXAM - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1C TYPICAL EXAM - FOOTWALL
SCALE: 1/2" = 1'-0"



1A TYPICAL EXAM - SIDE WALL - FAMILY
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SA/CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PS/CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
CB	BED CONTROL
BC	CODE BLUE
C	CLOCK RESET
SS/S	STAFF STATION
N	NURSE CALL
M	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP

GENERAL NOTES

1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

EQ## EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	NC	NURSE CALL
BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
N	NORMAL POWER	ZV	ZONE VALVE BOX

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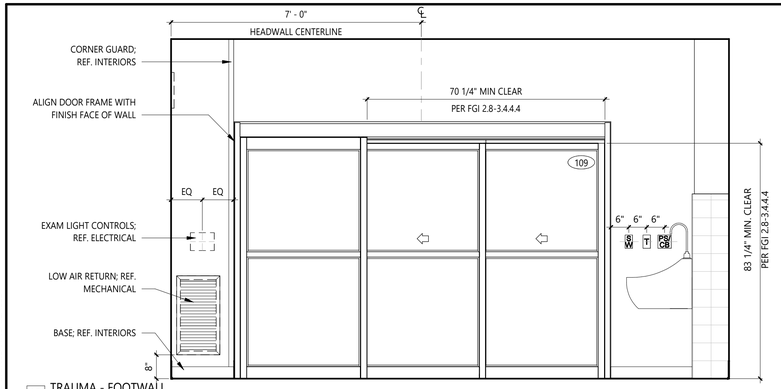
STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT — 12-18-2025

William E. Hereford, III
AR # 96247

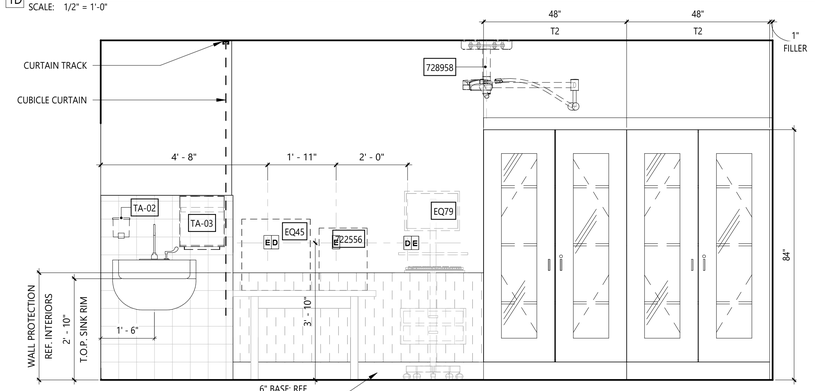
DATES OF ISSUANCE: 12/18/2025 △

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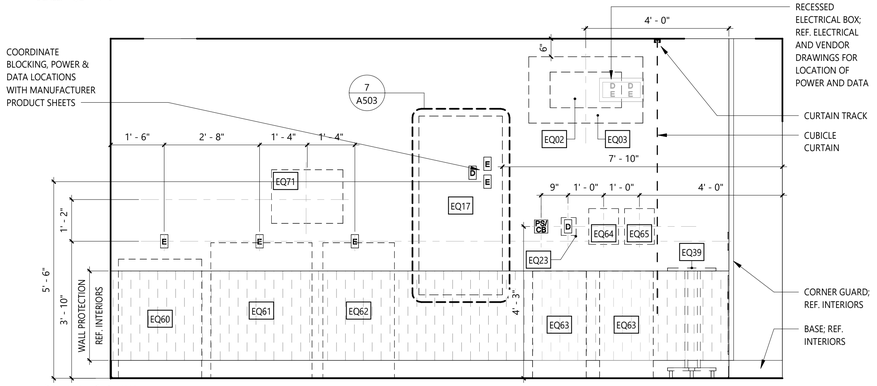
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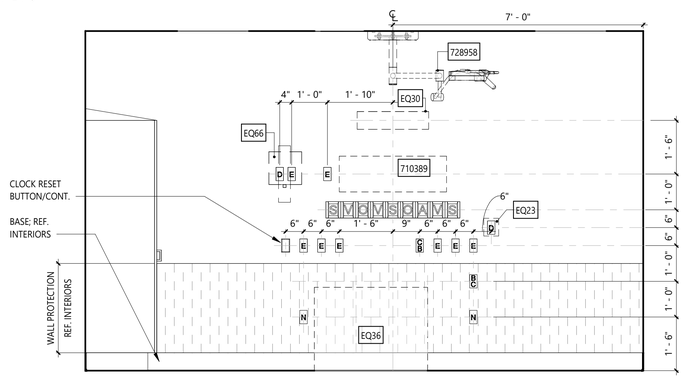
1D TRAUMA - FOOTWALL
SCALE: 1/2" = 1'-0"



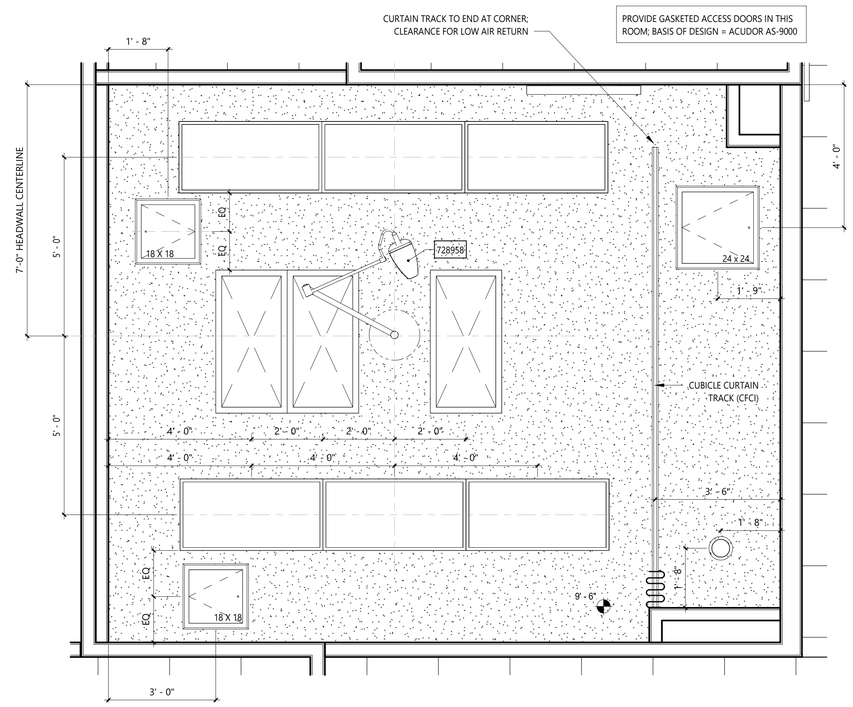
1C TRAUMA - SIDE WALL
SCALE: 1/2" = 1'-0"



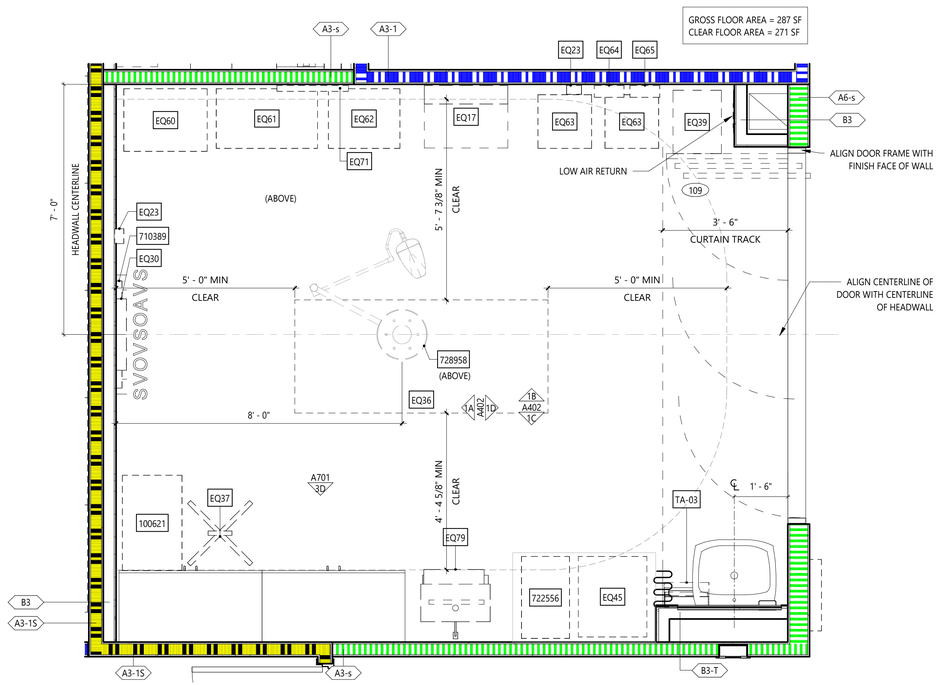
1B TRAUMA - SIDE WALL
SCALE: 1/2" = 1'-0"



1A TRAUMA - HEADWALL
SCALE: 1/2" = 1'-0"



2 EXAM 11 (TRAUMA) - ENLARGED RCP
SCALE: 1/2" = 1'-0"



1 EXAM 11 (RESUSCITATION) - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SA/CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PS/CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SS	STAFF STATION
N	NURSE CALL
M	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP

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######	OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.
EQ##	EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	NC	NURSE CALL
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DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
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STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT — 12-18-2025

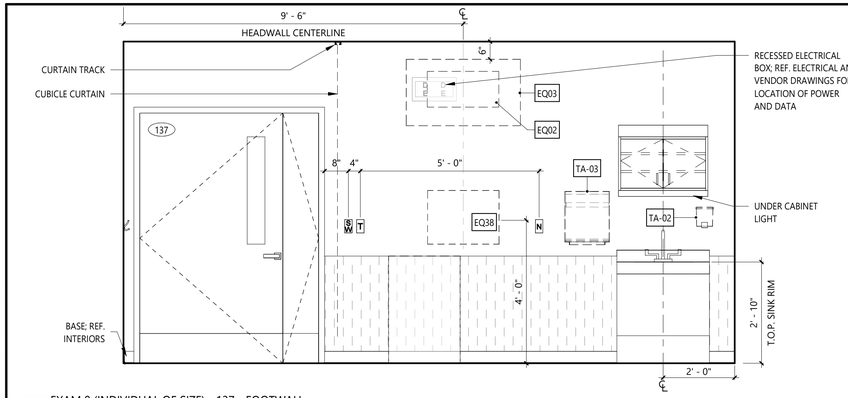
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AR # 96247

DATES OF ISSUANCE: 12/18/2025 △

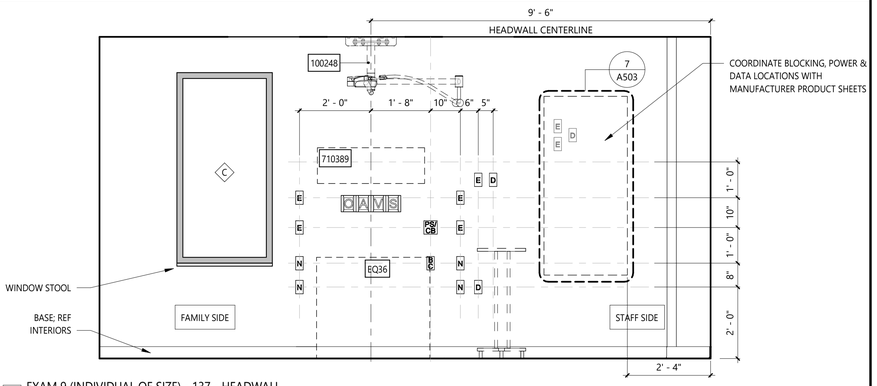
TITLE: ENLARGED RESUSCITATION ROOM

SHEET: A402

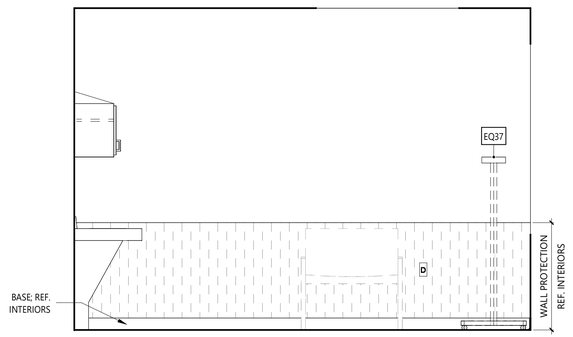
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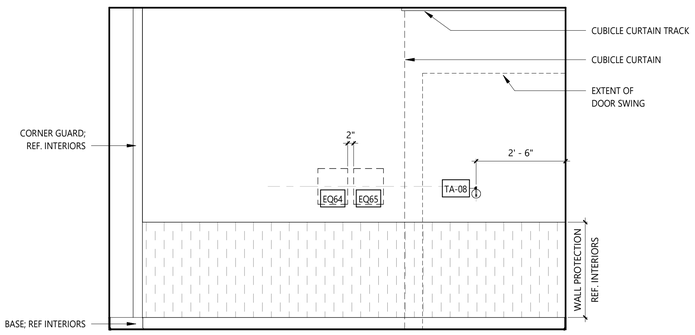
5 EXAM 9 (INDIVIDUAL OF SIZE) - 137 - FOOTWALL
SCALE: 1/2" = 1'-0"



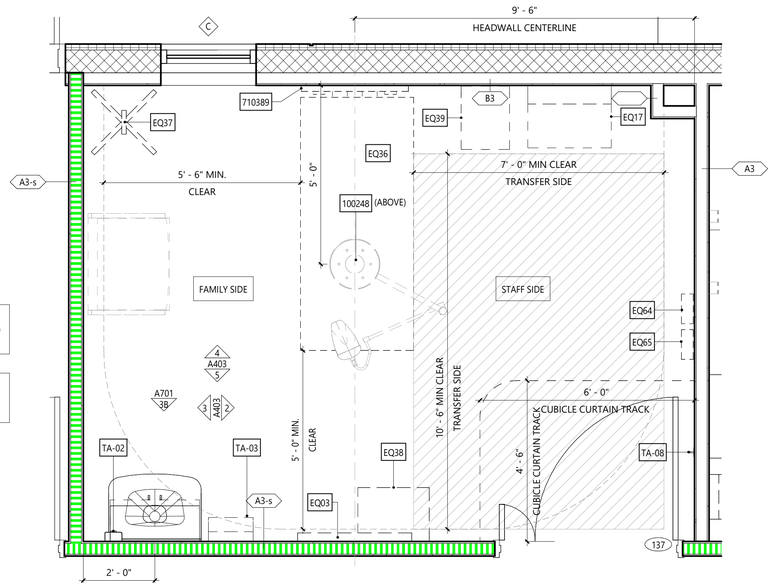
4 EXAM 9 (INDIVIDUAL OF SIZE) - 137 - HEADWALL
SCALE: 1/2" = 1'-0"



3 EXAM 9 (INDIVIDUAL OF SIZE) - 137 - SIDEWALL
SCALE: 1/2" = 1'-0"



2 EXAM 9 (INDIVIDUAL OF SIZE) - 137 - SIDEWALL
SCALE: 1/2" = 1'-0"



PLUMBING FIXTURES AND EQUIPMENT SHALL WITHSTAND 1000 LBS MIN. VERTICAL FORCE

ROOM SHALL BE EQUIPPED WITH TAMPER PROOF OUTLETS THROUGHOUT

1 EXAM 9 (INDIVIDUAL OF SIZE) - 137 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SA/CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PS/CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SS	STAFF STATION
N	NURSE CALL
M	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP

GENERAL NOTES

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EQ##	EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	NC	NURSE CALL
BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
N	NORMAL POWER	ZV	ZONE VALVE BOX

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA · WILLIAM E. HEREFORD · 96247 · REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
△

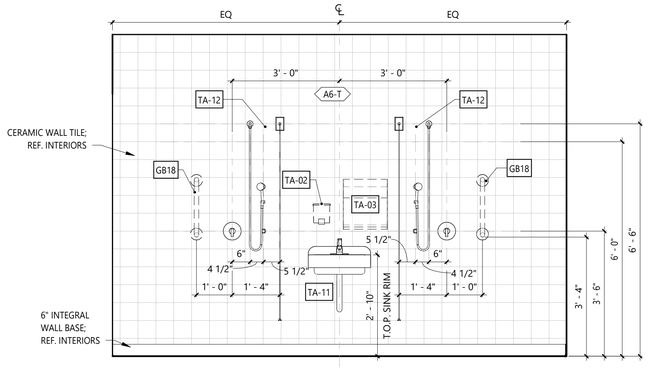
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SHEET: A403

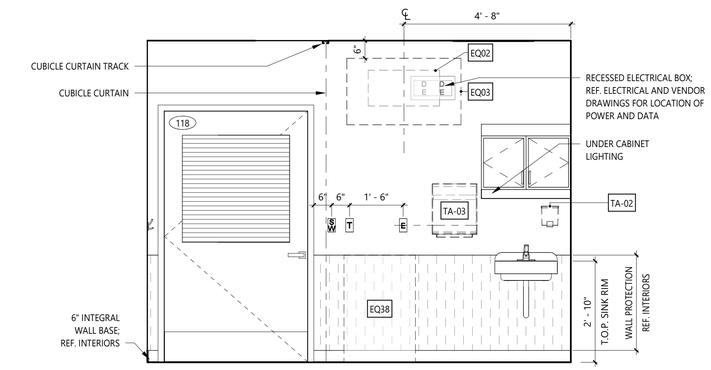
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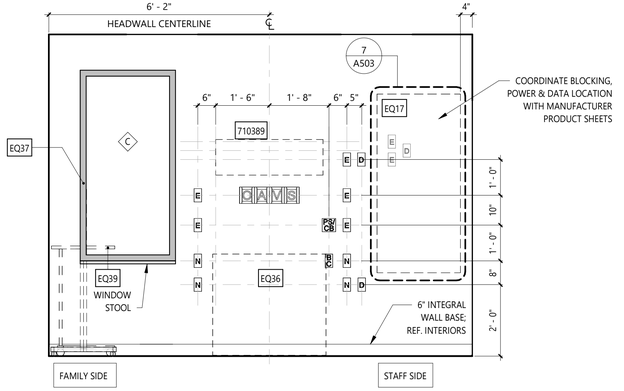
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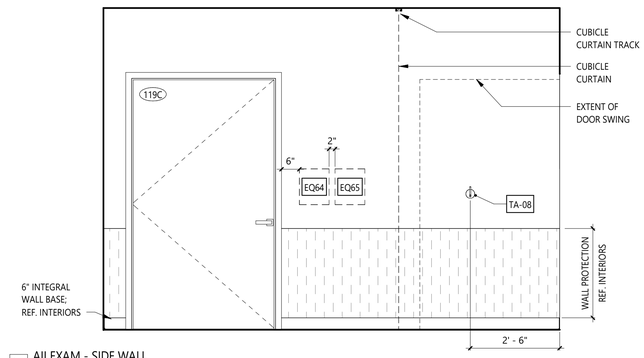
1D DECON SHOWER WALL
SCALE: 1/2" = 1'-0"



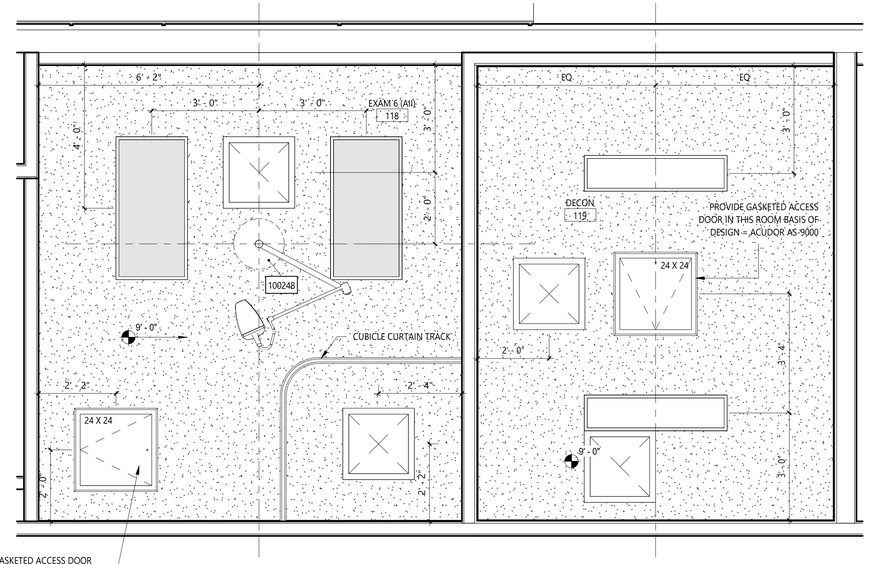
1C All EXAM - FOOTWALL
SCALE: 1/2" = 1'-0"



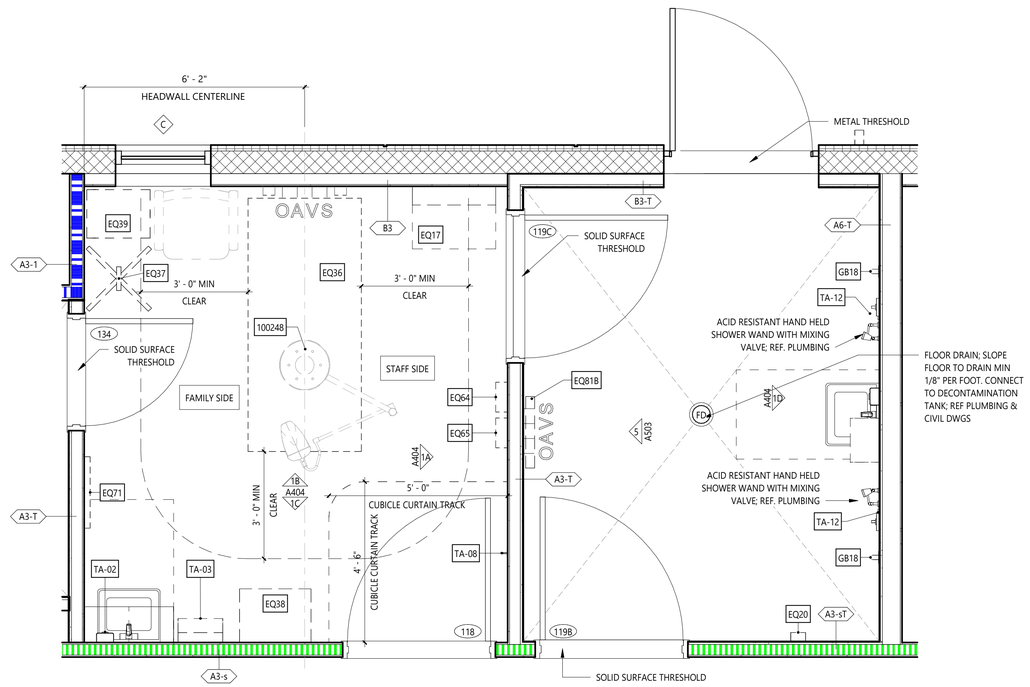
1B All EXAM - HEADWALL
SCALE: 1/2" = 1'-0"



1A All EXAM - SIDE WALL
SCALE: 1/2" = 1'-0"



2 ISOLATION EXAM - REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



1 ISOLATION EXAM - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

BAV CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PSR CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SSS	STAFF STATION
†	NURSE CALL
M	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP

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EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	NC	NURSE CALL
BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
N	NORMAL POWER	ZV	ZONE VALVE BOX

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

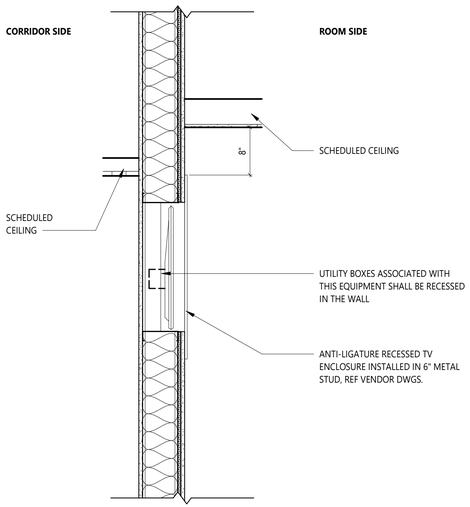


William E. Hereford, III
AR # 96247

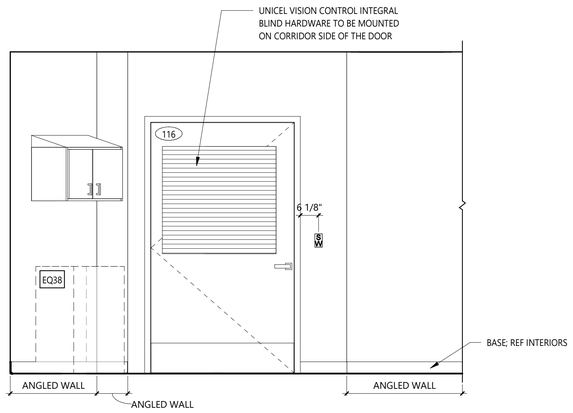
DATES OF ISSUANCE
12/18/2025
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TITLE
ENLARGED AII EXAM & DECON

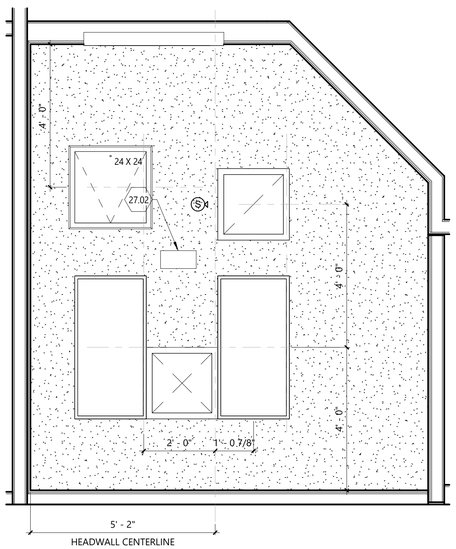
SHEET
A404



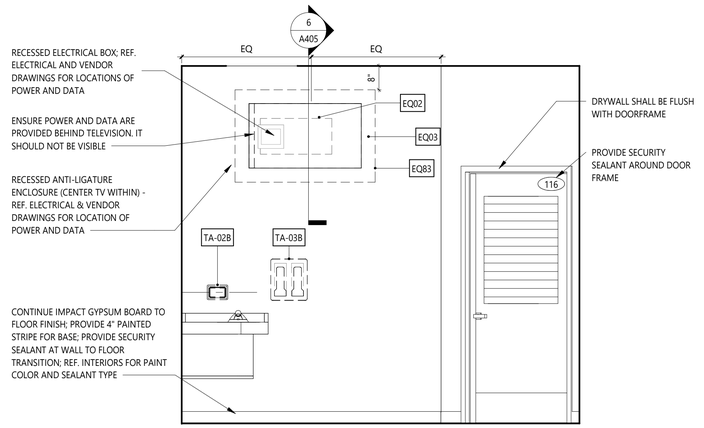
6 BEHAVIORAL EXAM - TV WINDOW ENCLOSURE
SCALE: 1" = 1'-0"



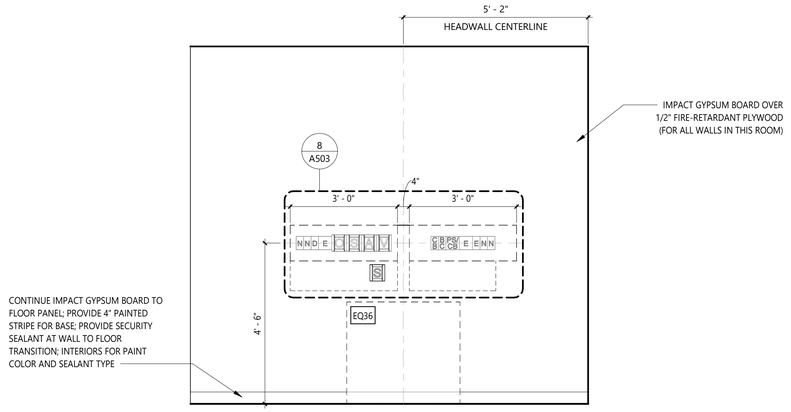
5 BEHAVIORAL EXAM - CORRIDOR
SCALE: 1/2" = 1'-0"



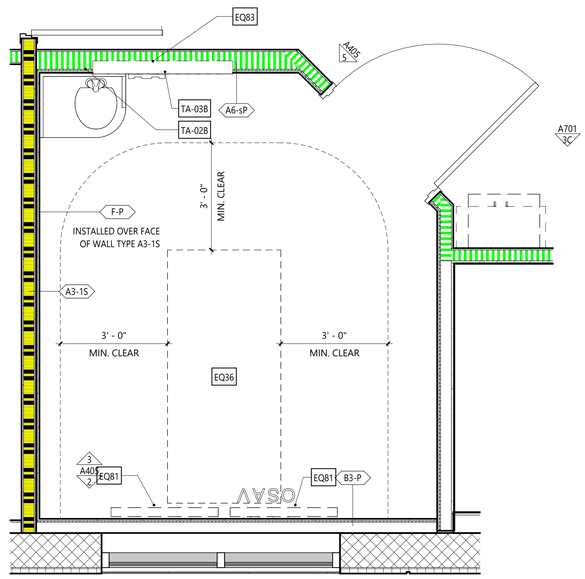
4 BEHAVIORAL EXAM - ENLARGED REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



3 BEHAVIORALEXAM - FOOTWALL
SCALE: 1/2" = 1'-0"



2 BEHAVIORAL EXAM - HEADWALL
SCALE: 1/2" = 1'-0"



GROSS AREA: 125 SF
CLEAR AREA: 120 SF

1 BEHAVIORAL EXAM - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SAV CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PSC CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SS	STAFF STATION
N	NURSE CALL
M	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

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BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

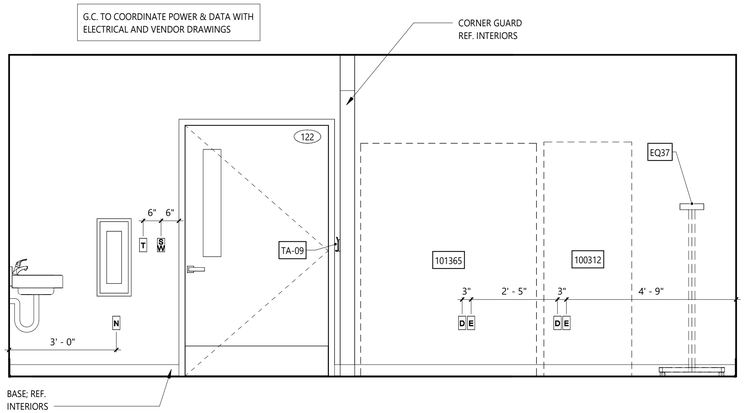
TITLE: ENLARGED BEHAVIORAL HEALTH EXAM

SHEET: A405

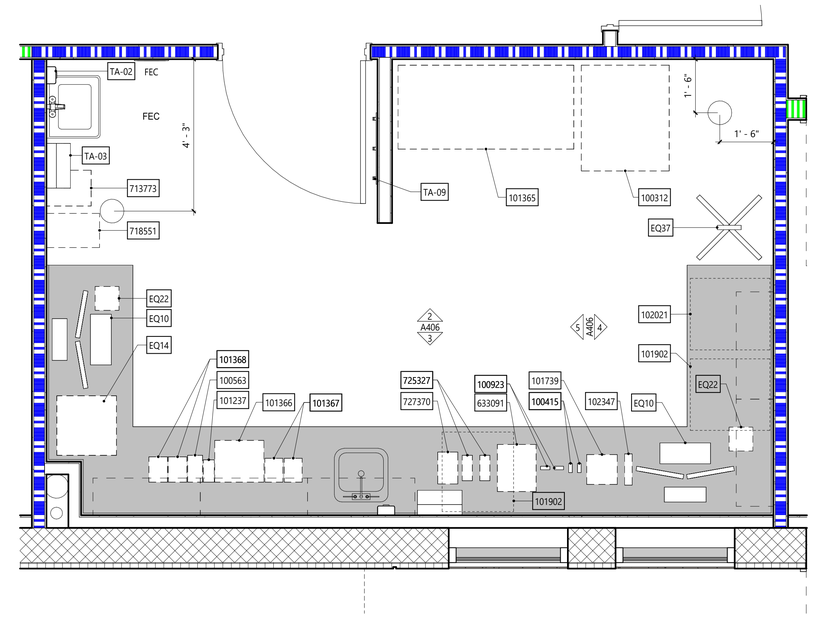
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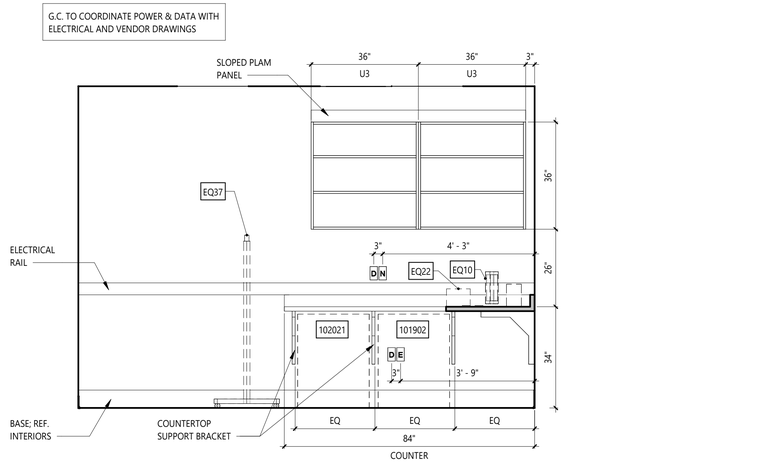
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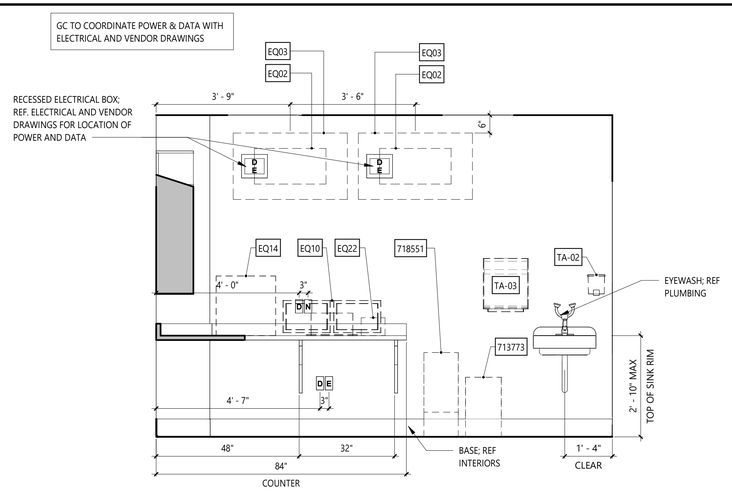
2 P.O.C. LAB 122
SCALE: 1/2" = 1'-0"



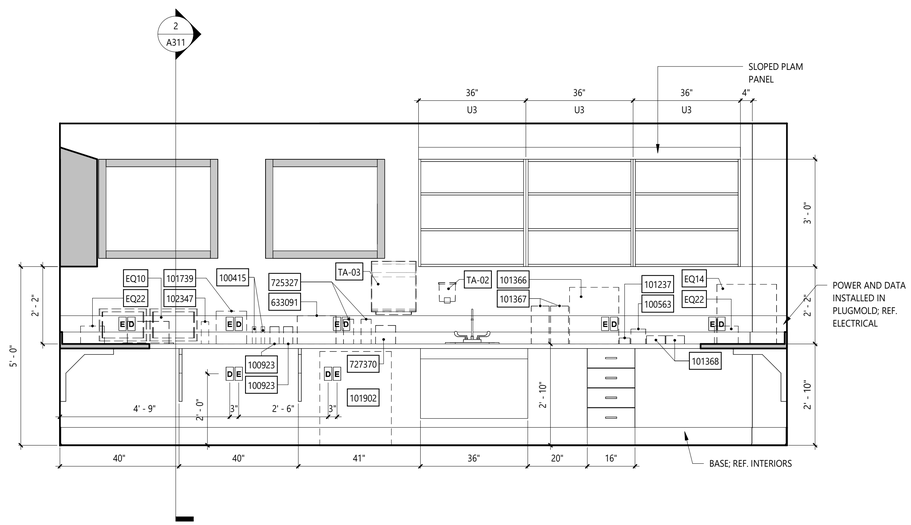
1 P.O.C. LAB 122
SCALE: 1/2" = 1'-0"



4 P.O.C. LAB 122
SCALE: 1/2" = 1'-0"



5 P.O.C. LAB 122
SCALE: 1/2" = 1'-0"



3 P.O.C. LAB 122
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SAV CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PSN CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
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A	MEDICAL GAS OUTLET: AIR

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CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA · WILLIAM E. HEREFORD III · REGISTERED ARCHITECT · 12-18-2025

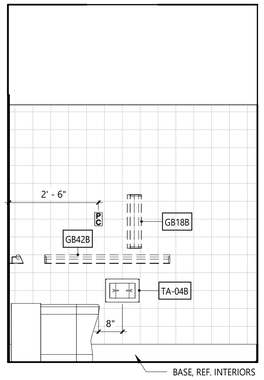
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE: 12/18/2025 △

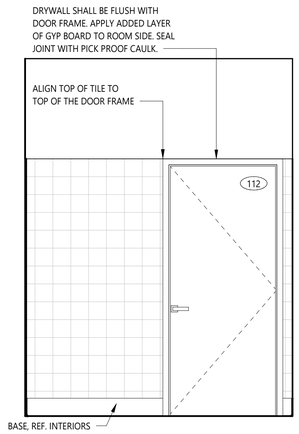
TITLE: ENLARGED P.O.C. LAB

SHEET: A406

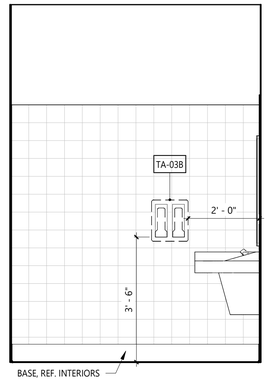
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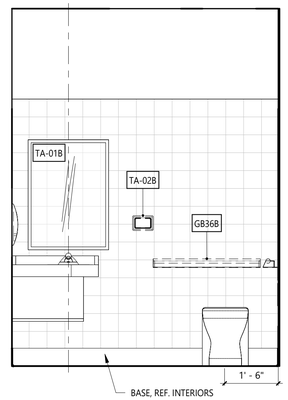
3D PATIENT TLT 112 - SIDE WALL
SCALE: 1/2" = 1'-0"



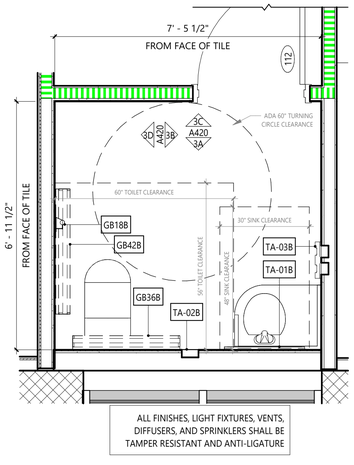
3C PATIENT TLT 112 - DOOR WALL
SCALE: 1/2" = 1'-0"



3B PATIENT TLT 112 - SIDE WALL
SCALE: 1/2" = 1'-0"



3A PATIENT TLT 112 - TOILET WALL
SCALE: 1/2" = 1'-0"

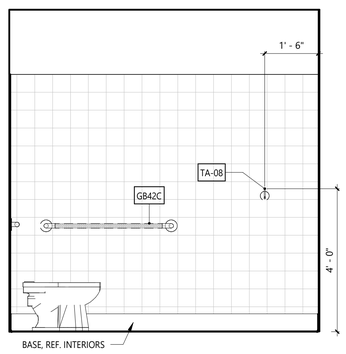


3 PATIENT TOILET 112 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

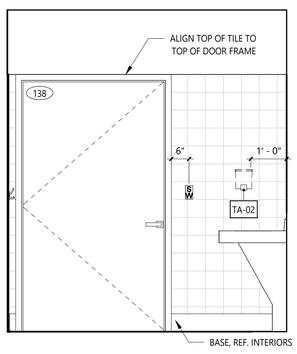
OUTLET SCHEDULE

SA/CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PS/CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SS	STAFF STATION
N	NURSE CALL
V	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

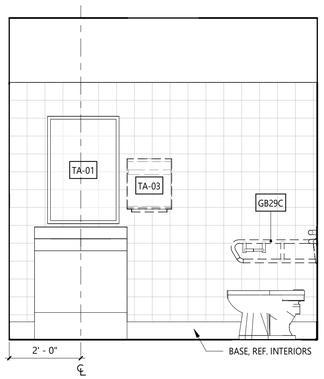
NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP



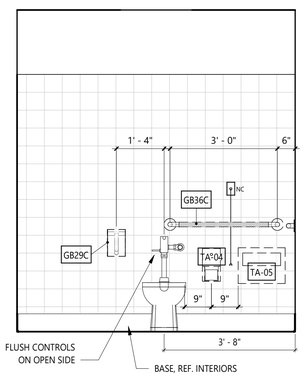
2D INDIVIDUAL OF SIZE (IOS) TLT - SIDE WALL
SCALE: 1/2" = 1'-0"



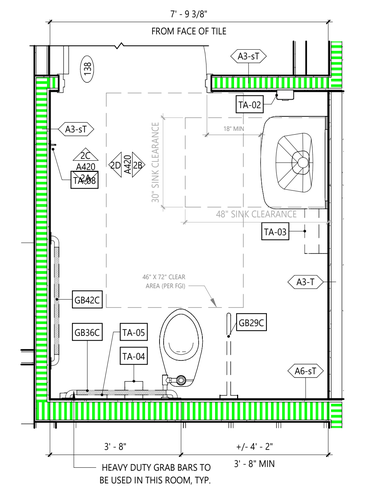
2C INDIVIDUAL OF SIZE (IOS) TLT - DOOR WALL
SCALE: 1/2" = 1'-0"



2B INDIVIDUAL OF SIZE (IOS) TLT - SINK WALL
SCALE: 1/2" = 1'-0"



2A INDIVIDUAL OF SIZE (IOS) TLT - TOILET WALL
SCALE: 1/2" = 1'-0"



2 PATIENT TOILET 138 - IOS - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

GENERAL NOTES

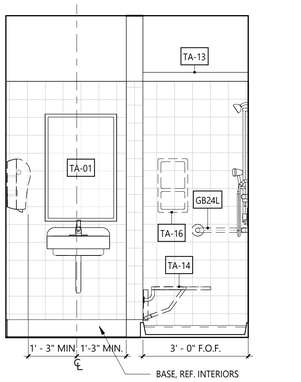
1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

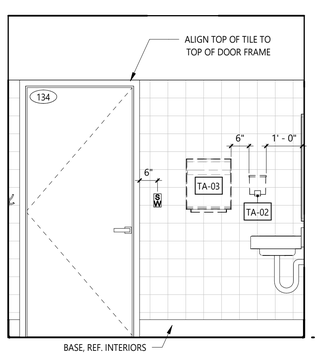
EQ## EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

TOILET ACCESSORY SCHEDULE

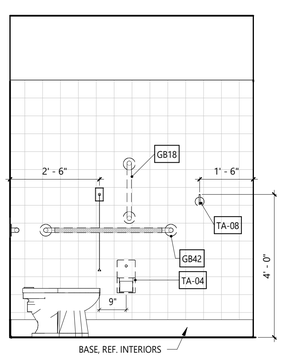
EQUIP #	DESCRIPTION	RESPONSIBILITY CFCI	OFCI	OFOI
GB18	GRAB BAR - 18"	•		
GB18B	GRAB BAR - 18" (ANTI-LIGATURE)	•		
GB24	GRAB BAR - 24"	•		
GB24L	SHOWER - ADA GRAB BAR	•		
GB29C	GRAB BAR - 29" (SWING-UP RATED FOR 500 LBS)	•		
GB36	GRAB BAR - 36"	•		
GB36B	GRAB BAR - 36" (ANTI-LIGATURE)	•		
GB36C	GRAB BAR - 36" (RATED FOR 1,000 LBS)	•		
GB42	GRAB BAR - 42"	•		
GB42B	GRAB BAR - 42" (ANTI-LIGATURE)	•		
GB42C	GRAB BAR - 42" (RATED FOR 1,000 LBS)	•		
TA-01	MIRROR	•		
TA-01B	MIRROR (ANTI-LIGATURE)	•		
TA-02	SOAP/HAND SANITIZER DISPENSER		•	
TA-02B	SOAP HOLDER (ANTI-LIGATURE)	•		
TA-03	PAPER TOWEL DISPENSER		•	
TA-03B	PAPER TOWEL DISPENSER (ANTI-LIGATURE)	•		
TA-04	TOILET PAPER DISPENSER		•	
TA-04B	TOILET PAPER HOLDER (ANTI-LIGATURE)	•		
TA-05	TOILET COVER DISPENSER	•		
TA-06	SANITARY NAPKIN DISPOSAL	•		
TA-07	BABY CHANGING STATION	•		
TA-08	ROBE / COAT HOOK	•		
TA-09	COAT RACK	•		
TA-12	SHOWER HEAD & HAND HELD SHOWER SPRAY	•		
TA-13	SHOWER CURTAIN ROD	•		
TA-13B	SHOWER CURTAIN			•
TA-14	FOLDING SHOWER SEAT	•		
TA-16	RECESSED TOILETRY SHELF	•		



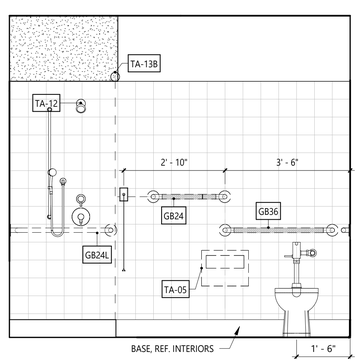
1D ISO TLT - SINK WALL
SCALE: 1/2" = 1'-0"



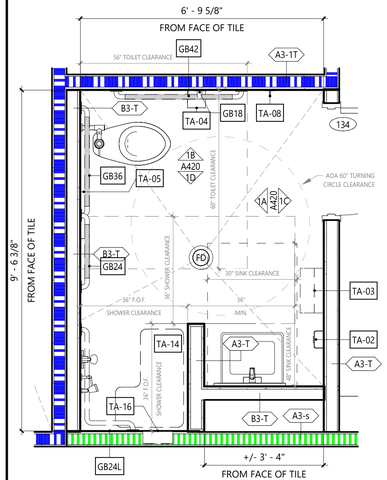
1C ISO TLT - DOOR WALL
SCALE: 1/2" = 1'-0"



1B ISO TLT - SIDE WALL
SCALE: 1/2" = 1'-0"



1A ISO TLT - TOILET WALL
SCALE: 1/2" = 1'-0"



1 PATIENT TOILET 134 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

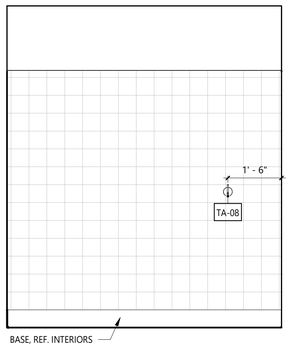
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

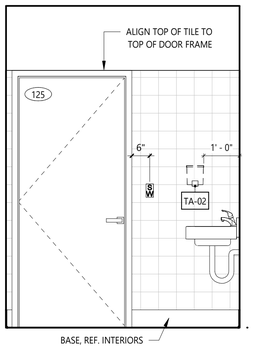
SHEET TITLE: ENLARGED TOILETS

SHEET: A420

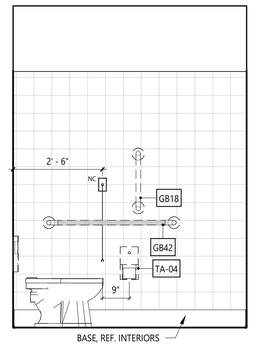
12/18/2025 4:27:12 PM
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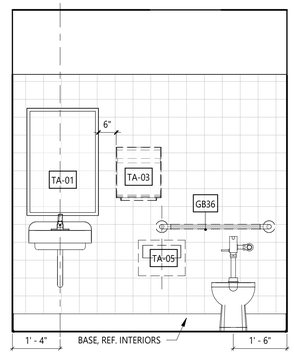
2D PATIENT TLT 125 - SIDE WALL
SCALE: 1/2" = 1'-0"



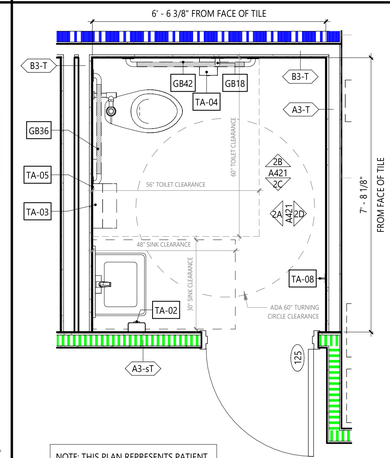
2C PATIENT TLT 125 - DOOR WALL
SCALE: 1/2" = 1'-0"



2B PATIENT TLT 125 - SIDE WALL
SCALE: 1/2" = 1'-0"

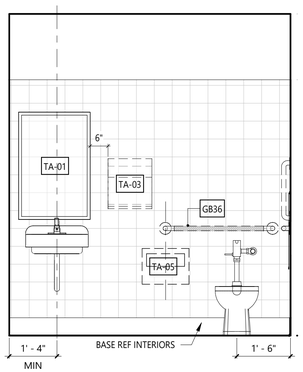


2A PATIENT TLT 125 - TOILET WALL
SCALE: 1/2" = 1'-0"

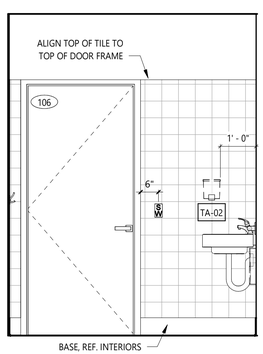


NOTE: THIS PLAN REPRESENTS PATIENT TOILET 125. STAFF TOILET 156 IS THE OPPOSITE OF THIS VIEW.

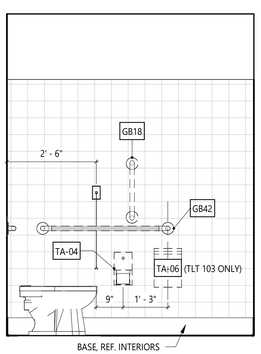
2 PATIENT TOILET 125 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



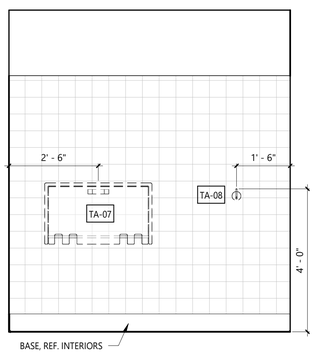
1D PUBLIC TLT 106 - TOILET WALL
SCALE: 1/2" = 1'-0"



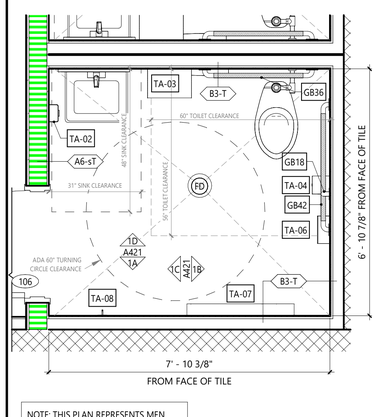
1C PUBLIC TLT 106 - DOOR WALL
SCALE: 1/2" = 1'-0"



1B PUBLIC TLT 106 - SIDE WALL
SCALE: 1/2" = 1'-0"



1A PUBLIC TLT 106 - SIDE WALL
SCALE: 1/2" = 1'-0"



NOTE: THIS PLAN REPRESENTS MEN PUBLIC TLT 106. WOMEN PUBLIC TLT 103 IS THE OPPOSITE OF THIS VIEW.

1 PUBLIC TOILET 106 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

OUTLET SCHEDULE

SA/CB	STAFF ASSIST/CODE BLUE
PC	PULL CORD
PS/CB	PATIENT STATION/CODE BLUE
D	DATA RECEPTACLE
E	EMERGENCY ELECTRICAL RECEPTACLE
N	NORMAL ELECTRICAL RECEPTACLE
SW	SWITCH
T	THERMOSTAT
BC	BED CONTROL
CB	CODE BLUE
C	CLOCK RESET
SS	STAFF STATION
N	NURSE CALL
V	MEDICAL GAS OUTLET: VACUUM
S	MEDICAL GAS: SLIDE
O	MEDICAL GAS OUTLET: OXYGEN
A	MEDICAL GAS OUTLET: AIR

NOTE: OUTLETS ARE FOR GRAPHICS AND LOCATION ONLY; REF. MEP

GENERAL NOTES

1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

######## OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

EQ## EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

TOILET ACCESSORY SCHEDULE

EQUIP #	DESCRIPTION	RESPONSIBILITY CFCI	OFCI	OFOI
GB18	GRAB BAR - 18"	•		
GB18B	GRAB BAR - 18" (ANTI-LIGATURE)	•		
GB24	GRAB BAR - 24"	•		
GB24L	SHOWER - ADA GRAB BAR	•		
GB29C	GRAB BAR - 29" (SWING-UP RATED FOR 500 LBS)	•		
GB36	GRAB BAR - 36"	•		
GB36B	GRAB BAR - 36" (ANTI-LIGATURE)	•		
GB36C	GRAB BAR - 36" (RATED FOR 1,000 LBS)	•		
GB42	GRAB BAR - 42"	•		
GB42B	GRAB BAR - 42" (ANTI-LIGATURE)	•		
GB42C	GRAB BAR - 42" (RATED FOR 1,000 LBS)	•		
TA-01	MIRROR	•		
TA-01B	MIRROR (ANTI-LIGATURE)	•		
TA-02	SOAP/HAND SANITIZER DISPENSER		•	
TA-02B	SOAP HOLDER (ANTI-LIGATURE)	•		
TA-03	PAPER TOWEL DISPENSER		•	
TA-03B	PAPER TOWEL DISPENSER (ANTI-LIGATURE)	•		
TA-04	TOILET PAPER DISPENSER		•	
TA-04B	TOILET PAPER HOLDER (ANTI-LIGATURE)	•		
TA-05	TOILET COVER DISPENSER	•		
TA-06	SANITARY NAPKIN DISPOSAL	•		
TA-07	BABY CHANGING STATION	•		
TA-08	ROBE / COAT HOOK	•		
TA-09	COAT RACK	•		
TA-12	SHOWER HEAD & HAND HELD SHOWER SPRAY	•		
TA-13	SHOWER CURTAIN ROD	•		
TA-13B	SHOWER CURTAIN			•
TA-14	FOLDING SHOWER SEAT	•		
TA-16	RECESSED TOILETRY SHELF	•		

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STATUS: CONSTRUCTION DOCUMENTS

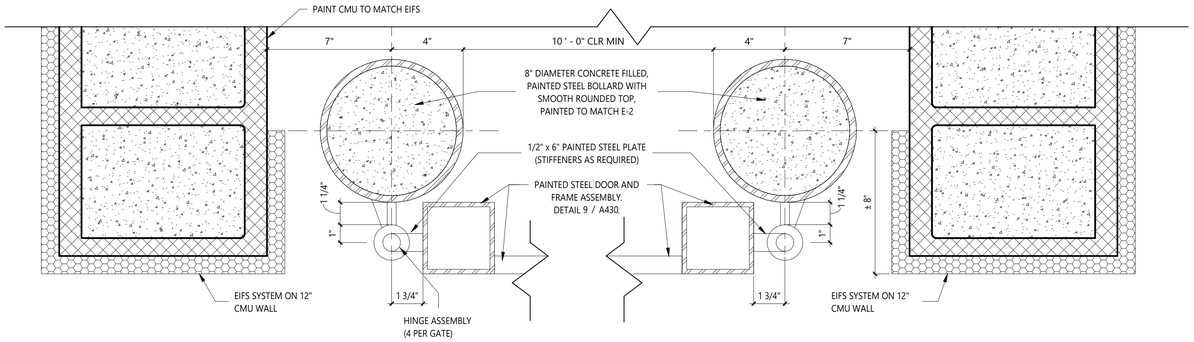
STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

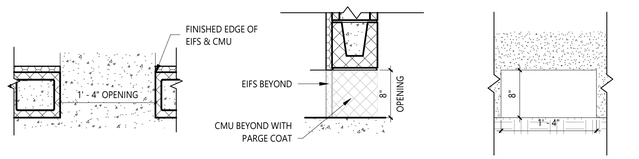
DATES OF ISSUANCE: 12/18/2025 △

TITLE: ENLARGED TOILETS

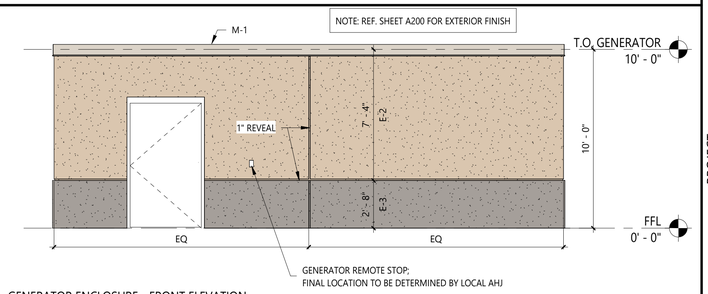
SHEET: A421



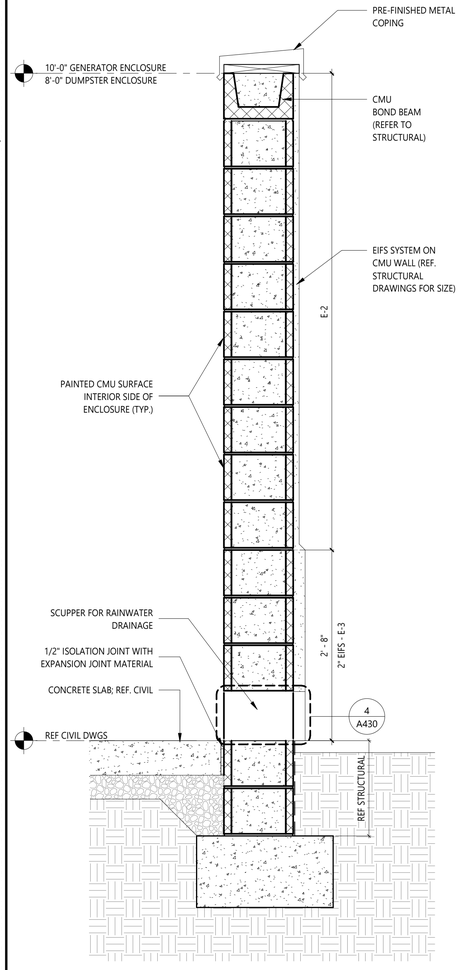
11 DUMPSTER GATE DETAIL
SCALE: 3" = 1'-0"



4 ENCLOSURE BLOCK OUT DETAIL
SCALE: 1" = 1'-0"

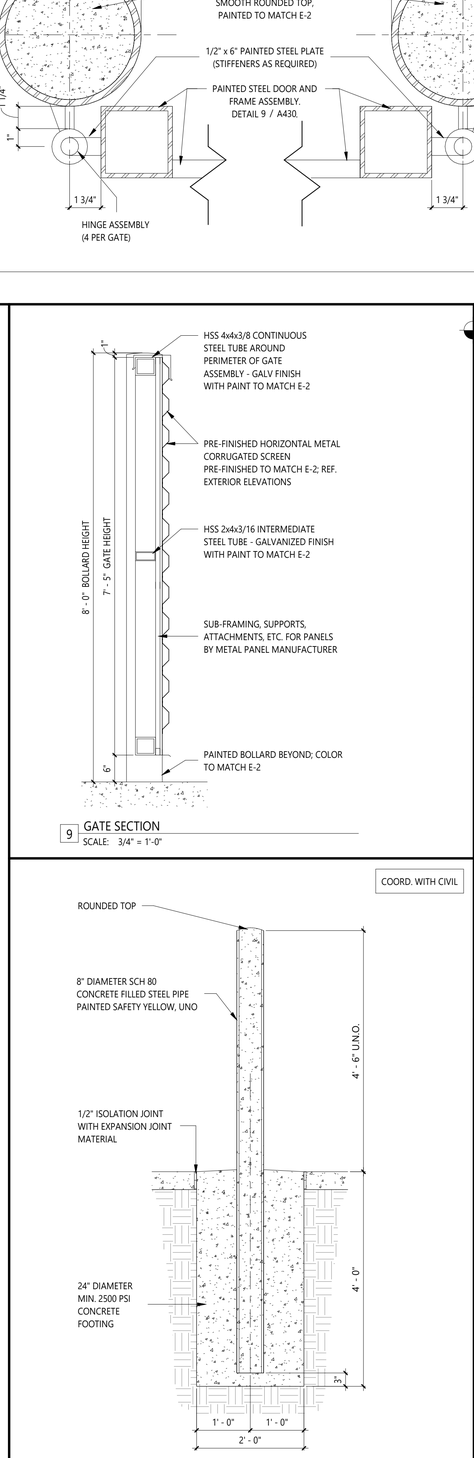


3 GENERATOR ENCLOSURE - FRONT ELEVATION
SCALE: 1/4" = 1'-0"

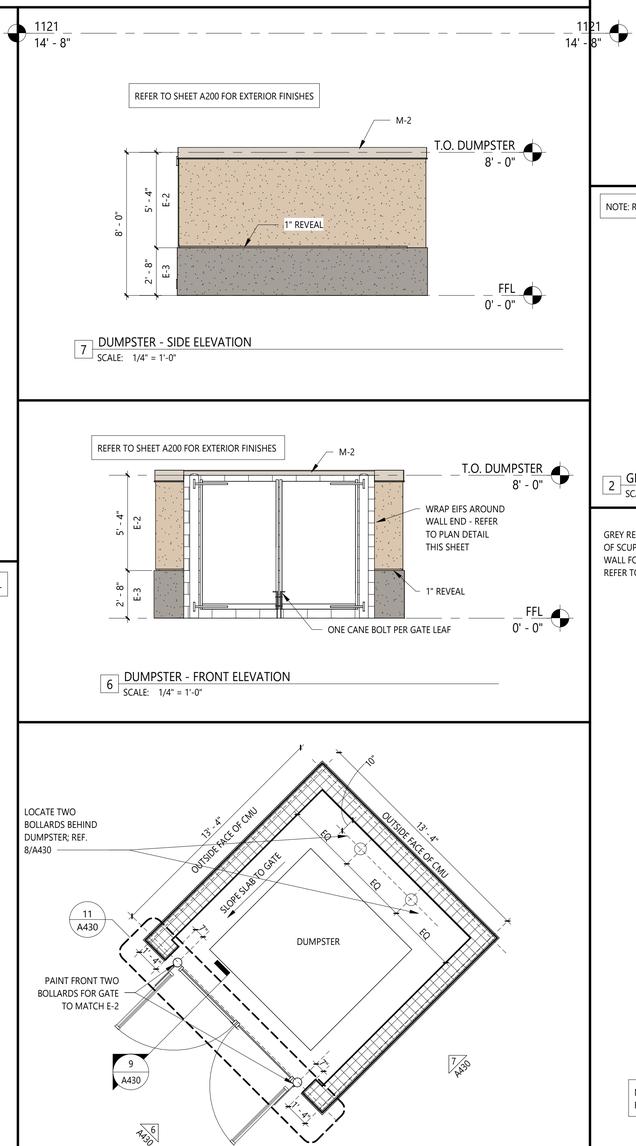


10 ENCLOSURE WALL SECTION
SCALE: 1" = 1'-0"

9 GATE SECTION
SCALE: 3/4" = 1'-0"



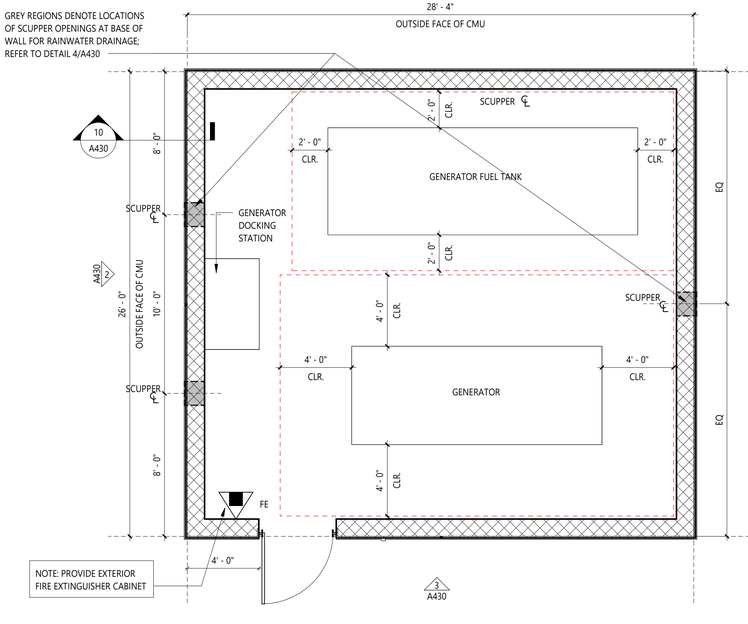
8 BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



7 DUMPSTER - SIDE ELEVATION
SCALE: 1/4" = 1'-0"

6 DUMPSTER - FRONT ELEVATION
SCALE: 1/4" = 1'-0"

5 DUMPSTER - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



2 GENERATOR ENCLOSURE - SIDE ELEVATION
SCALE: 1/4" = 1'-0"

1 GENERATOR - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD, III
REGISTERED ARCHITECT
12-18-2025

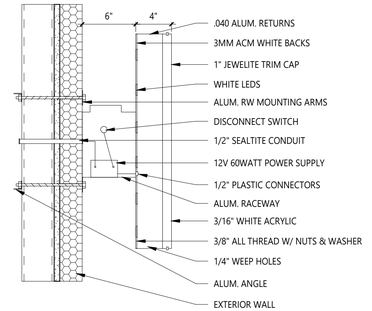
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

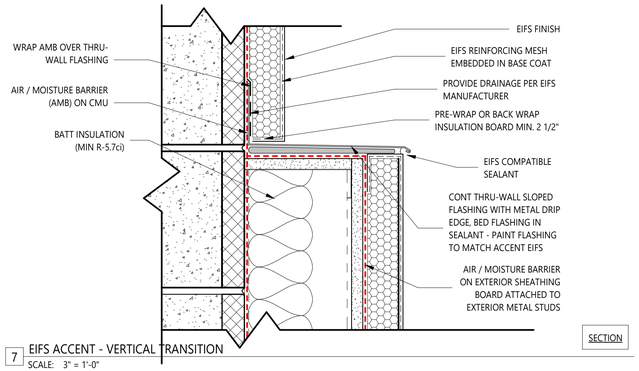
TITLE: ENLARGED GENERATOR & DUMPSTER

SHEET: A430

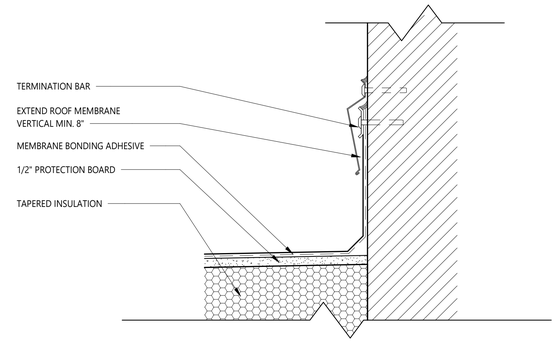
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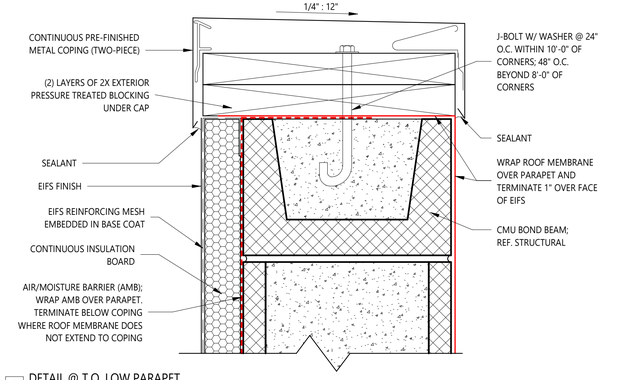
4 CANOPY SIGN ATTACHMENT DETAIL
SCALE: 1 1/2" = 1'-0"



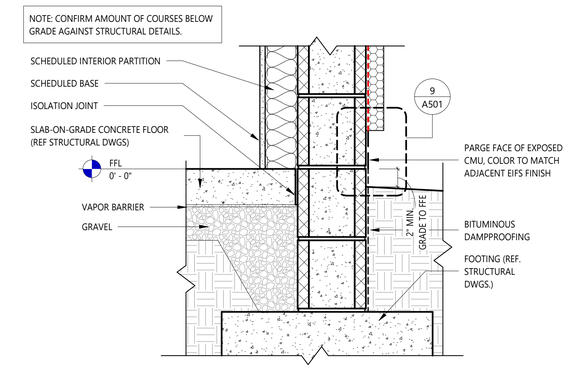
7 EIFS ACCENT - VERTICAL TRANSITION
SCALE: 3" = 1'-0"



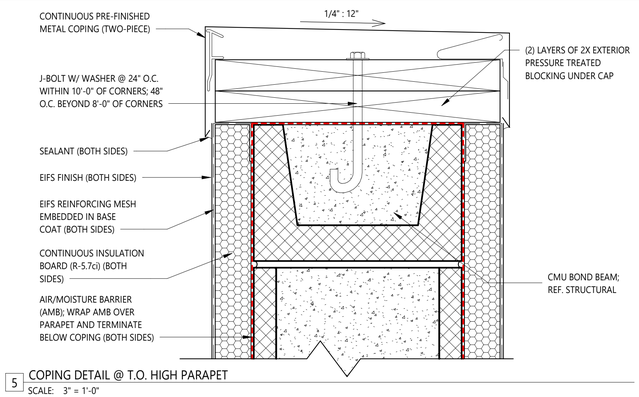
3 ROOF MEMBRANE WITH TERMINATION BAR
SCALE: 3" = 1'-0"



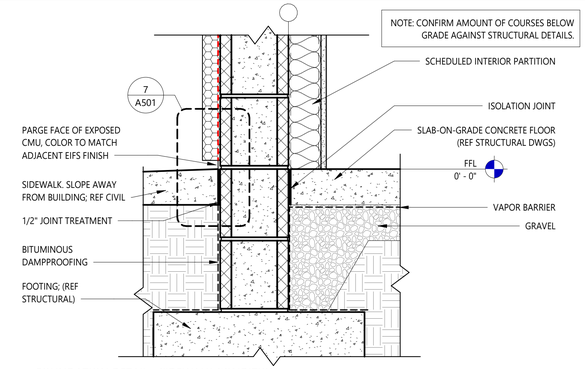
6 DETAIL @ T.O. LOW PARAPET
SCALE: 3" = 1'-0"



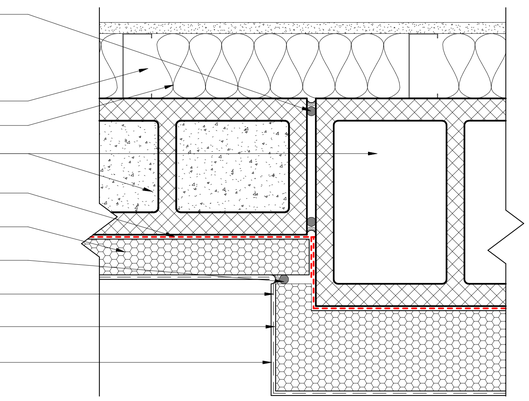
2 FOUNDATION DETAIL - GRADE CONDITION
SCALE: 1 1/2" = 1'-0"



5 COPING DETAIL @ T.O. HIGH PARAPET
SCALE: 3" = 1'-0"



1 FOUNDATION DETAIL - SIDEWALK CONDITION
SCALE: 1 1/2" = 1'-0"



8 HORIZONTAL CMU TRANSITION
SCALE: 3" = 1'-0"

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

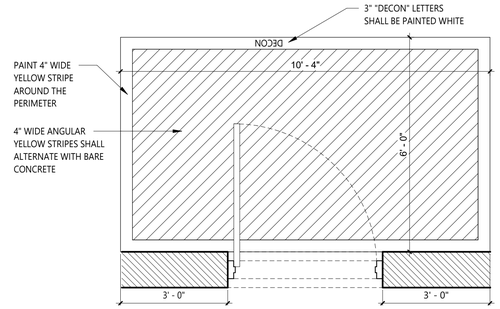
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12/18/2025

TITLE
EXTERIOR DETAILS

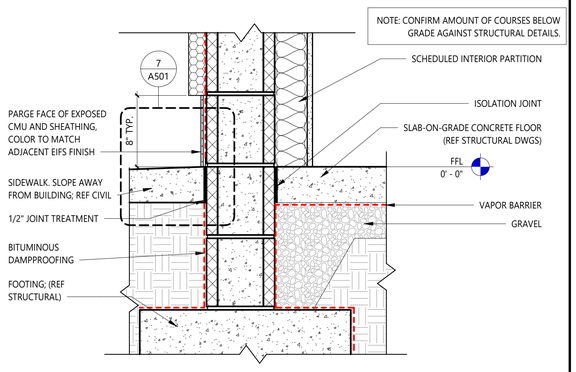
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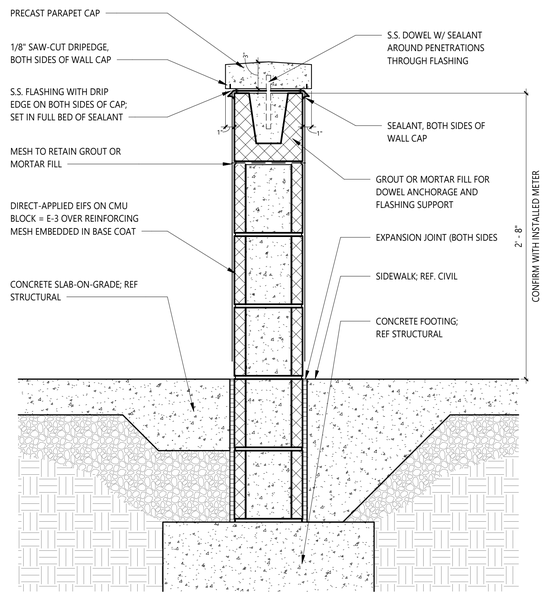
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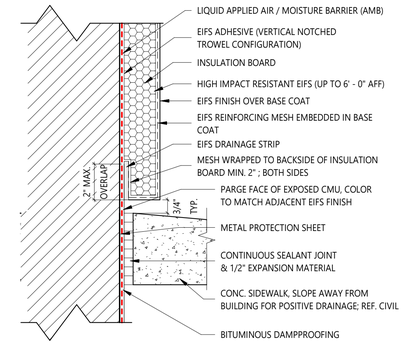
8 STRIPING DETAIL AT DECON - DOOR 119A
SCALE: 1/2" = 1'-0"



13 FOUNDATION DETAIL - SHADOW BOX AT SIDEWALK
SCALE: 1 1/2" = 1'-0"

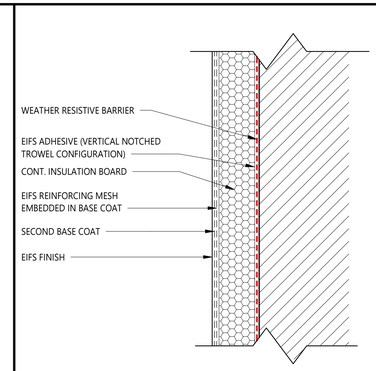


11 GAS METER ENCLOSURE - MASONRY WALL
SCALE: 1 1/2" = 1'-0"

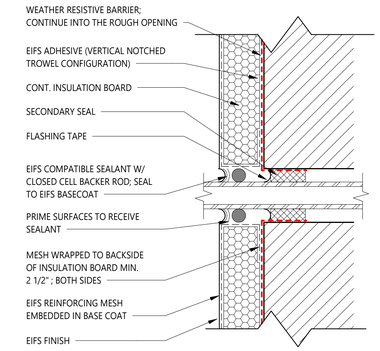


NOTE: REFERENCE NOA & MANUF. DETAILS FOR ADDITIONAL INFORMATION

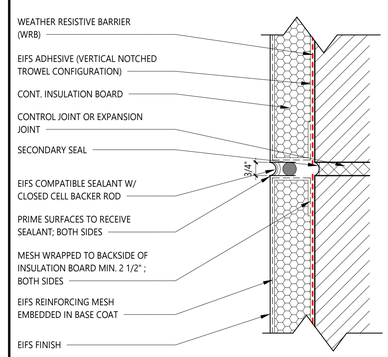
7 EIFS TERMINATION AT SIDEWALK
SCALE: 3" = 1'-0"



4 HIGH IMPACT EIFS ASSEMBLY
SCALE: 3" = 1'-0"

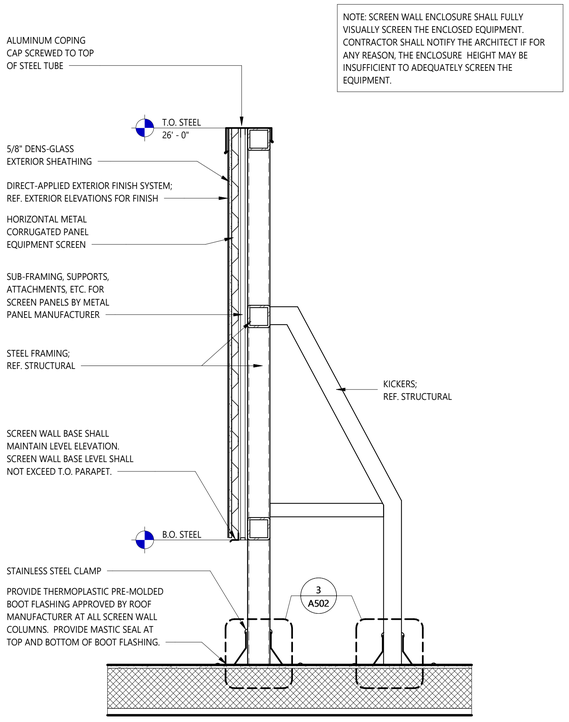


6 PENETRATION THROUGH EIFS
SCALE: 3" = 1'-0"

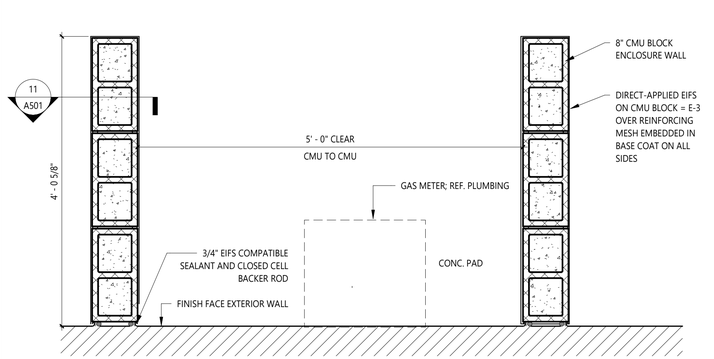


3 THROUGH-WALL CONTROL JOINT
SCALE: 3" = 1'-0"

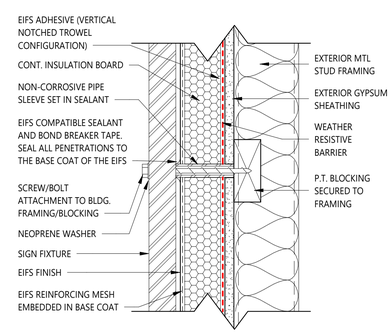
NOTE: SCREEN WALL ENCLOSURE SHALL FULLY VISUALLY SCREEN THE ENCLOSED EQUIPMENT. CONTRACTOR SHALL NOTIFY THE ARCHITECT IF FOR ANY REASON, THE ENCLOSURE HEIGHT MAY BE INSUFFICIENT TO ADEQUATELY SCREEN THE EQUIPMENT.



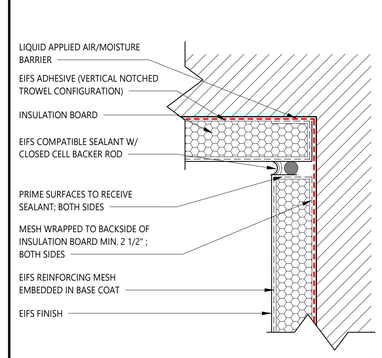
12 ROOF SCREEN SECTION
SCALE: 3/4" = 1'-0"



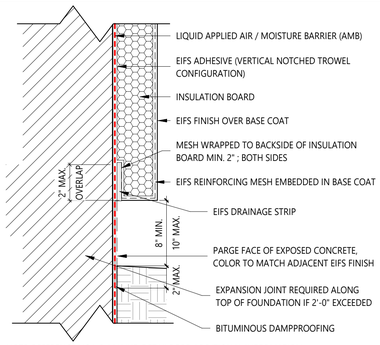
10 GAS METER ENCLOSURE
SCALE: 1" = 1'-0"



5 SIGN ATTACHMENT @ EIFS
SCALE: 3" = 1'-0"

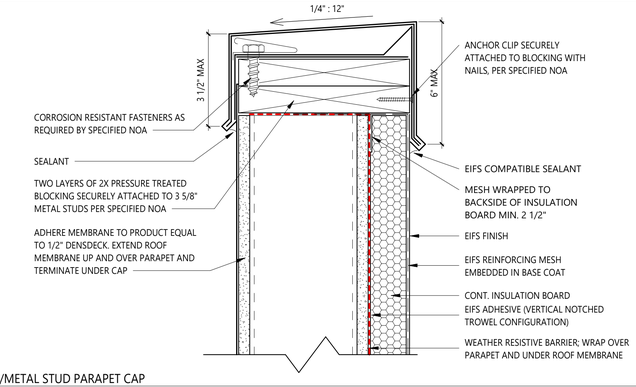


2 VERTICAL WALL / SUSPENDED SOFFIT TRANSITION
SCALE: 3" = 1'-0"



NOTE: REFERENCE NOA & MANUF. DETAILS FOR ADDITIONAL INFORMATION

9 EIFS TERMINATION AT GRADE
SCALE: 3" = 1'-0"



1 CANOPY FASCIA/METAL STUD PARAPET CAP
SCALE: 3" = 1'-0"

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REGISTERED ARCHITECT
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William E. Hereford, III
AR # 96247

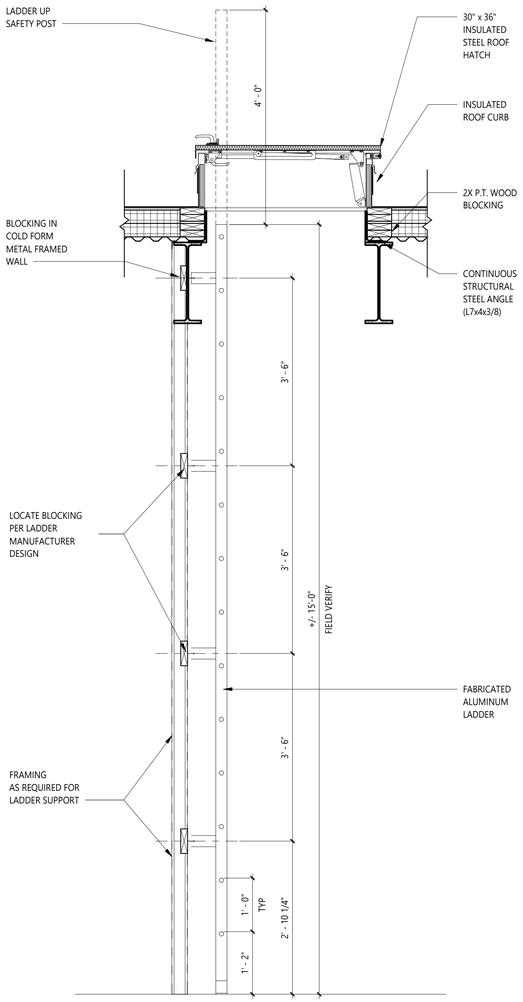
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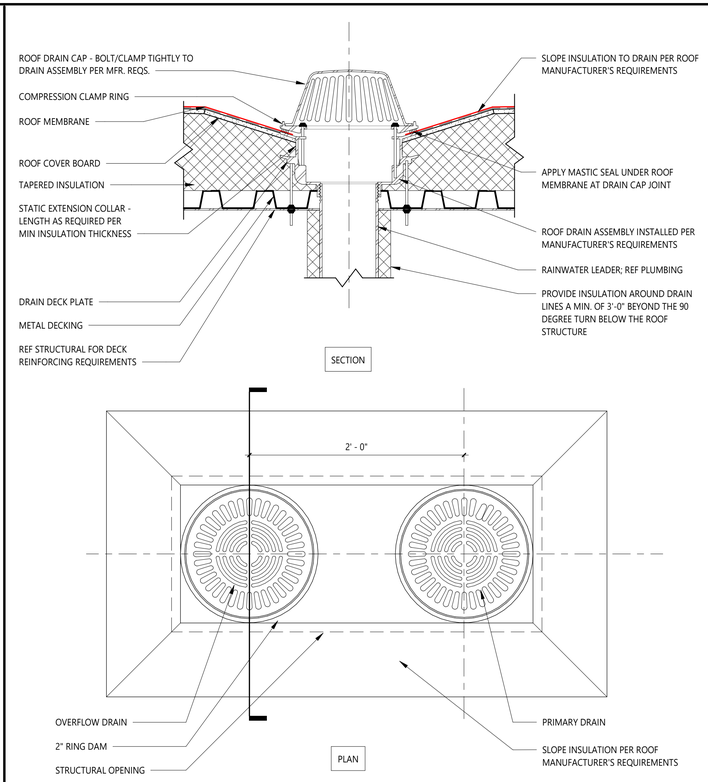
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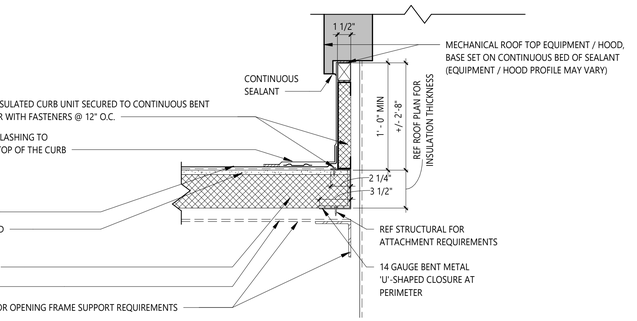
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7 ACCESS LADDER AND HATCH DETAIL
SCALE: 3/4" = 1'-0"

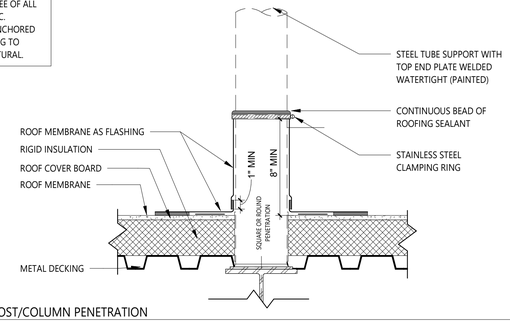


6 ROOF DRAIN; TYPICAL
SCALE: 1 1/2" = 1'-0"



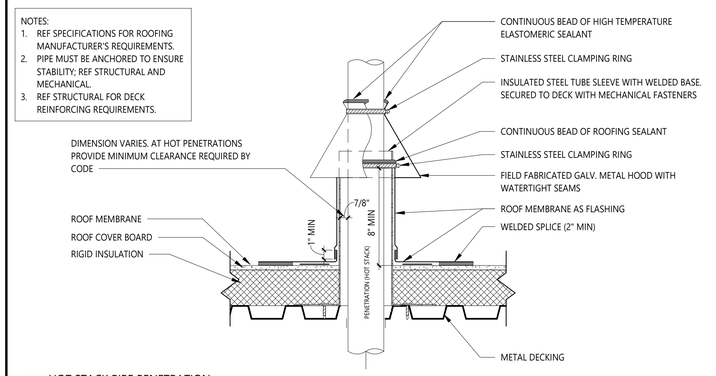
4 ROOFTOP EQUIPMENT PENETRATION AT METAL DECKING
SCALE: 1 1/2" = 1'-0"

NOTES:
1. REF. SPECIFICATIONS FOR ROOFING MANUFACTURER'S REQUIREMENTS.
2. REMOVE ALL EXISTING FLASHING, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. STRUCTURAL TUBE MUST BE ANCHORED TO STRUCTURAL STEEL FRAMING TO ENSURE STABILITY; REF. STRUCTURAL.



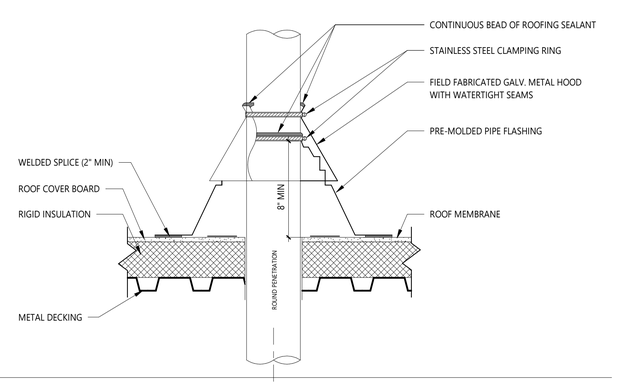
3 STRUCTURAL STEEL POST/COLUMN PENETRATION
SCALE: 1 1/2" = 1'-0"

NOTES:
1. REF SPECIFICATIONS FOR ROOFING MANUFACTURER'S REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY; REF STRUCTURAL AND MECHANICAL.
3. REF STRUCTURAL FOR DECK REINFORCING REQUIREMENTS.

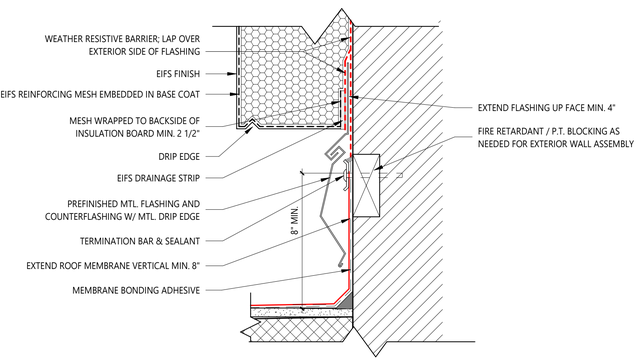


5 HOT STACK PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"

NOTES:
1. REF. SPECIFICATIONS FOR ROOFING MANUFACTURER'S REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY; REF. STRUCTURAL AND MECHANICAL.
3. LARGE PRE-MOLDED PIPE FLASHING FITS 4"- 8" PENETRATION SIZES.
4. DO NOT USE WHEN SERVICE LINE TEMPERATURE EXCEEDS 160 DEGREES FAHRENHEIT; REF. HOT STACK PENETRATION DETAIL.
5. REF. STRUCTURAL FOR DECK REINFORCING REQUIREMENTS.

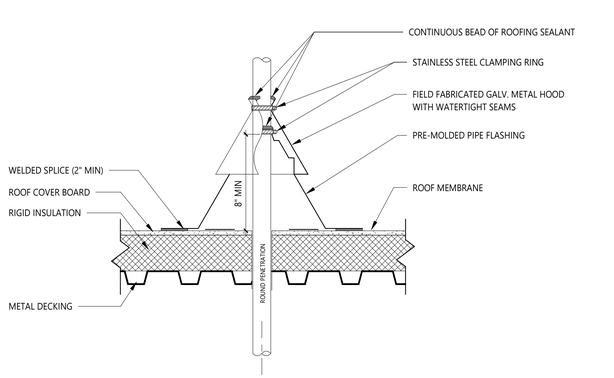


2 LARGE PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"



8 ROOF MEMBRANE TO EIFS TRANSITION
SCALE: 3" = 1'-0"

NOTES:
1. REF. SPECIFICATIONS FOR ROOFING MANUFACTURER'S REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY; REF. STRUCTURAL AND MECHANICAL.
3. SMALL, PRE-MOLDED PIPE FLASHING FITS 1" - 3 1/2" PENETRATION SIZES.
4. DO NOT USE WHEN SERVICE LINE TEMPERATURE EXCEEDS 160 DEGREES FAHRENHEIT.



1 SMALL PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"

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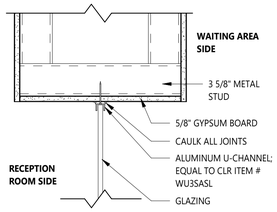
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SHEET TITLE
ROOF DETAILS

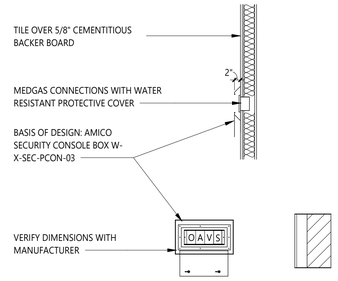
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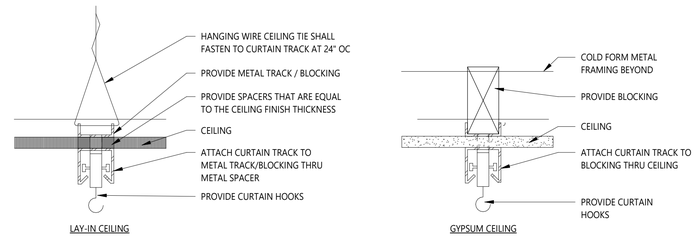
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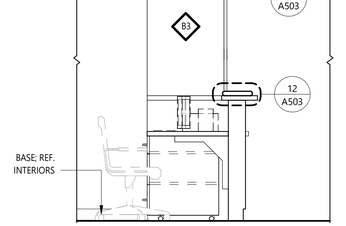
14 GLAZING AT RECEPTION - HEAD
SCALE: 1 1/2" = 1'-0"



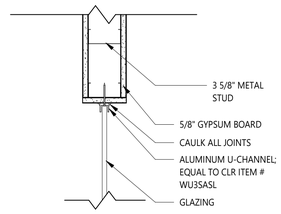
5 DECONTAMINATION - PROTECTIVE COVER
SCALE: 1/2" = 1'-0"



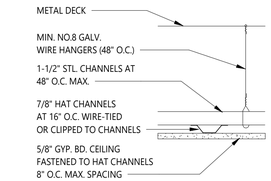
4 CURTAIN TRACK DETAIL (INDEPENDENTLY SUPPORTED)
SCALE: 3" = 1'-0"



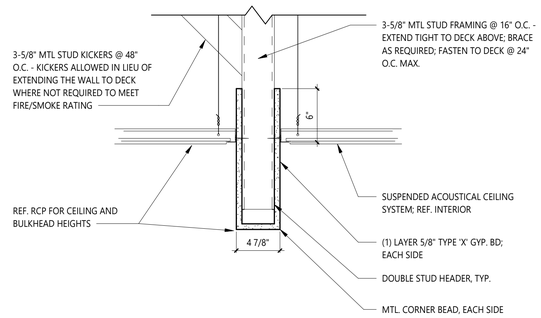
16 RECEPTION DESK - TRANSACTION COUNTER
SCALE: 1 1/2" = 1'-0"



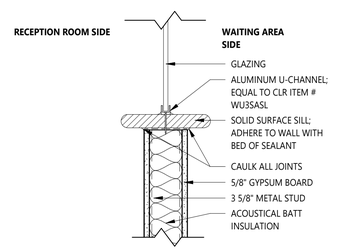
13 GLAZING AT RECEPTION - JAMB
SCALE: 1 1/2" = 1'-0"



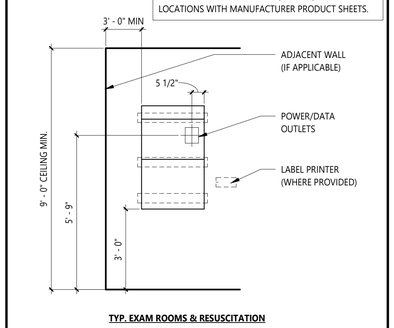
6 GYP BOARD CEILING DETAIL
SCALE: 1 1/2" = 1'-0"



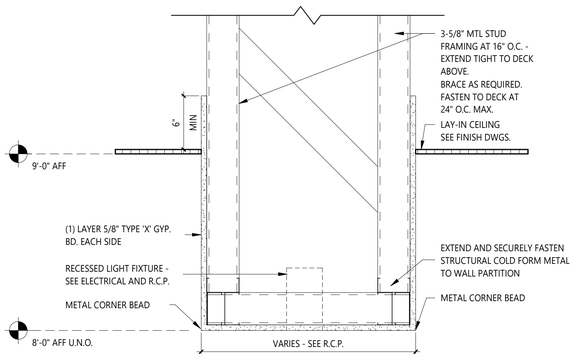
3 BULKHEAD DETAIL - NARROW
SCALE: 1 1/2" = 1'-0"



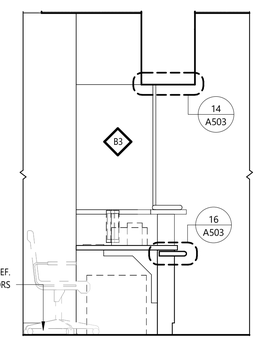
12 GLAZING AT RECEPTION DESK - SILL
SCALE: 1 1/2" = 1'-0"



7 PROXIMITY CABINET DETAIL
SCALE: 3/8" = 1'-0"

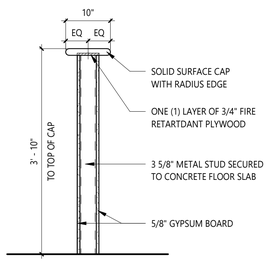


2 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"

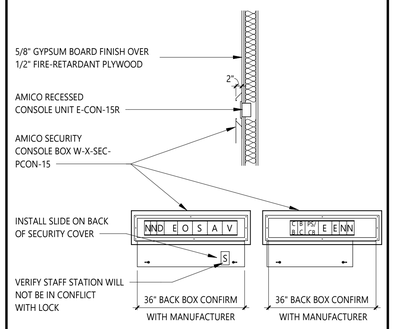


11 SECTION AT RECEPTION - TRANSACTION COUNTER
SCALE: 1/2" = 1'-0"

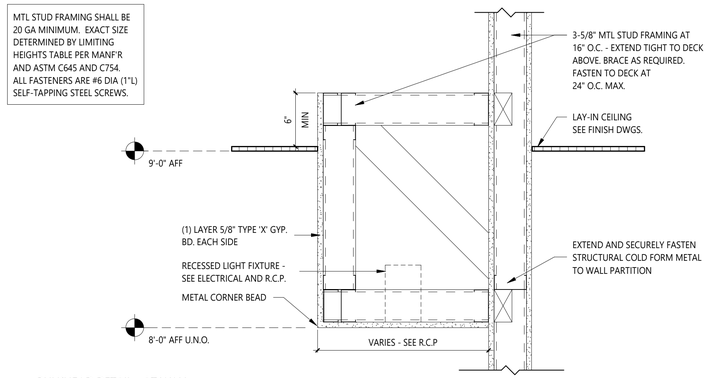
10 SECTION AT RECEPTION - HIGH WALL
SCALE: 1/2" = 1'-0"



9 LOW WALL DETAIL
SCALE: 3/4" = 1'-0"



8 BEHAVIORAL EXAM - RECESSED CONSOLE
SCALE: 1/2" = 1'-0"



1 BULKHEAD DETAIL - AT WALL
SCALE: 1 1/2" = 1'-0"

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD, III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
△

TITLE
INTERIOR DETAILS

SHEET
A503

ALUMINUM DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	ACCESS CONTROL				DETAILS			NOTES
		CR	MHO	RR	PB	HEAD	JAMB	SILL	
100A	SS					2C / A601	2B / A601	2A / A601	EXT, THHD, AUTO SLIDING DOOR, MOT, IMPACT RATED MISSILE LEVEL E
100B	SS	•				6C / A602	6B / A602	6A / A602	AUTO SLIDING DOOR, MOT, REMOTE LOCKDOWN
108A	DD	•		•	•	3C / A601	3B / A601	3A / A601	EXT, THHD, AUTO OPENER, IMPACT RATED MISSILE LEVEL E
109	TS					4B / A602	4A / A602		MANUAL TRIPLE-SLIDING DOOR, BREAK AWAY, POSITIVE LATCH, SELF-CLOSING

DOOR SCHEDULE

WT	DOOR								FRAME		ACCESS CONTROL				DETAILS			NOTES
	WIDTH	HEIGHT	THICKNESS	TYPE	PANEL	FIRE RATING	MATERIAL	GLAZING	TYPE	MATERIAL	CR	MHO	RR	PB	HEAD	JAMB	SILL	
101	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM	•			•	1B / A602	1A / A602		PANIC, AUTO OPENER
103	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
106	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
107	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
108B	8' - 0"	7' - 0"	1 3/4"	AA	G	SMOKE	HM	G2	2	HM				•	1B / A602	1A / A602		AUTO OPENER, MOT
112	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					5B / A602	5A / A602		ANTI-LIGATURE ON THE INSIDE OF THE ROOM
114	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
116	4' - 0"	7' - 0"	1 3/4"	SG	GS	SMOKE	SCWD	G4	2	HM					5B / A602	5A / A602		ANTI-LIGATURE INTEGRAL BLINDS WITH THUMB WHEEL TURN (CORRIDOR SIDE), 1/2" POLYCARBONATE ON ROOM SIDE
117	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
118	4' - 0"	7' - 0"	1 3/4"	SG	G	SMOKE	SCWD	G6	2	HM					1B / A602	1A / A602		INTEGRAL BLINDS WITH THUMBWHEEL TURN (BOTH SIDES)
119A	4' - 0"	7' - 0"	1 3/4"	SG	F		HM		1	HM								
119B	4' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		THHD
119C	4' - 0"	7' - 0"	1 3/4"	SG	F	--	SCWD	--	2	HM					1B / A602	1A / A602		THHD
120	6' - 0"	7' - 0"	1 3/4"	AA	F	--	HM	--	1	HM					1C / A601	1B / A601	1A / A601	EXT, THHD, IMPACT RATED MISSILE LEVEL E
121	4' - 0"	7' - 0"	1 3/4"	SG	F	--	HM	--	1	HM					1C / A601	1B / A601	1A / A601	EXT, THHD, PANIC, IMPACT RATED MISSILE LEVEL E
122	4' - 0"	7' - 0"	1 3/4"	SG	NV	45 MIN	SCWD	G5	2	HM					1B / A602	1A / A602		
123	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
124A	4' - 0"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
124B	3' - 8"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
125	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
126	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM	•				1B / A602	1A / A602		
127	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM	•				1B / A602	1A / A602		
128	3' - 8"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
129A	3' - 6"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
129B	3' - 6"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
131	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
133	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
134	3' - 0"	7' - 0"	1 3/4"	SG	F	--	SCWD	--	2	HM					1B / A602	1A / A602		THHD
135	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
136	4' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM	•				1B / A602	1A / A602		PANIC
137	5' - 0"	7' - 0"	1 3/4"	AI	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		ACTIVE PANEL TO RECEIVE GLAZING
138	4' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
139	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
140	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
141	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
142A	3' - 6"	7' - 0"	1 3/4"	SG	G	SMOKE	SCWD	G6	2	HM	•				1B / A602	1A / A602		INTEGRAL BLINDS WITH THUMBWHEEL TURN (ROOM SIDE ONLY)
142B	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
142C	3' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM					1B / A602	1A / A602		
144	7' - 4"	7' - 0"	1 3/4"	DE	NV	20 MIN	SCWD	G5	3	HM		•			2B / A602	2A / A602		DOUBLE EGRESS, PANIC
145A	5' - 0"	7' - 0"	1 3/4"	AI	F	SMOKE	SCWD	--	2	HM					3B / A602	3A / A602		LEAD LINED (IMAGING)
145B	3' - 0"	7' - 0"	1 3/4"	SG	F	--	SCWD	--	2	HM					3B / A602	3A / A602		LEAD LINED
147	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
148A	5' - 0"	7' - 0"	1 3/4"	AI	F	SMOKE	SCWD	--	2	HM					3B / A602	3A / A602		LEAD LINED (IMAGING)
148B	3' - 0"	7' - 0"	1 3/4"	SG	F	--	SCWD	--	2	HM					3B / A602	3A / A602		LEAD LINED
150	4' - 0"	7' - 0"	1 3/4"	SG	F		HM		1	HM								
151	3' - 0"	7' - 0"	1 3/4"	SG	NV	45 MIN	SCWD	G5	2	HM	•				1B / A602	1A / A602		
152	7' - 4"	7' - 0"	1 3/4"	DE	NV	20 MIN	SCWD	G5	3	HM		•			2B / A602	2A / A602		DOUBLE EGRESS, PANIC
153	4' - 0"	7' - 0"	1 3/4"	SG	F		HM		1	HM								
155	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
156	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM					1B / A602	1A / A602		
157A	3' - 6"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
157B	3' - 6"	7' - 0"	1 3/4"	SG	F	45 MIN	SCWD	--	2	HM	•				1B / A602	1A / A602		
161	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G2	2	HM	•				1B / A602	1A / A602		
163	3' - 0"	7' - 0"	1 3/4"	SG	F	SMOKE	SCWD	--	2	HM	•				1B / A602	1A / A602		
164	4' - 0"	7' - 0"	1 3/4"	SG	F	--	HM	--	1	HM	•				1C / A601	1B / A601	1A / A601	EXT, THHD, PANIC, IMPACT RATED MISSILE LEVEL E
165	3' - 8"	7' - 0"	1 3/4"	SG	F	90 MIN	SCWD	--	2	HM					1B / A602	1A / A602		
166	4' - 0"	7' - 0"	1 3/4"	SG	NV	SMOKE	SCWD	G5	2	HM	•				1B / A602	1A / A602		
200	4' - 0"	7' - 0"	1 3/4"	SG	F		HM		1	HM					4B / A601	4A / A601		GENERATOR, EXT, THHD, IMPACT RATED MISSILE LEVEL E

DOOR NOTES

GENERAL

1. REFER TO DIVISION 8 OF THE SPECIFICATIONS FOR MORE INFORMATION.
2. CONFLICTS / DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CLARIFIED WITH THE ARCHITECTS IMMEDIATELY UPON DISCOVERY.
3. DOORS, FRAMES, AND HARDWARE SHALL MEET THE LABEL REQUIREMENTS OF THE OPENING IN WHICH IT RESIDES. REFER TO THE LIFE SAFETY PLAN FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL COORDINATE WHERE DOORS, FRAMES, HARDWARE REQUIRE CONDUIT OR WIRING INSTALLED DURING FRAME INSTALLATION FOR ELECTRICAL CONNECTIONS FOR LOCKS, STRIKES, ETC.

DOORS

1. ALL CROSS-CORRIDOR DOORS SHALL BE 'NV' TYPE WHICH INCLUDE VIEW LITES THAT MEET ANSI/ADA REQUIREMENTS.
2. DOORS INDICATED TO BE "LEAD-LINED" SHALL BE MANUFACTURED WITH EQUIVALENT LEAD THICKNESS AS THE WALL WITHIN WHICH THEY WILL BE INSTALLED. REFER TO PHYSICIST REPORT FOR SPECIFIC SHIELDING REQUIREMENTS.
3. SMOKE DOORS IN SMOKE PARTITIONS MUST MEET 2020 FBC SECTION 710.5.2
4. ALL DOORS ARE 1 3/4" THICK

FRAMES

1. CONTRACTOR SHALL FIELD VERIFY WALL THICKNESS FOR EACH DOOR HEAD/JAMB.

HARDWARE

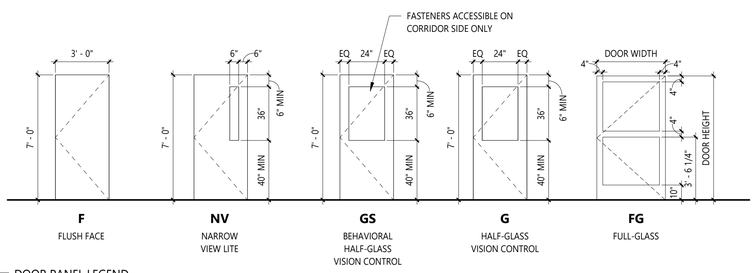
1. REFER TO SHEET A141 FOR DOOR ACCESS CONTROL.
2. PROVIDE SMOKE LABELED GASKETING ON ALL FIRE / SMOKE RATED DOORS.

DOOR ABBREVIATIONS LEGEND

AL	ALUMINUM
CR	CARD READER
DBL	DOUBLE
EXT	EXTERIOR
GL	GLAZING
HM	HOLLOW METAL
AL/GL	ALUMINUM W/ GLASS
KP	KEYPAD
CR/KP	CARD READER/KEYPAD COMBO
MHO	MAGNETIC HOLD-OPENS
MOT	MOTION SENSOR
PB	PUSH BUTTON
PTD	PAINTED
RR	REMOTE RELEASE
SCWD	SOLID-CORE WOOD DOOR
SMOKE	SMOKE-TIGHT
THHD	THRESHOLD
STL	STEEL

GLAZING LEGEND

G1	GLASS TYPE 1 - 1 5/16" INSULATED LAMINATED GLAZING (1/4" TEMPERED GLASS, 7/16" AIR SPACE. 1/4" HEAT STRENGTHENED GLASS, 0.18" STENRYGLAS INTERLAYER BY KURARAY, 1/4" HEAT STRENGTHENED GLASS)
G1-S	GLASS TYPE 1 (SPANDREL) - 1 5/16" INSULATED LAMINATED GLAZING (1/4" TEMPERED GLASS, 7/16" AIR SPACE. 1/4" HEAT STRENGTHENED GLASS, 0.18" STENRYGLAS INTERLAYER BY KURARAY, 1/4" HEAT STRENGTHENED GLASS) WITH OPACIFIED CERAMIC FRIT ON #4 SURFACE
G2	GLASS TYPE 2 - 1/4" TEMPERED GLAZING
G3	GLASS TYPE 3 - REFER TO PHYSICIST REPORT FOR EQUIVALENT LEAD SHIELDED GLAZING
G4	GLASS TYPE 4 - 1/2" POLYCARBONATE SECURITY GLAZING ON ROOM SIDE, INTEGRAL BLINDS, 1/4" TEMPERED ON CORRIDOR SIDE
G5	GLASS TYPE 5 - CERAMIC FIRE RATED GLAZING
G6	GLASS TYPE 6 - TEMPERED WITH INTERNAL WINDOW BLINDS



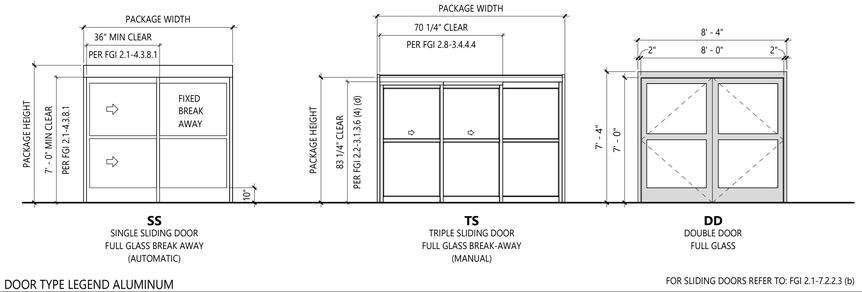
F FLUSH FACE

NV NARROW VIEW LITE

GS BEHAVIORAL HALF-GLASS VISION CONTROL

G HALF-GLASS VISION CONTROL

FG FULL-GLASS



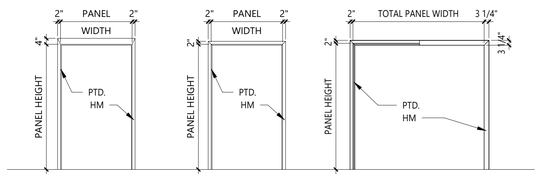
SS SINGLE SLIDING DOOR FULL GLASS BREAK AWAY (AUTOMATIC)

TS TRIPLE SLIDING DOOR FULL GLASS BREAK-AWAY (MANUAL)

DD DOUBLE DOOR FULL GLASS

DOOR PANEL LEGEND

SCALE: 1/4" = 1'-0"



1 EXT. HM FRAME

2 INT. HM FRAME

3 HM DOUBLE EGRESS

FRAME TYPE LEGEND

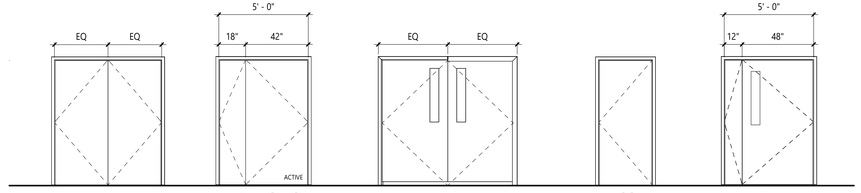
SCALE: 1/4" = 1'-0"

DOOR TYPE LEGEND ALUMINUM

SCALE: 1/4" = 1'-0"

FOR SLIDING DOORS REFER TO: FGI 2.1-7.2.2.3 (b)

*REFER TO SPECIFICATIONS FOR GLAZING INFORMATION



AA DOUBLE DOOR BOTH ACTIVE

AI (IMAGING) DOUBLE UNEVEN ACTIVE/INACTIVE

DE DOUBLE EGRESS BOTH ACTIVE

SG SINGLE DOOR LEAF

AI DOUBLE UNEVEN ACTIVE/INACTIVE

DOOR TYPE LEGEND

SCALE: 1/4" = 1'-0"

HEREFORD · DOOLEY

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PROJECT # 225014.00

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — WILLIAM E. HEREFORD III — REGISTERED ARCHITECT — 12-18-2025

William E. Hereford, III
AR # 96247

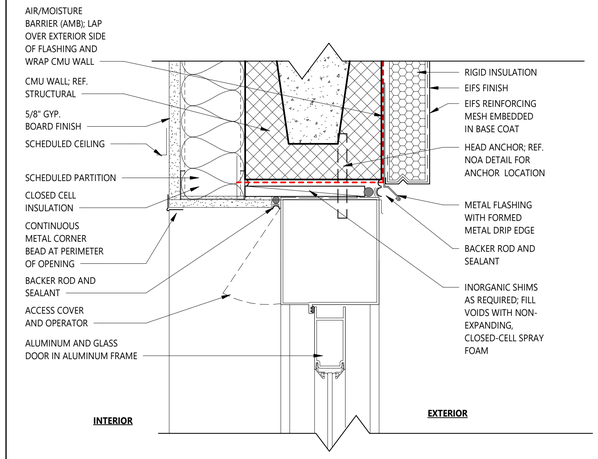
DATES OF ISSUANCE: 12/18/2025 △

TITLE: DOOR SCHEDULE

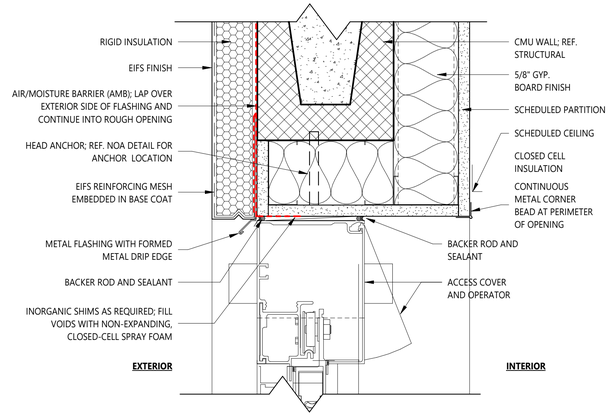
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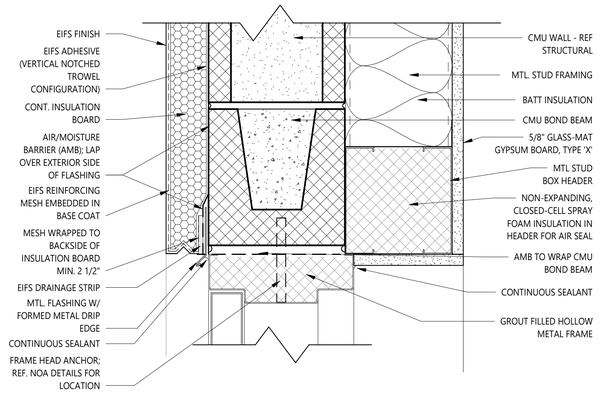
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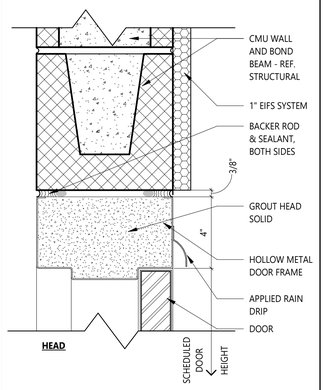
3C DOOR - EXTERIOR ALUMINUM SWING @ EIFS - HEAD
SCALE: 3" = 1'-0"



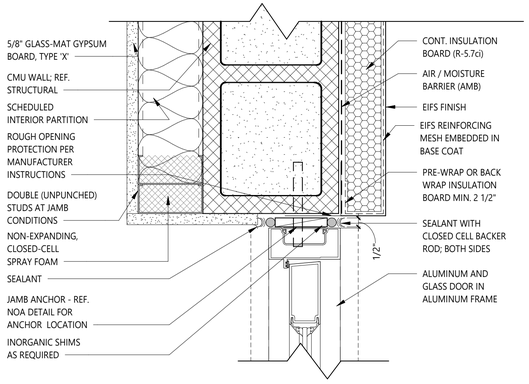
2C DOOR - EXT ALUMINUM SLIDER HEAD AT EIFS
SCALE: 3" = 1'-0"



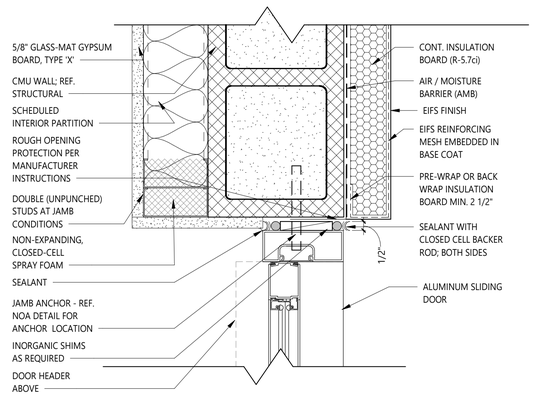
1C DOOR - EXT H.M. SWING - HEAD AT EIFS
SCALE: 3" = 1'-0"



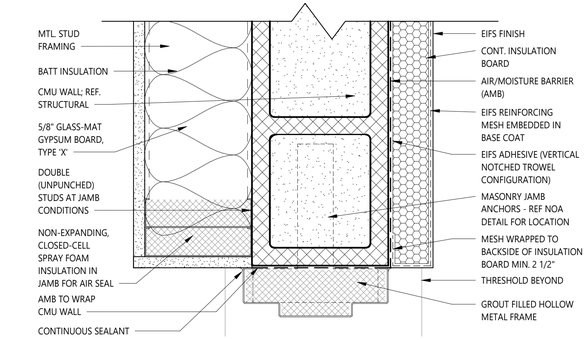
4B DOOR - EXT H.M. AT GENERATOR ENCLOSURE - HEAD
SCALE: 3" = 1'-0"



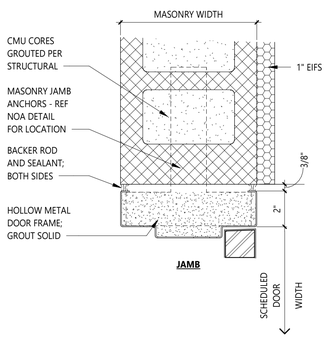
3B DOOR - EXTERIOR ALUMINUM SWING @ EIFS - JAMB
SCALE: 3" = 1'-0"



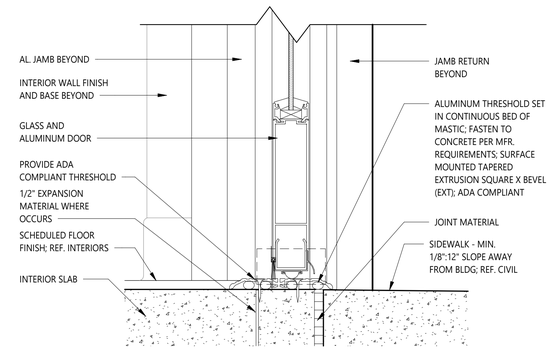
2B DOOR - EXT ALUMINUM SLIDER JAMB AT EIFS
SCALE: 3" = 1'-0"



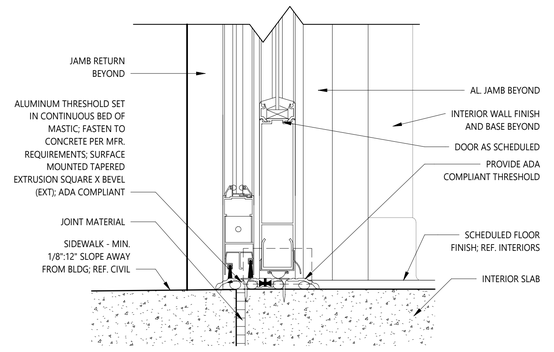
1B DOOR - EXT H.M. SWING - JAMB AT EIFS
SCALE: 3" = 1'-0"



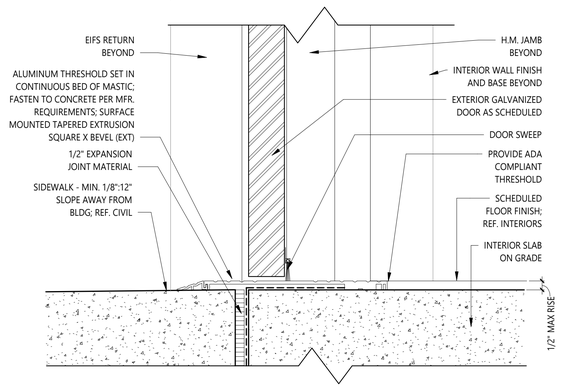
4A DOOR - EXT H.M. AT GENERATOR ENCLOSURE - JAMB
SCALE: 3" = 1'-0"



3A DOOR - EXTERIOR ALUMINUM SWING @ EIFS - SILL
SCALE: 3" = 1'-0"



2A DOOR - EXT ALUMINUM SLIDER SILL AND THRESHOLD
SCALE: 3" = 1'-0"



1A DOOR - EXT H.M. SWING THRESHOLD
SCALE: 3" = 1'-0"

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

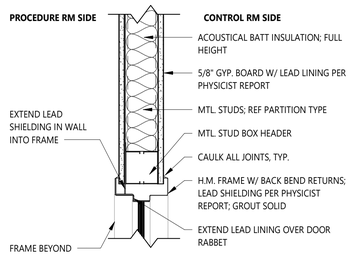
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

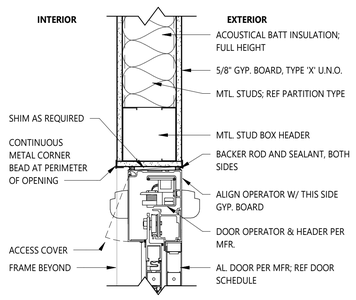
TITLE: EXTERIOR DOOR DETAILS

SHEET: A601

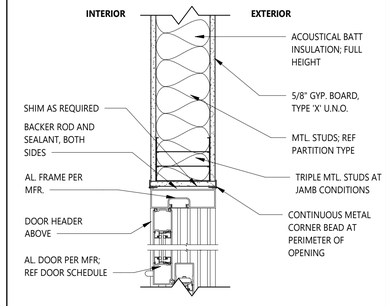
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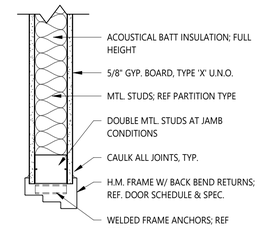
7C LEAD LINED WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



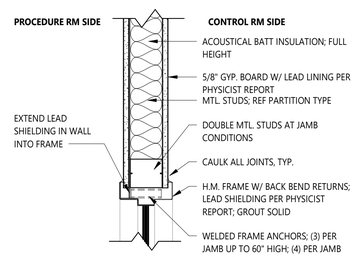
6C INTERIOR AL. AUTOMATIC SLIDE - HEAD
SCALE: 1 1/2" = 1'-0"



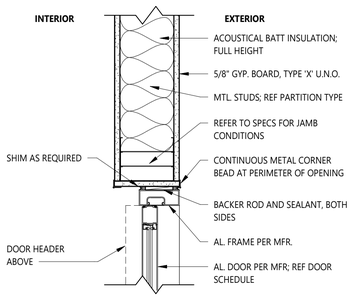
4A INTERIOR A.L. TRIPLE SLIDE - JAMB
SCALE: 1 1/2" = 1'-0"



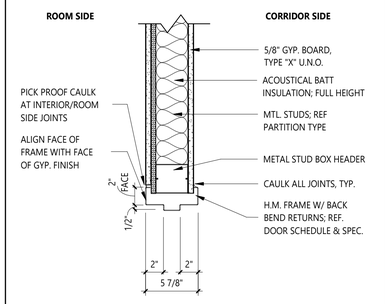
2A INTERIOR H.M. DOUBLE EGRESS - JAMB
SCALE: 1 1/2" = 1'-0"



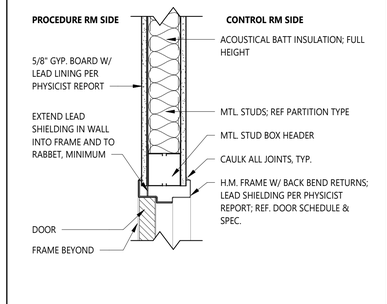
7B LEAD LINED WINDOW JAMB
SCALE: 1 1/2" = 1'-0"



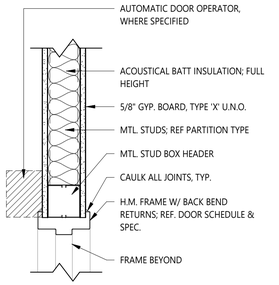
6B INTERIOR AL. AUTOMATIC SLIDE - JAMB
SCALE: 1 1/2" = 1'-0"



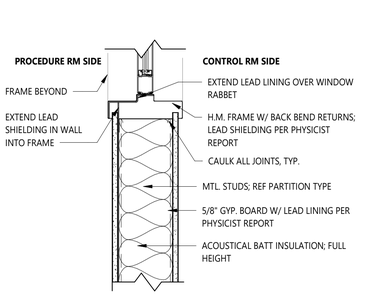
5B INTERIOR DOOR H.M. - HEAD (BEHAV.)
SCALE: 1 1/2" = 1'-0"



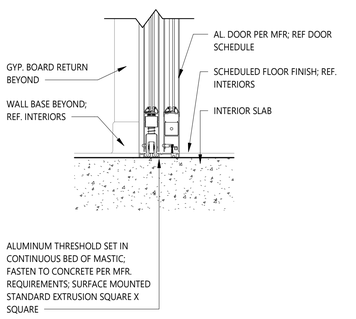
3B INTERIOR H.M. LEAD-LINED - HEAD
SCALE: 1 1/2" = 1'-0"



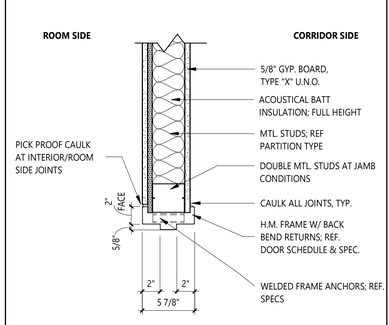
1B INTERIOR H.M. SWING - HEAD
SCALE: 1 1/2" = 1'-0"



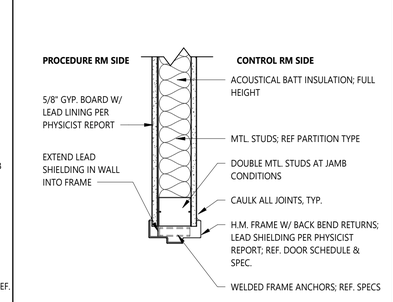
7A LEAD LINED WINDOW SILL
SCALE: 1 1/2" = 1'-0"



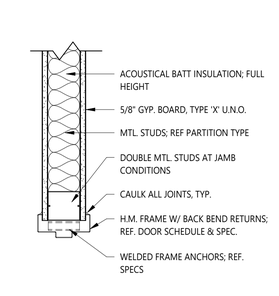
6A INTERIOR AL. AUTOMATIC SLIDE - SILL
SCALE: 1 1/2" = 1'-0"



5A INTERIOR DOOR H.M. - JAMB (BEHAV.)
SCALE: 1 1/2" = 1'-0"



3A INTERIOR H.M. LEAD-LINED - JAMB
SCALE: 1 1/2" = 1'-0"



1A INTERIOR H.M. SWING - JAMB
SCALE: 1 1/2" = 1'-0"

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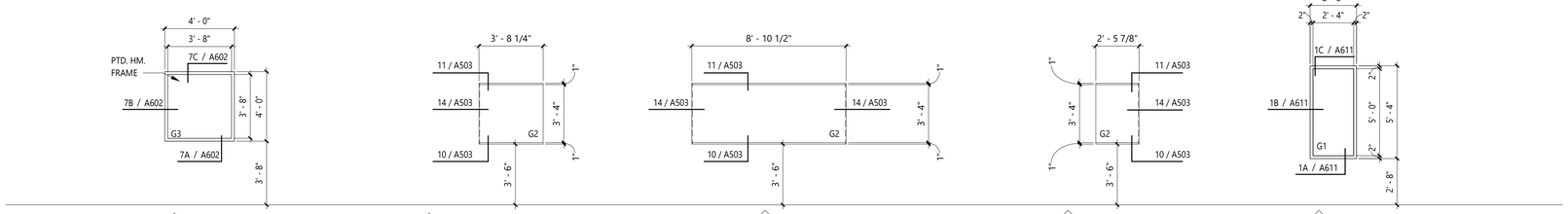
STATE OF FLORIDA
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REGISTERED ARCHITECT
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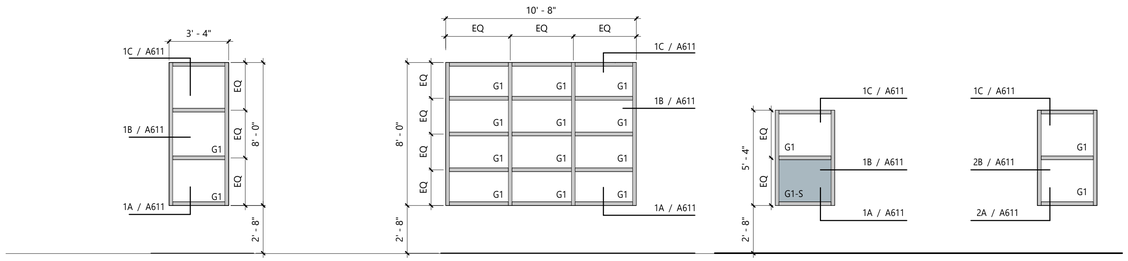
William E. Hereford, III
AR # 96247

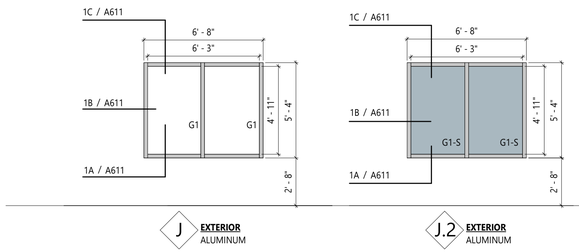
DATES OF ISSUANCE
12/18/2025

TITLE
INTERIOR DOOR & WINDOW DETAILS

SHEET
A602







WINDOW LEGEND
SCALE: 1/4" = 1'-0"

GLAZING LEGEND

G1	GLASS TYPE 1 - 1 5/16" INSULATED LAMINATED GLAZING (1/4" TEMPERED GLASS, 7/16" AIR SPACE. 1/4" HEAT STRENGTHENED GLASS, 0.18" STENRYGLAS INTERLAYER BY KURARAY, 1/4" HEAT STRENGTHENED GLASS)
G1-S	GLASS TYPE 1 (SPANDREL) - 1 5/16" INSULATED LAMINATED GLAZING (1/4" TEMPERED GLASS, 7/16" AIR SPACE. 1/4" HEAT STRENGTHENED GLASS, 0.18" STENRYGLAS INTERLAYER BY KURARAY, 1/4" HEAT STRENGTHENED GLASS) WITH OPACIFIED CERAMIC FRIT ON #4 SURFACE
G2	GLASS TYPE 2 - 1/4" TEMPERED GLAZING
G3	GLASS TYPE 3 - REFER TO PHYSICIST REPORT FOR EQUIVALENT LEAD SHIELDED GLAZING
G4	GLASS TYPE 4 - 1/2" POLYCARBONATE SECURITY GLAZING ON ROOM SIDE, INTEGRAL BLINDS, 1/4" TEMPERED ON CORRIDOR SIDE
G5	GLASS TYPE 5 - CERAMIC FIRE RATED GLAZING
G6	GLASS TYPE 6 - TEMPERED WITH INTERNAL WINDOW BLINDS

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REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

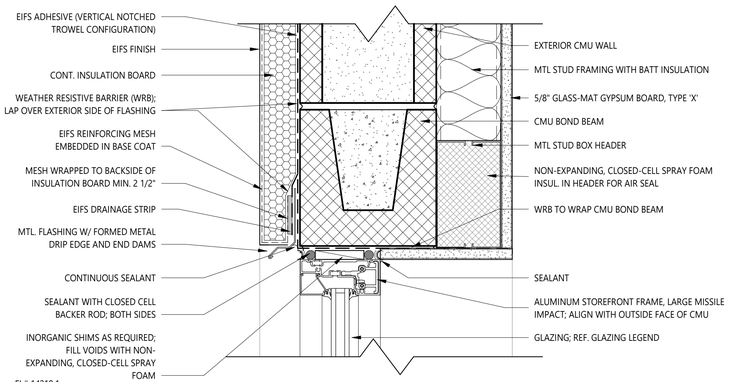
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TITLE
WINDOW SCHEDULE

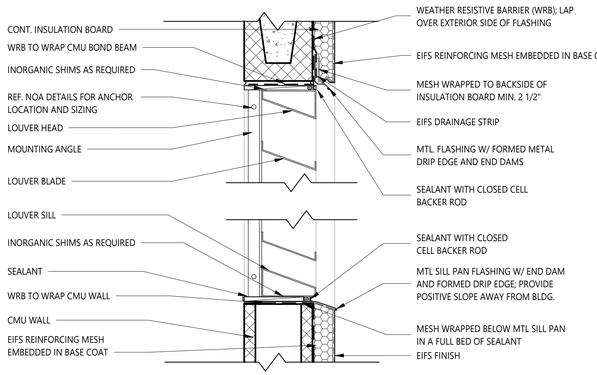
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A610

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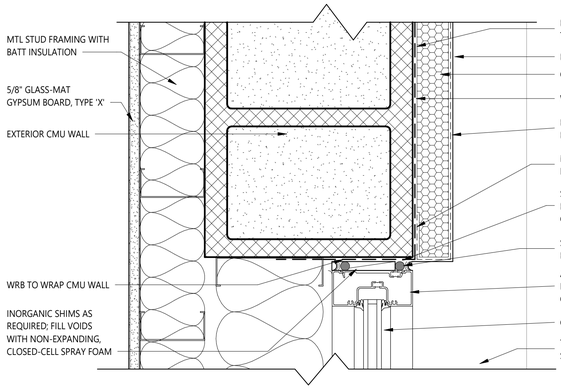
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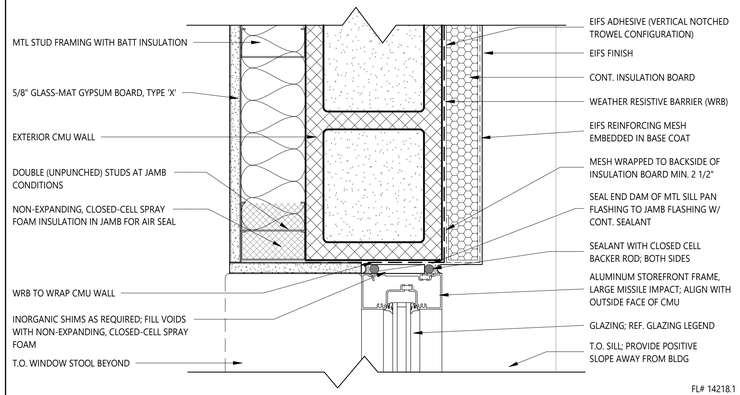
1C WINDOW (ALUMINUM) - HEAD AT EIFS
SCALE: 3" = 1'-0"



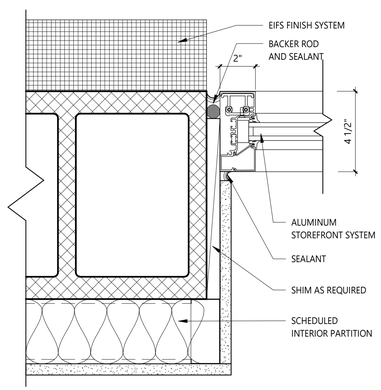
4 H.M. LOUVER - HEAD/SILL @ EIFS
SCALE: 1 1/2" = 1'-0"



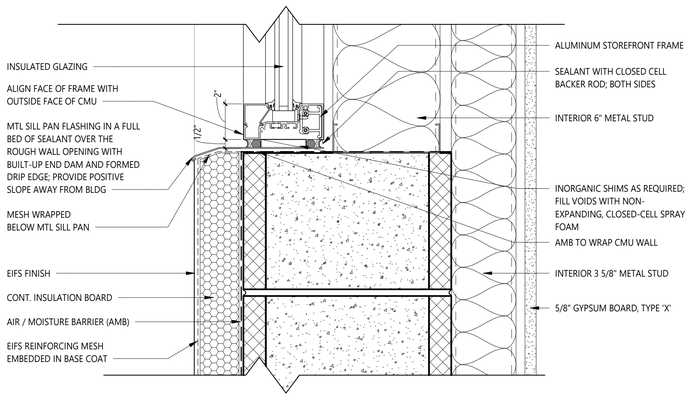
2B WINDOW (ALUMINUM) - JAMB AT EIFS (SPANDREL)
SCALE: 3" = 1'-0"



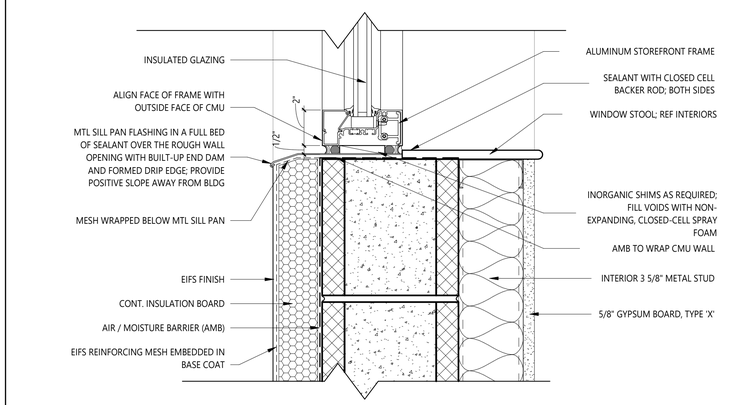
1B WINDOW (ALUMINUM) - JAMB AT EIFS
SCALE: 3" = 1'-0"



3 ALUMINUM STOREFRONT JAMB AT EIFS
SCALE: 3" = 1'-0"



2A WINDOW - SILL AT EIFS (SPANDREL)
SCALE: 3" = 1'-0"



1A WINDOW - SILL AT EIFS
SCALE: 3" = 1'-0"

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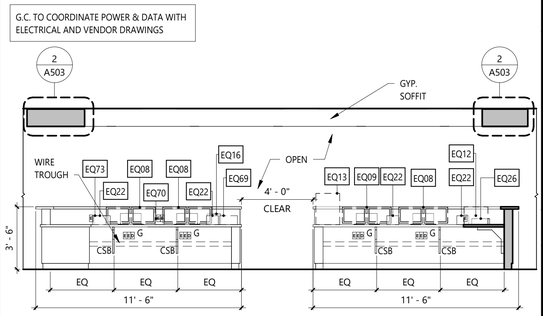
William E. Hereford, III
AR # 96247

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TITLE
EXTERIOR WINDOW DETAILS

SHEET
A611

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2A NURSE STATION 104
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

######	OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.
EQ##	EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	NC	NURSE CALL
BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
N	NORMAL POWER	ZV	ZONE VALVE BOX

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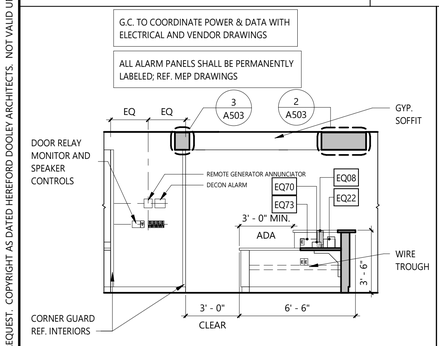


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AR # 96247

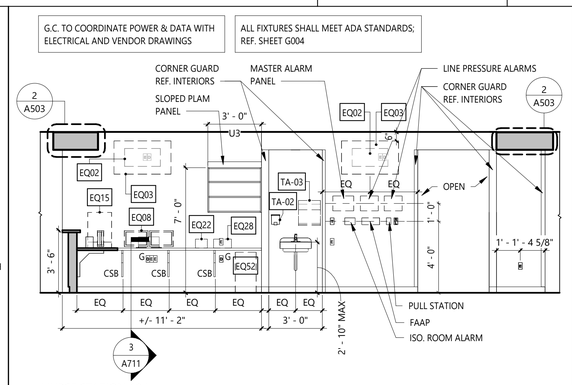
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SHEET TITLE: INTERIOR ELEVATIONS

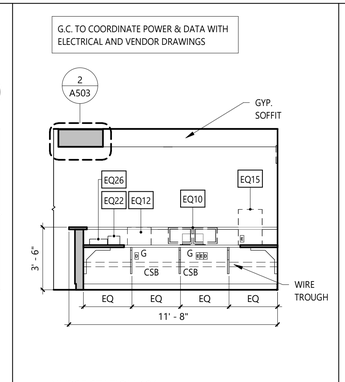
SHEET: A700



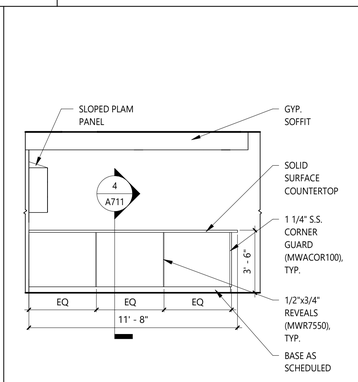
2B NURSE STATION 104
SCALE: 1/4" = 1'-0"



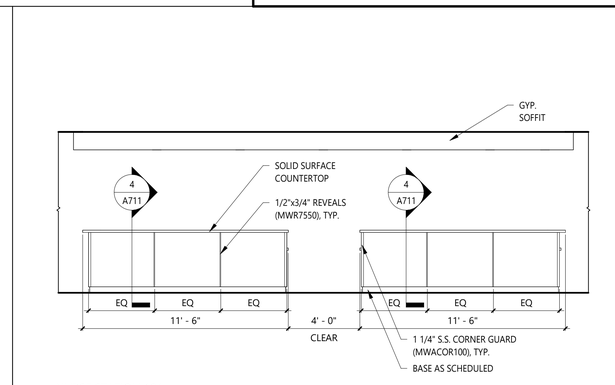
2C NURSE STATION 104
SCALE: 1/4" = 1'-0"



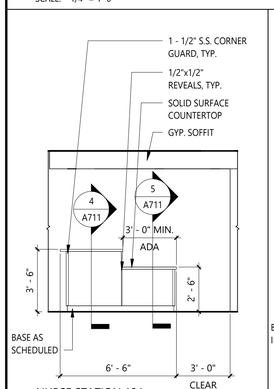
2D NURSE STATION 104
SCALE: 1/4" = 1'-0"



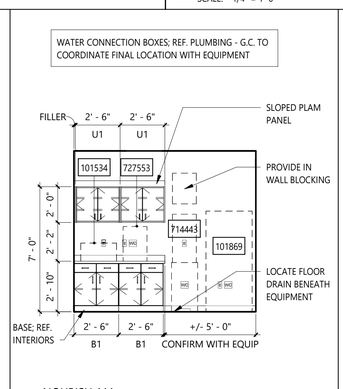
2E NURSE STATION 104
SCALE: 1/4" = 1'-0"



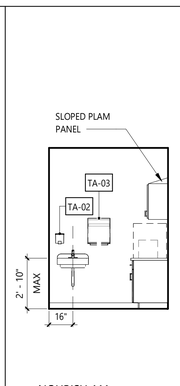
2F NURSE STATION 104
SCALE: 1/4" = 1'-0"



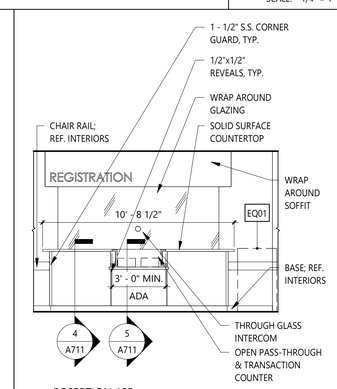
2G NURSE STATION 104
SCALE: 1/4" = 1'-0"



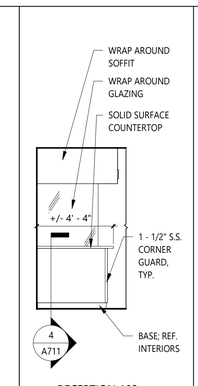
3A NOURISH 111
SCALE: 1/4" = 1'-0"



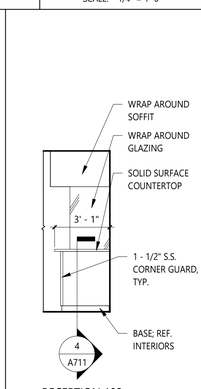
3B NOURISH 111
SCALE: 1/4" = 1'-0"



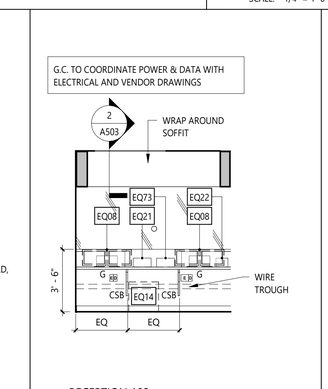
4A RECEPTION 102
SCALE: 1/4" = 1'-0"



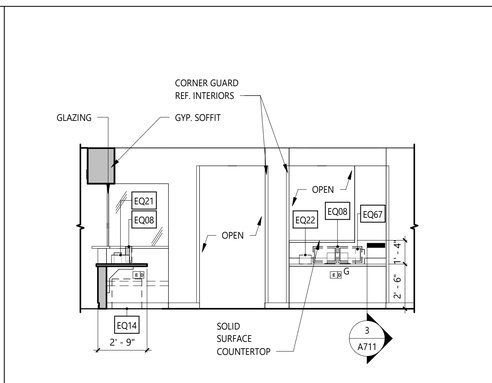
4B RECEPTION 102
SCALE: 1/4" = 1'-0"



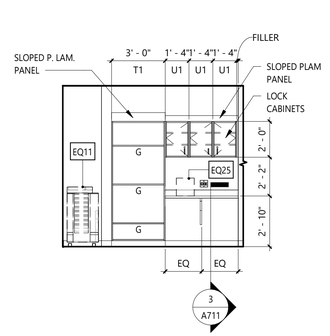
4C RECEPTION 102
SCALE: 1/4" = 1'-0"



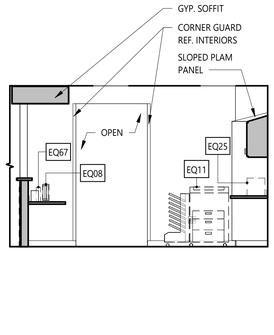
4D RECEPTION 102
SCALE: 1/4" = 1'-0"



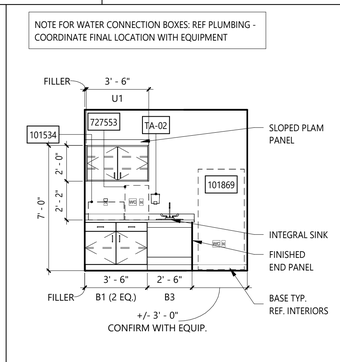
4E DICTATION 105 & RECEPTION 102
SCALE: 1/4" = 1'-0"



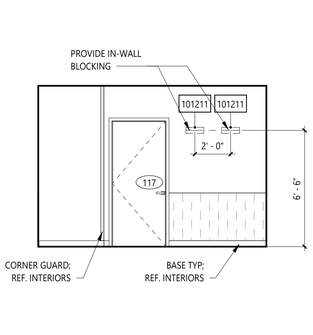
4F DICTATION 105
SCALE: 1/4" = 1'-0"



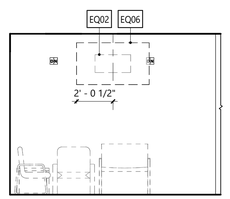
4G DICTATION 105
SCALE: 1/4" = 1'-0"



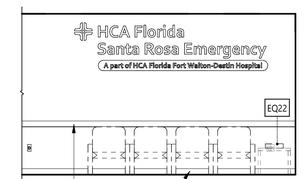
5 EMS LOUNGE 117
SCALE: 1/4" = 1'-0"



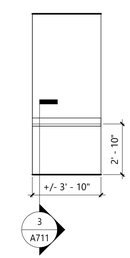
6 RECEIVING 108
SCALE: 1/4" = 1'-0"



7A WAITING ROOM 101
SCALE: 1/4" = 1'-0"

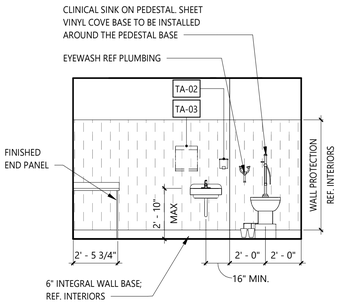


7B WAITING ROOM 101
SCALE: 1/4" = 1'-0"

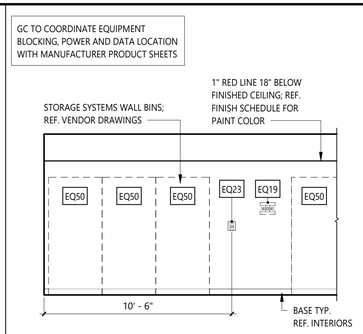


8 COORIDOR 152
SCALE: 1/4" = 1'-0"

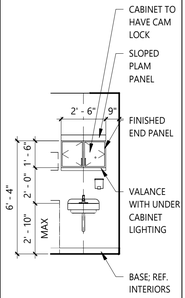
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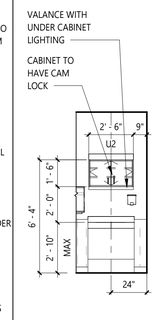
1 SOILED WORKROOM 128
SCALE: 1/4" = 1'-0"



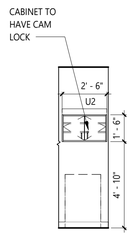
2 CLEAN SUPPLY 157
SCALE: 1/4" = 1'-0"



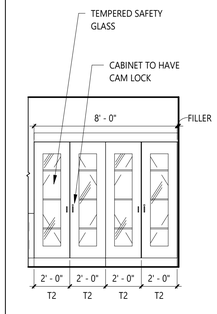
3A EXAM CASEWORK, TYPICAL
SCALE: 1/4" = 1'-0"



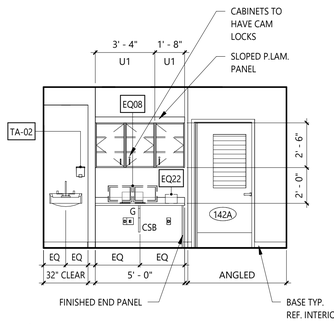
3B EXAM CASEWORK, IOS
SCALE: 1/4" = 1'-0"



3C EXAM CASEWORK, BEHAV.
SCALE: 1/4" = 1'-0"



3D EXAM CASEWORK, RESUS.
SCALE: 1/4" = 1'-0"



4A TRIAGE 142
SCALE: 1/4" = 1'-0"

GENERAL NOTES

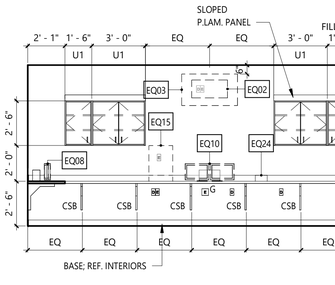
1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST AND OWNER-FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

— OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER FURNISHED EQUIPMENT (OFE) MANUAL FOR SPECIFICATIONS.

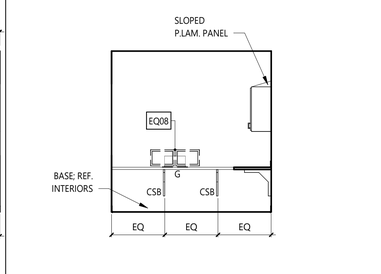
EQ## — EQUIPMENT AND ACCESSORIES DESIGNATION. GC TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MANUAL AND OWNER.

EQUIPMENT ABBREVIATION LEGEND

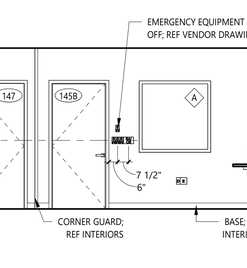
A	MEDICAL AIR	NC	NURSE CALL
BC	BED CONNECTOR	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER	RL	REMOTE LOCKDOWN
D	NETWORK CONNECTION / DATA	S	SLIDE
DR	DOOR STOP	SS	STAFF STATION
DS	DUTY STATION	T	THERMOSTAT
E	EMERGENCY POWER	UCL	UNDER CABINET LIGHTING
LPA	LINE PRESSURE ALARM	V	VACUUM
LS	LIGHT SWITCH	WC	WATER CONNECTION BOX
N	NORMAL POWER	ZV	ZONE VALVE BOX



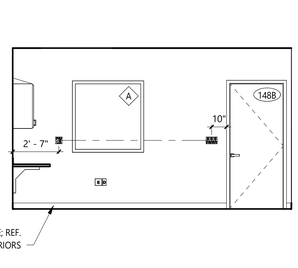
4B TRIAGE 142
SCALE: 1/4" = 1'-0"



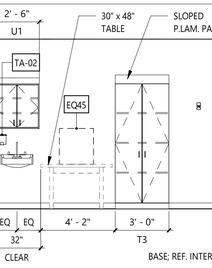
5A MEDS 151
SCALE: 1/4" = 1'-0"



5B MEDS 151
SCALE: 1/4" = 1'-0"

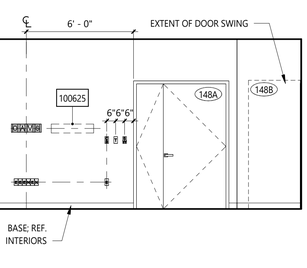


5C MEDS 151
SCALE: 1/4" = 1'-0"



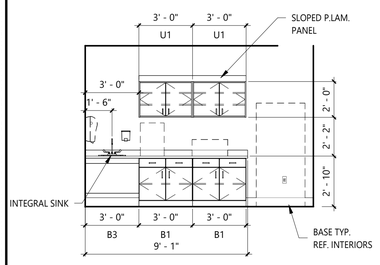
5D MEDS 151
SCALE: 1/4" = 1'-0"

GC TO COORDINATE POWER & DATA WITH ELECTRICAL AND VENDOR DRAWINGS

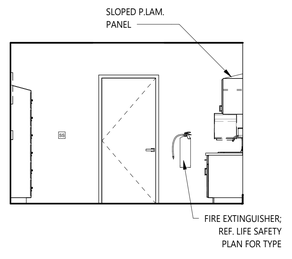


6A PHARMACIST OFFICE 163
SCALE: 1/4" = 1'-0"

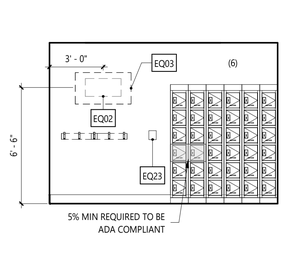
NOTE FOR WATER CONNECTION BOXES: REF PLUMBING - COORDINATE FINAL LOCATION WITH EQUIPMENT



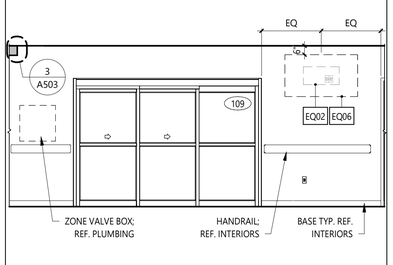
7A STAFF LOUNGE 127
SCALE: 1/4" = 1'-0"



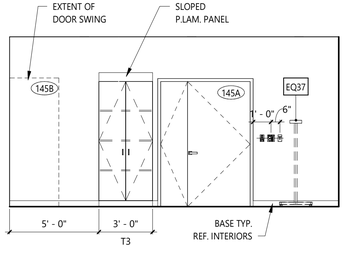
7B STAFF LOUNGE 127
SCALE: 1/4" = 1'-0"



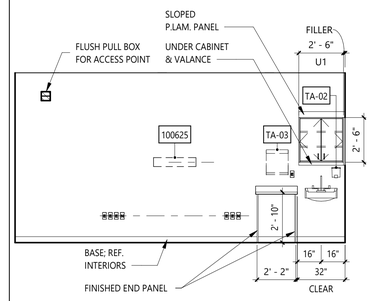
7C STAFF LOUNGE 127
SCALE: 1/4" = 1'-0"



8 CORRIDOR 113
SCALE: 1/4" = 1'-0"



9A X-RAY 145
SCALE: 1/4" = 1'-0"



9B X-RAY 145
SCALE: 1/4" = 1'-0"

GC TO COORDINATE POWER & DATA WITH ELECTRICAL AND VENDOR DRAWINGS

11A C.T. 148
SCALE: 1/4" = 1'-0"

11B C.T. 148
SCALE: 1/4" = 1'-0"

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HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

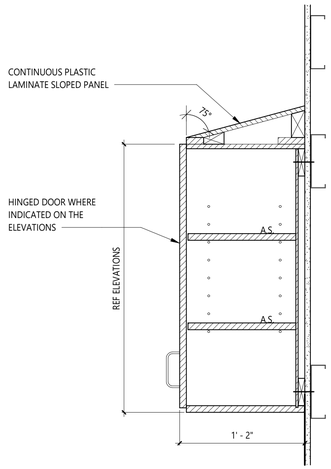
William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025
△

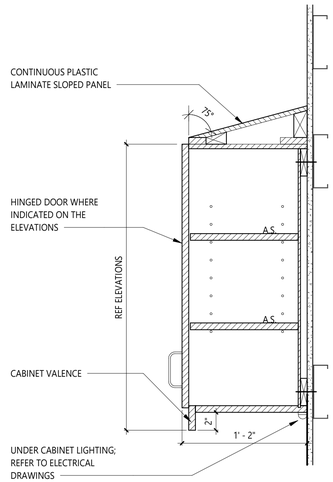
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SHEET: A701

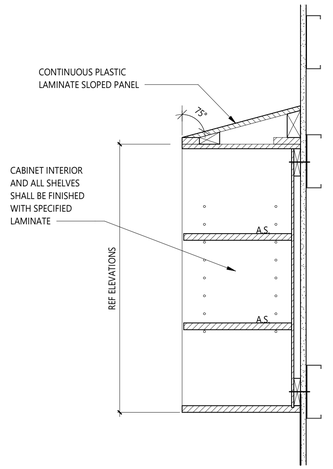
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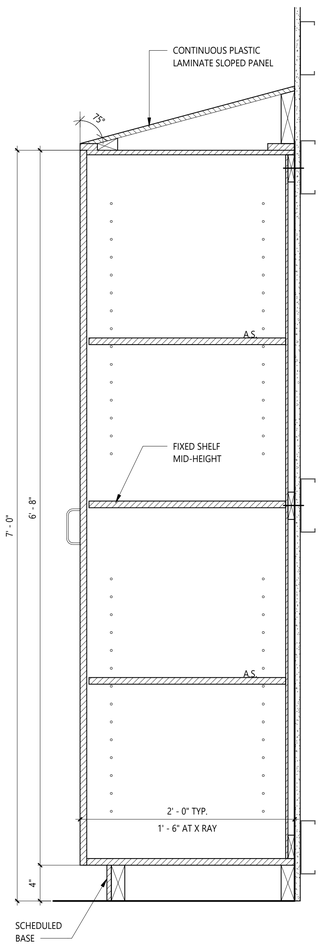
UPPER CABINET - U1



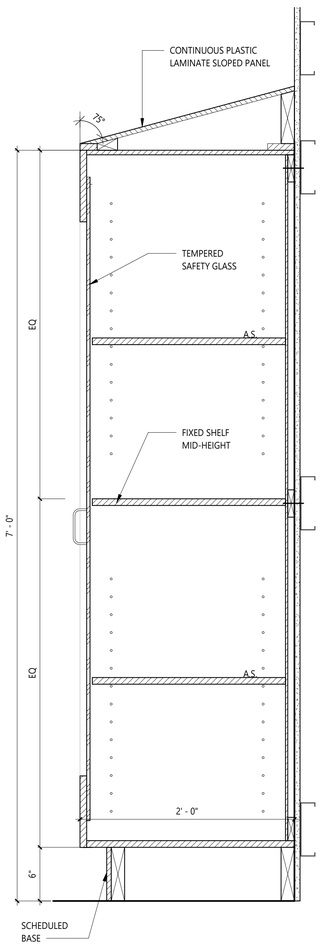
UPPER CABINET - U2



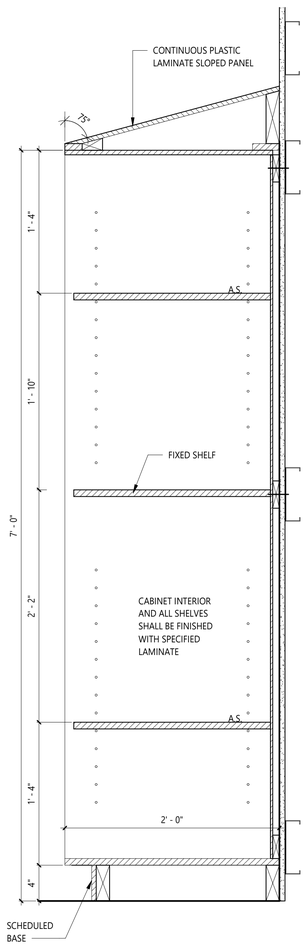
UPPER CABINET - U3



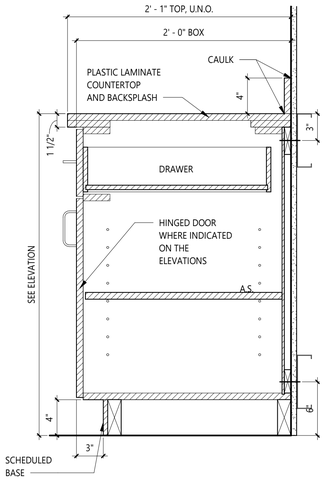
TALL CABINET - T3



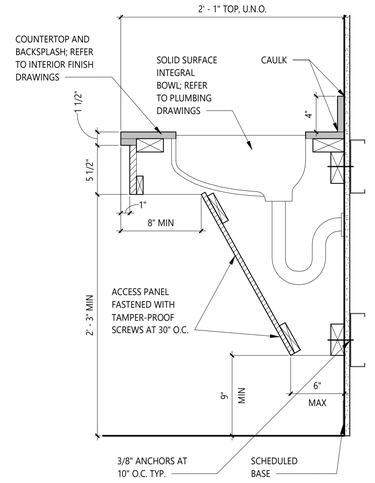
TALL CABINET - T2



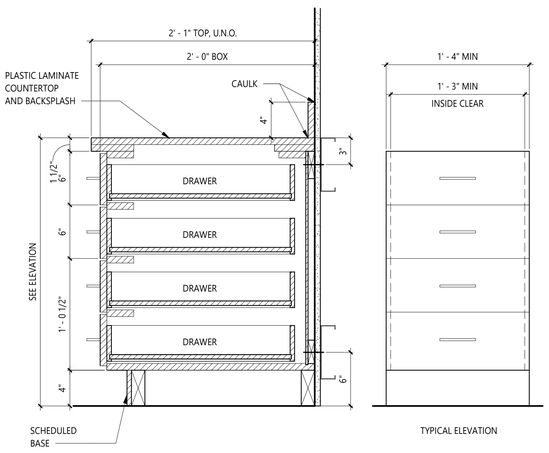
TALL CABINET - T1



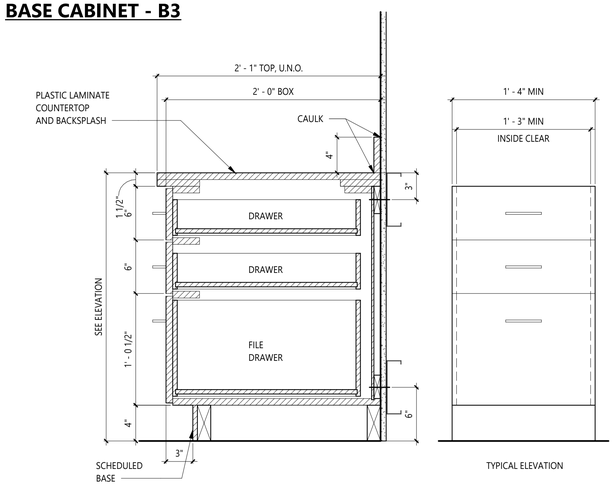
BASE CABINET - B1



BASE CABINET - B3



BASE CABINET - B4



BASE CABINET - B2

1 CASEWORK SECTIONS 1
SCALE: 1 1/2" = 1'-0"

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William E. Hereford, III
AR # 96247

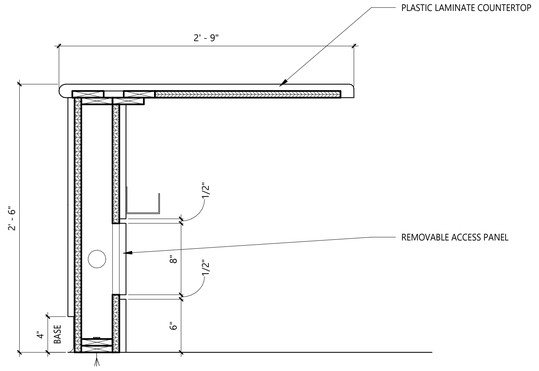
DATES OF ISSUANCE
12/18/2025

SHEET TITLE: CASEWORK SECTIONS AND DETAILS

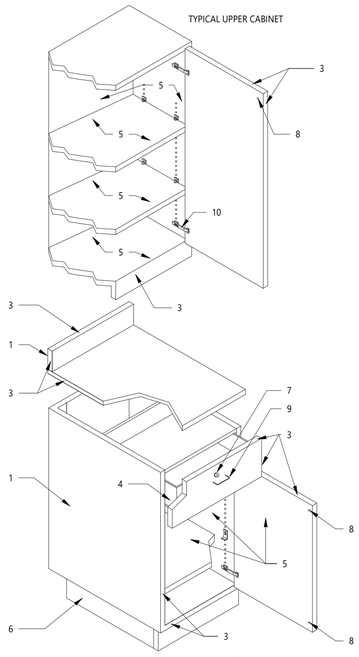
SHEET: A710

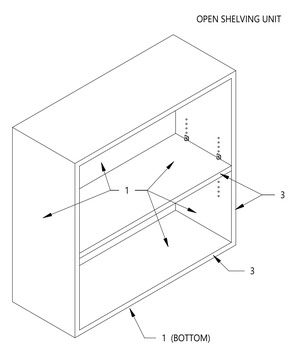
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5 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



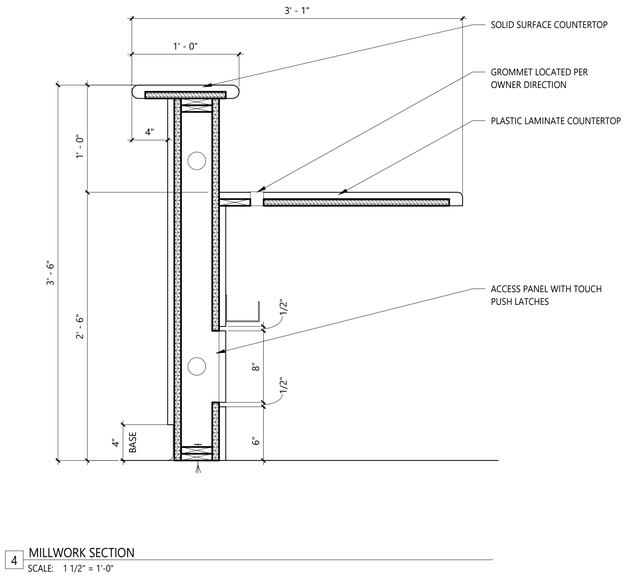


CASEWORK LEGEND

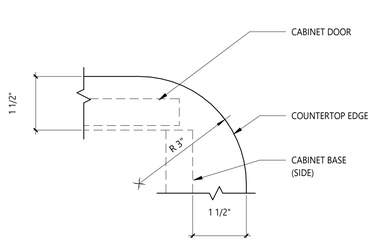
1	LAMINATE GP-28 (.028")
2	LAMINATE GP-42 (.042")
3	3 MM PVC TRIM
4	DRAWER BOX
5	WHITE MELAMINE
6	PLYWOOD
7	LOCK
8	SILENCER TAB
9	PULL
10	DOOR HINGES

NOTE:
THE CABINETS DEPICTED HERE ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO CASEWORK ELEVATIONS AND SECTIONS FOR SPECIFIC DESIGN INTENT.

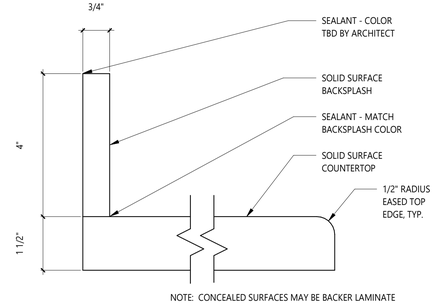
1 PLASTIC LAMINATE CASEWORK AXONOMETRIC
SCALE: 1/4" = 1'-0"



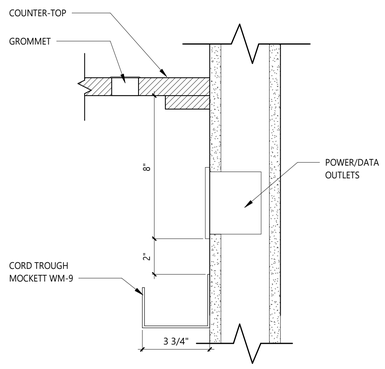
4 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



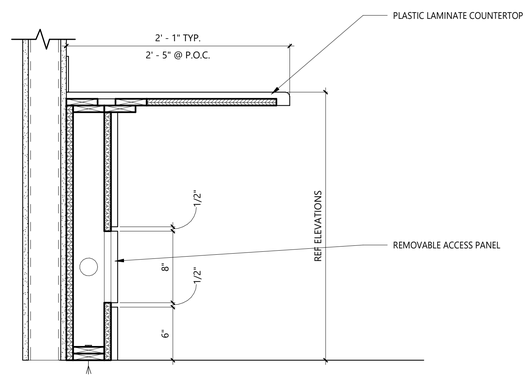
COUNTERTOP CORNER DETAIL



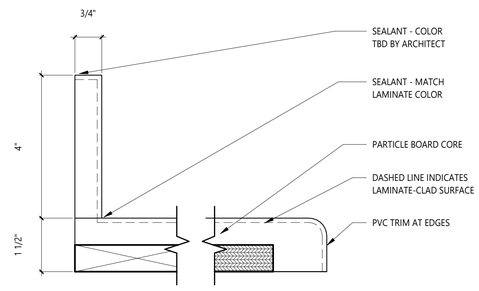
COUNTERTOP DETAIL (SOLID SURF. TYP.)



6 CABLE TROUGH DTL
SCALE: 3" = 1'-0"



3 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



COUNTERTOP DETAIL (P.LAM. TYP.)

2 CASEWORK DETAILS
SCALE: 6" = 1'-0"

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NASHVILLE · TENNESSEE · 37210
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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FLORIDA 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
12-18-2025

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
12/18/2025

TITLE: CASEWORK SECTIONS AND DETAILS

SHEET: A711

GENERAL FINISHES & NOTES

MATERIAL CONTACTS

Please contact the following representatives for special pricing.

MANUFACTURER	TYPE OF FINISH	NAME, PHONE NUMBER, EMAIL
APCO	Signage	Tom Crowe 615.259.9006 tcrowe@apcosigns.com
Armstrong Ceilings	Ceiling	Jen Bartlett 717.396.4325 HCA@armstrong.com HPG#6924
Bennu	Signage	Tony Hatchell 615.226.4577 tony@bennusigns.com
Claridge	Marker Boards	Jeff Alldredge 800.241.4650 jeffalldredge@oedreps.com
Corian	Solid Surface	Chris Carlisle 629.224.7179 ccarlisle@oldenkamp.com
Daltile	Ceramic Tile	Olivia Hunt 248.497.3223 olivia.hunt@daltile.com
Draper Shade	Window Shades	Matt Schultz mschultz@draperinc.com
Grifform	Solid Surface Transition	www.grifform.com
Innerface	Signage	Lee Apple 770.921.5566 lapple@innerfacesign.com
Ferguson/Inpro	Shower Pan	Randy Akin 615.316.1853 hca@ferguson.com HPG# 59999
InPro Corporation	Wall Protection and Signage	Anthony Collins 615.734.9465 acollins@inprocorp.com HPG# 44661
Logistic Solutions	Floor Purchasing	Logistics Solutions LLC customersvc@logisolutions.net 615.750.2014
Mannington	Base, Chair Rail, and Flooring	Terri Bailey 615.427.8980 terri.bailey@mannington.com HPG#5468
Pecora	Security Sealant	www.pecora.com
Penco (Storage Systems)	Lockers	Bill Kreager 888.614.0004 bkreager@storagesystemsul.com HPG Contract# 500166
Schluter Systems	Metal Trim	Jack Leblanc 225.483.2758 jleblanc@schluter.com
Shaw	Carpet	Ashley Hart 615.878.2293 ashley.hart@shawcontract.com HPG#500169
Sherwin Williams	Interior Paint	Andrew Flippin Andrew.flippin@sherwin.com HPG#5893
Wilsonart	Plastic Laminate	Chris Fleming 615.292.2188 fleming2@wilsonart.com

CEILINGS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
ACT1	Acoustical Ceiling Tile	Waiting, Public Corridors, Exams, Vestibules	Armstrong	"Ultima Healthzone" 1935 Fine Texture 24" x 24" x 3/4" Square Lay-In with 15/16" Prelude XL Grid, Factory Painted White NRC: 0.70, CAC: 38 *Provide Hold Down Clips at Entry Vestibule 100 & Ambulance Vestibule 108.
ACT2	Acoustical Ceiling Tile	Lab, Soiled Utility	Armstrong	"Clean Room VL Unperforated" 868 Smooth Texture 24" x 24" x 5/8" Square Lay-In with 15/16" Clean Room Grid, Factory Painted White CAC: 40
EXP	Exposed Ceiling	See Finish Plans		
GYP	Gypsum Board Ceiling	See Finish Plans		

METAL TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
SCH1	Tile Edge Trim	Walls - Tile	Schluter Systems	JOLLY Stainless Steel V2A Finish: Brushed Nickel Anodized
SCH2	Wall Tile to Resilient Flooring	Walls - Tile	Schluter Systems	DILEX-AHKA Aluminum Finish: Cream Note: Utilize corresponding end caps.

WALLS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
CR1	Rubber Chair Rail	Walls - Waiting, Wheelchair Alcove, & Corridor	Mannington	Style: Edge Effects Chair Rail 650 - Effectual Color: 597 Mocha Size: 4"H, 8' lengths Adhesive: **Manufacturer Recommended** Mounting Height: 30" A.F.F. from bottom of chair rail prior to painting. Note: Rail must be installed BEFORE walls are painted. Where Chair Rail ends at Corner Guard, inside corners, or outside corners; miter end at an angle for a finished look. Utilize matching paint to touch up end of rail. Do NOT use pre-molded corners. Refer to Written Specifications.
PWT1	Porcelain Wall Tile	Decon. Walls Up to Ceiling	Daltile	Pattern: Harmonist Color: HM32 Amity, Matte Size: 12" x 12" x 5/16" Grout: Laticrete, Spectralock 2000 IG Grout Color: 90 Light Pewter Grout Joint: 3/16" Installation: Monolithic
EP1	Epoxy Paint	Walls-General	Sherwin Williams	Color: SW7004 Snowbound Formula/Finish: Pro Industrial Water-Based Catalyzed Epoxy Eg-Shel
EP2	Epoxy Paint	Walls - Accent	Sherwin Williams	Color: SW6477 Tidewater Formula/Finish: Pro Industrial Water-Based Catalyzed Epoxy Eg-Shel
EP3	Epoxy Paint	GYP Ceilings	Sherwin Williams	Color: SW7007 Ceiling Bright White Formula/Finish: Pro Industrial Water-Based Catalyzed Epoxy Eg-Shel
EP4	Epoxy Paint	Behavioral Exam "Base"	Sherwin Williams	Color: SW7046 Anonymous Formula/Finish: Pro Industrial Water-Based Catalyzed Epoxy Eg-Shel
P1	Wall Paint	Walls - General	Sherwin Williams	Color: SW7004 Snowbound Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P2	Wall Paint	Walls - Accent	Sherwin Williams	Color: SW6477 Tidewater Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P3	Wall & Soffit Paint	Walls - Accent	Sherwin Williams	Color: SW0017 Calico Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P4	Ceiling Paint	GYP Ceilings	Sherwin Williams	Color: SW7007 Ceiling Bright White Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P5	Metal Paint	Metal Doors, Views, & Frames	Sherwin Williams	Color: SW7046 Anonymous Formula/Finish: Pro Industrial Acrylic Semi-Gloss
P6	Wood Paint	Wood Door Window Views	Sherwin Williams	Color: SW7046 Anonymous Formula/Finish: Pro Industrial Acrylic Semi-Gloss
P7	Detail Paint	Storage Rooms	Sherwin Williams	Color: SW6868 Real Red Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
CWT1	Ceramic Wall Tile	Restrooms	Daltile	Pattern: Color Wheel Classic Color: White 0100, Semi-Gloss Size: 3" x 6" x 5/16" Grout: Laticrete, Spectralock Pro Premium Grout Color: 90 Light Pewter Grout Joint: 1/16" Installation: See "TILE" Section
CWT2	Ceramic Wall Tile	Restrooms, Resuscit-ation Exam	Daltile	Pattern: Color Wheel Classic Color: Architectural Gray 0109, Semi-Gloss Size: 3" x 6" x 5/16" Grout: Laticrete, Spectralock Pro Premium Grout Color: 90 Light Pewter Grout Joint: 1/16" Installation: See "TILE" Section
CWT3	Ceramic Wall Tile	Wheelchair Alcove - Water Fountain	Daltile	Pattern: Revalia Remix Color: Celebration Teal RV11 Size: 2" x 6" x 3/8", Beveled Mosaic Grout: Laticrete, Spectralock Pro Premium Grout Color: 90 Light Pewter Grout Joint: 1/8" Installation: See "TILE" Section

CASEWORK

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
PL1	Plastic Laminate	Interior Doors, Vertical Casework	Wilsonart	Pattern: 8212K-28 Phantum Ecru Finish: 28 Gloss Line Finish with AEON
PL2	Plastic Laminate	Plastic Laminate Countertops	Wilsonart	Pattern: 4942-38 Crisp Linen Finish: 38 Fine Velvet Texture Edgebanding: To Match Edge Profile: Eased with 1-1/2" Apron
PL3	Plastic Laminate	P.O.C. Laboratory Countertops	Wilsonart	Chemsurf Chemical Resistant Laminate 390 Pattern: 1500-60 Grey Finish: 60 Matte Edgebanding: To Match Edge Profile: Eased with 1-1/2" Apron
SS1	Solid Surface	Solid Surface Countertops	Corian	Color: Glacier White Thickness: 1/2" Edge Profile: Eased with 1-1/2" Apron
SS2	Solid Surface	Window Stools, Wall Caps, Integral Sinks	Corian	Color: Glacier White
SS3	Solid Surface	Shower Pan	Ferguson/ Inpro	Color: Bright White Note: See Plumbing specifications for more information.

BASE/TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
CTB1	Ceramic Tile Base - Factory Coved	Decon.	Daltile	Pattern: Keystones MB5A Color: Architectural Gray D109, Matte Size: 2" x 2" Build-Up Base Grout: Laticrete, Spectralock 2000 IG Grout Color: 90 Light Pewter Grout Joint: 1/8" Installation: Align with CTF1
SVB1	Integral Sheet Vinyl Base	Sterile Walls	Mannington	Series: BioSpec MD Color: 15364 New Glacier Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842361 Cream. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod.
SVB2	Integral Sheet Vinyl Base	Exam Rooms	Mannington	Series: BioSpec MD Color: 15371 Techno Gray Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842401 Techno Gray. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod.
SVB3	Integral Sheet Vinyl Base	Restrooms	Mannington	Series: Assurance III Color: 16350 Hailstone Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842372 Bright White. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod. See "BASE" Section for Behavioral Toilet information.
RB1	Rubber Base	Walls - General	Mannington	Style: Burkebase Type TP Height: 4"H, 1/8" Thick Color: 597 Mocha Adhesive: **Manufact. Recommended** Notes: Coved and continuous rolls. Miter inside corners. Do NOT use pre-molded outside corners.
RB2	Rubber Base	Walls - Waiting	Mannington	Style: Edge Effects - Sophisticate EESOP Size: 8' L, 4-1/4" H Color: 597 Mocha Adhesive: **Manufact. Recommended** Notes: Miter cut all joints. Utilize clear caulk at locations where gapping has occurred.
PRC1	Pick Resistant Caulk	Chair Rail & Behavioral Areas	Pecora	Series: Dynaflex SC - Flexible Polyurethane Security Sealant Color: Putty Grey

FLOORING

CODE/ KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
C1	Carpet	Floors - Vestibules	Shaw	Style: All Access, 5T412 Jive Tile Color: Transverse 12557 Format: Tile Size: 24" x 24" x 7.47mm Backing: Ecoworx Tile Adhesive: **Manufact. Recommended** Installation: Ashlar
CTF1	Ceramic Tile Floor	Floors - Decon.	Daltile	Style: Keystones Mosaics Color: Architectural Gray D109, Matte Size: 2" x 2" x 1/4" Grout: Laticrete, Spectralock 2000 IG Grout Color: 90 Light Pewter Joint Width: 1/8" Installation: Monolithic Mosaic
LVT1	Luxury Vinyl Tile	Floors - Waiting	Mannington	Style: Spacia - Wood Color: Powdered Oak SS5W3311 Size: 7.25" x 48" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Random Stagger
LVT2	Luxury Vinyl Tile	Floors - Field	Mannington	Style: Spacia - Abstract Color: Java Cloud SS5A4703 Size: 12" x 18" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Ashlar (50% Overlay)
LVT3	Luxury Vinyl Tile	Floors - Accent	Mannington	Style: Spacia - Stone Color: Gibson SS5S2603 Size: 18" x 18" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Ashlar (50% Overlay)
SC	Sealed Concrete	Floors	Sherwin Williams	Style: Armorseal Treadplex Color: Haze Gray Notes: See Architectural specifications for more information.
SVF1	Sheet Vinyl Floor	Floors - Sterile	Mannington	Style: BioSpec MD Color: 15364 New Glacier Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842361 Cream. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*
SVF2	Sheet Vinyl Floor	Floors - Exams	Mannington	Style: BioSpec MD Color: 15371 Techno Gray Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842401 Techno Gray. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*
SVF3	Sheet Vinyl Floor	Floors- Restrooms Slip - Resistant	Mannington	Style: Assurance III Color: 16350 Hailstone Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842372 Bright White. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*

NOTE: ALL FLOORING IS TO BE PURCHASED THROUGH LOGISTIC SOLUTIONS BY THE GENERAL CONTRACTOR. SEE ARCHITECTURAL SPECIFICATIONS FOR MORE INFORMATION.

FLOORING TRANSITION STRIPS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
TS1	Transition Strip	1/8" Resilient to Carpet	Mannington	Finishing Accessories Product: Carpet to Resilient Transition #152 Color: BlackBrown 523
TS2	Transition Strip	LVT to SVF	Mannington	**SVF1:** BioSpec, Weld Rod 842361 Cream **SVF2:** BioSpec, Weld Rod 842401 Techno Gray **SVF3:** Assurance III, Weld Rod 842372 Bright White *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on Weld Rods.*
TS3	Transition Strip	Ceramic to 1/8" Resilient - Decon. 119	Grifform	Ramping TRT 1/8" Bevel Corian Color: Neutral Concrete Note: Must comply with ADA standards. See "FLOORING TRANSITIONS" section for detail note on Ramp size.
TS4	Transition Strip	1/8" Resilient to Concrete	Mannington	Finishing Accessories Product: Tile Reducer 1/8" #633 Color: Sky Gray 663

MISCELLANEOUS

Contractor to provide and install items listed below.

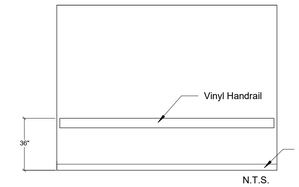
CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
LK1	Lockers	Staff Lounge	Penco Storage Systems	Color: 054 Canvas Notes: See Architectural specifications for more information on style and sizing.
W1	Window Shades	Exam Rooms & Staff Areas	Draper Shade	Style: Clutch Operated Flexshade Shade Series: SunBloc SB9000 RD Color: Oyster SB9070 Opacity: 100% Operation: Manual Mount: Inside Fascia Color: Clear Anodized Chain: Stainless Steel Bead (40lbs.) Bead Chain Hold Down: Spring-Loaded Tensioner complying with ANSI/WCMA A 100.1-2022 safety standard. Regular Roll: 1.5" minimum tube Shade Slat: Concealed slat bar with heat sealed hem Notes: See Architectural sheets for window elevations and sizes. **FIELD MEASURE** before production.
W2	Window Shades	Public Areas	Draper Shade	Style: Clutch Operated Flexshade Shade Series: SheerWeave SW2703 Color: Oyster P12 Percent of Openness: 3% Operation: Manual Mount: Inside Fascia Color: Clear Anodized Chain: Stainless Steel Bead (40lbs.) Bead Chain Hold Down: Spring-Loaded Tensioner complying with ANSI/WCMA A 100.1-2022 safety standard. Regular Roll: 1.5" minimum tube Shade Slat: Concealed slat bar with heat sealed hem Notes: See Architectural sheets for window elevations and sizes. **FIELD MEASURE** before production.
MB1	Marker Boards	Exam Rooms	Claridge	Style: Trimline Plus, TL1824-75 Satin Anodized Trim 18" x 24"

WALL PROTECTION ITEMS

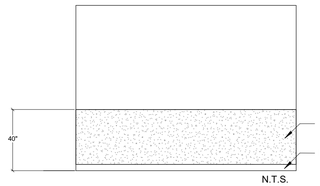
CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard 2"	Corners - 90 degree	InPro	Style: 160BN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
⌴	Corner Guard 2"	Corners - End Wall Protector	InPro	Style: 160DBN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
◉	Corner Guard 2"	Corners - Reception	InPro	Style: 160BN Color: 0238 Feather Retainer: Vinyl Height: 36" Notes: Install above wall base. Utilize top and bottom caps.
▲	Corner Guard 3"	Corners - Odd Angle	InPro	Style: 130BN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
	Bumper Rail - Vinyl	See plans	InPro	Style: 1300 with Mounting Cushion Height: 4-1/16" Vinyl Color: 0238 Feather
	Crash Rail - Vinyl	See plans	InPro	Style: 1600 Height: 6" Vinyl Color: 0238 Feather
	Handrail - Vinyl	See plans	InPro	Style: 800 Height: 5-1/2" Vinyl Color: 0351 River Rock
	Rigid Sheet - Vinyl	See plans	InPro	Style: Palladium Rigid Vinyl Sheet Wall Protection Thickness: 0.060" Texture: Velvet Vinyl Color: 0238 Feather Notes: Utilize vinyl trim top cap only. Color match caulk at all vertical seams with vinyl seal caulk. DO NOT APPLY RIGID SHEET TO ANY EXTERIOR WALL.

WALL PROTECTION CONFIGURATIONS

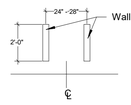
WP1. Handrail to be mounted at 36" A.F.F. to top of rail. Handrail is to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.



WP2. Sheet wall protection to be adhered to wall, with top of sheet at 40" A.F.F. Locations with rubber base, the base is ONLY to overlap the sheet by 1/4". Locations with sheet vinyl base, the sheet is to sit firmly on top of the cove cap and caulked with color-matched caulked.



WP3. Wall Guards are to be placed vertically. See Wall Protection Plan for locations. See Architectural sheets for further details on placement. GC is to confirm that final rail mounting widths and heights coordinate with specified bed/stretcher model.

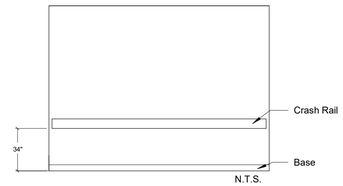


WP4. Sheet wall protection to be adhered to wall & to sit firmly on top of cove cap. Color-match caulk to base. Full 4'-0"W x 8'-0"H sheets are to be installed vertically.

WP5. Sheet wall protection to be adhered to wall, with top of sheet at 30" A.F.F. The rubber base is ONLY to overlap the sheet by 1/4". Chair Rail to be placed at the top of Rigid Sheet. Chair Rail to be installed by others prior to the application of wall protection and paint.



WP6. Crash Rail is to be mounted at 34" A.F.F. to bottom of rail. Rails to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.



GENERAL WALL PROTECTION NOTE: DO NOT APPLY SHEET WALL PROTECTION TO ANY EXTERIOR WALL

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PROJECT # 225014.00
CLIENT #3090900030

SANTA ROSA FSER
HWY 98, FORT WALTON BEACH, FL 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MARWALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS



Rebecca Guittar Donner
ID # 0004305

DATES OF ISSUANCE
12/18/2025
△

TITLE: GENERAL FINISHES AND NOTES

SHEET: F0.1

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GENERAL FINISHES & NOTES

GENERAL NOTES

1. All work shall be guaranteed against defect for one year.
2. All contractors shall visit jobsite and become familiar with existing conditions before submitting bids and/or proceeding with any work. Submission of bid indicates that the contractor has verified existing conditions.
3. The drawings attached have been developed from record drawings which may not reflect actual field conditions. In no case shall dimensions be scaled from drawings. The contractor shall verify all conditions and architect/designer shall be notified of any discrepancies or conflicts with dimensions in the field before proceeding with subsequent work. Review drawings for clarification prior to proceeding with work.
4. Thoroughly clean all light lens and ceiling air diffusers after construction work is complete.
5. Caulk all plumbing fixtures, millwork and trim to adjacent surfaces. Color of caulk to be clear.
6. All parties responsible for delivering finishes to the site should check quantities and delivery dates as soon as bid is awarded to avoid any reselections of material.
7. The General Contractor shall carefully study and compare the documents and finish plans and shall at once report to the architect any error, inconsistency or omission he may discover.
8. All furniture is to be owner furnished, owner installed.
9. For all products installed, note industry standards and manufacturer specifications for installation.
10. All interior wall, ceiling, and trim finishes meet a Class A flame spread rating of 25 or less and have a smoke development of 250 or less.
11. All interior flooring meets Class I and II flame spread ratings.
12. All flooring at means of egress and wet areas shall meet minimum slip-resistance requirements of relevant ANSI and ASTM test methods, in accordance with building codes, ADA guidelines, and local and state AHJs.
13. Final Clean Up: The contractor shall coordinate with the project schedule to make certain that all housekeeping cleanup items are done prior to the move-in. This would include wiping down, cleaning glass, washing, waxing, vacuuming, or any other services which would be performed under the contractor's maintenance cleaning programs. Upon completion of work, all waste material, rubbish, tools, construction equipment, machinery and other surplus materials shall be removed from the site.
14. **NO SUBSTITUTIONS OF SPECIFIED FINISHES WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE INTERIOR DESIGNER.**

A: GENERAL FINISHES

1. Refer to attached drawings for further clarification of work to be performed and/or for floor plan layout of facility.
2. Contractor is to provide "surplus stock" as noted below. Surplus stock shall be provided on each different product manufacturer, style, color, and finish specified. Refer to Written Specifications section in the Project Manual (if applicable) for additional information. Final payment shall not be made until stock is delivered.

   Ceiling Tile: Provide 1 (one) full carton for each product type used.
   Interior Paint: Provide 1 (one) gallon per type/color/finish. Each container MUST have the formula clearly indicated.
   Luxury Vinyl Tile: Provide 1 (one) box of each color specified.

3. **Submittal Requirements:**
   Contractor is to provide submittals to the Interior Designer for approval prior to fabricating or purchasing materials. All submittals are to be clearly marked with manufacturer, style, color, and Finish Material legend code.
   3.1 Electronic submittals are acceptable for all product data, shop drawings, and samples. **The following items require physical samples, no exceptions**:
   - Paint Drawdowns
   - Wall Protection color samples
   - Sheet Vinyl and Weld Rods

   3.2 For remaining finish samples, a photo of the front of sample, as well as manufacturer label, is required.
4. To avoid variances and dye lot issues, the full amount of project finish materials need to be purchased at one time.
5. Wood grain laminates are to have the grain running in a vertical direction, unless otherwise noted in architectural casework drawings.
6. Interior Architectural Door Material and Proximity Cabinets are to be: Plastic Laminate.
   6.1 Door and cabinet finish is to be: PL1.
7. The window stool and wall cap material is to be: Solid Surface.
   7.1 The window stool and wall cap finish is to be: SS2.
8. The locker material is to be: Metal.
   8.1 The locker finish is to be: LK1.
9. Finish drywall to floor in Behavioral Exam.

B: CEILINGS

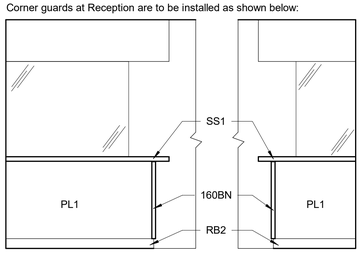
1. When installing lay-in ceilings, lay out grid in room so that cut tiles at perimeter are no less than 9" wide.
2. GYP ceilings are to be painted with EP3 unless otherwise noted on finish plan.
3. Edges of cut ceiling tiles to be painted with Armstrong 5761 Touch-Up Paint.
4. The ceilings in Laboratory and Soiled Workroom must be gasketed to maintain negative pressure.

C: PAINT

1. Prior to the application of paint, the contractor is to repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish. Prepare door frames or metal surfaces by sanding by chips/burrs, filling dents and caulking cracks at corners as required.
2. Miscellaneous metal (return and air supply grilles, expansion joints, etc) located on wall surface is to be painted to match the adjacent wall color.
3. The contractor is to submit one paint sample of each paint color in the appropriate finish to the Interior designer for approval prior to purchasing paint. Samples are to be painted on 8.5"x11" card stock. Each sample should have the Finish Material Legend code and color formula clearly indicated, as well as the store location where the paint is to be purchased.
4. When specified in the Finish Plan, provide paint finishes as noted for the surfaces listed below. Refer to written Architectural Paint Specifications section for further information regarding products, primers, etc. If surfaces exist on the job that are not listed, contact the Interior Designer.
5. Caulk all plumbing fixtures, millwork and trim to adjacent surfaces. Caulk to be clear.
6. Acrylic Semi-Gloss Paint to be used at door frames, metals doors, view window sills/frames, shelving, previously painted wood trim and previously painted metal. See F0.1 section for paint information. If surfaces exist on the job that are not listed, contact the Interior Designer. All prefinished store front windows or factory prefinished frames should not be painted unless otherwise directed by the Architect or Interior Designer.
7. Paint all horizontal surfaces on soffits over upper casework to match the vertical wall unless otherwise noted. Soffits indicated to receive accent paint are to be painted on all three sides. THE BOTTOM OF THE SOFFIT IS TO BE PAINTED THE SAME ACCENT COLOR AS THE SOFFIT SIDES, NOT CEILING WHITE.
8. If rubber base is not used, finish drywall to the floor where sealed concrete is the flooring. Contractor is to install a bead of caulk at drywall/concrete transition.
9. All Storage/Supply rooms are to receive a 1" painted horizontal red line 18" from bottom of the sprinkler head around the room, paint color: P7.
10. In IT, COMM or DATA rooms, do not paint the fire retardant plywood or cover/obstruct the fire rating label in any way.

D: WALL PROTECTION

1. Prior to the application of paint, the contractor is to repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish.
2. Utilize caulk at all corner guards and areas where sheet protection meets door frames. Color of caulk to match adjacent wall finish.
3. Do NOT mount wall protection over expansion joints.
4. Handrails shall have a minimum light reflectance value of 30 percentage points in contrast to the wall light reflectance value.
5. All wall protection within sterile areas are to be caulked at all seams and transitions. Color of caulk to match adjacent finish.
6. Corner guards at Reception are to be installed as shown below:



E: SIGNAGE

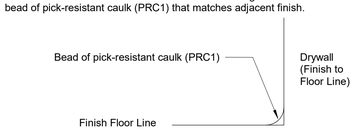
Furnish Interior Signage to the following specifications. See Signage Design Keys for style and color selections:

1. See signage sheets for verbiage schedule, location plan, and sign family.
2. General Contractor to have a 5% allowance for unforseen changes to signage during submittals.
3. Proposed signage manufacturers include: **APCO**, **Innerface**, **Bennu**, and **Inpro**. Proposed sign styles and colors are to be submitted by the vendor (to Interior Designer and Architect) for approval during the C/A submittal process. Contractor should allow adequate time for multiple mark-up/approval cycles before the order is placed.
4. It is the sign vendor's responsibility to meet all local, state, and federal codes.
5. It is the sign vendor's responsibility to create/provide all required vector files.
6. It is the sign vendor's responsibility to create/provide all fire evacuation map graphics and inserts.
7. Signage Requirements:
   - ADA compliant with Braille where required.
   - English and Spanish translations where required.
   - See Signage Design Keys for further requirements.

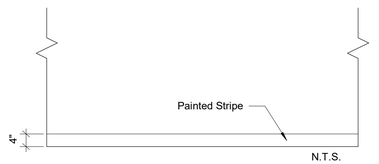
   ***Any changes to the signage must be approved by the HCA project manager.

F: FLOORING

1. All traditional rubber base is to be 4"H, coved, and continuous rolls. Miter inside corners, wrap outside corners of jobsite. Do NOT use pre-molded corners.
2. All sculptured rubber base is to be 4-1/4"H, straight sections. Miter inside and outside corners. Do NOT use pre-molded corners.
3. Utilize caulk at rubber base where base meets door frame. Color of caulk to be clear.
4. Utilize caulk at door frames where the frame meets the flooring. Color of caulk to match door frame.
5. All floors to be taped or coved during construction to protect the material until final completion.
6. Where new floor covering or base is specified, the same flooring or base should extend into any closets, storage areas, etc. adjacent to that space unless otherwise noted.
7. Floor pattern shall extend under any open space under casework or knee-space, even when it appears to stop on plan.
8. Refer to manufacturer's guidelines for floor prep and installation. All flooring adhesives must meet manufacturer's specifications.
9. Manufacturer's recommended adhesive is to be based on application and concrete moisture %.
10. Where specified, sheet vinyl flooring is to be heat welded at seams utilizing manufacturer's sealer. Flash cove material up wall to form self-coved base. Continuous Resilient cove support to be Mannington #070. Aluminum trim to be provided by Powerhold, mill finished anodized 409105 PH 901 MFA.
    ***The EVS floor sink and soiled utility hopper is to receive the 6" Flash Cove as specified above. Sink base must be installed prior to floor installation. Ensure all edges are sealed and caulked for a seamless installation.
11. Apply Mannington's "Seam Coater Pen" to ALL welded seams of sheet vinyl flooring immediately after installation.
12. Where sheet vinyl flooring is used, a proposed seaming diagram MUST be submitted and approved by the Interior Designer.
13. Minimize the amount of seams. Avoid seams extending into a doorway.
14. In the following locations, utilize manufacturer recommended traditional epoxy adhesive:
    - All Patient Room beds receiving sheet vinyl flooring.
15. For HCA projects, all flooring should be purchased and tracked through Logistic Solutions and Mannington. See material contacts section for contact people.
16. Behavioral Exam: Transition between wall and flooring is to be made with a bead of pick-resistant caulk (PRC1) that matches adjacent finish.



17. Behavioral Exam: Paint a 4" starting at floor level, in paint color EP4 around the perimeter of the room in lieu of rubber wall base.



18. At Behavioral Toilet, provide rubber cap (390) square by Mannington, color Sky Gray 663. Utilize PRC1 security sealant where wall tile meets rubber cove cap. PRC1 should also be used where tile meets painted drywall.

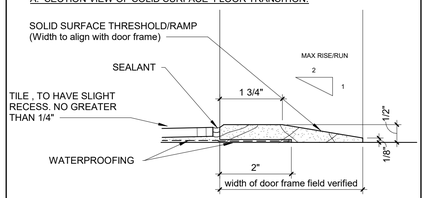
G: FLOORING TRANSITIONS

1. All reducer strips and other thresholds are to be located at the centerline of door when in a closed position, unless otherwise noted.
2. Utilize clear caulk to seal where flooring transition meets flooring to eliminate gaps.
3. All floor transitions are to be taped or covered during construction to protect the material until final completion.
4. New transition strips are indicated by a bold line on the floor pattern plan. It is the contractor's responsibility to identify locations and quantities of material-to material transition strips. If a strip is needed that is not listed under flooring transitions, contractor is to submit proposed product via submittal for approval. All transitions are required to meet ADA guidelines.

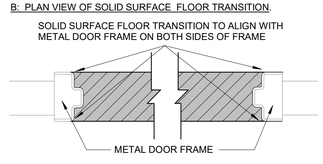
   TS#

5. ADA compliant porcelain/ceramic/epoxy to resilient floor detail:

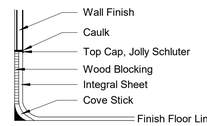
A: SECTION VIEW OF SOLID SURFACE FLOOR TRANSITION.



B: PLAN VIEW OF SOLID SURFACE FLOOR TRANSITION.

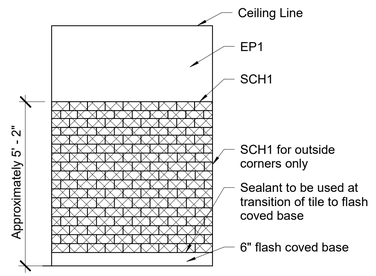


6. For Restroom base transitions between wall tile and sheet vinyl, reference detail below for installation. See Flooring for Behavioral Health flooring.



H: TILE

1. See WALLS section for grout formulas and colors.
2. All ceramic tile shall in Restrooms and Scrub Sinks shall have Laticrete, Pro Premium grout. Refer to Finish Material Legend for color selection. Decon. tile shall have Laticrete, 2000 IG grout.
3. All transitions between ceramic wall tile and paint shall be made with a Schluter trim element, along with a bead of clear caulk, unless otherwise noted.
4. Scrub sink in Resuscitation Exam to have a ceramic wall tile installed to 5'-2" A.F.F. on wall behind sink. Top rows of tile capped by Schluter. Contractor to install Schluter along vertical edges.



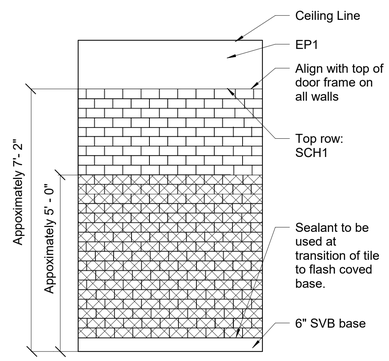
1 SCRUB SINK
3/8" = 1'-0"

CWT2 - Daltile, Color Wheel Classic

5. On walls with mirrors, continue tile fully behind mirror to approximately 7'-2" on entire wall. DO NOT stop and start tile around mirror. Mirror is to be installed so that the bottom of the reflective surface is at 40" A.F.F.
6. Decon. walls are to receive PWT1 from top of floor base to ceiling. No offset or pattern.

H: TILE CONT.

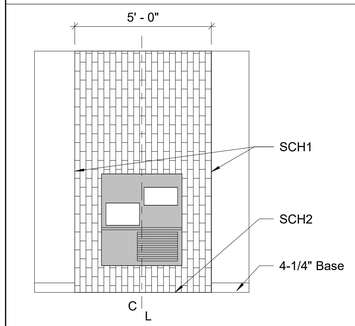
7. Below is a typical elevation of the Patient/Staff/A.I.I. Toilet walls. ALL walls in toilets are to receive wall tile up to approximately 7'-2". Tile should clear the mirror on the sink wall as well as the grab bars and paper towel dispensers/ dryers on adjacent walls. Align top of tile with the top of the door frame. Note that showers are to receive wall tile to ceiling.



2 RESTROOMS
3/8" = 1'-0"

CWT1 - Daltile, Color Wheel Classic

CWT2 - Daltile, Color Wheel Classic



3 DRINKING FOUNTAIN
3/8" = 1'-0"

CWT3 - Daltile, Revalia Remix

*Basis of Design. Final tile height may very based on grout joint widths. Utilize full tiles. Center tile pattern behind water fountain.

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PROJECT # 225014.00
CLIENT #3090900030

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA — REGISTERED GUITTARD — LICENSED INTERIOR DESIGNER — ID 0004305

Rebecca Guittar Donner
ID # 0004305

DATES OF ISSUANCE
12/18/2025
△

TITLE: GENERAL FINISHES AND NOTES

SHEET: F0.2

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ROOM SCHEDULE

ROOM NAME	ROOM #	CEILING	SOFFIT	WALL	ACCENT WALL	BASE	FLOOR	WINDOW TREATMENT	COMMENTS
ENTRY VESTIBULE	100	ACT1		P1		RB2	C1		PROVIDE HOLD DOWN CLIPS FOR CEILING TILE.
WAITING	101	ACT1	P3	P1,CR1		RB2	LVT1	W2,SS2	SEE FINISH PLAN FOR CHAIR RAIL LOCATION.
RECEPTION	102	ACT1	P3	P1		RB1	LVT3		SS1 AT TRANSACTION TOPS.
WOMEN TLT	103	ACT1		EP1,CWT1,CWT2		SVB3	SVF3		
NURSE STATION	104	ACT1	P3		P2	RB1	LVT3		
DICTATION	105	ACT1	P3	P1		RB1	LVT3		SS1 AT TRANSACTION TOPS.
MEN TLT	106	ACT1		EP1,CWT1,CWT2		SVB3	SVF3		
EXAM 3	107	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
AMBULANCE VESTIBULE	108	ACT1		P1		RB1	C1		PROVIDE HOLD DOWN CLIPS FOR CEILING TILE.
EXAM 11 (RESUSCITATION)	109	GYP-EP3		EP1	EP2	SVB2	SVF2		MB1, TILE AT SINK (CWT2).
NOURISH	111	ACT1		P1		RB1	LVT2		
PAT TLT 1 (BH)	112	GYP-EP3		EP1,CWT1,CWT2		SVB3	SVF3		SEE F0.2 FOR NOTES ON BEHAVIORAL TOILET.
CORRIDOR	113	ACT1	P3	P1		RB1	LVT2,3		
EXAM 4	114	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
CORRIDOR	115	ACT1	P3	P1,CR1		RB2	LVT1,3		SEE FINISH PLAN FOR CHAIR RAIL LOCATION.
EXAM 2 (BH)	116	GYP-EP3		EP1	EP2	EP4,PRC1	SVF2		PAINTED STRIPE FOR BASE TO MATCH TYPICAL BASE COLOR (EP4). SEE F0.2 FOR NOTES ON BEHAVIORAL EXAM.
EMS LOUNGE	117	ACT1		P1		RB1	LVT2	W1,SS2	
EXAM 6 (AII)	118	GYP-EP3		EP1	EP2	SVB2	SVF2	W1,SS2	MB1
DECON	119	GYP-EP3		PWT1		CTB1	CTF1		TILE FLOOR TO CEILING ON ALL WALLS.
VACUUM	120	EXP		P1		RB1	SC		
MED GAS	121	EXP		P1		RB1	SC		
P.O.C. LAB	122	ACT2		EP1		SVB1	SVF1	W1,SS2	
EVS	123	EXP		EP1		SVB1	SVF1		
TSER/TEC	124	EXP		P1		RB1	LVT2		PAINT PLYWOOD WITH P1, DO NOT PAINT OVER FIRE-RATING LABELS ON WALLS.
TDR	124A	EXP		P1		RB1	SC		PAINT PLYWOOD WITH P1, DO NOT PAINT OVER FIRE-RATING LABELS ON WALLS.
FACP	124B	EXP		P1		RB1	LVT2		PAINT PLYWOOD WITH P1, DO NOT PAINT OVER FIRE-RATING LABELS ON WALLS.
PAT TLT 4	125	ACT1		EP1,CWT1,CWT2		SVB3	SVF3		
OFFICE	126	ACT1		P1	P3	RB1	LVT2		
STAFF LOUNGE	127	ACT1		P1	P3	RB1	LVT2	W1,SS2	
SOILED WORKROOM	128	ACT2		EP1		SVB1	SVF1	W1,SS2	
EQUIP STORAGE	129	ACT1		P1		RB1	LVT2		RED LINE (P7) 18" FROM BOTTOM OF SPRINKLER HEAD AROUND PERIMETER OF ROOM.
WHEELCHAIR ALCOVE	130	ACT1		P1,CR1	P2	RB2	LVT1	W2,SS2	TILE AT DRINKING FOUNTAIN (CWT3). SEE FINISH PLAN FOR CHAIR RAIL LOCATION.
ELEC-1	131	EXP		P1		RB1	SC		3" STRIPING ON FLOOR 36" OUT FROM EACH ELEC. PANEL.
EXAM 5	133	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
PAT TLT 3 (AII)	134	GYP-EP3		EP1,CWT1,CWT2		SVB3	SVF3		SS2 SHOWER PAN
EXAM 10 (PELVIC)	135	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
CORRIDOR	136	ACT1	P3	P1		RB1	LVT2,3		
EXAM 9 (IOS)	137	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
PAT TLT 2 (IOS)	138	ACT1		EP1,CWT1,CWT2		SVB3	SVF3		
EXAM 8	139	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
EXAM 7	140	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
EXAM 1 (OBSERVATION)	141	ACT1		P1	P2	RB1	LVT2,3	W1,SS2	MB1
TRIAGE	142	ACT1		P1		RB1	LVT3		
CORRIDOR	144	ACT1		P1		RB1	LVT2,3		
DIAGNOSTIC X-RAY	145	ACT1		P1	P3	RB1	LVT2		
CONTROL	147	ACT1		P1		RB1	LVT2		
C.T.	148	ACT1		P1	P3	RB1	LVT2		
CORRIDOR	149	ACT1		P1		RB1	LVT2,3		
MECH	150	EXP		P1		RB1	SC		
MEDS	151	ACT1		P1		RB1	LVT2		
CORRIDOR	152	ACT1		P1		RB1	LVT2,3		
FIRE RISER	153	EXP		P1		RB1	SC		
CORRIDOR	154	ACT1	P3	P1	P2	RB1	LVT2,3		
ELEC-2	155	EXP		P1		RB1	SC		3" STRIPING ON FLOOR 36" OUT FROM EACH ELEC. PANEL.
STAFF TLT	156	ACT1		EP1,CWT1,CWT2		SVB3	SVF3		
CLEAN SUPPLY	157	ACT1		P1		RB1	LVT2		RED LINE (P7) 18" FROM BOTTOM OF SPRINKLER HEAD AROUND PERIMETER OF ROOM.
MAT. MGMT./OFFICE	161	ACT1		P1	P3	RB1	LVT2	W1,SS2	
EQUIP ALCOVE	162	ACT1		P1		RB1	LVT3		
PHARMACIST OFFICE	163	ACT1		P1	P3	RB1	LVT2		
RECEIVING / CORRIDOR	164	ACT1		P1		RB1	LVT2		
STORAGE	166	ACT1		P1		RB1	LVT2	W1,SS2	

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TITLE ROOM SCHEDULE

SHEET F0.3

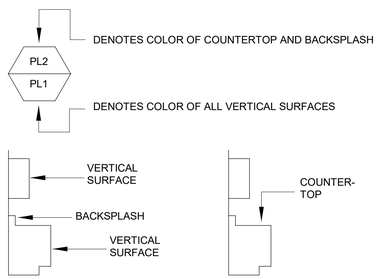
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1 FINISH PLAN
1/8" = 1'-0"

FINISH KEY

ITEM	CODE	LOCATION	NOTE
CHAIR RAIL	——CR1——	WAITING AREA & WHEELCHAIR ALCOVE	CR1 TO BE INSTALLED PRIOR TO PAINT AND WALL PROTECTION.



ETR= EXISTING FINISHES TO REMAIN
NIS = NOT IN SCOPE
PM= PATCH AND MATCH EXISTING FINISHES
UON= UNLESS OTHERWISE NOTED

FINISH KEY
1/8" = 1'-0"

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PROJECT # 225014.00
CLIENT #3090900030

SANTA ROSA FSER
HWY 98, FORT WALTON BEACH, FL 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MARWALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS



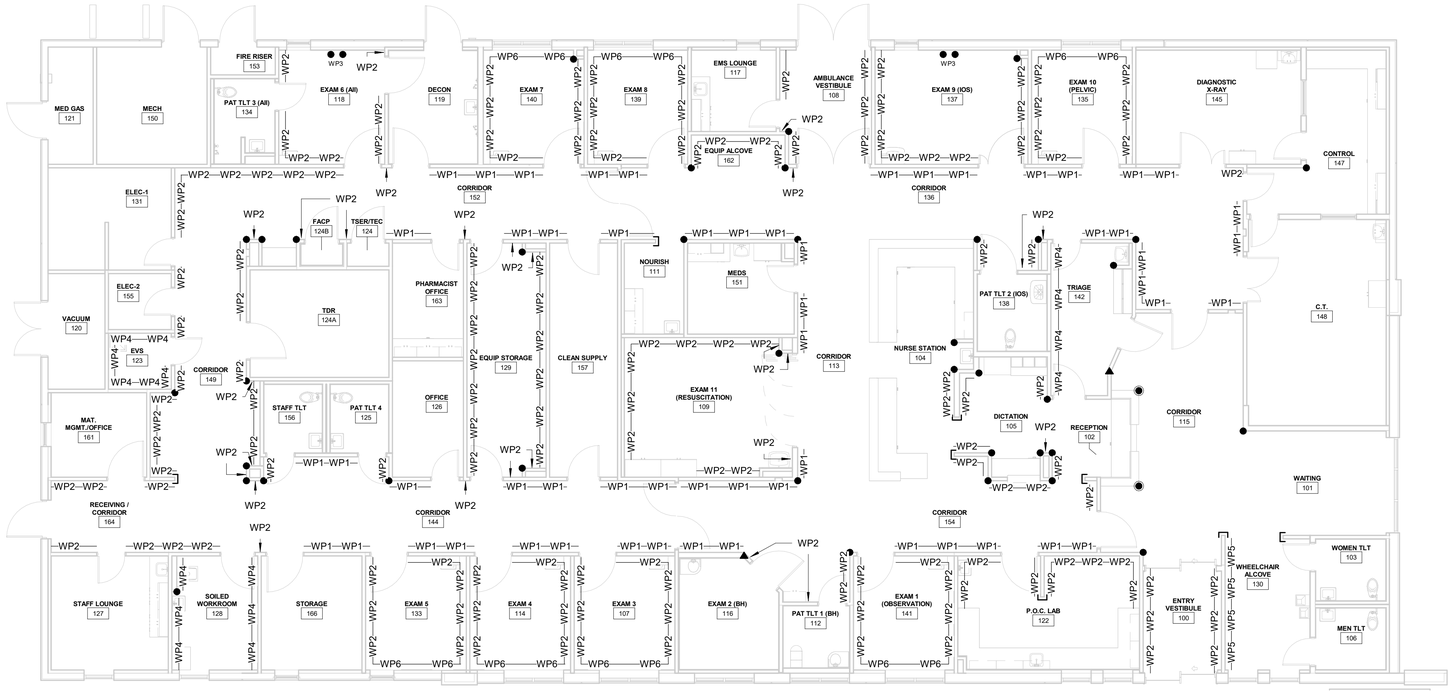
Rebecca Guittar Donner
ID # 0004305

DATES OF ISSUANCE
12/18/2025
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TITLE
FINISH PLAN

SHEET
F1.1

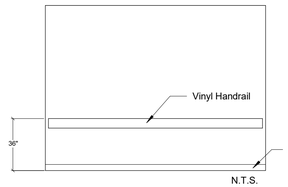
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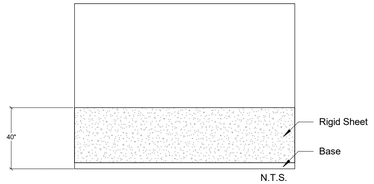
1 WALL PROTECTION PLAN
1/8" = 1'-0"

WALL PROTECTION CONFIGURATIONS

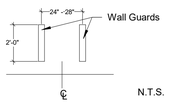
WP1. Handrail to be mounted at 36" A.F.F. to top of rail. Handrail is to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.



WP2. Sheet wall protection to be adhered to wall, with top of sheet at 40" A.F.F. Locations with rubber base, the base is ONLY to overlap the sheet by 1/4". Locations with sheet vinyl base, the sheet is to sit firmly on top of the cove cap and caulked with color-matched caulked.

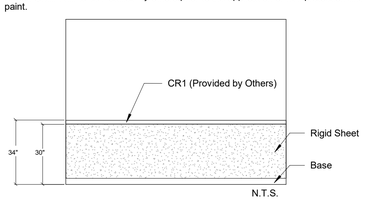


WP3. Wall Guards are to be placed vertically. See Wall Protection Plan for locations. See Architectural sheets for further details on placement. GC is to confirm that final rail mounting widths and heights coordinate with specified bed/stretcher model.

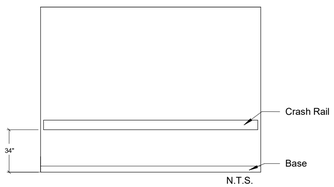


WP4. Sheet wall protection to be adhered to wall & to sit firmly on top of cove cap. Color-match caulk to base. Full 4'-0"W x 8'-0"H sheets are to be installed vertically.

WP5. Sheet wall protection to be adhered to wall, with top of sheet at 30" A.F.F. The rubber base is ONLY to overlap the sheet by 1/4". Chair Rail to be placed at the top of Rigid Sheet. Chair Rail to be installed by others prior to the application of wall protection and paint.



WP6. Crash Rail is to be mounted at 34" A.F.F. to bottom of rail. Rails to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.



GENERAL WALL PROTECTION NOTE: DO NOT APPLY SHEET WALL PROTECTION TO ANY EXTERIOR WALL

WALL PROTECTION CONFIGURATIONS LEGEND
1/8" = 1'-0"

WALL PROTECTION ITEMS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard 2"	Corners - 90 degree	InPro	Style: 160BN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
⌴	Corner Guard 2"	Corners - End Wall Protector	InPro	Style: 160DBN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
◉	Corner Guard 2"	Corners - Reception	InPro	Style: 160BN Color: 0238 Feather Retainer: Vinyl Height: 36" Notes: Install above wall base. Utilize top and bottom caps.
▲	Corner Guard 3"	Corners - Odd Angle	InPro	Style: 130BN Color: 0238 Feather Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
	Bumper Rail - Vinyl	See plans	InPro	Style: 1300 with Mounting Cushion Height: 4-1/16" Vinyl Color: 0238 Feather
	Crash Rail - Vinyl	See plans	InPro	Style: 1600 Height: 6" Vinyl Color: 0238 Feather
	Handrail - Vinyl	See plans	InPro	Style: 800 Height: 5-1/2" Vinyl Color: 0351 River Rock
	Rigid Sheet - Vinyl	See plans	InPro	Style: Palladium Rigid Vinyl Sheet Wall Protection Thickness: 0.060" Texture: Velvet Vinyl Color: 0238 Feather Notes: Utilize vinyl trim top cap only. Color match caulk at all vertical seams with vinyl seal caulk. DO NOT APPLY RIGID SHEET TO ANY EXTERIOR WALL.

WALL PROTECTION ITEMS LEGEND
1/8" = 1'-0"

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TITLE WALL PROTECTION PLAN

SHEET F1.2



1 FLOOR PATTERN PLAN
1/8" = 1'-0"

FLOORING

CODE/ KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
C1	Carpet	Floors - Vestibules	Shaw	Style: All Access, 5T412 Jive Tile Color: Transverse 12557 Format: Tile Size: 24" x 24" x 7.47mm Backing: Ecoworx Tile Adhesive: **Manufact. Recommended** Installation: Ashlar
CTF1	Ceramic Tile Floor	Floors - Decon.	Daltile	Style: Keystones Mosaics Color: Architectural Gray D109, Matte Size: 2" x 2" x 1/4" Grout: Laticrete, Spectralock 2000 IG Grout Color: 90 Light Pewter Joint Width: 1/8" Installation: Monolithic Mosaic
LVT1	Luxury Vinyl Tile	Floors - Waiting	Mannington	Style: Spacia - Wood Color: Powdered Oak SS5W3311 Size: 7.25" x 48" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Random Stagger
LVT2	Luxury Vinyl Tile	Floors - Field	Mannington	Style: Spacia - Abstract Color: Java Cloud SS5A4703 Size: 12" x 18" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Ashlar (50% Overlay)
LVT3	Luxury Vinyl Tile	Floors - Accent	Mannington	Style: Spacia - Stone Color: Gibson SS552603 Size: 18" x 18" x 2.5mm Adhesive: **Manufact. Recommended** Installation: Square Edge, Ashlar (50% Overlay)
SC	Sealed Concrete	Floors	Sherwin Williams	Style: Armorseal Treadplex Color: Haze Gray Notes: See Architectural specifications for more information.
SVF1	Sheet Vinyl Floor	Floors - Sterile	Mannington	Style: BioSpec MD Color: 15364 New Glacier Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842361 Cream. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*
SVF2	Sheet Vinyl Floor	Floors - Exams	Mannington	Style: BioSpec MD Color: 15371 Techno Gray Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842401 Techno Gray. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*
SVF3	Sheet Vinyl Floor	Floors- Restrooms Slip - Resistant	Mannington	Style: Assurance III Color: 16350 Hailstone Roll Width: 6' - 6" x 0.080" Adhesive: **Manufact. Recommended** Notes: Seams to be heat welded with solid weld rod 842372 Bright White. *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods.*

NOTE: ALL FLOORING IS TO BE PURCHASED THROUGH LOGISTIC SOLUTIONS BY THE GENERAL CONTRACTOR. SEE ARCHITECTURAL SPECIFICATIONS FOR MORE INFORMATION.

FLOORING LEGEND
1/8" = 1'-0"

BASE/TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
CTB1	Ceramic Tile Base - Factory Coved	Decon.	Daltile	Pattern: Keystones MB5A Color: Architectural Gray D109, Matte Size: 2" x 2" Build-Up Base Grout: Laticrete, Spectralock 2000 IG Grout Color: 90 Light Pewter Grout Joint: 1/8" Installation: Align with CTF1
SVB1	Integral Sheet Vinyl Base	Sterile Walls	Mannington	Series: BioSpec MD Color: 15364 New Glacier Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842361 Cream. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod.
SVB2	Integral Sheet Vinyl Base	Exam Rooms	Mannington	Series: BioSpec MD Color: 15371 Techno Gray Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842401 Techno Gray. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod.
SVB3	Integral Sheet Vinyl Base	Restrooms	Mannington	Series: Assurance III Color: 16350 Hailstone Flooring Height: 6"H Outside Corner: Boot Adhesive: **Manufact. Recommended** Notes: Flash cove up walls to form self-coved integral base. Seams to be heat welded with solid rod 842372 Bright White. Utilize Cove Stick, Cap Strip for base, and Seam Coater Pen for weld rod. See "BASE" Section for Behavioral Toilet information.
RB1	Rubber Base	Walls - General	Mannington	Style: Burkebase Type TP Height: 4"H, 1/8" Thick Color: 597 Mocha Adhesive: **Manufact. Recommended** Notes: Coved and continuous rolls. Miter inside corners. Do NOT use pre-molded outside corners.
RB2	Rubber Base	Walls - Waiting	Mannington	Style: Edge Effects - Sophisticate EESOP Size: 8' L, 4-1/4" H Color: 597 Mocha Adhesive: **Manufact. Recommended** Notes: Miter cut all joints. Utilize clear caulk at locations where gapping has occurred.
PRC1	Pick Resistant Caulk	Chair Rail & Behavioral Areas	Pecora	Series: Dynaflex SC - Flexible Polyurethane Security Sealant Color: Putty Grey

BASE/TRIM LEGEND
1/8" = 1'-0"

FLOORING TRANSITION STRIPS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
TS1	Transition Strip	1/8" Resilient to Carpet	Mannington	Finishing Accessories Product: Carpet to Resilient Transition #152 Color: BlackBrown 523
TS2	Transition Strip	LVT to SVF	Mannington	**SVF1:** BioSpec, Weld Rod 842361 Cream **SVF2:** BioSpec, Weld Rod 842401 Techno Gray **SVF3:** Assurance III, Weld Rod 842372 Bright White *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on Weld Rods.*
TS3	Transition Strip	Ceramic to 1/8" Resilient - Decon. 119	Grifform	Ramping TRT 1/8" Bevel Corian Color: Neutral Concrete Note: Must comply with ADA standards. See "FLOORING TRANSITIONS" section for detail note on Ramp size.
TS4	Transition Strip	1/8" Resilient to Concrete	Mannington	Finishing Accessories Product: Tile Reducer 1/8" #633 Color: Sky Gray 683

FLOORING TRANSITION STRIPS LEGEND
1/8" = 1'-0"

FLOOR PATTERN KEY

TS#	FLOORING TRANSITION TYPE
→	PLANK OR TILE DIRECTION
- - - - - - - - - -	PATTERN DIRECTION CHANGE

FLOOR PATTERN KEY
1/8" = 1'-0"

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STATUS: CONSTRUCTION DOCUMENTS

STATE OF FLORIDA · REBECCA GUITTARD DONNER · 0004305 · REGISTERED INTERIOR DESIGNER

Rebecca Guittard Donner
ID # 0004305

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TITLE: FLOOR PATTERN PLAN

SHEET: F1.3

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1 FURNITURE PLAN
1/8" = 1'-0"

FURNITURE KEY

Mobile Pedestal	Task Stool, Armless
Physician Stool	Task Chair, Arms
Task Chair, Armless	Stack Chair, Armless
Guest Chair, Single	Dining Stool
Guest Chair, Bariatric	End Table
Guest Chair, Tandem	Lounge Table, Standing Height
Stack Chair, Arms	
Stack Chair, Bariatric	Lounge Table, Dining Height
Recliner	L-Shaped Desk with Overhead Hutch
Multi-Purpose Table	

FURNITURE KEY
1/8" = 1'-0"

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REBECCA GUITTAR DONNER
INTERIOR DESIGNER

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ID # 0004305

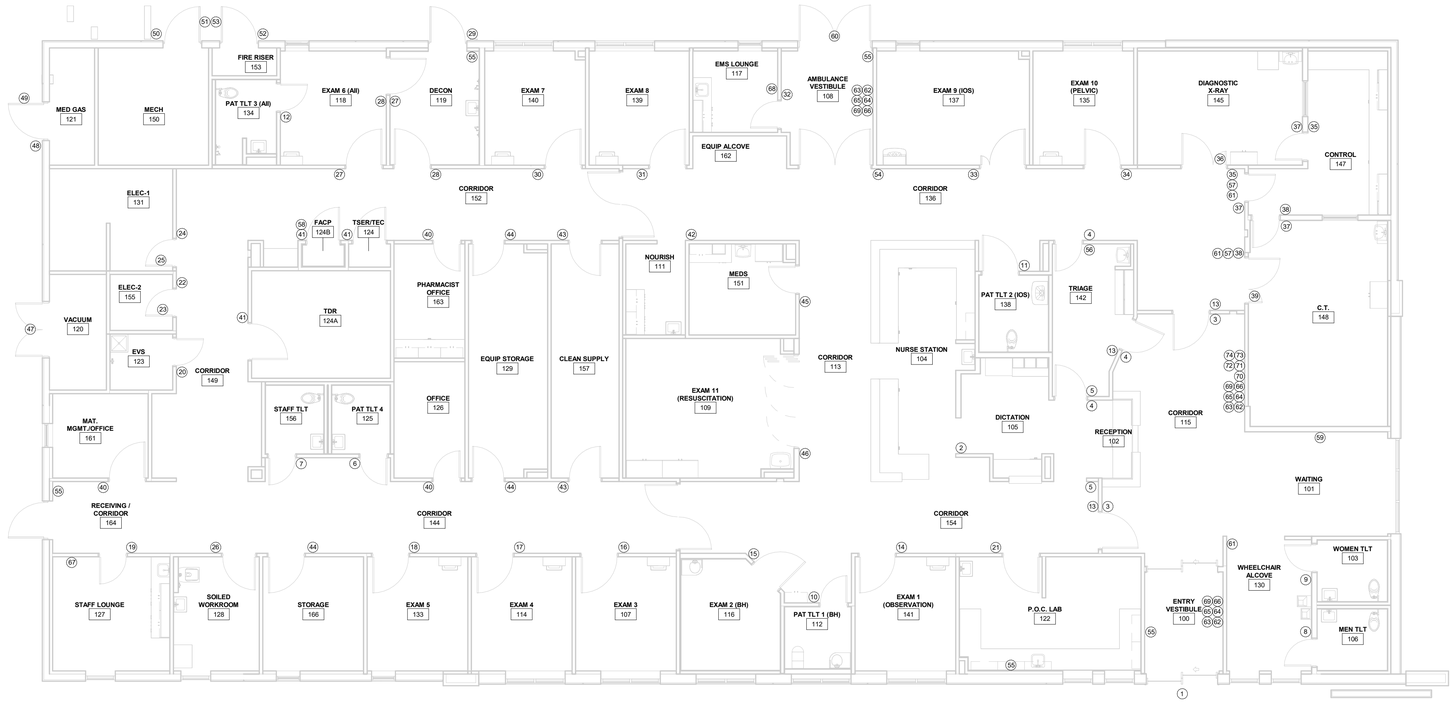
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TITLE
FURNITURE PLAN

SHEET
F1.4

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1 SIGNAGE PLAN
1/8" = 1'-0"

SIGNAGE SCHEDULE

LOCATION	QTY	INT/EXT	SIGN TYPE	MESSAGE	ICON	COMMENTS
1	1	INT	G1.1	Branded Glass Door Entry Vinyl	DV.1, DV.2, DV.E, Caution Markings, Safe Haven Decal, RV.1	Window-applied interior. See Signage Design Keys for additional details.
2	1	INT	ID1.2	Dictation		
3	2	INT	ID1.5	You must be accompanied by a staff member to proceed beyond this point.	Stop	
4	3	INT	ID1.2	Triage		
5	2	INT	ID1.2	Reception		
6	1	INT	ID1.4	Patient Restroom 4	Unisex Accessible Restroom	
7	1	INT	ID1.4	Staff Restroom	Unisex Accessible Restroom	
8	1	INT	ID1.4	Men's Restroom	Men's Accessible Restroom	
9	1	INT	ID1.4	Women's Restroom	Women's Accessible Restroom	
10	1	INT	ID1.4	Patient Restroom 1	Unisex Accessible Restroom	
11	1	INT	ID1.4	Patient Restroom 2	Unisex Restroom	
12	1	INT	ID1.4	Patient Restroom 3	Unisex Accessible Restroom, Accessible Shower	
13	3	INT	ID1.5	To Waiting Area and Exit		
14	1	INT	ID1.3	Exam	1	
15	1	INT	ID1.3	Exam	2	
16	1	INT	ID1.3	Exam	3	
17	1	INT	ID1.3	Exam	4	
18	1	INT	ID1.3	Exam	5	
19	1	INT	ID1.2	Staff Lounge		
20	1	INT	ID1.3	Housekeeping	Bio Hazard	
21	1	INT	ID1.2	Laboratory		
22	1	INT	ID1.2	Electrical		
23	1	INT	RG.X	Arc Flash Warning		NFPA 70 Verbiage. Sign shall be door-mounted. See Signage Design Keys for additional information.
24	1	INT	ID1.2	Electrical		
25	1	INT	RG.X	Arc Flash Warning		NFPA 70 Verbiage. Sign shall be door-mounted. See Signage Design Keys for additional information.
26	1	INT	ID1.3	Soiled Workroom	Bio Hazard	
27	2	INT	ID1.3	A.I.I. Exam	6	
28	2	INT	ID1.3	Decontamination	Accessible, Bio Hazard	
29	1	EXT	ID1.3	Decontamination	Accessible, Bio Hazard	
30	1	INT	ID1.3	Exam	7	
31	1	INT	ID1.3	Exam	8	
32	1	INT	ID1.2	EMS Lounge		
33	1	INT	ID1.3	Exam	9	
34	1	INT	ID1.3	Exam	10	
35	2	INT	ID1.3	Radiography	Radiation	
36	1	INT	ID1.3	Radiography	Radiation	Sign shall be mounted on inactive leaf.
37	3	INT	ID1.5	Control Staff Only	No Entry	
38	2	INT	ID1.3	CT	Radiation	
39	1	INT	ID1.3	CT	Radiation	Sign shall be mounted on inactive leaf.
40	3	INT	ID1.2	Office		
41	2	INT	ID1.2	Private	No Entry	In the case of outward swinging doors, the sign must be mounted to the wall outside of the arc of the door swing. The sign should be located within an 18" x 18" square of clear floor space (18" away from the door and 18" away from the wall).
42	1	INT	ID1.2	Nourishment		
43	2	INT	ID1.2	Clean Supply		
44	3	INT	ID1.2	Storage		
45	1	INT	ID1.2	Medication		
46	1	INT	ID1.3	Exam	11	
47	1	EXT	ID1.2	Vacuum		Sign shall be mounted on inactive leaf.
48	1	EXT	ID1.2	Medical Gas		Signage vendor to confirm approved verbiage with state and local requirements.
49	1	EXT	RG.X	Caution Medical Gases, NFPA Diamond		Signs shall be door-mounted. See Signage Design Keys for additional information.
50	1	EXT	ID1.2	Mechanical		Signage vendor to confirm approved verbiage with state and local requirements.
51	1	EXT	RG.X	Arc Flash Warning		NFPA 70 Verbiage. Sign shall be door-mounted. See Signage Design Keys for additional information.
52	1	EXT	ID1.2	Fire Riser		Signage vendor to confirm approved verbiage with state and local requirements.
53	1	EXT	RG.X	Fire Riser Room Authorized Personnel Only		See Signage Design Keys for additional information.
54	1	INT	ID1.5	EMS Only	No Entry	In the case of inadequate wall space to the right of a double door, sign shall be mounted on the nearest adjacent wall.
55	4	INT	R2.1	Exit		In the case of inadequate wall space on the latch side of a single door or to the right of a double door, sign shall be mounted on nearest adjacent wall.
56	1	INT	ID1.5	To Treatment Area You must be accompanied by a staff member to proceed beyond this point.	Stop	
57	2	INT	ID1.5	Caution Radiation Area	Radiation	
58	1	INT	RG.X	F.A.C.P.		
59	1	INT	ISPF2.B.x, IHPF.B.x, or ISPF1.B.x	Branded Wall Plaque		Sign shall be surface-mounted and centered on wall. See Signage Design Keys for additional information. See Architectural sheets for facility branding.
60	1	INT	G1.1	Branded Glass Door Entry Vinyl	DV.1, DV.2, DV.E, Caution Markings, Safe Haven Decal, RV.1	Window-applied interior. See Signage Design Keys for additional details.
61	3	INT	ID1.5	If you are a patient and pregnant, please notify staff.	Warning	
62	3	INT	INF1.3	EMTALA		11" x 17. Inserts to be printed vertically on cardstock, matching standards. English & Spanish translations required.
63	3	INT	INF1.3	Notice of Privacy Practices		11" x 17. Inserts to be printed vertically on cardstock, matching standards. English & Spanish translations required.
64	3	INT	INF1.3	Patient Rights & Responsibilities		11" x 17. Inserts to be printed vertically on cardstock, matching standards.
65	3	INT	INF1.3	Notice of Availibilty		11" x 17. Inserts to be printed vertically on cardstock, matching standards.
66	3	INT	INF1.3	HCA Nondiscrimination Notice		11" x 17. Inserts to be printed vertically on cardstock, matching standards.
67	1	INT	INF1.1	Ethics Line Poster		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
68	1	INT	INF1.1	EMS Breakroom Rules		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
69	3	INT	INF1.1	Paralon		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
70	1	INT	INF1.3	Surprise Billing		11" x 17". Inserts to be printed vertically on cardstock, matching standards.
71	1	INT	INF1.1	Good Faith Estimate		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
72	1	INT	INF1.1	Facility Fee Notice		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
73	1	INT	INF1.1	Human Trafficking		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.
74	1	INT	INF1.1	Search & Seizure		8-1/2" x 11". Inserts to be printed vertically on cardstock, matching standards.

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PROJECT # 225014.00
CLIENT #3090900030

SANTA ROSA FSER
HWY 98, FORT WALTON BEACH, FL 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MARWALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS



Rebecca Guittard Donner
ID # 0004305

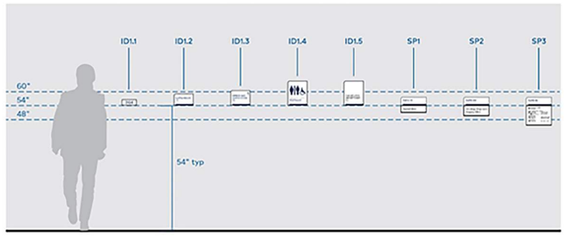
DATES OF ISSUANCE
12/18/2025
△

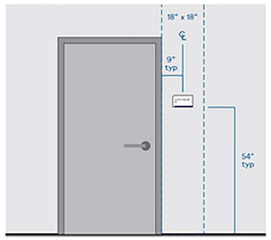
TITLE
SIGNAGE PLAN

SHEET
F1.5

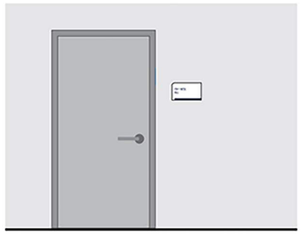
Raised characters and braille must be positioned at least 48 inches above the finished floor or ground surface, measured from the baseline of the lowest braille, and no more than 60 inches above the finished floor or ground surface, measured from the baseline of the highest tactile character, to ensure the signs are at a convenient height for tactile reading.

An unobstructed floor space of at least 18 inches by 18 inches must be centered on the tactile characters at out-swinging doors. This ensures there is sufficient standing room for reading by touch. The space must be free of protrusions up to a height of 80 inches and must be located beyond the swing arc of any door opened to 45 degrees. While this sets a minimum distance for tactile signs from out-swinging doors, the clear floor space must be centered on the tactile characters, and signs can be placed at varying distances beyond the door swing.

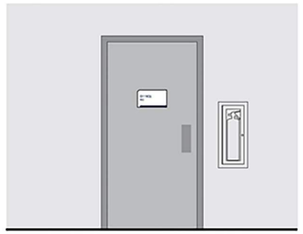




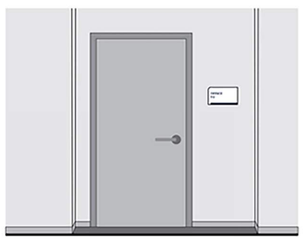
For single doors, tactile signs should be placed on the latch side of the door. They can also be located on the push side of doors equipped with closers that lack devices to keep them open. If there is no wall space on the latch side, signs should be placed on the nearest adjacent wall. For double-leaf doors with one active leaf, the sign should be placed on the inactive leaf. If both leaves are active, the sign should be located to the right of the door.



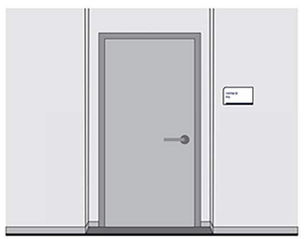
Sign on latch side of single door



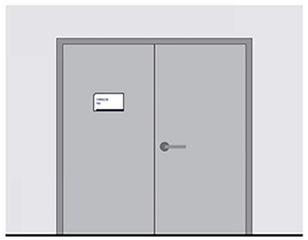
When latch side is unavailable, place sign on push side of a door with a closer



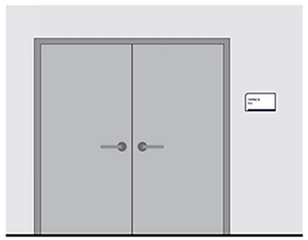
Recessed door with space for latch side placement



Recessed door with sign on adjacent wall



Sign on inactive leaf of double-door



Sign at right, hinge side of double-door with two active leaves

Basics | Color palette

Color is a key component of HCA Healthcare's brand identity system, which includes both primary and secondary palettes. Adherence to the specified color formulas and material recommendations is critical to ensure uniformity across diverse applications.

Primary

HCA Healthcare Orange

HEX #E05929
RGB 224, 89, 41
CMYK 5, 80, 100, 0
PMS-C Pantone 7579 C
Paint Matthews MP72663
Film Opaque 3M 3630-124 (white bkg only)
Film Translucent 3M 3630-124 w/diffuser
3M 3635-30 (41% diffusion)
Film Reflective NA

HCA Healthcare Navy

HEX #03173E
RGB 3, 23, 62
CMYK 100, 85, 45, 50
PMS-C Pantone 289 C
Paint Matthews MP62320
Film Opaque 3M 3630-8695 (white bkg only)
Dual color 3M DN00545
Film Translucent 3M 3630-8695
Film Reflective NA

White

HEX #FFFFFF
RGB 255, 255, 255
CMYK 0, 0, 0, 0
PMS-C NA
Paint Matthews MP11477
Film Opaque 3M 7725-10
Film Translucent 3M 3630-20
Film Reflective 3M 680-10

Secondary

Slate

HEX #58595B
RGB 88, 89, 91
CMYK 0, 0, 0, 80
PMS-C 424 C
Paint Matthews MP58477
Film Opaque 3M 180c-41 dark gray
Film Translucent NA
Film Reflective NA

Crimson Red

Crimson Red
HEX #971B2F
RGB 151, 27, 47
CMYK 25, 100, 98, 25
PMS-C Pantone 7427 C
Paint Matthews MP83154
Film Opaque NA
Film Translucent 3M 3630-53
Film Reflective 3M 680-82 Ruby Red

Basics | Typography

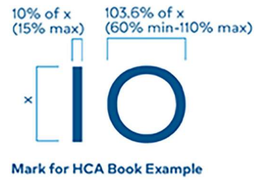
Consistent typography is key to unifying communication across all signage. The designated typeface for signage is Mark for HCA, with three specific weights: Mark for HCA Bold, Mark for HCA Medium, and Mark for HCA Book. Mark for HCA Bold and Mark for HCA Medium are typically used for prominent messages, like emergency or the mission statement for example, to visually capture attention. Mark for HCA Book is primarily used for all

ADA-compliant signage due to its suitable stroke thickness and character proportions for interior signage. Specifically, the stroke thickness of the uppercase letter "I" shall be between 10% to 15% of the character height, and the width of the uppercase "O" falls between 60% and 110% of the height of the uppercase "I." For specific font usage guidelines and information about character and line spacing per sign type, refer to the Interior Design Control documents.

Mark for HCA Bold
AaBbCcDdEeFfGgHhIiJjKkLlMmNn
OoPpQqRrSsTtUuVvWwXxYyZz
1234567890

Mark for HCA Medium
AaBbCcDdEeFfGgHhIiJjKkLlMmNn
OoPpQqRrSsTtUuVvWwXxYyZz
1234567890

Mark for HCA Book
AaBbCcDdEeFfGgHhIiJjKkLlMmNn
OoPpQqRrSsTtUuVvWwXxYyZz
1234567890



Mark for HCA Book Example

Basics | Icons

Icons provide quick visual cues for important information on regulatory signs and door vinyls. Below are examples of approved symbols. Always utilize the HCA-provided artwork for consistency and brand integrity.


Men's Accessible Restroom


Warning


Fire Extinguisher


Bio hazard


Radiation


Unisex Accessible Restroom


Accessible


Women's Accessible Restroom


Stop


No Entry


No Weapons


No Pets


No Smoking


No Cell Phones


Accessible Shower



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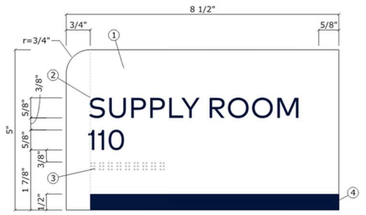
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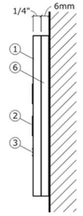
SHEET: F1.6

12/10/2025 1:14:23 PM
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Sign types | Room identification signs







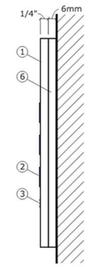
Notes

1. 1/4" thick clear frosted acrylic sign face (P95 finish). Mill finish edges.
2. Sign copy to be 1/32" thick laser cut white Gravoply. Painted HCA Navy. Typeface to be Mark for HCA Book.
3. Grade 2 braille to match uppercase copy. Braille beads to be clear acrylic with no sharp edges.
4. Band at bottom to be first surface applied vinyl to match HCA Navy
5. Secure to wall with 3M VHB tape and structural adhesive as required.
6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.

ID1.2 2 Line room ID







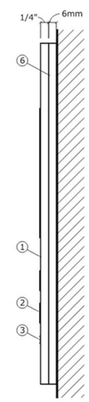
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3. Grade 2 braille to match uppercase copy. Braille beads to be clear acrylic with no sharp edges.
4. Band at bottom to be first surface applied vinyl to match HCA Navy
5. Secure to wall with 3M VHB tape and structural adhesive as required.
6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.
7. Optional number to be first surface applied vinyl to match HCA Navy. Typeface to be HCA Book.

ID1.3 3 Line room ID



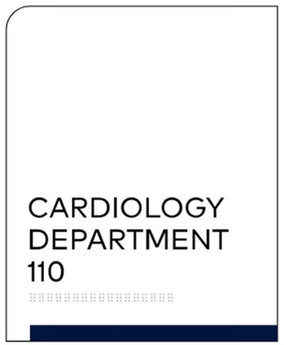


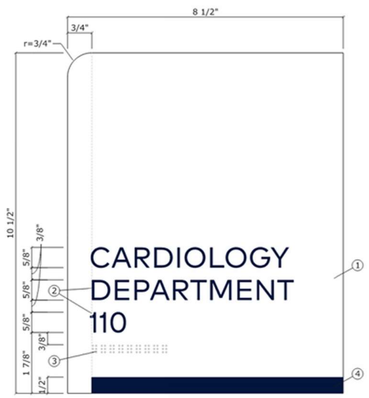


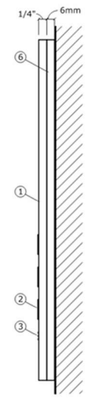
Notes

1. 1/4" thick clear frosted acrylic sign face (P95 finish). Mill finish edges.
2. Sign copy and symbols to be 1/32" thick laser cut white Gravoply. Painted HCA Navy. Typeface to be Mark for HCA Book.
3. Grade 2 braille to match uppercase copy. Braille beads to be clear acrylic with no sharp edges.
4. Band at bottom to be first surface applied vinyl to match HCA Navy
5. Secure to wall with 3M VHB tape and structural adhesive as required.
6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.

ID1.4 Restroom ID







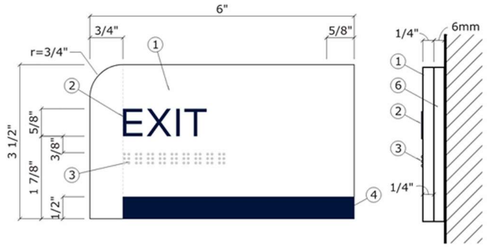
Notes

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3. Grade 2 braille to match uppercase copy. Braille beads to be clear acrylic with no sharp edges.
4. Band at bottom to be first surface applied vinyl to match HCA Navy
5. Secure to wall with 3M VHB tape and structural adhesive as required.
6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.

ID1.5 Department ID

Sign types | Regulatory signs



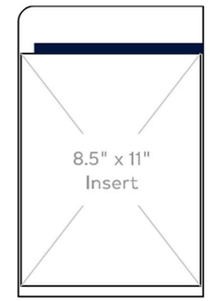


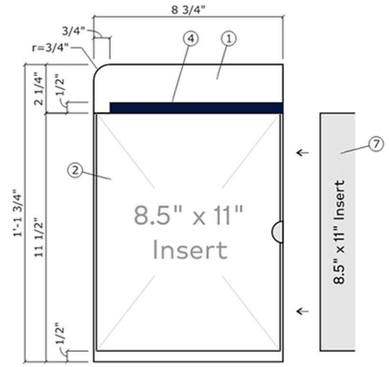
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6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.

R2.1 Exit

Sign types | Frames

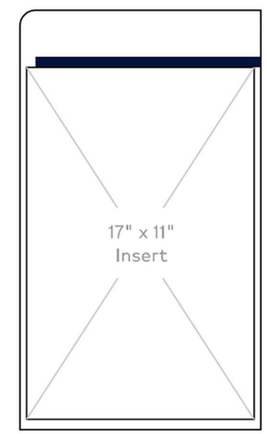


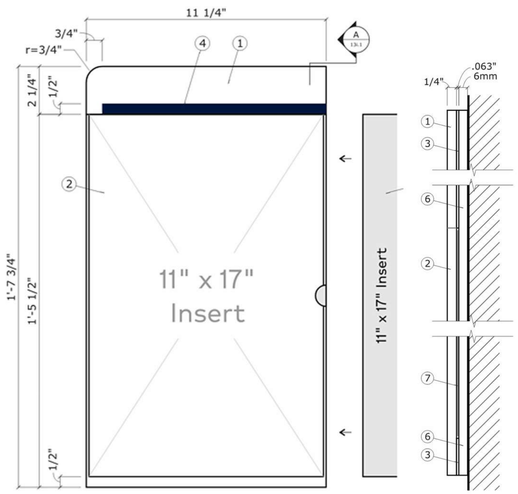


Notes

1. 1/4" thick clear frosted acrylic sign header (P95 finish). Mill finish edges.
2. 1/4" thick clear acrylic window. Mill finish edges. Provide notched along right edge to allow for removal of printed insert.
3. .063" Acrylic spacer to provide gap for paper insert.
4. Band to be first surface applied vinyl to match HCA Navy
5. Secure to wall with 3M VHB tape and structural adhesive as required.
6. 6mm white Sintra continuous backer sheet. Adhere second surface to sign face with optically clear sheet adhesive.
7. #20 lb. bright white printed paper insert on standard laser printer.

INF1.1 Paper insert





Notes

1. 1/4" thick clear frosted acrylic sign header (P95 finish). Mill finish edges.
2. 1/4" thick clear acrylic window. Mill finish edges. Provide notched along right edge to allow for removal of printed insert.
3. .063" Acrylic spacer to provide gap for paper insert.
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7. #20 lb. bright white printed paper insert on standard laser printer.

INF1.3 Paper insert

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TITLE
SIGNAGE DESIGN KEY

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Sign types | Branded letters



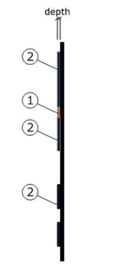
IS.B.x Blue plate letters



Alternate alignment



① Navy stacked plate letters (non-illuminated)
SCALE: NTS



② Side view
SCALE: NTS

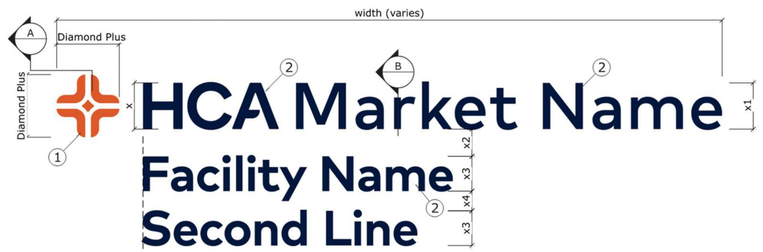
Sign Type	Dmd Plus	x	width	x1	x2	x3	x4	depth
IS.B.4	7 1/4"	4"	varies	2 3/8"	2 3/8"	1 3/4"	1"	1/4"
IS.B.5	9"	5"	varies	3"	3"	2 1/4"	1 1/4"	1/4"
IS.B.6	10 3/4"	6"	varies	3 3/4"	3 3/4"	2 5/8"	1 1/2"	1/4"
IS.B.7	1'-0 1/2"	7"	varies	4 1/4"	4 1/4"	3"	1 3/4"	1/4"
IS.B.8	1'-2 1/4"	8"	varies	4 7/8"	4 7/8"	3 1/2"	2"	1/4"
IS.B.9	1'-4 1/8"	9"	varies	5 1/2"	5 1/2"	3 7/8"	2 1/4"	1/4"
IS.B.10	1'-5 7/8"	10"	varies	6 1/8"	6 1/8"	4 3/8"	2 1/2"	1/4"



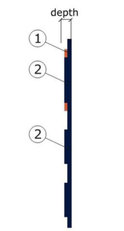
③ Alternate long facility name alignment
SCALE: NTS



IH.B.x Blue plate letters



④ Navy horizontal plate letters (non-illuminated)
SCALE: NTS



⑤ Side view
SCALE: NTS

Sign Type	Dmd Plus	x	width	x1	x2	x3	x4	depth
IH.B.4	5 3/8"	4"	varies	4"	2 1/4"	3"	1 3/4"	1/4"
IH.B5	6 3/4"	5"	varies	5"	2 7/8"	3 3/4"	2 1/8"	1/4"
IH.B.6	8 1/8"	6"	varies	6"	3 1/2"	4 1/2"	2 1/2"	1/4"
IH.B.7	9 1/2"	7"	varies	7"	4 1/8"	5 1/4"	3"	1/4"
IH.B.8	10 3/4"	8"	varies	8"	4 3/4"	6"	3 3/8"	1/4"

Notes:

1. Diamond Plus Mark face to be .25" aluminum. Paint finish HCA Orange. Semi-gloss finish. Size per table. Weld to aluminum returns.
2. "HCA Market Name" and facility name faces to be .25" aluminum. Paint finish HCA Navy. Semi-gloss finish. Use artwork provided by designer.
3. Attach to wall with VHB tape.

Notes:

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2. "HCA Market Name" and facility name faces to be .25" aluminum. Paint finish HCA Navy. Semi-gloss finish. Use artwork provided by designer.
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STATUS
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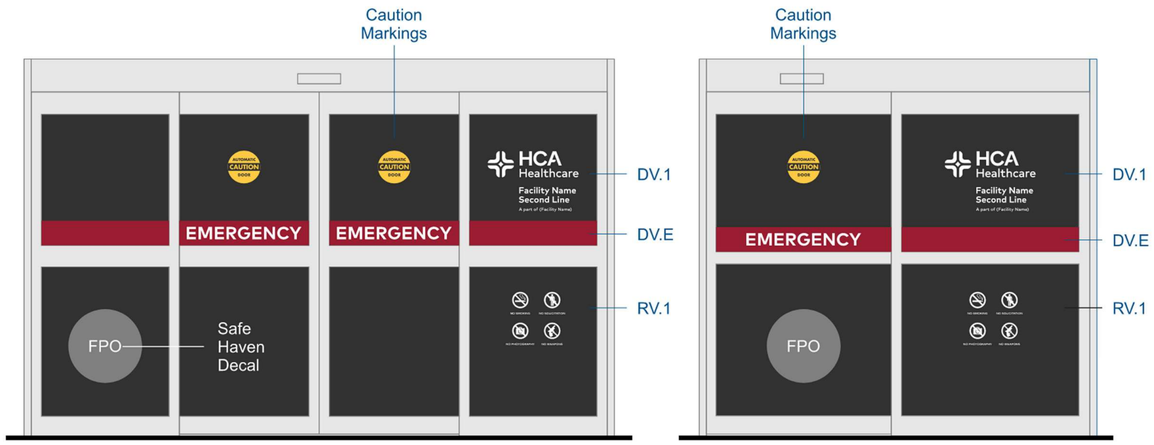
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ID # 0004305

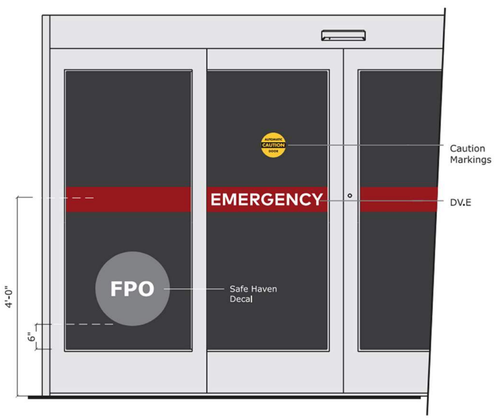
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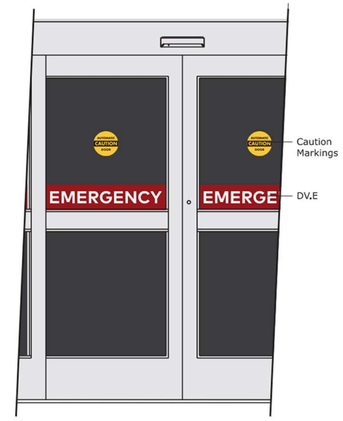
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SHEET
F1.8

Sign types | Door vinyls





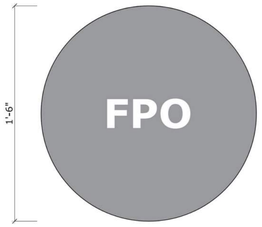




① DV.1



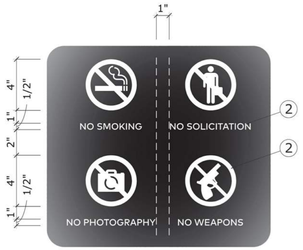
② Caution markings



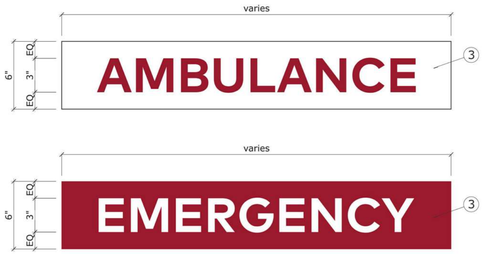
③ Safe Haven decal



④ DV.2



⑤ RV.1

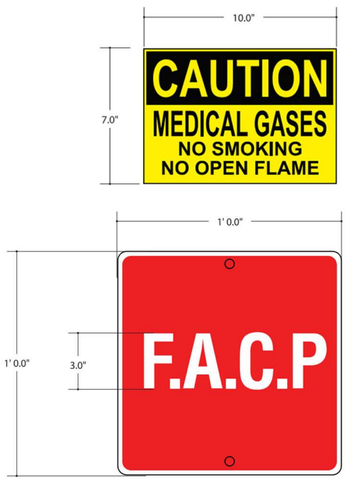


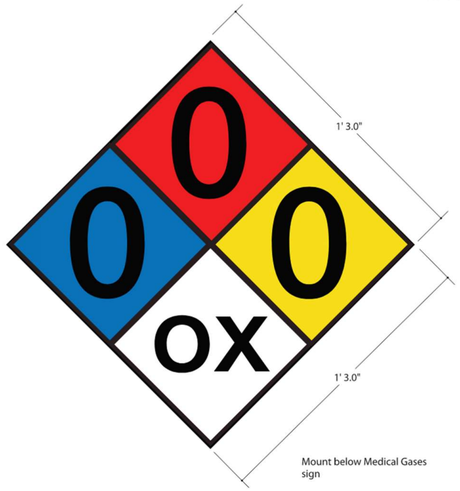
⑥ DV.E

G1.1 Branded glass door entry vinyl

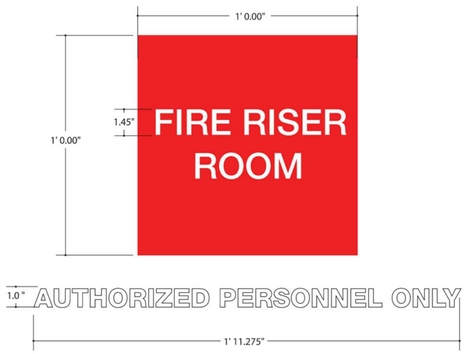
Sign types | Compliance







Mount below Medical Gases sign





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PROJECT # 225014.00
CLIENT #3090900030

SANTA ROSA FSER
HWY 98, FORT WALTON BEACH, FL 32459
HCA FLORIDA FORT WALTON-DESTIN HOSPITAL
1000 MARWALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS



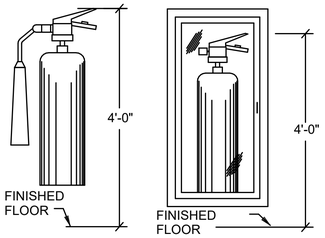
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TITLE
SIGNAGE DESIGN KEY

SHEET
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WALL HUNG FIRE EXTINGUISHER

FIRE EXTINGUISHER IN RECESSED CABINET

FIRE EQUIPMENT MOUNTING HEIGHTS

No Scale

1

NOTES:

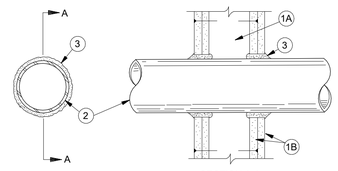
1. WHERE PENDANT STYLE HEADS ARE INDICATED AND AN ACOUSTICAL TILE CEILING IS TO BE INSTALLED, INSTALL PENDANT HEADS CENTERED IN BOTH DIRECTIONS.
2. ARMOVERS WHICH EXCEED 2' - 0" SHALL INCLUDE HANGERS TO STRUCTURE. IF SYSTEM PRESSURE EXCEEDS 100 PSI, ARMOVERS WHICH EXCEED 1' - 0" SHALL INCLUDE HANGERS TO STRUCTURE.
3. PROVIDE A MEANS OF SOLID UPLIFT RESTRAINT TO THE HANGER CLOSEST TO CEILING-MOUNTED PENDANT SPRINKLERS.
4. FLEXIBLE SPRINKLER HEADS ARE NOT ACCEPTABLE ON THIS PROJECT.

SPRINKLER HEAD DETAILS

No Scale

2

SYSTEM NO. W-L-1001
JUNE 15, 2005
F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* - NOM OR†IN. (13 OR 16 MM) THICK, 4 FT. (122 H 1/20CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).
2. THROUGH-PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   C. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
   D. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING
   E. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
      1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC
      2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OFFLOOR OR WALL ASSEMBLY. GASTITE, DIV OF TITEFLEX
      3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG INC
3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8. , 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH ¼ IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OFWALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

Maximum Pipe or Conduit Diameter Inches	F Rating Hours	F Rating Hours
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0
H.3M COMPANY - CP 25WB+ OR FB-3000 WT.

*BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2005-06-15

UL LISTED AND CLASSIFIED PRODUCTS UL RECOGNIZED COMPONENTS PRODUCTS CERTIFIED FOR CANADA

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THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-1001

No Scale

3

FIRE PROTECTION ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A/S	AUTOMATIC SPRINKLER	FPW	FIRE PROTECTION WET PIPE
FE	FIRE EXTINGUISHER	OS&Y	OUTSIDE SCREW & YOKE
FEC	FIRE EXTINGUISHER CABINET	W/	WITH

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	CONNECTION TO EXISTING
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER CABINET
	END CAP
F	FIRE PROTECTION WET PIPING

AUTOMATIC SPRINKLER AND FIRE PROTECTION NOTES

AS PART OF THIS PROJECT, FURNISH AND INSTALL A COMPLETE AUTOMATIC SPRINKLER SYSTEM FOR ALL NEW CONSTRUCTION. THE END PRODUCT SHALL PRODUCE A FULLY SPRINKLERED FACILITY. COORDINATE WITH THE ARCHITECTURAL PLANS FOR THE LIMITS OF CONSTRUCTION, CEILING HEIGHTS AND CEILING TYPES. REFER TO THE FIRE PROTECTION FLOOR PLANS FOR CONNECTION POINTS AND ZONING OF THE SYSTEM(S).

THE SPRINKLER SYSTEM SHALL BE SUPPLIED FROM THE FIRE RISER ASSEMBLY AND SHALL BE FURNISHED COMPLETE WITH STANDARD TRIM AND THE NECESSARY COMPONENTS TO INTERLOCK WITH THE BUILDING FIRE ALARM SYSTEM.

THE FIRE PROTECTION SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF NFPA, ALL LOCAL, COUNTY, AND STATE REGULATIONS, AS WELL AS THE FACILITY'S INSURANCE UNDERWRITER. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR WIRING OF THE VARIOUS TAMPER AND FLOW SWITCHES AS WELL AS AIR COMPRESSORS.

PRESSFIT STYLE FITTINGS AND THREADABLE, THIN WALL PIPING SHALL NOT BE UTILIZED ON THIS PROJECT. FLEXIBLE SPRINKLER HEAD DROPS ARE NOT ACCEPTABLE ON THIS PROJECT.

THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED BY THE SPRINKLER CONTRACTOR. PROVIDE CALCULATIONS FOR THE HYDRAULICALLY MOST DEMANDING AREA AND FOR EACH OCCUPANCY CLASSIFICATION. THE CALCULATIONS SHALL UTILIZE THE FOLLOWING CRITERIA:

1) PATIENT AREAS, OFFICE AREAS, EXAM AND TREATMENT ROOMS AND SIMILAR SPACES WHICH ARE SUBDIVIDED SHALL BE DESIGNED TO A LIGHT HAZARD OCCUPANCY CLASSIFICATION, HYDRAULICALLY BALANCED TO PRODUCE 0.1 GPM DENSITY OVER 1,500 SQUARE FEET. EXTENDED COVERAGE HEADS SHALL NOT BE UTILIZED. REDUCTION TO AREA AS ALLOWED IN NFPA 13 IS NOT ACCEPTABLE ON THIS PROJECT. INCLUDE 100 GPM FOR HOSE STREAMS.

2) STORAGE ROOMS, LAB, MECHANICAL AND ELECTRICAL ROOMS, CANOPIES, AND SIMILAR SPACES SHALL BE DESIGNED TO AN ORDINARY HAZARD GROUP I OCCUPANCY CLASSIFICATION, HYDRAULICALLY BALANCED TO PRODUCE 0.15 GPM DENSITY OVER 1,500 SQUARE FEET. INCLUDE 250 GPM FOR HOSE STREAMS.

ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE AND PROVIDED WITH TEMPERATURE RATINGS AS DICTATED BY NFPA FOR THE SPACES SERVED AND PER THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. THE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF PIPING AND HEADS WITH LIGHT FIXTURES, DIFFUSERS, DUCTWORK, PLUMBING LINES, ETC., AND MAKE MINOR ADJUSTMENTS IN THE SPRINKLER LAYOUT WHERE REQUIRED OR DEEMED NECESSARY BY THE ARCHITECT. ALL SPRINKLER HEADS SHALL BE LOCATED SYMMETRICALLY IN ALL AREAS AND CENTERED IN CEILING TILES. PROVIDE SPRINKLER HEADS BY TYPE AS FOLLOWS:

A. IN AREAS WITH A LAY-IN, TILE CEILING, PROVIDE CHROME-PLATED, SEMI-RECESSED, QUICK RESPONSE TYPE SPRINKLER HEADS. ASSOCIATED SPRINKLER PIPING SHALL BE ROUTED ABOVE THE CEILING AND IN FURRED SPACES, CHASES, ETC., TO COMPLETELY CONCEAL ALL PIPING.

B. IN AREAS WITHOUT FINISHED CEILINGS, PROVIDE BRASS, UPRIGHT QUICK RESPONSE TYPE SPRINKLER HEADS. ASSOCIATED SPRINKLER PIPING SHALL BE ROUTED EXPOSED TO VIEW. WHERE EXPOSED IN OCCUPIED SPACES, PAINT PIPE TO MATCH ADJOINING AREAS (COLOR SELECTED BY ARCHITECT). PROVIDE AND INSTALL HARD-WIRE CAGE SPRINKLER GUARDS ON ALL SPRINKLER HEADS SUBJECT TO MECHANICAL DAMAGE.

C. IN AREAS WITH A FINISHED GYP BOARD CEILING (INCLUDING SOFFITS), PROVIDE CONCEALED, FULLY RECESSED QUICK RESPONSE TYPE SPRINKLER HEADS WITH WHITE COVER PLATE. ASSOCIATED SPRINKLER PIPING SHALL BE ROUTED IN FURRED SPACES, CHASES, ETC., TO COMPLETELY CONCEAL ALL PIPING.

IN ADDITION, PROVIDE CONCEALED, FULLY RECESSED QUICK RESPONSE TYPE SPRINKLER HEADS WITH WHITE COVER PLATE IN ALL LOBBIES, WAITING ROOMS, IMAGING ROOMS, EXAM ROOMS AND PATIENT ISOLATION ROOMS AND ASSOCIATED TOILETS.

WALTON COUNTY, FL - APPLICABLE CODE LIST (INCLUDING BUT NOT LIMITED TO:

FLORIDA BUILDING CODE, 8TH EDITION	2023
FLORIDA MECHANICAL CODE, 8TH EDITION	2023
FLORIDA PLUMBING CODE, 8TH EDITION	2023
FLORIDA FUEL GAS CODE, 8TH EDITION	2023
FLORIDA ACCESSIBILITY CODE, 8TH EDITION	2023
FLORIDA FIRE PREVENTION CODE, 8TH EDITION	2023
FLORIDA ENERGY CONSERVATION CODE, 8TH EDITION	2023
FLORIDA BUILDING CODE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES, 8TH EDITION	2023
FGI GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES	2022
NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2019
NFPA 101 LIFE SAFETY CODE	2021
NFPA 99: HEALTH CARE FACILITIES CODE	2021

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www.icthomasson.com
ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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PROJECT # 225014.00

SANTA ROSA FSER
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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

Phillip D. Barbe
2025.12.15

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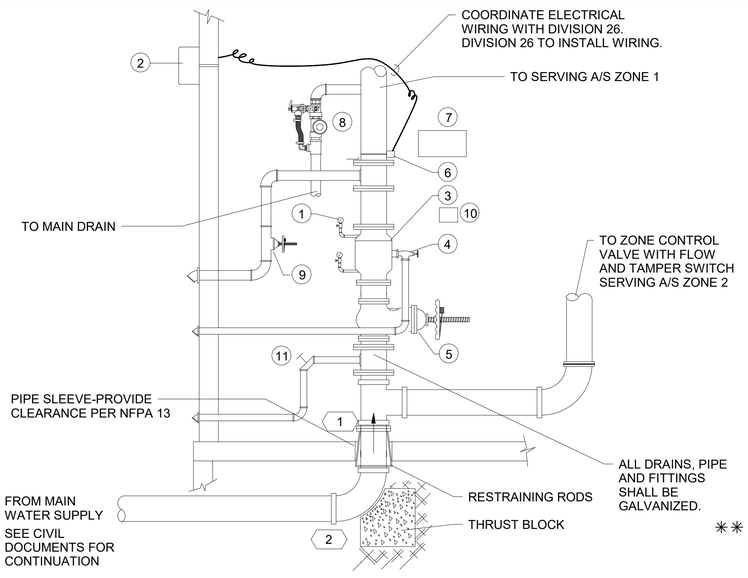
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TITLE: FIRE PROTECTION - SCHEDULES & DETAILS

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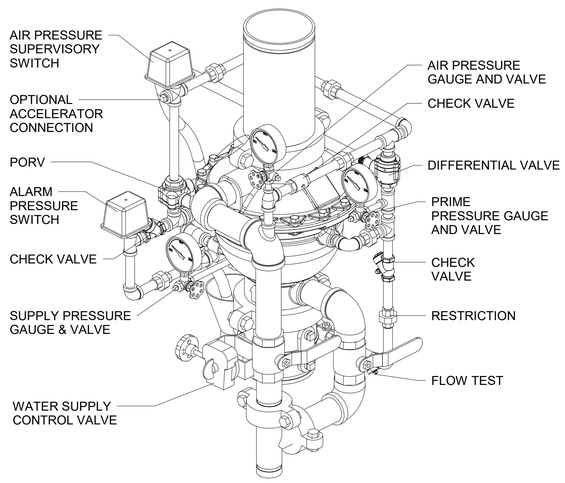
1. WATER GAUGE
2. ELECTRIC BELL
3. WET PIPE ALARM VALVE
4. MAIN DRAIN
5. O.S.&Y GATE VALVE WITH TAMPER SWITCH.
6. FLOW SWITCH (FIRE ALARM CONNECTION BY OTHERS)
7. SPARE SPRINKLER CABINET
8. INSPECTOR TEST AND DRAIN WITH SIGHT GLASS
9. FORWARD FLOW TEST OS&Y GATE VALVE WITH TAMPER SWITCH. VALVE SHALL BE IN NORMALLY CLOSED POSITION.
10. RISER NAME PLATE
11. PRESSURE RELIEF VALVE SET TO 175 PSI

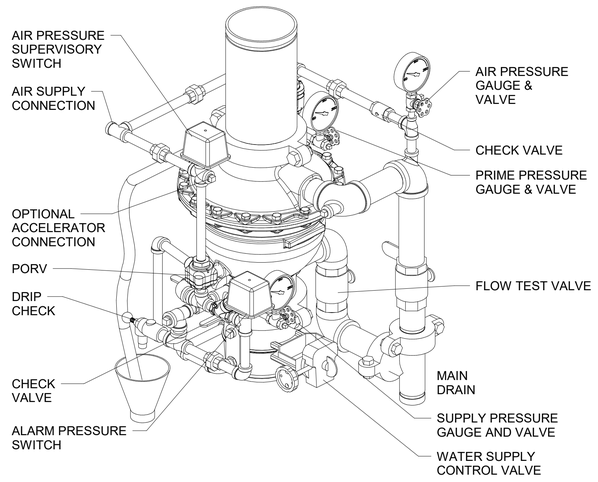
✳✳ NOTE:
CONTRACTOR HAS OPTION TO PROVIDE WATER MOTOR GONG. PROVIDE PIPING, RETARDING CHAMBER, VALVES, ETC. AS REQUIRED FOR A FUNCTIONING SYSTEM AT NO ADDITIONAL COST TO OWNER.

WET SPRINKLER RISER DIAGRAM WITH ELECTRIC BELL

No Scale

1





DRY PIPE VALVE ASSEMBLY

No Scale

2

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2025.12.15

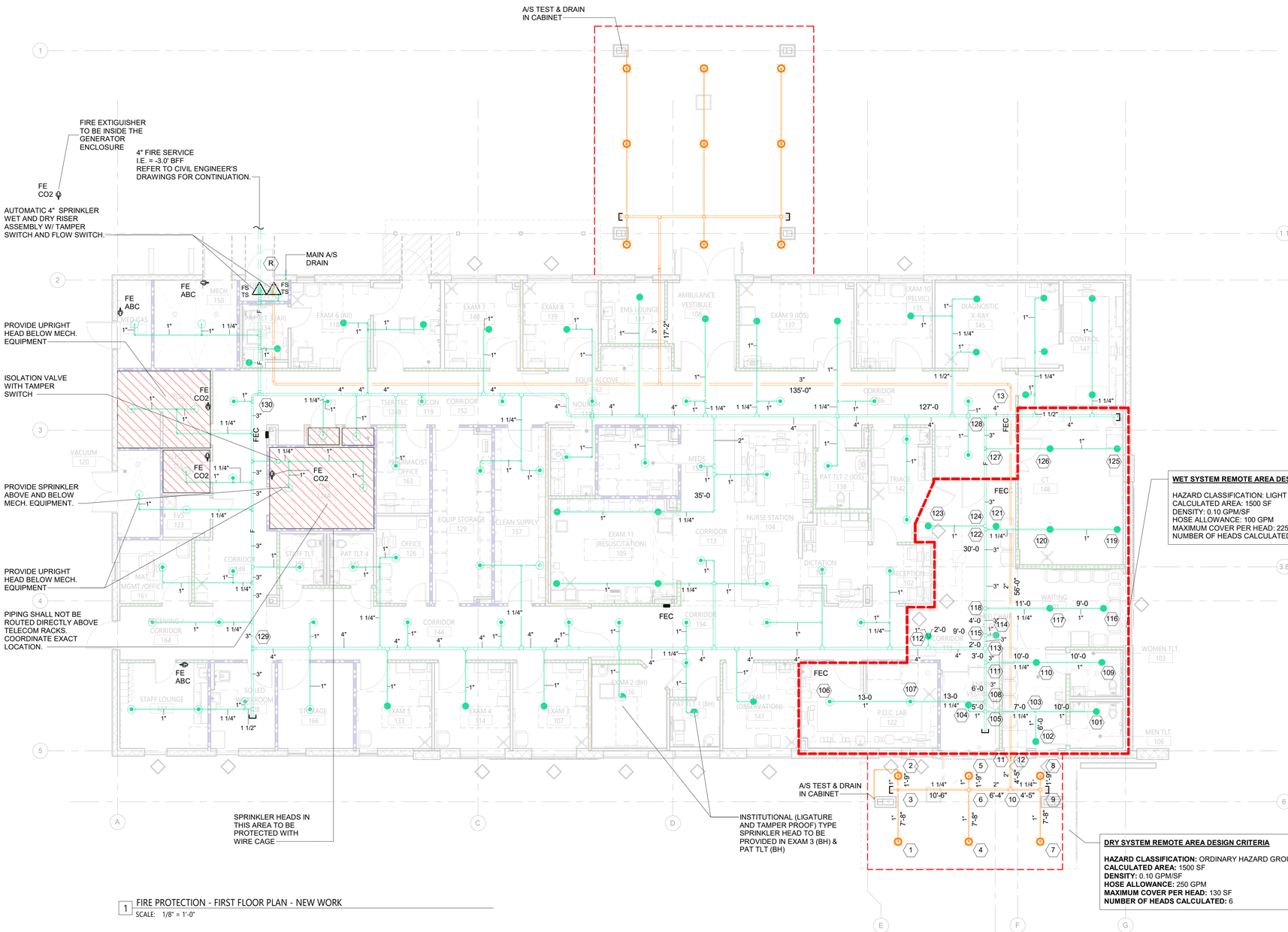
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TITLE
FIRE PROTECTION - DETAILS

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1 FIRE PROTECTION - FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

WET SYSTEM REMOTE AREA DESIGN CRITERIA

HAZARD CLASSIFICATION: LIGHT HAZARD
CALCULATED AREA: 1500 SF
DENSITY: 0.10 GPM/SF
HOSE ALLOWANCE: 100 GPM
MAXIMUM COVER PER HEAD: 225 SF
NUMBER OF HEADS CALCULATED: 17

DRY SYSTEM REMOTE AREA DESIGN CRITERIA

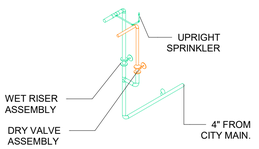
HAZARD CLASSIFICATION: ORDINARY HAZARD GROUP 1
CALCULATED AREA: 1500 SF
DENSITY: 0.10 GPM/SF
HOSE ALLOWANCE: 250 GPM
MAXIMUM COVER PER HEAD: 130 SF
NUMBER OF HEADS CALCULATED: 6

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.



2 FP - RISER ROOM
SCALE:

SPRINKLER HEAD SCHEDULE

SYMBOL	DESCRIPTION	TEMP °F	K- FACTOR
●	FULLY CONCEALED	155	5.6
◉	RECESSED	155	5.6
○	BRASS UPRIGHT	155	5.6
◒	INSTITUTIONAL	155	5.6
⊗	FULLY CONCEALED DRY	155	5.6

1. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE
2. FULLY CONCEALED HEADS TO BE WHITE UNLESS NOTED OTHERWISE
3. FINAL LOCATION OF ALL SPRINKLER HEADS TO BE COORDINATED WITH FINAL CEILING LAYOUT
4. ALL SPRINKLER HEADS RUN-OUTS SHALL BE A MINIMUM OF 1" DIAMETER
5. PROVIDE SPRINKLER HEADGUARDS IN ALL AREAS WITH UPRIGHT SPRINKLER HEADS.

ICT
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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

Phillip D. Barbe 2025.12.15
PHILLIP D. BARBE LICENSE No. 80976 STATE OF FLORIDA PROFESSIONAL ENGINEER

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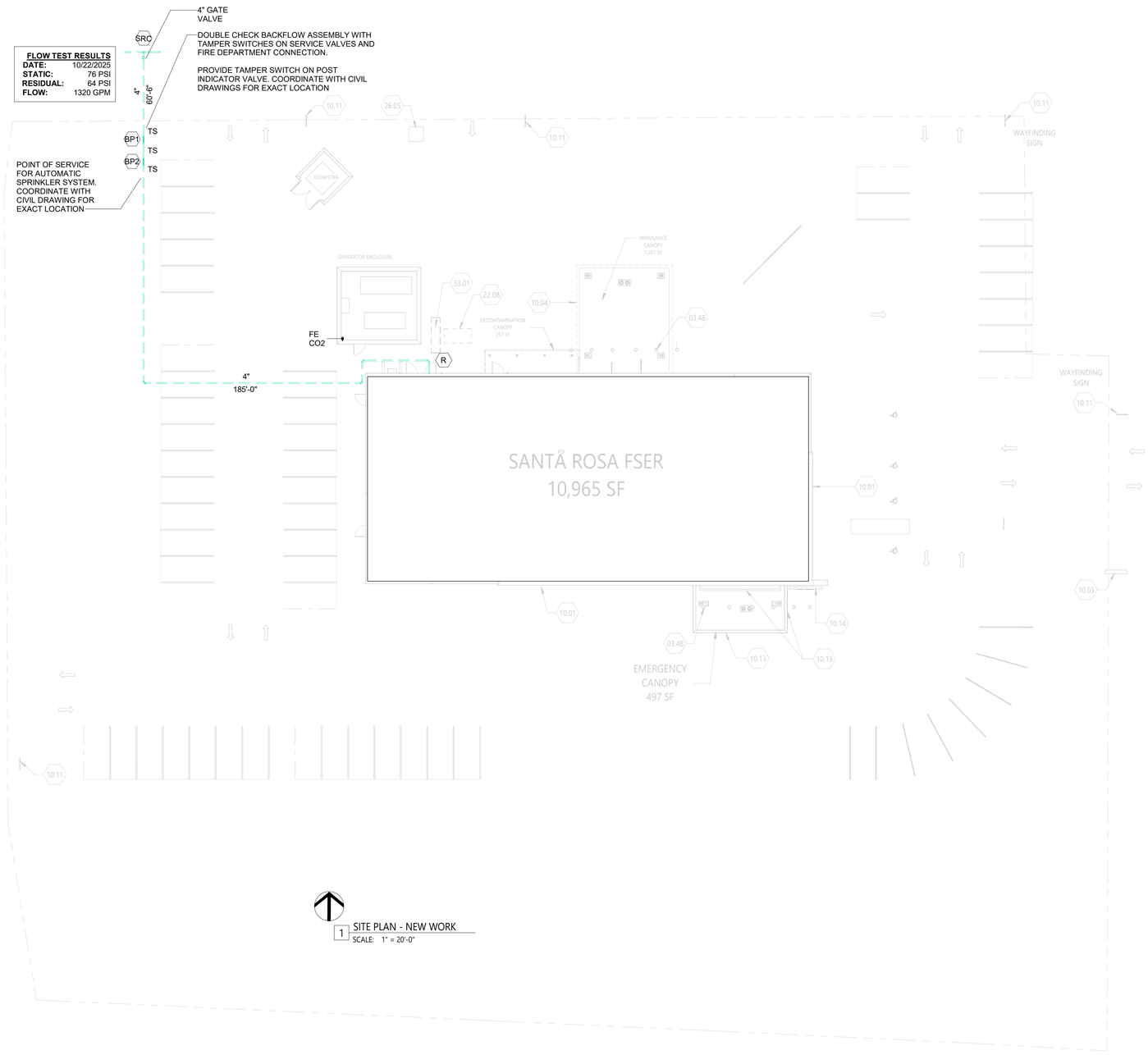
DATES OF ISSUANCE
12/18/2025

TITLE: FIRE PROTECTION - FIRST FLOOR PLAN - NEW WORK

SHEET: FP101

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1 SITE PLAN - NEW WORK
SCALE: 1" = 20'-0"

THIS SHEET IS FOR HYDRAULIC INFORMATION ONLY. REFER TO CIVIL DRAWINGS UTILITY PLAN SHEET FOR CONSTRUCTION DETAILS.

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STATUS CONSTRUCTION DOCUMENTS

Phillip D. Barbe
2025.12.15

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DATES OF ISSUANCE
12/18/2025

TITLE FIRE PROTECTION - SITE PLAN - NEW WORK

SHEET FP102

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PLUMBING FIXTURE CONNECTION SCHEDULE

P. NO.	DESCRIPTION	WASTE	VENT	COLD WATER	HOT WATER
P-101	WATER CLOSET (FM, FV, ACC.)	4"	2"	1-1/4"	---
P-107	WATER CLOSET (FM, FV, ANTI-LIGATURE, ACC.)	4"	2"	1-1/4"	---
P-301	LAVATORY (WH, GN, WB, ACC.)	2"	2"	1/2"	1/2"
P-304	LAVATORY (WH, GN, WB, ACC.)	2"	2"	1/2"	1/2"
P-310	LAVATORY/EYEWASH (WH)	2"	2"	1/2"	1/2"
P-312	LAVATORY (WH, GN, WB, LAB)	2"	2"	1/2"	1/2"
P-313	LAVATORY (BARIATRIC, GN, WB, ACC.)	2"	2"	1/2"	1/2"
P-331	LAVATORY (WH, GN, WB, ANTI-LIGATURE, ACC.)	2"	2"	1/2"	1/2"
P-402	SINK (SS, GN, WB)	2"	2"	1/2"	1/2"
P-410	SINK (SS, GN, WB, LAB)	2"	2"	1/2"	1/2"
P-413	SINK (UNDERMOUNT, GN, WB, ACC.)	2"	2"	1/2"	1/2"
P-502	CLINICAL SINK	4"	2"	1"	1/2"
P-503	SCRUB SINK	2"	2"	1/2"	1/2"
P-504	SERVICE BASIN	3"	2"	1/2"	1/2"
P-608	SHOWER	2"	2"	1/2"	1/2"
P-701	FLOOR DRAIN (REG.)	AS SHOWN	AS SHOWN	---	---
P-702	FLOOR DRAIN (MECH.)	AS SHOWN	AS SHOWN	---	---
P-710	ROOF DRAIN	AS SHOWN	AS SHOWN	---	---
P-711	OVERFLOW ROOF DRAIN	AS SHOWN	AS SHOWN	---	---
P-721	FLOOR DRAIN (PROCESS, A.R.E. COATED)	AS SHOWN	AS SHOWN	---	---
P-724	DOWNSPOUT NOZZLE	AS SHOWN	AS SHOWN	---	---
P-801	WALL HYDRANT (EXTERIOR)	---	---	3/4"	---
P-802	HOSE BIBB (INTERIOR)	---	---	1/2"	---
P-804	ICE/COFFEE MAKER CONNECTION	---	---	1/2"	---
P-811	WATER COOLER (HI-LOW)	2"	2"	1/2"	---
P-812	EMERGENCY SHOWER / EYEWASH	2"	2"	3/4"	3/4"
P-814	WALL HYDRANT (DUAL TEMP)	---	---	1/2"	1/2"
P-815	ICE/COFFEE MAKER CONNECTION W/ WALL BOX	2"	2"	1/2"	1/2"
P-816	EMERGENCY EYEWASH (WALL MOUNTED)	2"	2"	1/2"	1/2"
P-817	DECONTAM SHOWER	2"	2"	1/2"	1/2"
P-819	ROOF HYDRANT	---	---	3/4"	---
P-901	LAVATORY (WH, SENSOR,ANTI-LIGATURE, ACC.)	2"	2"	1/2"	1/2"

NOTES:
1. ALL WALL MTD. FIXTURES SHALL BE PROVIDED WITH FLOOR MOUNTED, CONCEALED ARM WALL CARRIER.
2. ALL EXPOSED P-TRAPS SHALL BE PROVIDED W/LAV SHIELDS.
3. PROVIDE BACKFLOW PREVENTER AT CONNECTION TO OWNER FURNISHED EQUIPMENT PER IPC.
4. PROVIDE AND INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS. TRAP PRIMER SUPPLY TO BE 1 1/4" CW OR SMALLER.
5. IN ADDITION TO SERVICE VALVES SHOWN ON PLANS, PROVIDE AND INSTALL ISOLATION VALVES ON HOT AND COLD WATER SUPPLY PIPING TO EACH PLUMBING FIXTURE, INCLUDING TRAP PRIMERS.
6. SHOCKTROL TO BE ZURN SERIES Z-1700 OR EQUAL. SIZE AS INDICATED ON WATER RISER DIAGRAM. PROVIDE ACCESS TO ALL SHOCKTROLS THRU ACCESS PANELS, LAY-IN CEILINGS, WALL IN CHASE.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS OF FIXTURES.
8. P-804 TO BE LOCATED IN WALL AT OFE ICE MAKERS. OWNER FURNISHED FILTER TO BE INSTALLED IN CASEWORK. ROUTE DRAIN PIPING FROM ICEMAKERS TO FLOOR DRAIN AS INDICATED ON PLANS.
9. REFER TO INTERIOR FINISH DRAWINGS FOR ALL FIXTURES REQUIRING COLOR SELECTION.

PLUMBING FIXTURE OCCUPANCY SCHEDULE

FBC-P Table 403.1

Classification	Occupancy	Description	Water Closets Per FBC-P Table 403.1	Number of Rooms*	Number of People	Water Closets Required	Water Closets Provided	FBC Compliant
Institutional	I-2	Hospitals, ambulatory nursing home care recipient	1 per room*	1	N/A	1	3	Yes
		Employees, other than residential	1 per 25	N/A	≤ 24	1	2	Yes
		Visitors, other than residential care	1 per 75	N/A	≤ 74	1	2	Yes

FBC-P Table 403.1

Classification	Occupancy	Description	Lavatories Per FBC-P Table 403.1	Number of Rooms*	Number of People	Lavatories Required	Lavatories Provided	FBC Compliant
Institutional	I-2	Hospitals, ambulatory nursing home care recipient	1 per room*	1	N/A	1	3	Yes
		Employees, other than residential	1 per 35	N/A	≤ 24	1	2	Yes
		Visitors, other than residential care	1 per 100	N/A	≤ 74	1	2	Yes

FBC-P Table 403.1

Classification	Occupancy	Description	Drinking Fountains Per FBC-P Table 403.1	Number of Rooms*	Number of People	Drinking Fountains Required	Drinking Fountains Provided	FBC Compliant
Institutional	I-2	Hospitals, ambulatory nursing home care recipient	1 per 100	N/A	15	1	1	Yes
		Employees, other than residential	1 per 100	N/A	≤ 24	1	1	Yes
		Visitors, other than residential care	1 per 500	N/A	≤ 74	1	1	Yes

FBC-P Table 403.1

Classification	Occupancy	Description	Other Per FBC-P Table 403.1	Number of Floors	Number of People	Service Sinks Required	Service Sinks Provided	FBC Compliant
Institutional	I-2	Hospitals, ambulatory nursing home care recipient	1 service sink per floor	1	N/A	1	1	Yes
		Employees, other than residential	1 per 35	N/A	N/A	0	0	Yes
		Visitors, other than residential care	1 per 100	N/A	N/A	0	0	Yes

* The ED does not containing sleeping rooms therfore, only 1 room is used for calculations.

WATER SOFTENER SCHEDULE

TAG	MANUFACTURER.	CONT. FLOW @ 15 PSI DROP	PEAK FLOW @ 25 PSI DROP(GPM)	PIPE & VALVE SIZE	CAPACITY / TANK	LOCATION
WS-1	CULLIGAN CTM-90 PROGRESSIVE FLOW DUPLEX OR EQUAL	57 GPM	75 GPM	2" INLET/ OUTLET	3 FT³ / VESSEL	MECH. ROOM

NOTE:
1. WATER SOFTENER SUPPLIER TO PROVIDE FACTORY REPRESENTATIVE FOR START-UP.
2. PROVIDE BYPASS W/SERVICE VALVE NORMALLY CLOSED

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A	MEDICAL AIR LINE
ACC	ACCESSIBLE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AVTR	ACID VENT THROUGH ROOF
BPW	BED PAN WASHER
CLG	CEILING
CONT	CONTINUATION
COORD	COORDINATION
CO	CLEAN OUT
CW	COLD WATER LINE
DN	DOWN
DWG	DRAWING
EA	EACH
FM	FLOOR MOUNTED
FD	FIRE PROTECTION DRY PIPE
F	FIRE PROTECTION WET PIPE
FV	FLUSH VALVE
GN	GOOSENECK
GPM	GALLONS PER MINUTE
HW	HOT WATER LINE
HWR	HOT WATER RETURN
LAV	LAVATORY
LPA	LINE PRESSURE ALARM
MAP	MASTER ALARM PANEL
MECH	MECHANICAL
MTD	MOUNTED
O2	OXYGEN LINE
OFE	OWNER FURNISHED EQUIPMENT
PAT	PATIENT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RWL	RAINWATER PIPING
SS	SANITARY SEWER PIPING
SD	UNDERGROUND STORM PIPING
SF	SQUARE FOOT
V	MEDICAL VACUUM PIPING
VTR	VENT THROUGH ROOF
WB	WRIST BLADE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HUNG

WALTON COUNTY, FL - APPLICABLE CODE LIST (INCLUDING BUT NOT LIMITED TO:

FLORIDA BUILDING CODE, 8TH EDITION	2023
FLORIDA MECHANICAL CODE, 8TH EDITION	2023
FLORIDA PLUMBING CODE, 8TH EDITION	2023
FLORIDA FUEL GAS CODE, 8TH EDITION	2023
FLORIDA ACCESSIBILITY CODE, 8TH EDITION	2023
FLORIDA FIRE PREVENTION CODE, 8TH EDITION	2023
FLORIDA ENERGY CONSERVATION CODE, 8TH EDITION	2023
FLORIDA BUILDING CODE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES, 8TH EDITION	2023
FGI GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES	2022
NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2019
NFPA 101 LIFE SAFETY CODE	2021
NFPA 99: HEALTH CARE FACILITIES CODE	2021

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	REDUCED PRESSURE BACKFLOW PREVENTER
	P TRAP
	BALL VALVE
	MEDICAL GAS ZONE VALVE BOX
	MEDICAL GAS ALARM PANEL
A	MEDICAL GAS DESIGNATION
	FLOOR DRAIN
P- No.	PLUMBING FIXTURE DESIGNATION
	END CAP
CW	COLD WATER SUPPLY
HW	HOT WATER SUPPLY
HWR	HOT WATER RETURN
SV	SANITARY VENT
AW	ACID WASTE
AV	ACID VENT

HOT WATER CIRCULATING PUMP SCHEDULE

TAG	MANUFACTURER	MODEL NO.	GPM	HEAD/FT.	HORSE POWER	ELECTRICAL CHARACTERISTICS	LOCATION
CP-1	GRUNDFOS	UP15-55SFC	4	10	FRACTIONAL	120/1/60	MECH. ROOM

GAS INSTANTANEOUS WATER HEATER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	GPM	GAS INPUT (B.T.U.H.)	LOCATION
WH-1	INTELLIHOT	i200 GEN II	5	199,950	MECH. ROOM
WH-2	INTELLIHOT	i200 GEN II	5	199,950	MECH. ROOM

MEDICAL VACUUM PUMP SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	ELECTRICAL CHARACTERISTICS	HORSE POWER	TOTAL SYSTEM CAPACITY
VP-1	BEACON MEDAES	VHV02D-060H-D_V	CLAW-DUPLEX	480/3/60	2 HP DUPLEX	16 SCFM EACH

MEDICAL GAS SCHEDULE

SYMBOL	TYPE OUTLET	GASES	LOCATION
A	WALL OUTLETS	(2)O2, (1)A, (3)V, (3)SL	TRAUMA
B	WALL OUTLETS	(1)O2, (1)A, (1)V, (1)SL	EXAM
C	WALL OUTLETS	(1)O2, (1)A, (1)V, (1)SL	CT, RAD., AND DECON.
D	WALL OUTLETS	(1)O2, (1)V, (1)SL	TRIAGE
E	LINE PRESSURE ALARM	O2, A, V	NURSE'S STATION
F	MASTER ALARM PANEL	O2, A, V	NURSE'S STATION & NURSE MANAGER

NOTE:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS
2. MEDICAL GAS WALL OUTLETS TO BE AMICO, PIN INDEX.

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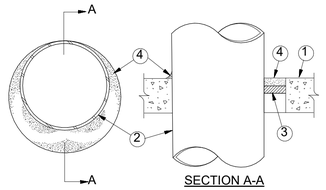
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SYSTEM NO. C-AJ-1001
MARCH 05, 2007
F RATING - 3 HR
T RATING - 0 HR
W RATING - CLASS 1 (SEE ITEM 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF CIRCULAR THROUGH OPENING IS 32-1/2 IN. (826 MM).

   SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE - (OPTIONAL, NOT SHOWN) - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 IN. (51 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.

2. THROUGH - PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM, POINT CONTACT) TO MAX 1-3/8 IN. (35 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   A1. IRON PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

   B. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) RIGID STEEL CONDUIT.

   C. CONDUIT - NOM 4 IN. (152 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF SOLID CONCRETE OR CONCRETE BLOCK WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX PIPE SIZE IS 10 IN. (254 MM) DIAM AND WHEN MAX ANNULAR SPACE IS 1 IN. (25 MM), A MIN 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN 1/2 IN. (13 MM) FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF SOLID CONCRETE WALL.

4. FILL, VOID OR CAVITY MATERIALS* - CAULK - APPLIED TO FILL THE ANNULAR SPACE TO THE MIN THICKNESS SHOWN IN THE FOLLOWING TABLE:

Maximum Pipe Diameter Inches	Maximum Annular Space Inches	Packing Material Type (a)	Minimum Caulk Thickness Inches
10 (254)	1 (25)	BR, CF, GF or MW	1/2 (13) (B)
10 (254)	1 (25)	CF or MW	1/2 (13) (C)
30 (762)	2 1/2(64)	BR, CF, GF or MW	1 (25) (B)

(A) BR=POLYETHYLENE BACKER ROD.
CF=CERAMIC FIBER BLANKET.
GF=GLASS FIBER INSULATION.
MW=MINERAL-WOOL BATT.
(B) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL
(C) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF SOLID (NON-CONCRETE BLOCK) WALL

3M COMPANY - TYPE CP 25WB+ OR FB-3000 WT

(NOTE - W RATING APPLIES ONLY WHEN FB-3000 WT IS USED.)

*BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2007-03-05

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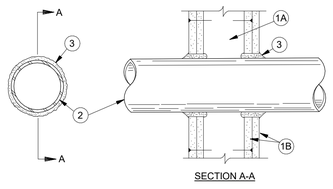
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THROUGH-PENETRATION FIRESTOP SYSTEMS C-AJ-1001
No Scale
1

SYSTEM NO. W-L-1001
JUNE 15, 2005
F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

   B. GYPSUM BOARD* - NOM OR†IN. (13 OR 16 MM) THICK, 4 FT. (122 H 1/20CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

   C. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING

   D. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING

   E. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

   F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

   1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC

   2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OFFLOOR OR WALL ASSEMBLY. GASTITE, DIV OF TITEFLEX

   3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG INC

3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8. , 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH ¼ IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OFWALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

Maximum Pipe or Conduit Diameter Inches	F Rating Hours	F Rating Hours
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0
H.3M COMPANY - CP 25WB+ OR FB-3000 WT.

*BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2005-06-15

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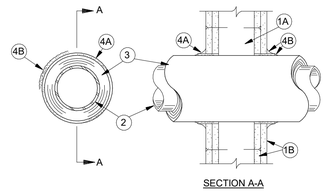
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THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-1001
No Scale
2

SYSTEM NO. W-L-5001
MAY 19, 2005
F RATINGS - 1 AND 2 HR (SEE ITEM 1)
T RATINGS - 3/4 , 1 AND 1 1/2 HR (SEE ITEM 3)
L RATING AT AMBIENT - 2 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

   B. GYPSUM BOARD* - NOM 5/8 IN. (16 MM) THICK, 4 FT (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 14-1/2 (368MM) IN FOR WOOD STUD WALLS AND 18 IN. (457 MM) FOR STEEL STUD WALLS.
   THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS 1 HR WHEN INSTALLED IN A 1 HR FIRE RATED WALL AND 2 HR WHEN INSTALLED IN A 2 HR FIRE RATED WALL.

2. THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:

   A. STEEL PIPE - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

   C. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. PIPE COVERING* - NOM 1 OR 2 IN. (25 OR 51 MM) THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF OR 56 KG/M3) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENERS OR WITH BUTT STRIP TAPE SUPPLIED WITH THE PRODUCT. WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED, THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/4 IN. (6 MM) TO MAX 3/8 IN. (10 MM) WHEN NOM 2 IN. (51 MM) THICK PIPE COVERING IS USED, THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM BOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/2 IN. (13 MM) TO MAX 3/4 IN. (19 MM).
   SEE PIPE AND EQUIPMENT COVERING MATERIALS (BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
   THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 3/4 HR WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 1 HR AND 1-1/2 HR WHEN NOM 2 IN. (52 MM) THICK PIPE COVERING IS USED WITH 1 HR AND 2 HR FIRE RATED WALLS, RESPECTIVELY.

4. FIRESTOP SYSTEM - INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:

   A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM 1/4 IN. (6 MM) THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL. SUPPLIED IN 2 IN. (51 MM) WIDE STRIPS. NOM 2 IN. (51 MM) WIDE STRIP TIGHTLY WRAPPED AROUND PIPE COVERING (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX 1-1/4 IN. (32 MM) SUCH THAT APPROX 3/4 IN. (19 MM) OF THE WRAP STRIP WIDTH PROTRUDES FROM THE WALL SURFACE. ONE LAYER OF WRAP STRIP IS REQUIRED WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED. TWO LAYERS OF WRAP STRIP ARE REQUIRED WHEN NOM 2 IN. (51 MM) THICK PIPE COVERING IS USED.

   3M COMPANY - FS-195+

   B. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT 15/32 MIN 1/4 IN. (6 MM) DIAM CONTINUOUS BEAD APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYER APPROX 3/4 IN. (19 MM) FROM THE WALL SURFACE.
   3M COMPANY - CP 25WB+, IC 15WB+, FIREDAM 150+ CAULK OR FB-3000 WT SEALANT

   *BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2005-05-19

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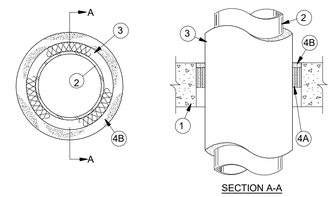
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THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-5001
No Scale
3

SYSTEM NO. C-AJ-5002
SEPTEMBER 03, 2004
(FORMERLY SYSTEM NO. 91-B)
F RATINGS - 2 AND 3 HR (SEE ITEMS 1A AND 4)
T RATINGS - 0, 1/2 AND 1 HR (SEE ITEMS 1A AND 4)
L RATING AT AMBIENT - 2 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 36 IN.
   SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE - (OPTIONAL, NOT SHOWN) - NOM 36 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO MIN 4-1/2 IN. THICK CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 IN. FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL. WHEN STEEL SLEEVE IS USED, F RATING IS 2 HR AND T RATING IS 0 HR.

2. PIPE - NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER PIPE. NOM 15 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 30 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE OR NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE CENTERED IN THE OPENING AND RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY.

3. PIPE COVERING* - NOM 1, 2 OR 3 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN. 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT STRIP TAPE SUPPLIED WITH THE PRODUCT.

   SEE PIPE AND EQUIPMENT COVERING - MATERIALS* (BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

4. FIRESTOP SYSTEM - THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:

   A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM 1/4 IN. THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL. SUPPLIED IN 2 IN. WIDE BY 24 IN. LONG STRIPS. NOM 2 IN. WIDE STRIPS TIGHTLY-WRAPPED AROUND PIPE COVERING (FOIL SIDE EXPOSED) TO FILL ANNULAR SPACE. EACH LAYER OF WRAP STRIP IS TO BE INSTALLED WITH A BUTTED SEAM, WITH THE BUTTED SEAMS IN SUCCESSIVE LAYERS STAGGERED. WRAP STRIP LAYERS SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLIDE INTO ANNULAR SPACE SUCH THAT THE TOP EDGES ARE RECESSED MIN 1/2 IN. FORM TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, THE WRAP STRIP LAYERS SHALL BE INSTALLED IN THE SAME MANNER USED FOR FLOOR ASSEMBLIES BUT SHALL BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE WALL. THE MIN NUMBER OF WRAP STRIP LAYERS REQUIRED IS DEPENDENT UPON THE MAX PIPE SIZE AND THE PIPE COVERING THICKNESS, AS SHOWN IN THE FOLLOWING TABLE:

Minimum Floor or Wall Thickness In.	Maximum Pipe Diameter Inches	Nominal Pipe Covering Thkns In.	Annular Space Inches	Min No. of Wrap Strip Layers	F Rating Hour	T Rating Hour
2-1/2	6	1	1/4 to 3/8	1	2	1
2-1/2	6	2	1/2 to 5/8	2	2	1
2-1/2	12	1	1/4 to 3/8	1	2	1/2
4-1/2	12	1	1/4 to 3/8	1	2	1
4-1/2	12	2	1/2 to 5/8	2	2	1
4-1/2	20	1	1/2 to 1	2	3	1
4-1/2	30	2	3/4 to 1 1/4	3	2	1
4-1/2	20	3	1 to 1 1/2	4	2	1

3M COMPANY - FS-195+

B. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE (OVER EDGES OF WRAP STRIP LAYERS) TO A MIN DEPTH OF 1/2 IN., FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.

3M COMPANY - CP 25WB+ OR FB-3000 WT

*BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2004-09-03

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THROUGH-PENETRATION FIRESTOP SYSTEMS C-AJ-5002
No Scale
4

ICT
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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

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PROJECT # 225014.00

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STATUS
CONSTRUCTION DOCUMENTS

Phillip D. Barbe
2025.12.15
PHILLIP D. BARBE LICENSED No. 80976 STATE OF FLORIDA PROFESSIONAL ENGINEER

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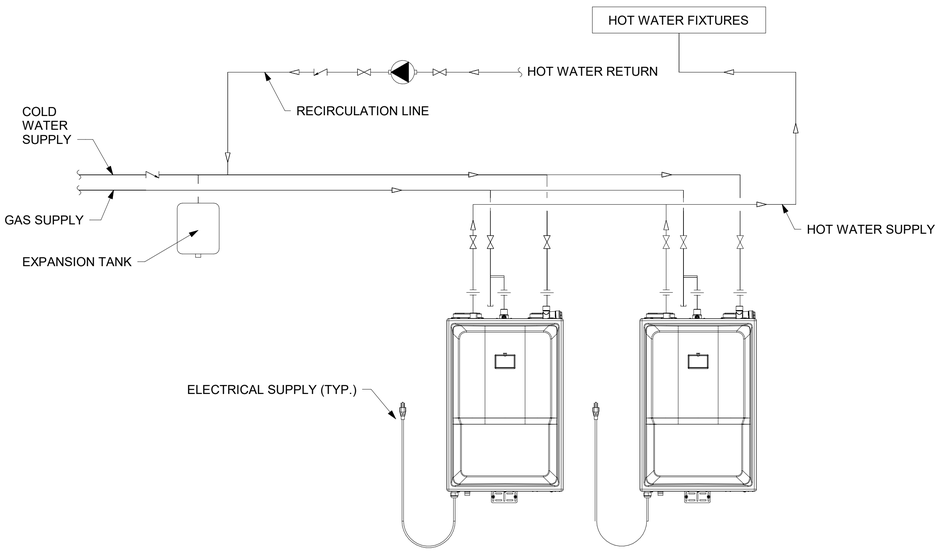
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TITLE
PLUMBING - DETAILS

SHEET
P002

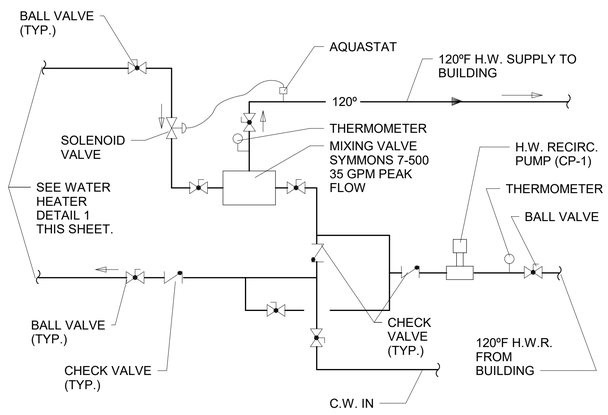
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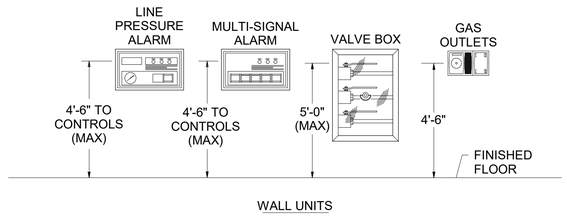
TANKLESS WATER HEATER DIAGRAM
No Scale

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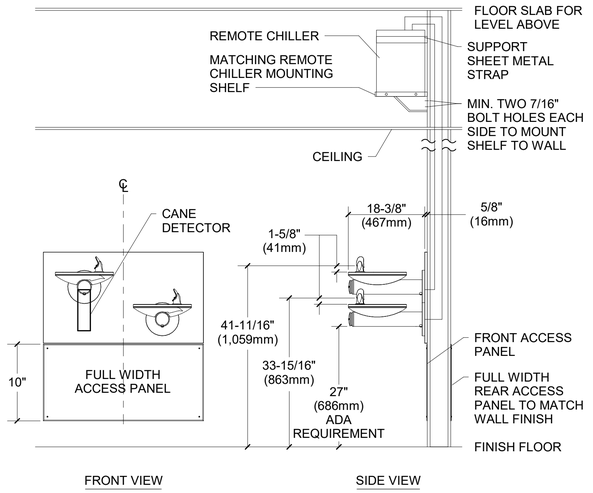
PIPING SCHEMATIC AT BUILDING MIXING VALVE
No Scale

2



MEDICAL GAS MOUNTING HEIGHT DETAIL
No Scale

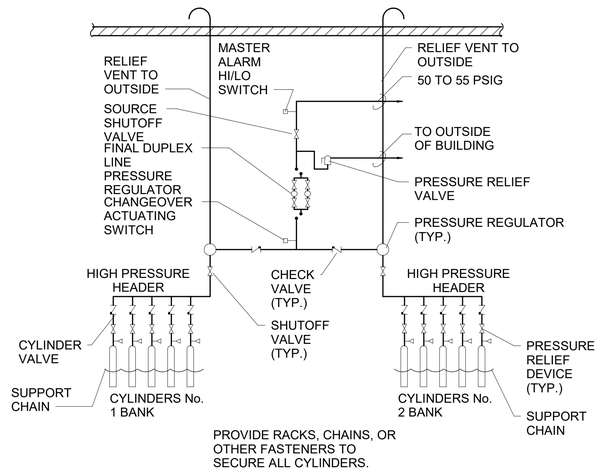
3



NOTE:
WHERE REAR ACCES PANELS CANNOT BE INSTALLED. PROVIDE FULL WIDTH FRONT ACCESS.
PANEL TO BE 18 GAUGE, 300 SERIES HIGH SHINE LUSTEROUS FINISH TO MATCH WATER COOLER FINISH.

REMOTE COOLER DETAIL
No Scale

4



NOTE:
VERIFY NUMBER OF CYLINDERS FOR EACH GAS SERVICE.

(TYPICAL FOR OXYGEN AND AIR)

TANK CYLINDER MANIFOLD PIPING SCHEMATIC
No Scale

5

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STATUS: CONSTRUCTION DOCUMENTS

Phillip D. Barbe
2025.12.15

PHILLIP D. BARBE — No. 80976 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

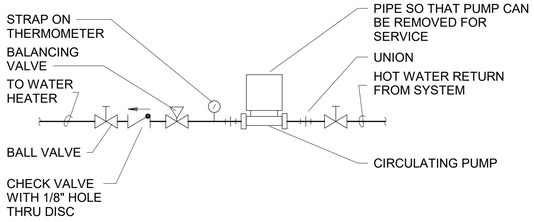
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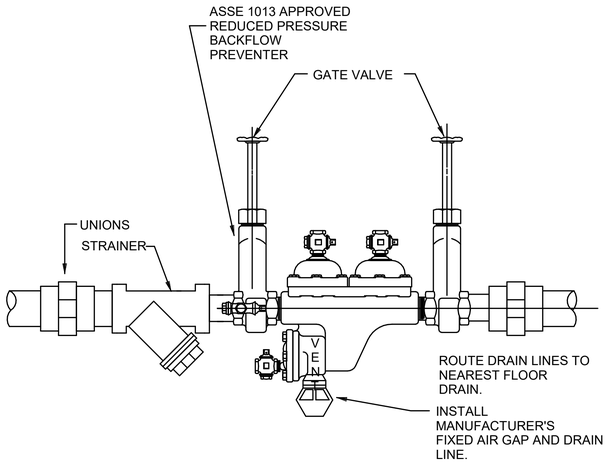
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SHEET: P003

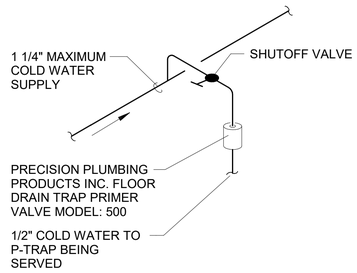
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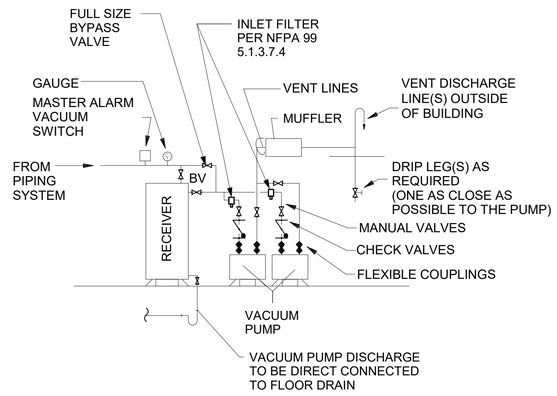
IN-THE-LINE CIRCULATING PUMP DETAIL — 1
No Scale



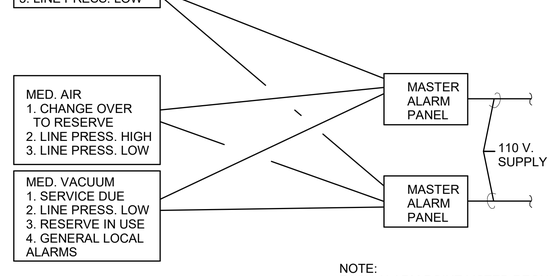
3/4" - 2" REDUCED PRESSURE BACKFLOW PREVENTER DETAIL — 2
No Scale



SINGLE TRAP PRIMER DETAIL — 3
No Scale

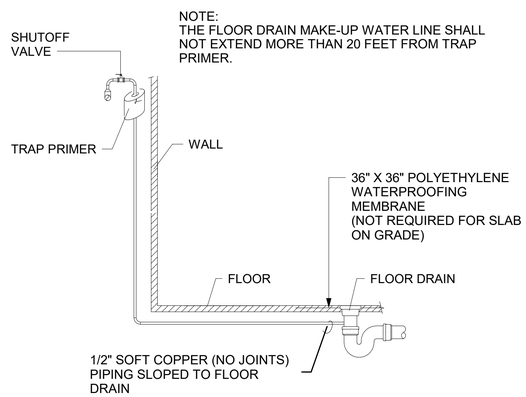


VACUUM PUMP PIPING SCHEMATIC — 4
No Scale



NOTE:
EACH ALARM POINT LISTED REQUIRES A STRANDED 18 GUAGE, SHIELDED TWISTED PAIR CABLE EQUAL TO BELDEN #8451 OR WEST PENN #452. ALL WIRING IN MIN. 3/4 " CONDUIT. ALL WIRING AND CONDUIT BETWEEN THE MASTER ALARM PANELS AND THE SOURCES, AS SHOWN, SHALL BE PROVIDED BY AND INSTALLED BY THE ELECTRICAL CONTRACTOR. (REFER TO MEDICAL GAS DRAWINGS FOR ALL EQUIPMENT CONNECTIONS REQUIRED).

MEDICAL GAS MASTER ALARM PANEL WIRING SCHEMATIC — 5
No Scale



FLOOR DRAIN TRAP PRIMER DETAIL — 6
No Scale

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

Phillip D. Barbe
2025.12.15

PHILLIP D. BARBE No. 80976 STATE OF FLORIDA PROFESSIONAL ENGINEER

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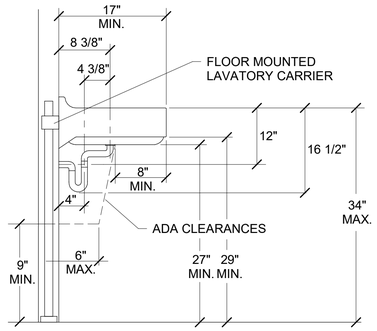
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TITLE
PLUMBING - DETAILS

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P004

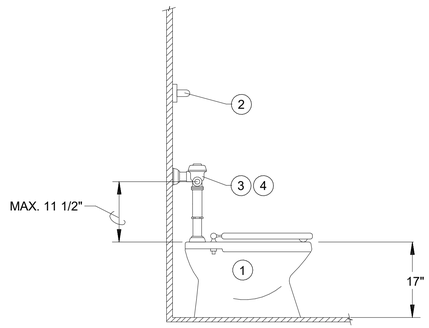
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NOTE:
CONTRACTOR TO FIELD MODIFY P-TRAP AND OFFSET DRAIN TO EXACT SIZES AS SHOWN.

HANDICAPPED LAVATORY INSTALLATION DETAIL W/ CARRIER 1

No Scale

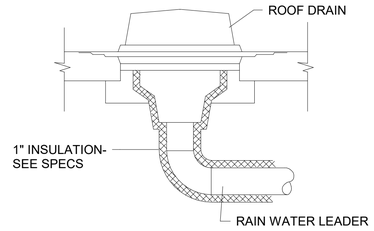


CODED NOTES:

1. FLOOR MOUNTED WATER. TOP OF SEAT SHALL BE 17"-19" IN CONFORMANCE WITH A.D.A. GUIDELINES.
2. HANDICAP GRAB BAR. MOUNT BETWEEN 33" AND 36" AFF. TO CONFORM TO A.D.A. GUIDELINES.
3. FLUSH VALVE HANDLE: MOUNT @ A MAXIMUM OF 44" AFF.
4. HANDLE OF FLUSH VALVE SHALL BE MOUNTED ON WIDE SIDE OF ROOM.

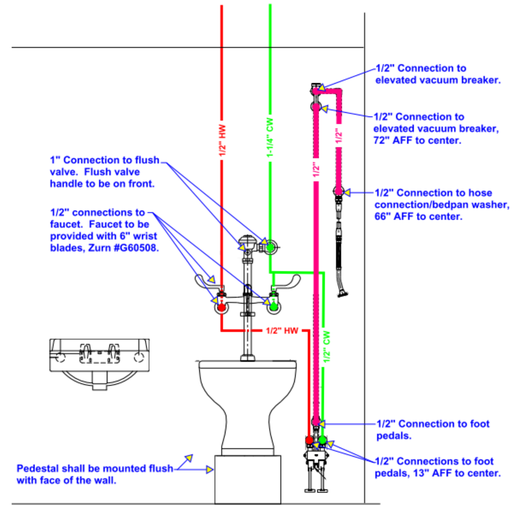
FLOOR MOUNTED HANDICAPPED, WATER CLOSET DETAIL 2

No Scale



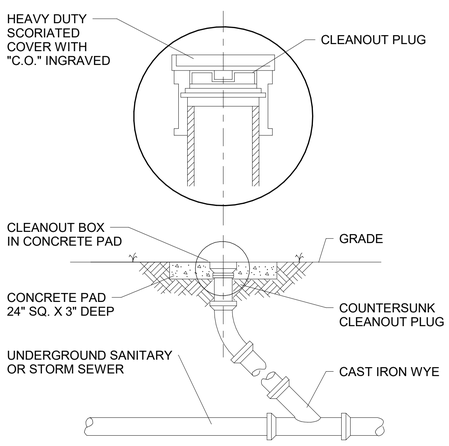
ROOF DRAIN INSULATION DETAIL 3

No Scale



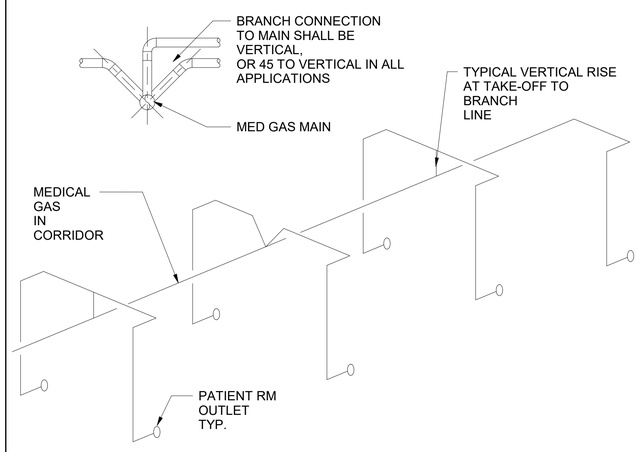
CLINICAL SINK PIPING DETAIL 4

NO SCALE



EXTERIOR CLEANOUT DETAIL 5

No Scale



PATIENT ROOM AND CORRIDOR MEDICAL GAS MAINS DETAIL 6

No Scale

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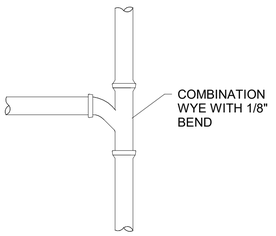
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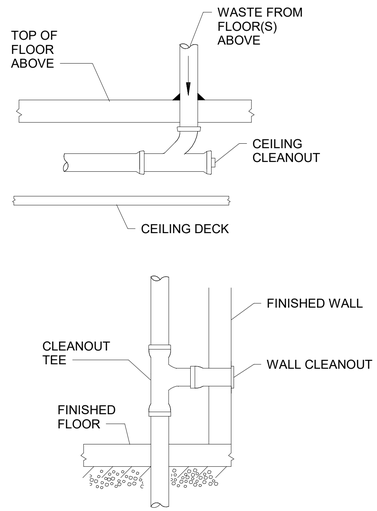
SHEET
P005



SINGLE INLET CONNECTION

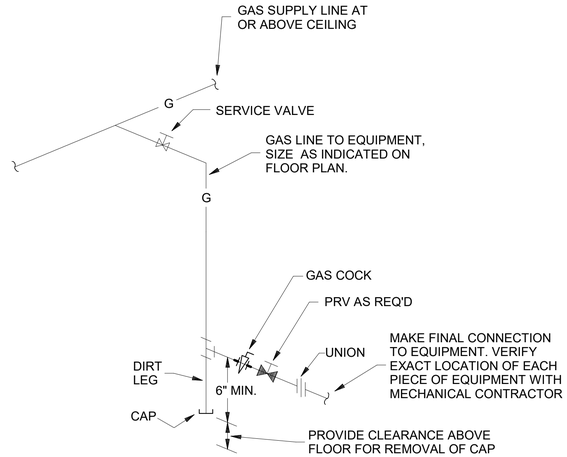
SANITARY PIPE CONNECTION DETAIL
No Scale

1



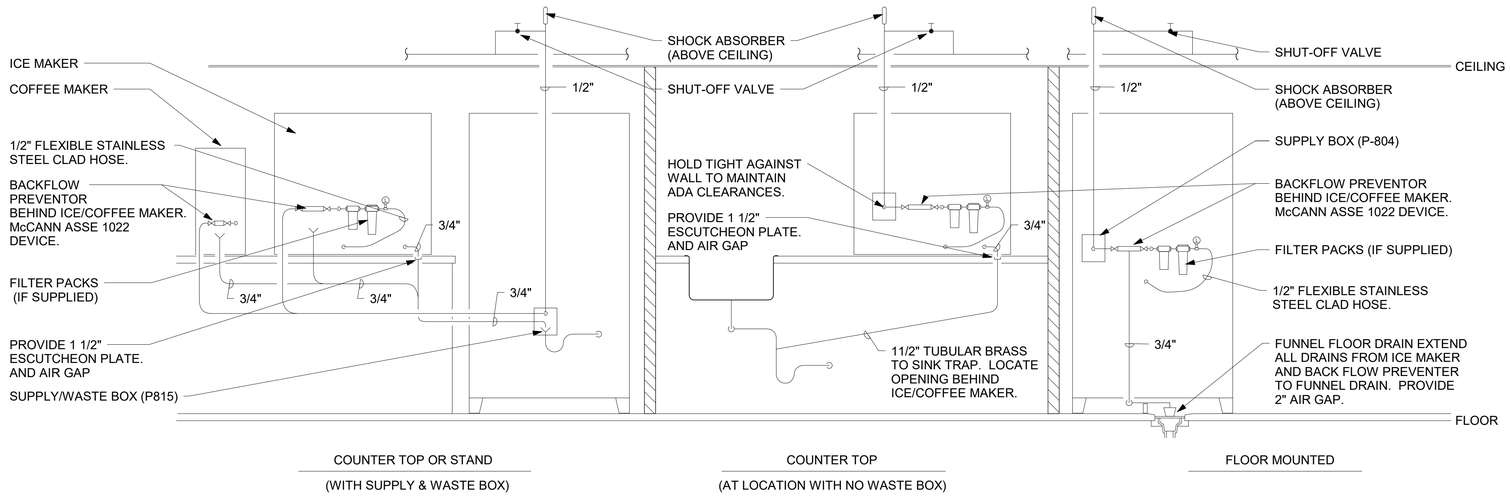
BASE OF RISER CLEANOUT DETAIL
No Scale

2



TYPICAL GAS CONNECTION DETAIL
No Scale

3



NOTE:
PROVIDE TRANSITION & FITTINGS AS REQUIRED TO CONNECT TO OWNER FURNISHED ICE MAKER / COFFEE MAKER. ROUTE ALL DRAINS TO INDIRECT WASTE RECEPTOR. ALL COMPONENTS TO BE BEHIND ICE MAKER OR COFFEE MAKER. PIPING IN CABINET UNDER COUNTER TO BE COPPER PIPE.

ICE MAKER/COFFEE MAKER CONNECTION DETAIL
No Scale

4

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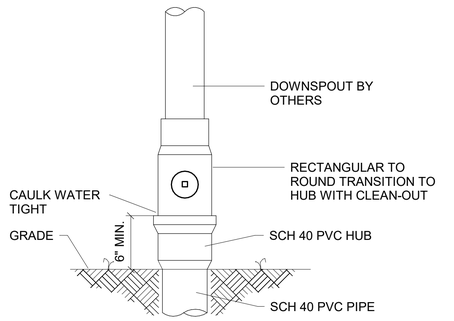
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TITLE
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SHEET
P006

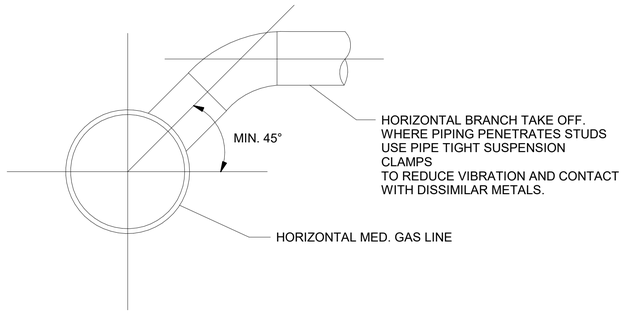
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NOTE:
ALL PVC LOCATED ABOVE GRADE SHALL BE PAINTED TO MATCH DOWNSPOUT COLOR. COORDINATE COLOR WITH ARCHITECT.

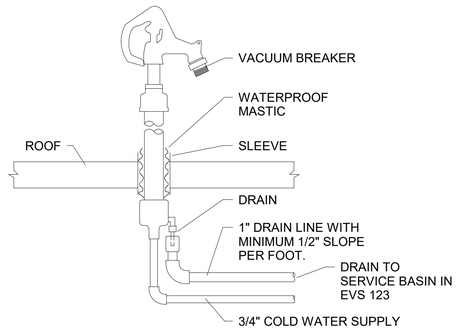
DOWNSPOUT BOOT DETAIL
No Scale

1



MEDICAL GAS HORIZONTAL BRANCH TAKEOFF
No Scale

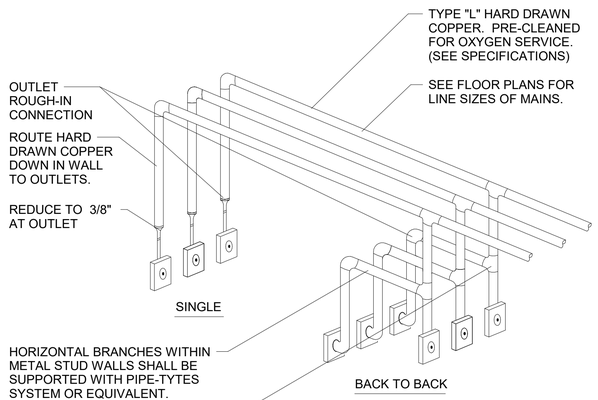
2



JOSAM 71400 WITH VACUUM BREAKER

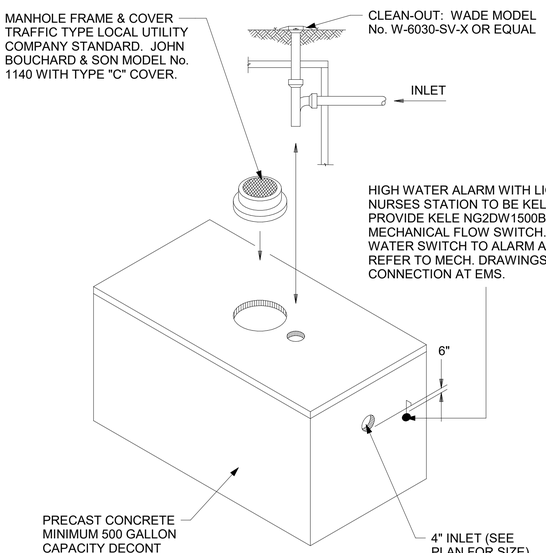
HOSE HYDRANT ON ROOF DETAIL
No Scale

3



MEDICAL GAS PIPING AT OUTLETS
No Scale

4



DECONTAMINATION HOLDING TANK DETAIL
No Scale

5

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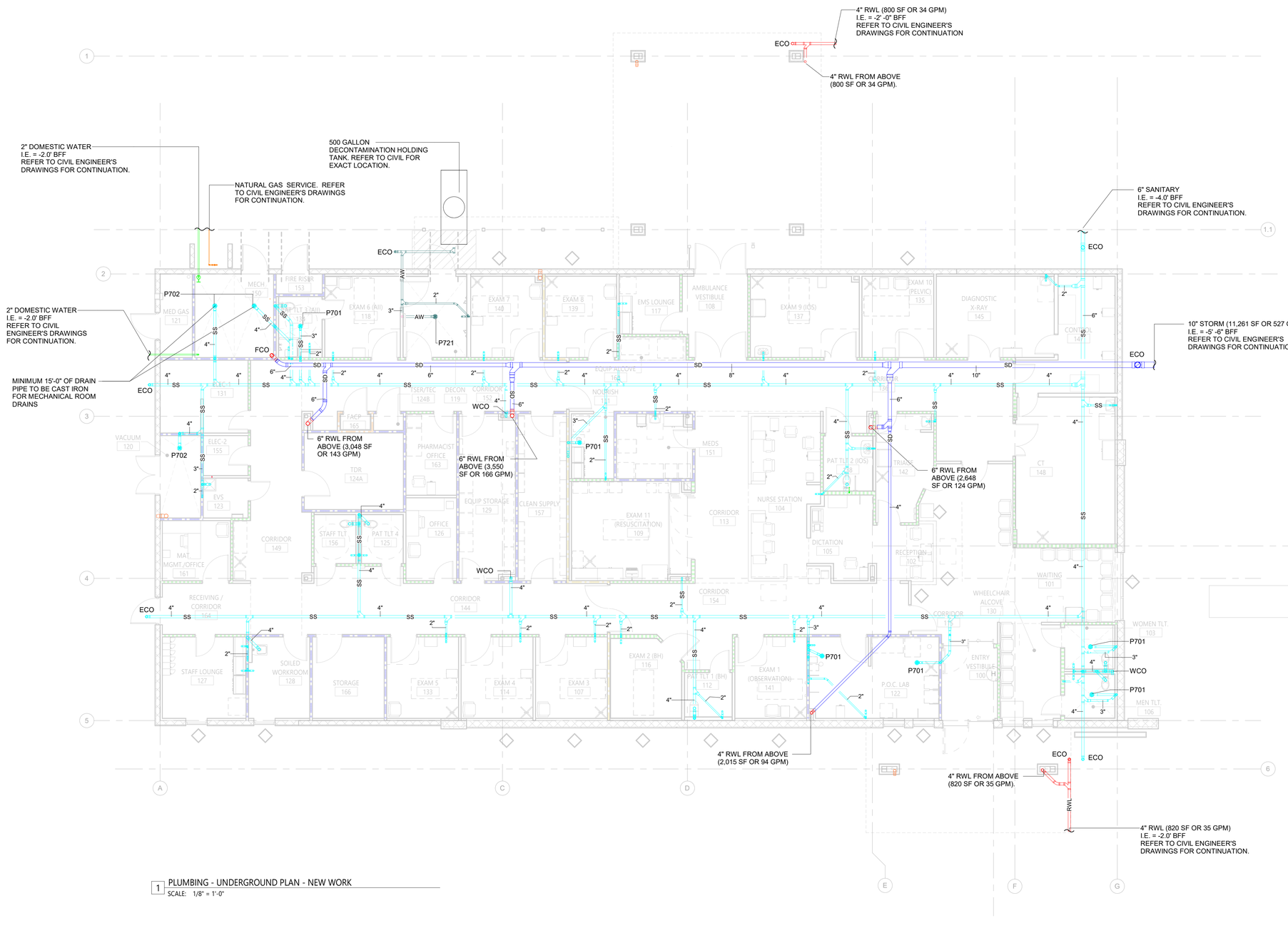
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TITLE
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SHEET
P007

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1 PLUMBING - UNDERGROUND PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

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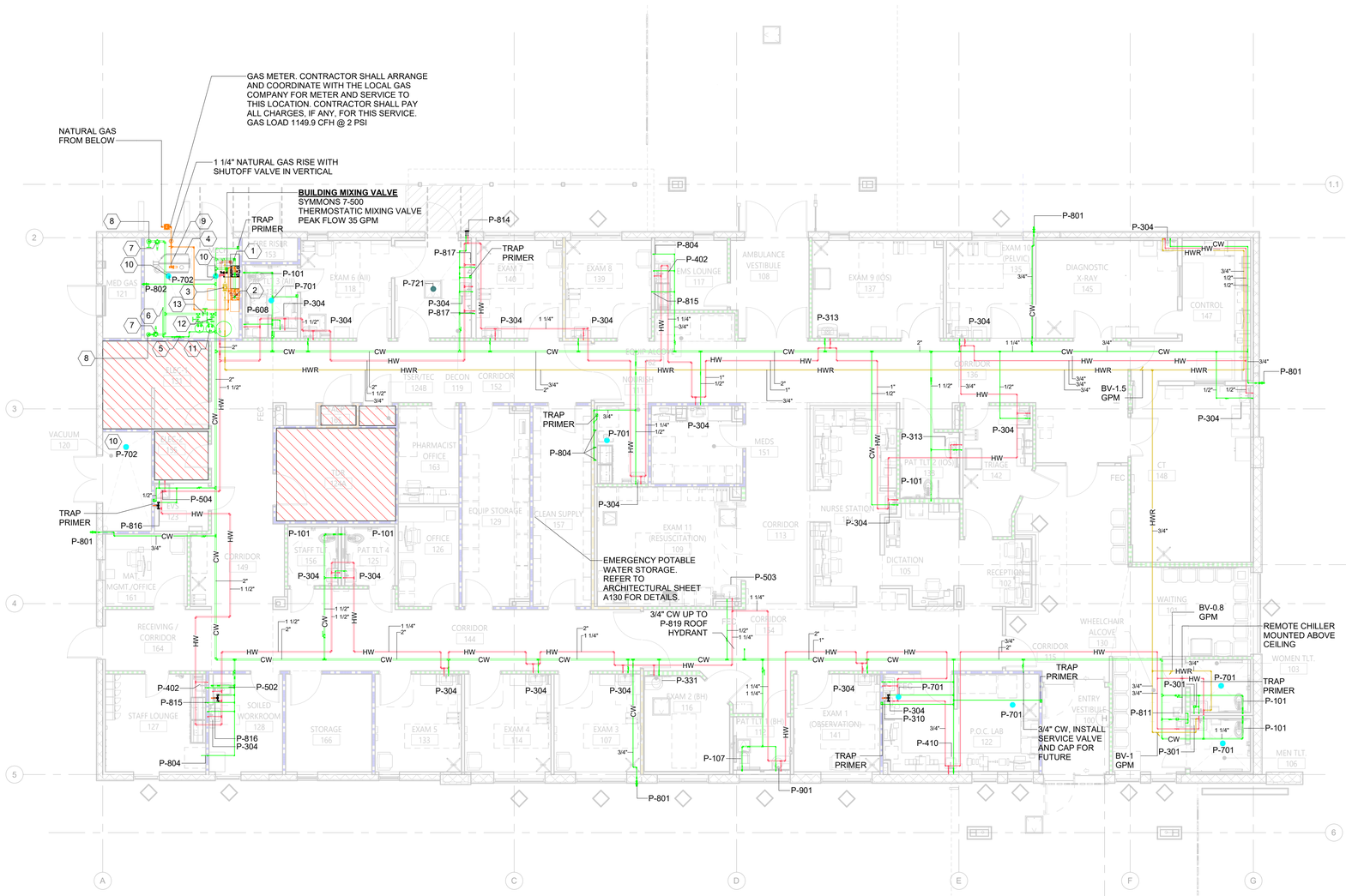
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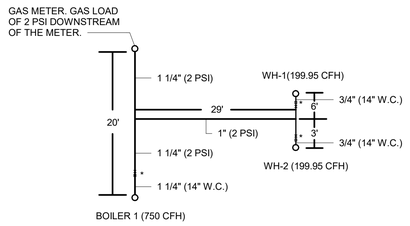
TITLE
PLUMBING - UNDERGROUND PLAN - NEW WORK

SHEET
P100

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1 PLUMBING - FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"



* GAS PRESSURE REGULATOR TO BE PROVIDED IN VERTICAL. SERVICE VALVE SHALL BE PROVIDED UPSTREAM OF EACH REGULATOR.

NATURAL GAS PIPE ROUTING CHART &

NATURAL GAS BURNING APPLIANCE

APPLIANCE	BOILER (B-1)	WATER HEATERS (WH-1 AND WH-2)
CAPACITY (INPUT)	750 CFH (750,000 BTUH)	199.95 CFH EACH (199,950 BTUH)

NATURAL GAS PIPE SIZING CHART

PRESSURE = 2 PSI 2023 FL FGC TABLE 402.4(5)	THE LONGEST RUN FROM GAS METER TO REGULATORS = 50 FT (EXCLUDING FITTING LOSSES)				
	ROUTING	**LENGTH**	**LOAD (CFH)**	**PIPE SIZE**	**PIPE MATERIAL**
	FROM GAS METER TO WH-1 REGULATOR	50 FT	199.95 CFH	1 1/4"	BLACK STEEL
PRESSURE 14" W.C. (<2 PSI) 2023 FL FGC TABLE 402.4(2)	THE LONGEST RUN FROM BOILER REGULATOR TO BOILER 1 = 5 FT (EXCLUDING FITTING LOSSES) THE LONGEST RUN FROM WH REGULATOR TO WH = 3 FT (EXCLUDING FITTING LOSSES)				
LOW PRESSURE FROM REGULATORS TO WH & BOILER	FROM BOILER REGULATOR TO BOILER (TYP.)	5 FT	750 CFH	1"	BLACK STEEL
	FROM WH REGULATORS TO TO WATER HEATERS (TYP.)	3 FT	199.95 EACH	3/4"	BLACK STEEL

NOTE: CONTRACTOR TO NOTIFY ENGINEERING IF ANY OF THE PIPE LENGTHS MENTIONED IN THE TABLE ABOVE CHANGED.

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

GENERAL NOTE:

PROVIDE SHUT-OFF VALVES AT ALL BRANCH LINES NEAR MAIN LINE CONNECTION.

TYP: PROVIDE SHUTOFF VALVE ON CW AND/OR HW SERVING EACH PLUMBING FIXTURE.

KEYNOTES: (#)

1. (WH-1) WATER HEATER. REFER TO DETAIL #1 ON SHEET P003 AND SCHEDULE ON SHEET P001 FOR DETAILS.
2. (WH-2) WATER HEATER. REFER TO DETAIL #1 ON SHEET P003 AND SCHEDULE ON SHEET P001 FOR DETAILS.
3. (CP-1) RECIRCULATION PUMP. REFER TO DETAIL #1 ON SHEET P004 AND SCHEDULE ON SHEET P001 FOR DETAILS.
4. MAXITROL RV SERIES PRESSURE REDUCING VALVE TO REDUCE 2 PSI TO 14" W.C. VENT TO ATMOSPHERE.
5. 3/4" RPBP TO SERVE MECHANICAL EQUIPMENT
6. 3/4" CW TO SERVE MECHANICAL EQUIPMENT
7. 2" PRESSURE REGULATING VALVE
8. 2" DOMESTIC COLD WATER FROM BELOW WITH SHUTOFF VALVE IN VERTICAL.
9. 1 1/4" NATURAL GAS DOWN TO BOILER (750 CFH)
10. FLOOR DRAIN IN THE VACUUM PUMP/MECH ROOM TO BE COORDINATED WITH EQUIPMENT SELECTED AND PAD LOCATION.
11. WATER SOFTENER (WS-1). SEE SCHEDULE ON SHEET P001. PIPE DRAIN TO FLOOR DRAIN.
12. FULL SIZE BYPASS WITH SERVICE VALVE NORMALLY CLOSED.
13. FULL SIZE BYPASS WITH SERVICE VALVE NORMALLY OPEN.

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

NATURAL GAS NOTE:

NATURAL GAS REGULATORS ARE TO BE ROUTED TO BUILDING EXTERIOR (ATMOSPHERE) PER MANUFACTURER'S REQUIREMENTS. REGULATOR VENTS ARE NOT TO BE COMBINED UNLESS EXPLICITLY PERMITTED BY REGULATOR DESIGN. REGULATOR VENT ROUTING AND LINE SIZING IS NOT SHOWN ON PLANS. MAINTAIN MINIMUM CLEARANCES TO BUILDING OPENINGS AND PROPERTY LINE PER PLUMBING CODE. VENT TO SLOPE UP TO TERMINATION FROM REGULATOR

0' 4' 8' 16' 32'

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PHONE (615) 346-3400
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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENTS

Phillip D. Barbe 2025.12.15

PHILLIP D. BARBE LICENSE No. 80976 STATE OF FLORIDA PROFESSIONAL ENGINEER

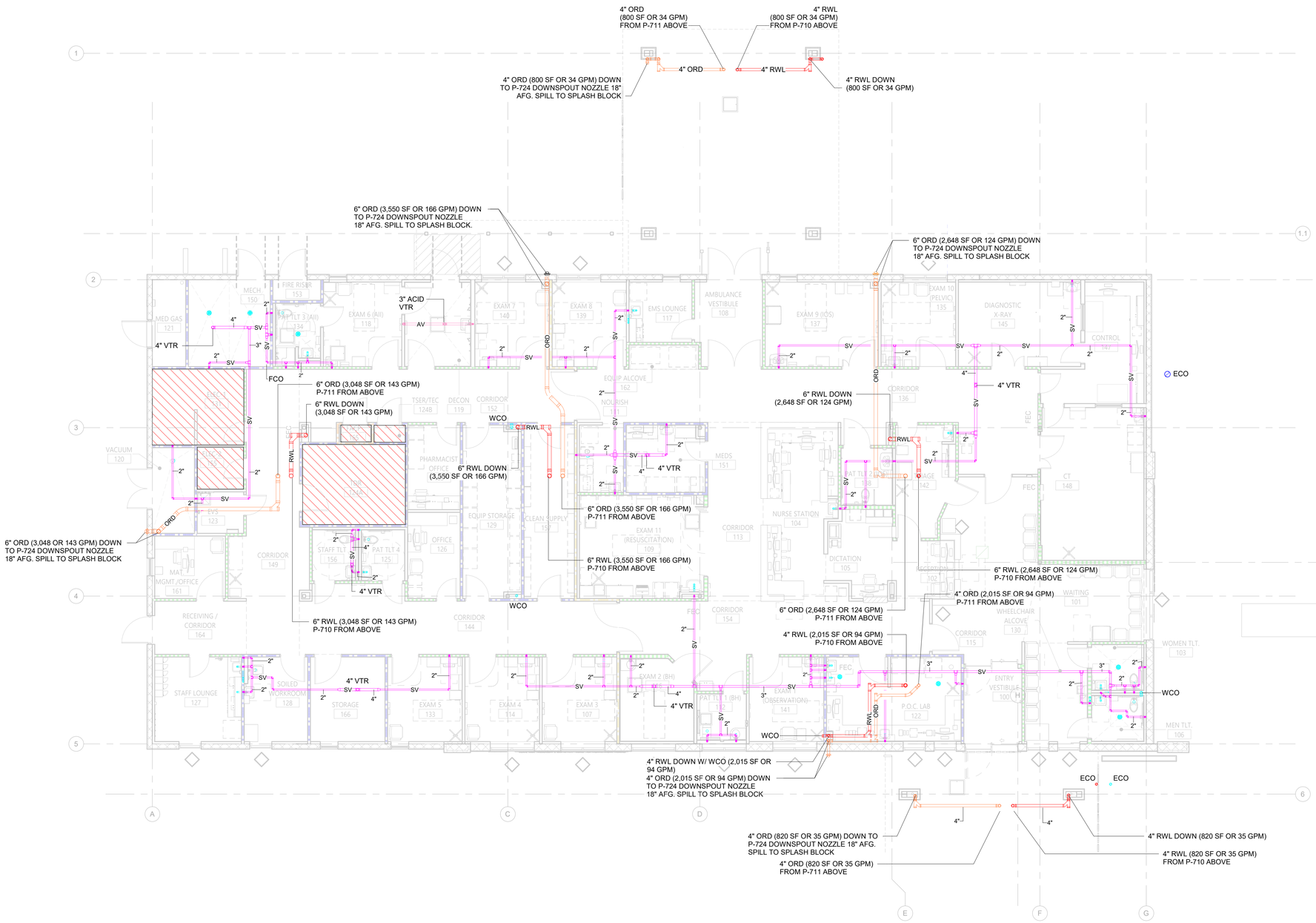
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DATES OF ISSUANCE
12/18/2025 △

TITLE: PLUMBING - FIRST FLOOR PLAN - NEW WORK

SHEET: P101

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1 SANITARY - FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

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AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
	S	1-HR FIRE/SMOKE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

NOTE:
CONTRACTOR SHALL OFFSET ALL VENTS THRU ROOF AS REQUIRED TO MAINTAIN 25'-0" MIN. SEPARATION FROM ROOF TOP UNIT FRESH AIR INTAKE.

PROJECT # 225014.00

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

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Phillip D. Barbe
2025.12.15

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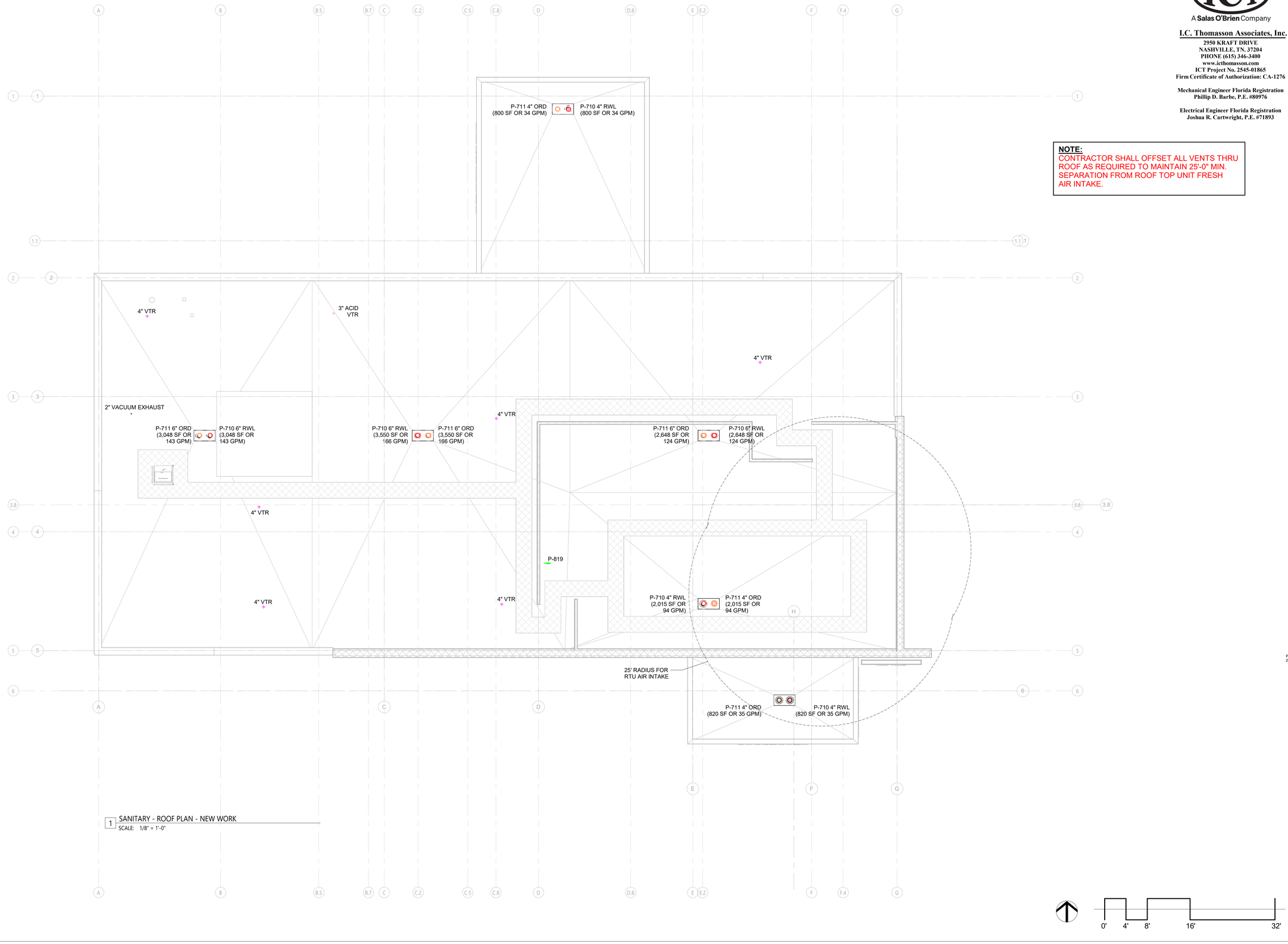
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DATES OF ISSUANCE
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TITLE: SANITARY - FIRST FLOOR PLAN - NEW WORK

SHEET: P201

0' 4' 8' 16' 32'



1 SANITARY - ROOF PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

NOTE:
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STATUS CONSTRUCTION DOCUMENTS

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Phillip D. Barbe
2025.12.15

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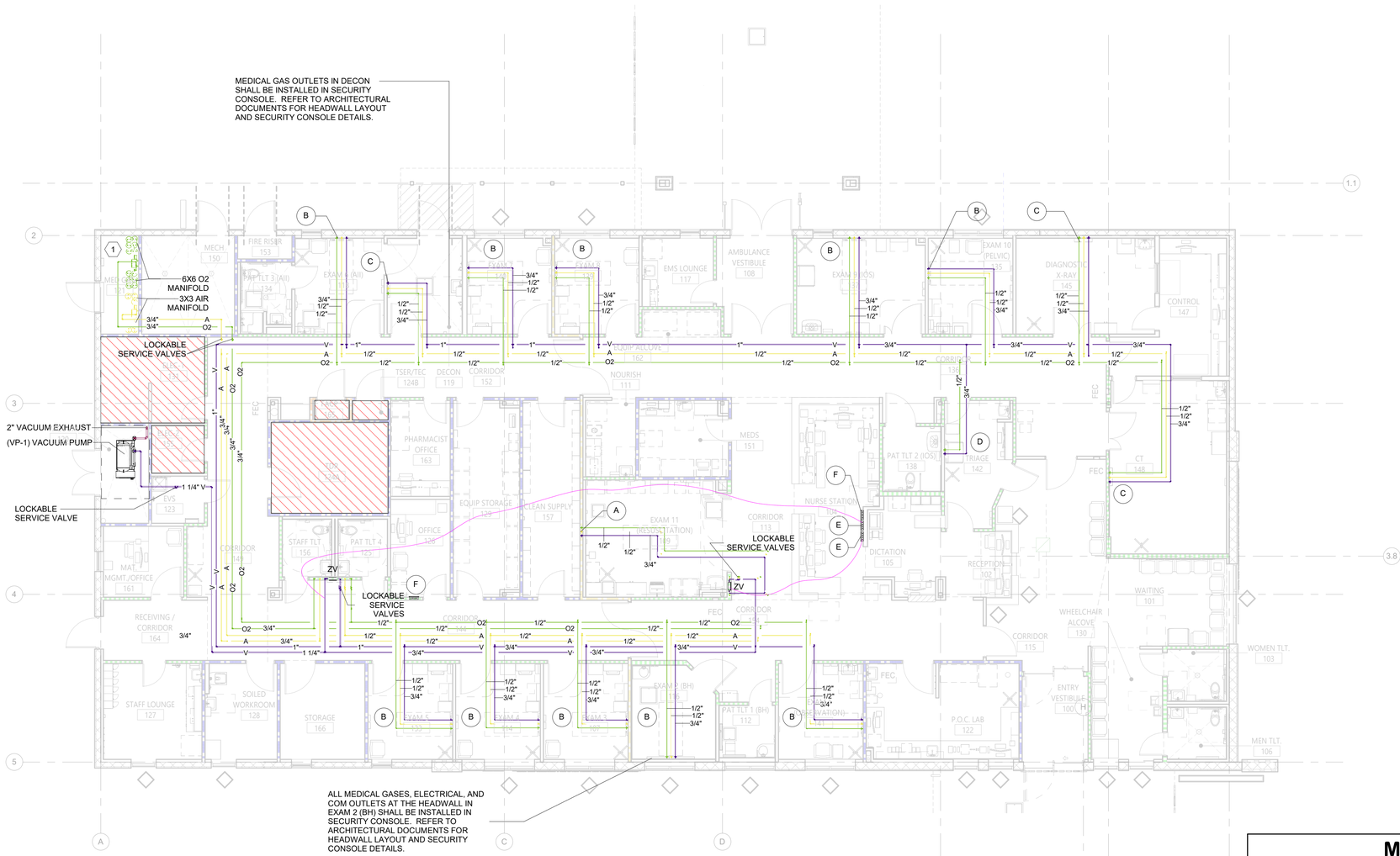
DATES OF ISSUANCE
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TITLE SANITARY - ROOF PLAN - NEW WORK

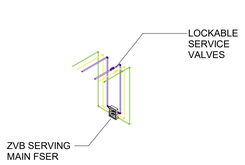
SHEET P202

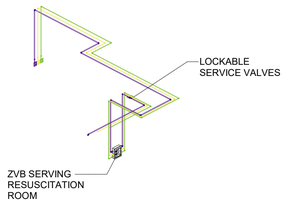
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1 MED GAS - FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"





AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

KEYNOTES: (#)

1. MEDICAL GAS ROOM TO CONTAIN (1) 6X6 O2 AND (1) 3X3 MEDICAL AIR MANIFOLD. THERE IS SPACE FOR APPROXIMATELY 6 SPARE O2 CYLINDERS AND 3 SPARE AIR CYLINDERS WITHIN THE ROOM. EACH O2 CYLINDER IS EQUAL TO 187 CUBIC FT. EACH AIR CYLINDER IS EQUAL TO 179 CUBIC FT. TOTAL VOLUME OF MEDICAL GASES STORED AND CONNECTED WITHIN ROOM IS EQUAL TO 4,977 CUBIC FT.

   THE ENTIRE VOLUME OF THE CONNECTED VESSELS THAT ARE ON A COMMON MANIFOLD = 6 OXYGEN CYLINDER AT 187 CU FT EA. =1,122 CU FT
   1,122 CU FT/5 CU FT = 224.4 CFM
   MECHANICAL VENTINATION MINIMUM REQUIRED.

MED GAS CERTIFICATION NOTE:

PER NFPA 99, SYSTEM SHALL BE CERTIFIED BY AN INDEPENDENT MEDICAL GAS TESTING AGENCY PRIOR TO USE OF THE SYSTEM. CERTIFIER MUST HAVE NITC CERTIFICATE AND FLORIDA STATE FIRE MARSHAL CERTIFICATION AS A MEDICAL GAS INSPECTOR. THE FIRE CODE OFFICIAL MUST BE PRESENT TO WITNESS ALL TESTING. COPIES OF CERTIFICATION TO BE PROVIDED TO THE FIRE CODE OFFICIAL.

MED GAS INSTALLATION NOTE:

THE MEDICAL GAS IS REQUIRED TO BE INSTALLED BY A CONTRACTOR LICENSED BY THE FLORIDA STATE FIRE MARSHAL DIVISION.

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

MEDICAL GAS SCHEDULE

SYMBOL	TYPE OUTLET	GASES	LOCATION
A	WALL OUTLETS	(2)O2, (1)A, (3)V, (3)SL	TRAUMA
B	WALL OUTLETS	(1)O2, (1)A, (1)V, (1)SL	EXAM
C	WALL OUTLETS	(1)O2, (1)A, (1)V, (1)SL	CT, RAD., AND DECON.
D	WALL OUTLETS	(1)O2, (1)V, (1)SL	TRIAGE
E	LINE PRESSURE ALARM	O2, A, V	NURSE'S STATION
F	MASTER ALARM PANEL	O2, A, V	NURSE'S STATION & NURSE MANAGER

NOTE:
REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS

0' 4' 8' 16' 32'

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STATUS: CONSTRUCTION DOCUMENTS

Phillip D. Barbe 2025.12.17

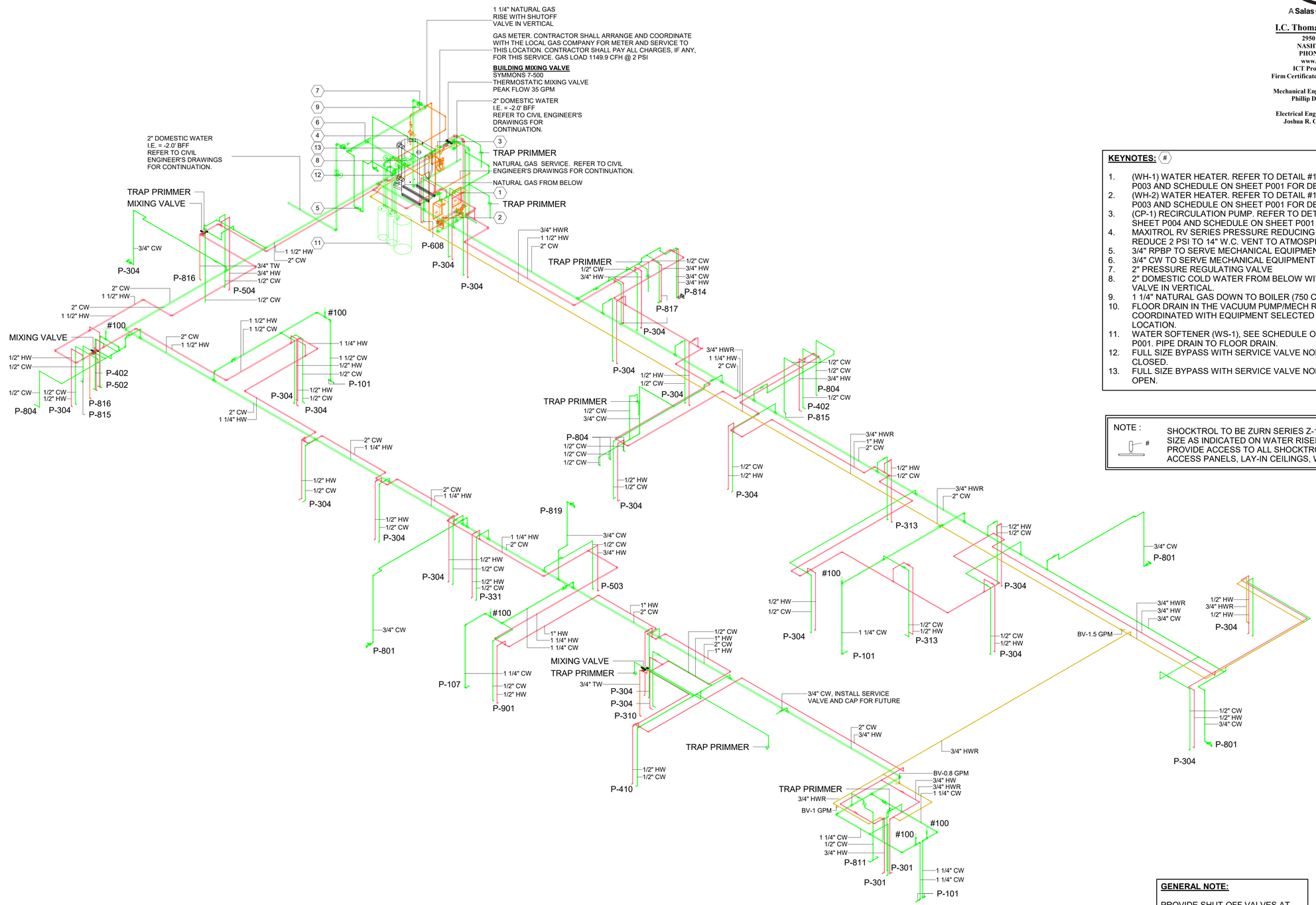
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DATES OF ISSUANCE
12/18/2025

TITLE: MED GAS - FIRST FLOOR PLAN - NEW WORK

SHEET: P301



1 DOMESTIC WATER RISER.
SCALE:

KEYNOTES: (#)

1. (WH-1) WATER HEATER. REFER TO DETAIL #1 ON SHEET P003 AND SCHEDULE ON SHEET P001 FOR DETAILS.
2. (WH-2) WATER HEATER. REFER TO DETAIL #1 ON SHEET P003 AND SCHEDULE ON SHEET P001 FOR DETAILS.
3. (CP-1) RECIRCULATION PUMP. REFER TO DETAIL #1 ON SHEET P004 AND SCHEDULE ON SHEET P001 FOR DETAILS.
4. MAXITROL RV SERIES PRESSURE REDUCING VALVE TO REDUCE 2 PSI TO 14" W.C. VENT TO ATMOSPHERE.
5. 3/4" RPBP TO SERVE MECHANICAL EQUIPMENT
6. 3/4" CW TO SERVE MECHANICAL EQUIPMENT
7. 2" PRESSURE REGULATING VALVE
8. 2" DOMESTIC COLD WATER FROM BELOW WITH SHUTOFF VALVE IN VERTICAL.
9. 1 1/4" NATURAL GAS DOWN TO BOILER (750 CFH)
10. FLOOR DRAIN IN THE VACUUM PUMP/MECH ROOM TO BE COORDINATED WITH EQUIPMENT SELECTED AND PAD LOCATION.
11. WATER SOFTENER (WS-1), SEE SCHEDULE ON SHEET P001. PIPE DRAIN TO FLOOR DRAIN.
12. FULL SIZE BYPASS WITH SERVICE VALVE NORMALLY CLOSED.
13. FULL SIZE BYPASS WITH SERVICE VALVE NORMALLY OPEN.

NOTE : (#) SHOCKTROL TO BE ZURN SERIES Z-1700 OR EQUAL. SIZE AS INDICATED ON WATER RISER DIAGRAM. PROVIDE ACCESS TO ALL SHOCKTROLS THRU ACCESS PANELS, LAY-IN CEILINGS, WALL IN CHASE.

GENERAL NOTE:

PROVIDE SHUT-OFF VALVES AT ALL
BRANCH LINES NEAR MAIN LINE CONNECTION.

TYP: PROVIDE SHUTOFF VALVE ON CW AND/OR HW SERVING EACH PLUMBING FIXTURE.

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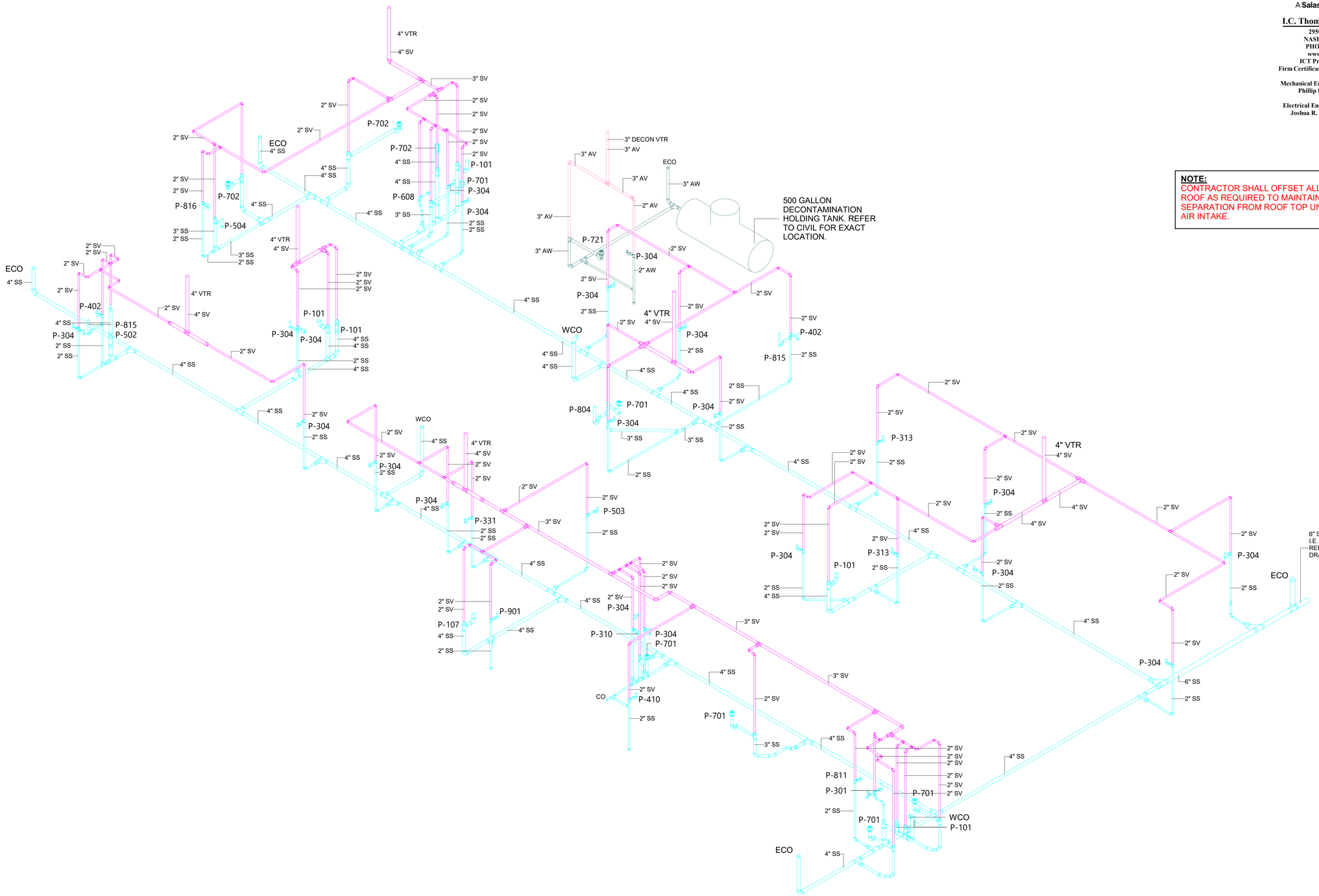
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TITLE: DOMESTIC WATER RISER

SHEET: P401

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1 SANITARY RISER
SCALE:

NOTE:
CONTRACTOR SHALL OFFSET ALL VENTS THRU ROOF AS REQUIRED TO MAINTAIN 25'-0" MIN. SEPARATION FROM ROOF TOP UNIT FRESH AIR INTAKE.

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

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Phillip D. Barbe
2025.12.15

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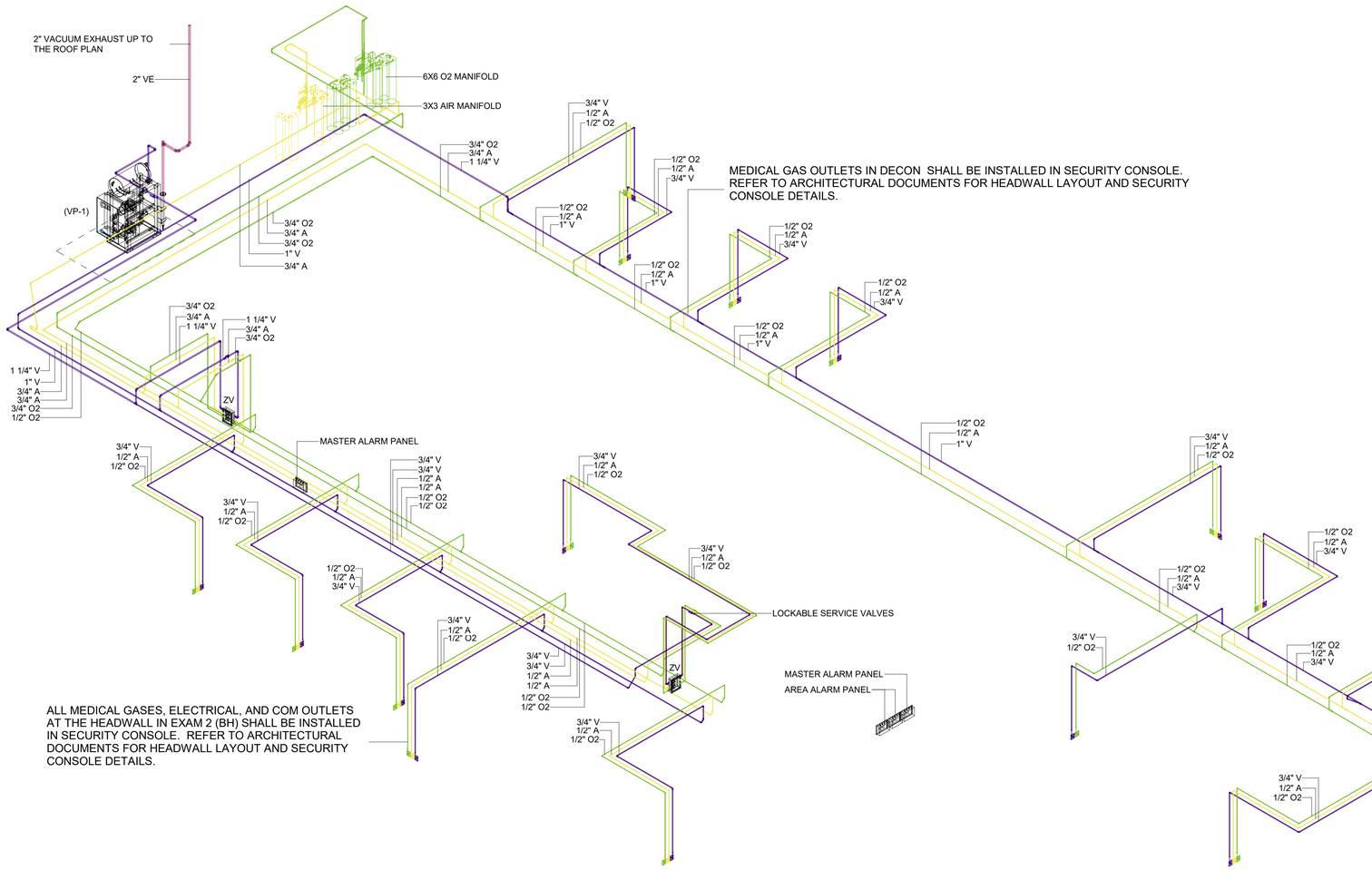
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TITLE
SANITARY RISER

SHEET
P402

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MEDICAL GAS OUTLETS IN DECON SHALL BE INSTALLED IN SECURITY CONSOLE. REFER TO ARCHITECTURAL DOCUMENTS FOR HEADWALL LAYOUT AND SECURITY CONSOLE DETAILS.

ALL MEDICAL GASES, ELECTRICAL, AND COM OUTLETS AT THE HEADWALL IN EXAM 2 (BH) SHALL BE INSTALLED IN SECURITY CONSOLE. REFER TO ARCHITECTURAL DOCUMENTS FOR HEADWALL LAYOUT AND SECURITY CONSOLE DETAILS.

1 P403 MED GAS

KEYNOTES: (#)

1. MEDICAL GAS ROOM TO CONTAIN (1) 6X6 O2 AND (1) 3X3 MEDICAL AIR MANIFOLD. THERE IS SPACE FOR APPROXIMATELY 6 SPARE O2 CYLINDERS AND 3 SPARE AIR CYLINDERS WITHIN THE ROOM. EACH O2 CYLINDER IS EQUAL TO 187 CUBIC FT. EACH AIR CYLINDER IS EQUAL TO 179 CUBIC FT. TOTAL VOLUME OF MEDICAL GASES STORED AND CONNECTED WITHIN ROOM IS EQUAL TO 4,977 CUBIC FT.

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PARTITION FIRE RATING LEGEND

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		SMOKE PARTITION
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		1-HR FIRE/SMOKE BARRIER (UL UJ465)
		NON-RATED INTERIOR PARTITION

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TITLE: MED GAS RISER

SHEET: P403

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EXHAUST FAN SCHEDULE

1. CENTRIFUGAL DOWNBLAST
2. BELTED VENT SET
3. CENTRIFUGAL IN-LINE
4. CENTRIFUGAL UPBLAST

TAG	EF-1-1	EF-1-2	EF-1-3	EF-All	EF-DEC	EF-MG
SERVICE	ED WAIT EXHAUST	GENERAL EXHAUST	POC LAB	All EXHAUST	DECONTAM EXHAUST	MEDGAS STORAGE
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
TYPE	2	1	4	2	2	3
SIZE / MODEL	USF-18	GB-100	CUBE-099	USF-08	USF-06	BSQ-90
CFM	2,200	750	750	500	250	300
SP (IN W.C.)	2.0	0.75	0.75	1.56	1.56	0.5
MAX FAN RPM	1,249	1,419	1,659	2,055	2,257	1,235
MOTOR RPM	1,725	1,725	1,725	1,725	1,725	1,725
DRIVE TYPE	BELT	BELT	BELT	BELT	BELT	BELT
APPROX. SIZE (WxLxH)	34"x40"x38"	19"x19"x35"	24"x24"x28"	31"x20"x26"	17x20x24	15x21x12
MOTOR HP	1-1/2	1/4	1/3	1/2	1/2	1/4
ELECTRICAL	208/3/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
POWER TYPE	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY
INLET SCREEN	YES	NO	NO	YES	YES	YES
OUTLET SCREEN	NO	YES	YES	NO	NO	NO
INLET DAMPER	NONE	BACKDRAFT	BACKDRAFT	NONE	NONE	NONE
OUTLET DAMPER	BACKDRAFT	NONE	NONE	BACKDRAFT	BACKDRAFT	BACKDRAFT
DISCONNECT/STARTER	DISCONNECT	DISCONNECT	DISCONNECT	DISCONNECT	DISCONNECT	DISCONNECT
MAX SONES	16.5	6.5	9.4	11.6	13.8	8.4
UNIT WEIGHT (lbs)	311	51	80	365	175	100
REMARKS	2,3,5	1,5	1,5	2,3,5	2,3,5	4,5

REMARKS

1. 18" ROOF CURB
2. PROVIDE SUPPORT RAILS WITH VIBRATION SPRING ISOLATORS.
3. PROVIDE EXHAUST STACK TO DISCHARGE MINIMUM OF 10'-0" ABOVE FINISHED ROOF.
4. PROVIDE SPARK PROOF MOTOR
5. ALL FANS TO BE FLORIDA IMPACT RATED AND HAVE A CURRENT NOTICE OF ACCEPTANCE (NOA) FROM MIAMI DADE COUNTY. BASIS OF DESIGN FANS TO BE ANCHORED TO CURB AND CURB TO STRUCTURE PER DETAILS ON NOA, SUBMIT INSTALLATION DETAILS WTHIN SUBMITTAL. IF CONTRACTOR ELECTS TO PURCHASE A MANUFACTURER WITHOUT CURRENT NOA, ALTERNATE EQUIPMENT MUST BE SUBMITTED WITH DELEGATED ENGINEER STAMPED INSTALLATION DETAILS AND CALCULATIONS TO DOCUMENT 2020 FLORIDA BUILDING CODE COMPLIANCE. FANS TO BE NOA MARKED WITH CIRTIFIACATION MARKED ON FAN.

SUPPLY DIFFUSER SCHEDULE

SYMBOL	ADAPTOR/ NECK SIZE	FACE SIZE	ACTIVE SECTION	MAX CFM	MAX TP	MAX NC	THROW	DUCT RUNOUT SIZE *
SA	6" Ø	24"x24"	6"x6"	100	0.07	20	4-WAY	8"x4"/6" Ø
SB	8" Ø	24"x24"	9"x9"	200	0.07	20	4-WAY	10"x6"/8" Ø
SC	10" Ø	24"x24"	12"x12"	400	0.08	20	4-WAY	12"x8"/10" Ø
SD	12" Ø	24"x24"	15"x15"	500	0.10	20	4-WAY	14"x9"/12" Ø
SE	14" Ø	24"x24"	18"x18"	700	0.173	23	4-WAY	16"x10"/14" Ø
SF	8" Ø	24"x48"	24"x48"	100	0.06	15	PERFORATED	8" Ø
SG	10" Ø	24"x48"	24"x48"	200	0.06	15	PERFORATED	10" Ø
SH	12" Ø	24"x48"	24"x48"	250	0.035	15	PERFORATED	12" Ø

PERFORMANCE BASIS:

1. 24"x24" AND 12"x12" CEILING DIFFUSERS BASED UPON TITUS TDC ALL STEEL DIFFUSERS WITH ROUND INLET IN PATIENT CARE AREAS. PROVIDE TITUS OMNI ALL STEEL DIFFUSER WITH ROUND INLET IN THE CORRIDORS AND LOBBY AREAS. PROVIDE LAY-IN CEILING FRAME IN LAY-IN CEILING AREAS AND SURFACE MOUNTING FRAME IN HARD CEILING AREAS.
2. PERFORATED PANELS (SF, SG, SH) BASED ON TITUS TLFH/KRUEGER SERIES 5000 O.R.D. STEEL LAMINAR FLOW DIFFUSER WITH BALANCEING DAMPER.
3. CONTRACTOR TO PROVIDE DUCT SPIN-IN FITTING WITH EXTRACTOR AND MANUAL VOLUME DAMPER EQUAL TO GENFLEX MODEL SM-2DEL (OR APPROVED EQUAL) AT ALL BRANCH TAKEOFFS TO AIR DISTRIBUTION DEVICES. PROVIDE MIN. 18"x18" ACCESS DOOR IN HARD CEILING AREAS. BALANCING DAMPERS AT FACE OF DIFFUSERS ARE NOT ACCEPTABLE.

CEILING GRILLES AND REGISTERS

SYMBOL	NECK	FACE SIZE	ACTIVE SECTION	MAX CFM	MAX SP	MAX NC	DUCT RUNOUT SIZE *
RA/EA	6" SQ	24"x24"	8"x8"	100	.04	28	8"x4"/6" Ø
RB/EB	8" SQ	24"x24"	10"x10"	200	.05	28	10"x6"/8" Ø
RC/EC	10" SQ	24"x24"	12"x12"	350	.05	27	12"x8"/10" Ø
RD/ED	12" SQ	24"x24"	14"x14"	500	.06	28	16"x8"/12" Ø
RE/EE	14" SQ	24"x24"	18"x18"	700	.07	28	18"x8"/14" Ø
RG/EG	18" SQ	24"x24"	20"x20"	1250	.07	27	24"x10"/18" Ø
RH/EH	22" SQ	24"x24"	24"x24"	1600	.06	23	24"x12"/18" Ø

PERFORMANCE BASIS:

1. RETURN/EXHAUST GRILLE SCHEDULE BASED ON TITUS MODEL 50-F ALUMINUM EGG-CRATE GRILLE WITH 1/2"x1/2" CORE, SQUARE TO ROUND ADAPTER AND SURFACE MOUNTING FRAME. 24"x24" FACE GRILLES IN LAY-IN CEILING AREAS TO HAVE LAY-IN MOUNTING FRAME.
2. CONTRACTOR TO PROVIDE DUCT SPIN-IN FITTING WITH MANUAL VOLUME DAMPER EQUAL TO FLEXMASTER MODEL "FLD" AT ALL BRANCH TAKEOFFS TO AIR DISTRIBUTION DEVICES. PROVIDE MIN. 18"x18" ACCESS DOOR IN HARD CEILING AREAS. BALANCING DAMPERS AT FACE OF REGISTERS ARE NOT ACCEPTABLE.
3. RH/EH SHALL BE RETURN/ EXHAUST GRILLE SCHEDULE BASED ON TITUS MODEL 50-F ALUMINUM EGG- CRATE GRILLE WITH 1/2"x1/2" CORE, SQUARE TO ROUND ADAPTER AND SURFACE MOUNTING FRAME. 12"x12" FACE GRILLES IN LAY-IN CEILING AREAS TO HAVE LAY-IN MOUNTING FRAME.

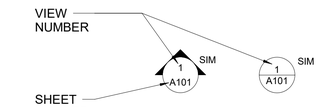
ELECTRIC UNIT HEATER

DESIGNATION	EUH-1
TYPE	ELECTRIC
MODEL	MARKEL 3320
CAPACITY (KW)	3 KW
EAT / LAT (°F)	50/104
AIRFLOW (CFM)	175
BTU	7677
ELECTRICAL	208/1/60
WEIGHT (LBS)	30
AMPS	14.4
FAN RPM	600
FILTER	---

REMARKS

1. **PROVIDE WALL MOUNTED THERMOSTAT AND DISCONNECT.**
2. **PROVIDE WALL MOUNTED RECESSED KIT.**

VIEW NAME LEGEND



HVAC PIPING LEGEND

HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
MCD	MOISTURE CONDENSATE DRAIN LINE
LP	LIQUID PROPANE
	DIRECTION OF WATER FLOW
	TEE
	PIPE TURNING DOWN
	PIPE TURNING UP
	PIPE SHUT OFF VALVE

HVAC LEGEND

	MEDIUM PRESSURE TEE
	RECTANGULAR SUPPLY DUCT TURNING DOWN
	ROUND DUCT TURNING DOWN
	RECTANGULAR RETURN DUCT TURNING UP FROM SIDEWALL REGISTER
	DUCT LINER IN LOW PRESSURE DUCT OR DOUBLE WALL INSULATED MEDIUM PRESSURE DUCT
	BRANCH TAP OFF MAIN WITH 45° BOOT FITTING OR SPIN-IN FITTING WITH MANUAL VOLUME DAMPER (LOW PRESSURE)
	TRANSITION IN DUCT (NOT DIRECTION OF AIRFLOW)
FD	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER
DSD	DUCT MOUNTED SMOKE DETECTOR
MVD	MANUAL VOLUME DAMPER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
BFF	BELOW FINISHED FLOOR
VFD	VARIABLE FREQUENCY DRIVE
	DUCT TERMINATION
	45° FULL RADIUS TURN
	FULL RADIUS TURN
H	LCD DISPLAY HUMIDITY SENSOR
T	LCD DISPLAY THERMOSTAT
MVD	MANUAL VOLUME DAMPER
VAV	VARIABLE AIR VOLUME REHEAT BOX
EA 100	INDICATES A SIZE "A" EXHAUST GRILLE SET FOR 100 CFM
RB 200	INDICATES A SIZE "B" RETURN GRILLE SET FOR 200 CFM
SB 200	INDICATES A SIZE "B" SUPPLY DIFFUSER SET FOR 200 CFM
	SUPPLY DIFFUSER (4-WAY)
	EXHAUST GRILLE
	RETURN GRILLE
BAS	BUILDING AUTOMATION CONTROL SYSTEM
S	TEMPERATURE SENSOR
	MOTORIZED DAMPER
100	ROOM PRESSURIZATION QUANTITY AND AIR FLOW DIRECTION

BOILER SCHEDULE

TAG	B-1
TYPE	GAS FIRED CONDENSING
OUTPUT (MBTUH)	697
INPUT (MBTUH)	750
WATER PRESSURE DROP (@100 GPM)	3 PSI
MAX WORKING PRESSURE (PSI)	160
FUEL	NG/PROPANE
ELECTRICAL	120/1/60
FLA	5
TYPE OF CONTROL	FULLY MODULATING
EMERGENCY POWER	YES
OPERATING RANGE	15:1
MANUFACTURER	AERCO
MODEL NUMBER	BENCHMARK 750
MIN FLOW (GPM)	18

REMARKS

1. DIRECT EXHAUST TO THE OUTDOORS
2. DIRECT AIR INTAKE VENTING TO THE OUTDOORS
3. 0-10VDC MAS EXTERNAL CONTROL PANEL
4. BAS GATEWAY-BACNET
5. BOILER TO BE CAPABLE OF DUAL FUEL OPERATION WITH MANUAL CHANGE OVER. PRIMARY (NORMAL OPERATION) FUEL TO BE NATURAL GAS. SECONDARY (EMERGENCY OPERATION) FUEL TO BE PROPANE.

AIR BALANCE SCHEDULE

TAG	SERVICE	OA SUPPLY CFM	EXHAUST CFM
RTU-1	GENERAL OA	4,450	0
EF-1-1	ED WAITING	---	2,300
EF-1-2	GENERAL EXH	---	650
EF-1-3	POC LAB	---	750
EF-All	All EXH	---	500
EF-DEC	DECONTAM	---	250
EF-MG	MED GAS	300	300
TOTAL		4,750	4,750
NET POSITIVE			0

WALTON COUNTY, FL - APPLICABLE CODE LIST (INCLUDING BUT NOT LIMITED TO)

FLORIDA BUILDING CODE	2023
FLORIDA MECHANICAL CODE	2023
FLORIDA PLUMBING CODE	2023
FLORIDA FUEL GAS CODE	2023
FLORIDA ACCESSIBILITY CODE	2023
FLORIDA FIRE PREVENTION CODE	2023
FLORIDA ENERGY CONSERVATION CODE	2023
FLORIDA BUILDING CODE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES	2023
FGI GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES	2022
NFPA 101: LIFE SAFETY CODE	2021
NFPA 220: STANDARD ON TYPES OF BUILDING CONSTRUCTION	2021
NFPA 99: HEALTH CARE FACILITIES CODE	2021
ASHRAE 170 : CODES AND STANDARDS	2021

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Firm Certificate of Authorization: CA-1276

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STATUS CONSTRUCTION DOCUMENT

Phillip D. Barbe
2025.12.15

This item has been digitally signed and sealed by Phillip D. Barbe, P.E.

Printed copies of this document are not considered signed and sealed and the digital signature must be verified on any electronic copies.

DATES OF ISSUANCE
12/18/2025

TITLE HVAC - LEGENDS AND SCHEDULES

SHEET M001

VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13	1-14	1-15	1-16	1-17
CFM	150	350	200	900	200	825	450	800	225	600	850	350	400	675	350	720	1,100
MIN SUPPLY CFM	150	350	125	550	125	500	450	800	225	600	850	200	250	675	200	720	650
MAX SP H2O	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"
SOUND POWER LEVEL (NC)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
DUCT RUN OUT	6" Ø	8" Ø	8" Ø	12" Ø	8" Ø	12" Ø	10" Ø	12" Ø	8" Ø	10" Ø	12" Ø	8" Ø	8" Ø	10" Ø	8" Ø	10" Ø	12" Ø
BTU HR	6,000	13,750	5,000	21,500	5,000	19,750	17,750	31,250	9,000	23,500	33,250	8,000	10,000	26,500	8,000	28,250	25,500
ENT WATER TEMP (F)	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
GPM	0.3	0.7	0.3	1.1	0.3	1.0	0.9	1.6	0.5	1.2	1.7	0.4	0.8	1.3	0.4	1.4	1.3
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D
WATER PD FT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
EAT DB	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°
LAT DB	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
PIPING RUN-OUT SIZE	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

NOTES
1. ALL BOXES TO BE PRESSURE INDEPENDENT
2. DUCT RUN OUT SIZE DOES NOT MEAN INLET BOX SIZE. A TRANSITION MAY BE REQUIRED.
3. REHEAT COILS BASED ON 40 °F TEMPERATURE DROP.
4. ALL BOXES TO BE RATED AT 1.5" INLET STATIC PRESSURE AND 120/1/60
5. NC SCHEDULED IS RAW POWER SOUND LEVEL WITHOUT THE AID OF DUCTWORK FOR ATTENUATION.

VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
CFM	900	550	1,400	400	900	400	600	550
MIN SUPPLY CFM	500	300	800	400	900	250	600	550
MAX SP H2O	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"	0.5"
SOUND POWER LEVEL (NC)	35	35	35	35	35	35	35	35
DUCT RUN OUT	12" Ø	10" Ø	15"x12"	8" Ø	12" Ø	8" Ø	10" Ø	10" Ø
BTU HR	19,750	13,750	31,250	15,750	35,250	10,000	23,500	21,500
ENT WATER TEMP (F)	140	140	140	140	140	140	140	140
GPM	1.0	0.7	1.6	0.8	1.8	0.5	1.2	1.1
ROWS	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D	AS REQ'D
WATER PD FT	2	2	2	2	2	2	2	2
EAT DB	54°	54°	54°	54°	54°	54°	54°	54°
LAT DB	90°	90°	90°	90°	90°	90°	90°	90°
PIPING RUN-OUT SIZE	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

NOTES
1. ALL BOXES TO BE PRESSURE INDEPENDENT
2. DUCT RUN OUT SIZE DOES NOT MEAN INLET BOX SIZE. A TRANSITION MAY BE REQUIRED.
3. REHEAT COILS BASED ON 40 °F TEMPERATURE DROP.
4. ALL BOXES TO BE RATED AT 1.5" INLET STATIC PRESSURE AND 120/1/60
5. NC SCHEDULED IS RAW POWER SOUND LEVEL WITHOUT THE AID OF DUCTWORK FOR ATTENUATION.

DX ROOFTOP UNIT SCHEDULE

TAG	RTU-1	
SERVICE	WHOLE BUILDING	
MANUFACTURER	YORK	
MODEL	50P3R075647	
DIMENSIONS (LxWxH)	470" x 113" x 80"	
UNIT WEIGHT	15,200	
TOTAL AIRFLOW CFM	14,995	
O.A. MINIMUM CFM	4,550	
O.A. MAXIMUM CFM	14,995	
SUPPLY FAN		
MOTOR HP	20.2*	
ISP (IN W.C.)	1.38	
ESP (IN W.C.)	3.0	
TSP (IN W.C.)	4.38	
MAX FAN RPM	1,456	
VOLTAGE/PHASE	460/3/60	
EMERGENCY POWER	YES	
EXHAUST FAN		
MOTOR HP	4.5*	
FAN SP	1.41	
CFM	10,445	
MAX FAN RPM	650	
VOLTAGE/PHASE	460/3/60	
EMERGENCY POWER	YES	
COOLING CAPACITY		
TOTAL CAPACITY (MBH)	708.2	
SENSIBLE CAPACITY (MBH)	452.9	
EAT (DB/WB °F)	83/68	
LAT (DB/WB °F)	52.1/51.1	
REFRIGERANT TYPE	R454B	
AMBIENT TEMP °F	97	
ACCESSORIES		
FILTERS	NOTE 2	
VFDS	NOTE 3	
SCCR (kA)	5	
MCA (CIRCUIT 1/CIRCUIT 2)	151/52	
MOP (CIRCUIT 1/CIRCUIT 2)	175/75	
NO. OF COMPRESSORS	4	

REMARKS
1. * INDICATES PREMIUM EFFICIENCY MOTOR
2. SEE FILTER SCHEDULE
3. VARIABLE FREQUENCY DRIVES FOR SUPPLY AND EXHAUST FANS.
4. LOW AMBIENT OPERATION TO 0 DEG. F.
5. UNIT WEIGHT DOES NOT INCLUDE CURB.
6. PROVIDE DOUBLE WALL CONSTRUCTION.
7. PROVIDE R-13 INSULATION (MINIMUM)
8. 2" INTERNAL SPRING ISOLATORS.
9. PROVIDE 2 SEPARATE POWER CONNECTIONS TO UNIT. (COORDINATE WITH DIVISION 26)
    1. 460/3/60 POWER CONDENSOR SECTION
    2. 460/3/60 POWER FOR FANS AND CONTROLS
10. PROVIDE SPRING ISOLATED ROOF CURB. TOP OF CURB TO BE MAXIMUM 24" ABOVE TOP OF STEEL. CONTRACTOR TO COORDINATE AND VERIFY RTU TO BE BELOW TOP OF SCREENWALL.
11. ROOFTOP UNIT TO BE PERMANENTLY ATTACHED TO CURB AND CURB TO STRUCTURE. AS A DELEGATED ENGINEERING DESIGN, SUBMIT ANCHORAGE DETAILS AND CALCULATIONS STAMPED BY FLORIDA STRUCTURAL ENGINEER
12. PROVIDE GASKETS TO THE FINAL FILTER FRAME TO PROVIDE POSITIVE SEAL.
13. DISCONNECTS TO BE PROVIDED BY DIVISION 26.
14. PROVIDE COIL SEACOAST/SALT SPRAY RESISTANT COATING.

2022 FGI VENTILATION TABLE / ASHRAE 170 - 2021

ROOM NUMBER	ROOM NAME	AREA SQ. FT.	SUPPLY CFM	RETURN CFM	EXHAUST CFM	O.A. CFM	ACH	REQ'D ACH	O.A. ACH	REQ'D O.A. ACH	PRESSURE RELATIONSHIP	REQ'D PRESSURE RELATIONSHIP	EXHAUST TO OUTDOORS	REQ'D EXHAUST TO OUTDOORS
101	WAITING	743	1,350	---	1,600	478	14.4	12	4.3	2	(-)	(-)	YES	YES
103	W TLT	52	75	---	150	---	19.2	10	---	---	(-)	(-)	YES	YES
106	M TLT	52	75	---	150	---	19.2	10	---	---	(-)	(-)	YES	YES
109	TRAUMA / RES	286	720	570	---	215	16.8	15	5.0	3	(+)	(+)	NO	NO
111	NOURISH / DIETARY	65	350	---	---	104	35.9	2	10.7	---	NEUTRAL	N/R	NO	NO
112	BEHAV. TLT	52	75	---	150	---	19.6	10	---	---	(-)	(-)	YES	YES
114	EXAM 3	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
116	BEHAV. EXAM	125	150	150	---	45	8.0	6	2.4	2	NEUTRAL	N/R	NO	NO
118	A.I.I.	151	275	---	350	105	15.4	12	4.6	2	(-)	(-)	YES	YES
119	DECON	104	150	---	250	75	16.0	12	4.8	2	(-)	(-)	YES	YES
121	MED GAS	67	---	---	300	300	29.9	8	29.9	---	(-)	(-)	YES	YES
123	E.V.S.	43	---	---	100	---	15.5	10	---	---	(-)	(-)	YES	YES
125	PAT TLT 4	50	---	---	75	---	10.0	10	---	---	(-)	(-)	YES	YES
126	POC LAB	259	550	---	750	224	19.3	6	5.8	2	(-)	(-)	YES	YES
128	SOILED WORK	117	150	---	250	75	14.2	10	4.2	2	(-)	(-)	YES	YES
133	EXAM 4	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
134	ISO. TLT	59	75	---	150	---	16.9	10	---	---	(-)	(-)	YES	YES
135	PELVIC EXAM	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
137	EXAM 9 IOS	217	275	275	---	82	8.4	6	2.5	2	NEUTRAL	N/R	NO	NO
138	PAT TLT 2 IOS	59	---	---	100	---	11.3	10	---	---	(-)	(-)	YES	YES
139	EXAM 8	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
140	EXAM 7	142	200	200	---	60	9.4	6	2.8	2	NEUTRAL	N/R	NO	NO
141	EXAM 1	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
142	TRIAGE	123	200	---	300	90	16.2	12	4.8	2	(-)	(-)	YES	YES
145	DIAGNOSTIC X-RAY	238	900	900	---	269	25.3	6	7.6	2	NEUTRAL	N/R	NO	NO
147	CONTROL	195	550	550	---	165	18.8	---	5.6	---	NEUTRAL	N/R	NO	NO
148	CT	361	1400	1400	---	419	25.9	6	7.7	2	NEUTRAL	N/R	NO	NO
151	MEDS	119	350	350	---	105	19.6	4	5.9	2	NEUTRAL	N/R	NO	NO
156	STAFF TLT	50	---	---	75	---	10.0	10	---	---	(-)	(-)	YES	YES
157	CLEAN SUPP	198	250	100	---	75	8.4	---	2.5	---	(+)	(+)	NO	NO
204	EXAM 5	144	200	200	---	60	9.3	6	2.8	2	NEUTRAL	N/R	NO	NO
	CORRIDORS	2565	2150	900	---	643	5.6	2	1.7	---	(+)	N/R	NO	NO

2023 FLORIDA BUILDING CODE, MECHANICAL VENTILATION TABLE

ROOM NUMBER	ROOM NAME	AREA (SF)	FBCM MINIMUM OA REQUIREMENTS						DESIGN	
			PEOPLE OA RATE (CFM/PERSON)	PEOPLE	PEOPLE OA CFM	AREA OA RATE (CFM/SF)	AREA OA CFM	TOTAL FMC OA CFM	SUPPLY AIR CFM	OA CFM
105	DICTATION	276	5	3	15	0.06	16.56	31.56	500	170
117	EMS LOUNGE	86	5	2	10	0.06	5.2	25.2	250	85
127	OFFICE	140	5	1	5	0.06	8.4	13.4	200	68
129	EQUIP STORAGE	232	0	0	0	0.12	27.84	27.84	200	68
161	OFFICE	104	5	2	10	0.06	6.24	16.24	200	68
163	PHARMACIST OFFICE	102	5	1	5	0.06	6.12	11.12	175	59.5
203	STAFF LOUNGE	173	5	2	10	0.06	10.38	20.38	400	136
205	OFFICE	101	5	1	10	0.06	6.1	11.1	200	68

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Phillip D. Barbe
2025.12.15

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DATES OF ISSUANCE
12/18/2025 △

TITLE: HVAC - SCHEDULES

SHEET: M002

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MULTI-ZONE INDOOR UNITS

TAG	AC-1	AC-2	AC-3	AC-4	AC-5
BASIS OF DESIGN	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
MODEL	TPEFY-P036	TPEFY-P012	TPKFY-P012	TPKFY-P030	TPEFY-P036
NOM. COOLING CAPACITY (MBH)	36	12	12	30	36
NOM. HEATING CAPACITY (MBH)	40	13.5	13.5	34	40
REFRIGERANT	R-410A	R-410A	R-410A	R-410A	R-410A
FILTER	1" THROWAWAY	1" THROWAWAY	WASHABLE	WASHABLE	1" THROWAWAY
APPROX WEIGHT	99	60	40	46	99
APPROX DIMENSION (LxWxH,IN.)	55x9x29	27x9x28	36x12x10	46x12x14	55x29x9
VOLTAGE / PHASE	208/1	208/1	208/1	208/1	208/1
POWER COOLING (KW/H)	.22	0.052	0.04	0.07	0.22
CFM	1,200	400	400	900	1,200
EXTERNAL STATIC	0.6"	0.6"	0.6"	0.6"	0.6"
MAX SOUND PRESS. (DBA)	35-39-43	26-30-34	29-34-40	43-46-49	35-39-43
TYPE	HORIZ. CONCEALED	HORIZ. CONCEALED	WALL MOUNTED	WALL MOUNTED	HORIZ. CONCEALED
NOMINAL TONS	3	1	1	2.5	3
REMARKS	1 THRU 8	1 THRU 8	1 THRU 8	1 THRU 8	1 THRU 8

REMARKS:

1. PROVIDE EACH UNIT WITH AN INTEGRAL CONDENSATE PUMP WITH MIN. 30" LIFT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED INSTALLATION AND WIRING AND POWERING OF PUMPS NOT FACTORY INSTALLED AND WIRED.
2. PROVIDE EACH INDOOR UNIT WITH AN AUTO CHANGE OVER WALL MOUNTED THERMOSTAT WITH SET POINT ADJUSTMENT.
3. PROVIDE REFRIGERANT PIPING SYSTEM PER MANUFACTURER'S DETAILED DIAGRAM.
4. PROVIDE UNIT WITH STAINLESS STEEL SECONDARY DRAIN PAN. SEE DETAIL.
5. SEE SPECS. FOR OWNER TRAINING REQUIREMENTS.
6. PROVIDE CLEAN 1" MERV 10 FILTERS AND ONE SPARE SET OF FILTERS FOR EACH UNIT ON COMPLETION OF PROJECT. FOR ALL UNITS WITHOUT PLEATED FILTERS, PROVIDE UNUSED WASHABLE FILTER AND SPARE WASHABLE FILTER ON COMPLETION OF PROJECT. FOR UNITS WITH MERV 10 FILTERS PROVIDE ADDITIONAL UNIT CASEMENT OR OTHER REQUIRED ACCESSORIES FOR PLEATED FILTERS.
7. SUSPEND ALL HUNG UNITS FROM STRUCTURE WITH 1/2" DEFECTION NEOPRENE ISOLATORS EQUAL TO KINETICS MODEL RH.
8. SERVED FROM EMERGENCY POWER EQUIPMENT BRANCH.

MULTI-ZONE OUTDOOR UNIT

TAG	CU-1	
BASIS OF DESIGN	MITSUBISHI	
MODEL	TURY-P168	
NOMINAL TONS	14	
NOM. COOLING CAPACITY (MBH)	168	
NOM. HEATING CAPACITY (MBH)	188	
FACTORY CHARGE (LBS)	23.5	
APPROX WEIGHT (LBS)	815	
APPROX DIMENSIONS (WxLxH,IN.)	30"x69"x72"	
VOLTAGE / PHASE	460/3/60	
MCA/MOP	28/40	
REMARKS	1 THRU 10	

REMARKS:

1. ADDITIONAL REFRIGERANT CHARGE SHALL BE REQUIRED IN FIELD. REFRIGERANT TO BE R-410A.
2. PROVIDE MINIMUM 1 INVERTER COMPRESSOR PER CHASSIS.
3. EACH REFRIGERANT PIPE REQUIRES INDIVIDUAL FIELD INSULATION PER MFRS RECOMMENDATIONS.
4. INSTALLER SHALL VACUUM LEAK TEST THER REFRIGERANT PIPING DOWN TO 500 MICRONS PER MANUFACTURERS INSTRUCTIONS BEFORE STARTUP.
5. PROVIDE REFRIGERATION RATED BALL SHUTOFF VALVES AT EACH CONDENSING UNIT CONNECTION.
6. PROVIDE BACNET GATEWAY FOR CONNECTION OF CU AND AC UNIT CONTROLS INTO BUIDING DDC SYSTEM. COORDINATE ALL CONTROL REQUIREMENTS WITH CONTROL CONTRACTOR PRIOR TO BID. MAIN SYSTEM CONTROLLER SHALL BE POWERED BY 120V POWER.
7. ALL UNITS SHALL HAVE 2-YEAR FUNCTIONAL PARTS WARRANTY.
8. UNIT TO BE RATED FOR 100°F
9. SERVED FROM EMERGENCY POWER EQUIPMENT BRANCH.
10. ROOFTOP UNIT TO BE PERMANENTLY ATTACHED TO CURB AND CURB TO STRUCTURE. AS A DELEGATED ENGINEERING DESIGN, SUBMIT ANCHORAGE DETAILS AND CALCULATIONS STAMPED BY FLORIDA STRUCTURAL ENGINEER.
11. SEACOAST/SALT SPRAY RESISTANT COATING

VRF BRANCH SELECTOR

UNIT DESIGNATION	BC-1	
CONDENSOR	CU-1	
MODEL	TCMBM0108	
ELECTRICAL	208/1/60	
MCA	0.52	
DIMENSIONS	12"x26"x18"	
MIN. NUMBER OF PORTS	6	
WEIGHT (LBS)	85	

REMARKS

UNIT SHALL ALLOW ALL UNITS TO HAVE SIMULTANEOUS HEATING AND COOLING FROM THE SAME CONDENSING UNIT

HOT WATER UNIT HEATER

DESIGNATION	UH-1	
MANUFACTURER	TRANE MODEL S	
TYPE	HOT WATER	
CAPACITY (BTU/HR)	10,000	
EWT	140°F	
GPM	1	
FAN HP	1/10	
ELECTRICAL	120/1/60	
PIPING RUNOUT	5/8"	
WEIGHT (LBS)	100	

REMARKS

1. PROVIDE WALL MOUNTED THERMOSTAT
2. PROVIDE NO DEFLECTION, EXPLOSION PROOF MODEL
3. CAPACITY BASED ON 25°F WATER TEMPERATURE DROP.

FILTER SCHEDULE

TYPE 1: 30% EFFICIENT, 2" THICK CARTRIDGE (MERV-8)
TYPE 2: 95% EFFICIENT, 12" THICK CARTRIDGE (MERV-14)

SYSTEM:	RTU-1	RTU-1
UNIT DESIGNATION	PF-1	FF-1
TYPE	1	2
FILTER POSITION	PRE-FILTER	FINAL-FILTER
CFM	14,995	14,995
INITIAL RESISTANCE - H2O	0.17"	0.5"
FINAL RESISTANCE - H2O	0.85"	1.00"
MAX FACE VELOCITY	450	450
EFF. - DUCT SPOT (ATMOS. DUST)	60%	95%
DIMENSIONS	MATCH UNIT CASING SIZE	MATCH UNIT CASING SIZE

REMARKS:

MAGNEHELIC DIFFERENTIAL PRESSURE GAUGES REQUIRED PER ASHRAE 170-2018 6.4 FOR FILTER SECTIONS OF AIR HANDELING UNITS WITH MERV 14 FILTER SECTION. PROVIDE LABEL TO INDICATE THE PRESSURE DROP THE FILTER NEEDS TO BE CHANGED PER THE UNIT MANUFACTURERS RECOMMENDATIONS.

PUMP SCHEDULE

TAG	HWP-1&2	
MANUFACTURER	B&G	
MODEL	SERIES e-80	
SIZE	1.5 x 1.5 x 9.5B	
SERVICE	HOT WATER	
TYPE	IN-LINE	
LOCATION	MECHANICAL ROOM	
FLOW RATE (GPM)	40	
TOTAL HEAD (FT)	55	
WORKING PRESSURE (PSI)	125	
MOTOR HP	2*	
MOTOR RPM	1,750	
ELECTRICAL	460/3/60	

REMARKS:

COMBINATION STARTER/DISCONNECT TO BE PROVIDED BY DIVISION 26

DUCTLESS SPLIT SYSTEM SCHEDULE

	MANUFACTURER	MITSUBISHI	
INDOOR UNIT	IDENTIFICATION	AC 2-1	
	MODEL NUMBER	PKA-A36	
	COOLING E.A.T. DB/WB	75/64	
	CFM / ESP	705	
	RATED CAPACITY MBH	34.2	
	VOLTAGE / PHASE	208/1	
	MCA	1	
OUTDOOR UNIT	IDENTIFICATION	CU-2	
	MODEL NUMBER	PUY-A36	
	AMBIENT	95	
	VOLTAGE / PHASE	208/1	
	MCA / MOCP	25/40	
ACCESSORIES REQUIRED		A,B,C,D,E,F,G,H	

ACCESSORIES:
A: LOW AMBIENT OPERATION
B: CONDENSATE PUMP
C: WIRED CONTROLLER
D: AUTO RESTART AFTER POWER OUTAGE
E: WIND BAFFLE
F: DRAIN PAN LEVEL SENSOR KIT
G: SEACOAST/SALT SPRAY RESISTANT COATING
H: HURRICANE ANCHORING

REMARKS:
AC 2-1 SETPOINT TO BE 74°F.

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TITLE: HVAC - SCHEDULES

SHEET: M003

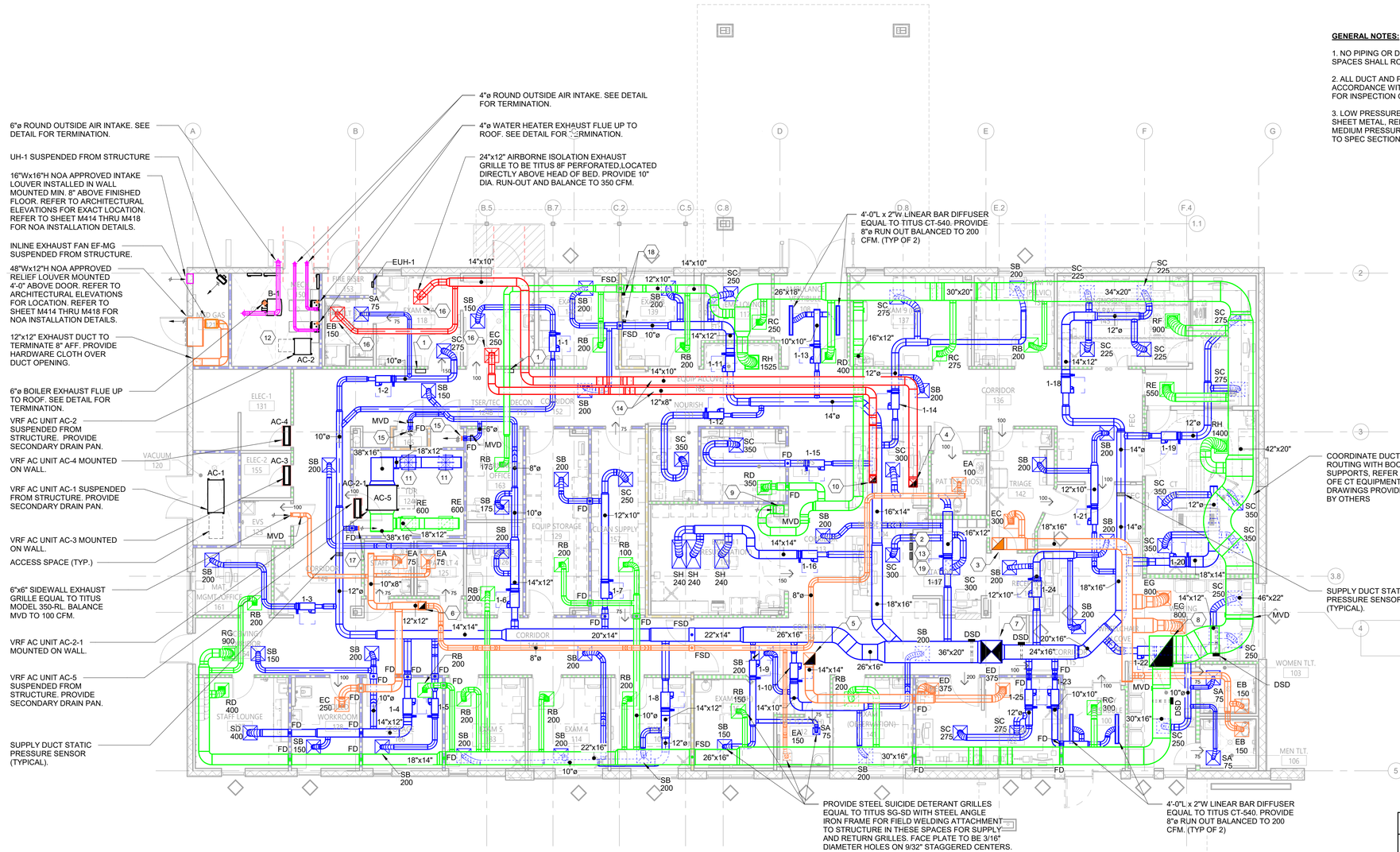
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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S	SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
	S	1-HR FIRE/SMOKE BARRIER (UL U465)
		2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

KEY NOTES:

1. ROOM PRESSURE MONITOR EQUAL TO TSI MODEL RPM. MONITOR TO MEASURE ROOM DIFFERENTIAL PRESSURE AND ALARM AT THE MONITOR STATION AND BUILDING EMS.
2. REMOTE ROOM PRESSURE MONITOR AT NURSES STATION. EACH ROOM BEING MONITORED BY REMOTE TO BE LABELED WITH THE NAME AND NUMBER DISPLAYED ON MONITOR FACE AND TO ALARM WHEN RESPECTIVE ROOM IS FOUND IN ALARM CONDITION.
3. 20"x20" EXHAUST DUCT UP TO EXHAUST FAN EF1-1 MOUNTED ON ROOF.
4. 14"x14" EXHAUST DUCT UP TO EXHAUST FAN EF-II MOUNTED ON ROOF.
5. 20"x20" EXHAUST DUCT UP TO EXHAUST FAN EF1-3 MOUNTED ON ROOF.
6. 14"x14" EXHAUST DUCT UP TO EXHAUST FAN EF1-2 MOUNTED ON ROOF.
7. 50"x24" SUPPLY DUCT DOWN FROM RTU-1 CONNECTION SIZE ON ROOF ABOVE. TRANSITION TO 38"x36" IN VERTICAL. BLANK OFF UNUSED PORTION OF SUPPLY DUCT UNIT CONNECTION SIZE AT UNIT.
8. 40"x52" RETURN DUCT UP TO RTU-1 ON ROOF ABOVE. BLANK OFF UNUSED PORTION OF RETURN DUCT UNIT CONNECTION SIZE AT UNIT.
9. 14"x12" RETURN DUCT DOWN TO 24"Hx12"W LOW WALL RETURN GRILLE MOUNTED 8" AFF. BALANCE TO 570 CFM.
10. 12"x12" EXHAUST DUCT UP TO EXHAUST FAN EF-DEC MOUNTED ON ROOF.
11. SUPPLY GRILLE TO BE EGG CRATE SIMILAR TO RG RETURN GRILLE. BALANCE TO 600 CFM EACH.
12. PROVIDE CARBON MONOXIDE SENSOR HARD WIRED FACP. FACP TO SHUTDOWN BOILER UPON ALARM. PROVIDE MUSHROOM TYPE EMERGENCY BOILER SHUT OFF SWITCH WIRED TO BOILER SHUT OFF CONTACTS.
13. EMS DECONTAM HIGH WATER ALARM.
14. EXHAUST FIRE SMOKE BARRIER PENETRATION PER FBC 709.8 DUCT PENETRATIONS SHALL COMPLY WITH SECTION 717. SMOKE BARRIER PENETRATION IS COMPLIANT WITH FBC 717.5.5 EXCEPTION #1 AND #2 WITHOUT A FSD AT THE SMOKE BARRIER. REFER TO UL ASSEMBLY ON SHEET M402 , DETAIL NO. 1 FOR INSTALLATION FIRE STOP REQUIREMENTS.
15. 6"x6" SIDEWALL SUPPLY GRILLE EQUAL TO TITUS MODEL 301-RS. BALANCE MVD TO 50 CFM.
16. PROVIDE HARD DUCT CONNECTION AT EXHAUST GRILLE.
17. 6"x6" SIDEWALL SUPPLY GRILLE EQUAL TO TITUS MODEL 301-RS. BALANCE MVD TO 100 CFM.
18. FSD ACTURATOR LOCATION AND ACCESS THIS SIDE OF WALL.
19. REMOTE GENERATOR ANNUNCIATOR PANEL.



1 HVAC - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

HVAC DUCT LEGEND

- SUPPLY DUCT
- RETURN DUCT
- OUTDOOR AIR DUCT
- GENERAL EXHAUST DUCT
- HAZARDOUS EXHAUST DUCT

GENERAL NOTES:

1. NO PIPING OR DUCT WORK NOT SERVING ELECTRICAL OR COMMUNICATION SPACES SHALL ROUTE THROUGH THESE SPACES PER NFPA 70.
2. ALL DUCT AND PIPE TO BE INSTALLED A MINIMUM OF 6" CLEAR IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 449.3.4.8 TO ALLOW FOR INSPECTION OF RATED WALL ASSEMBLIES TO DECK.
3. LOW PRESSURE SUPPLY, RETURN, AND EXHAUST DUCT TO BE GALVANIZED SHEET METAL, REFER TO SPEC SECTION 233110 FOR FULL REQUIREMENTS. MEDIUM PRESSURE SUPPLY DUCT TO BE GALVANIZED SHEET METAL, REFER TO SPEC SECTION 233111 FOR FULL REQUIREMENTS.

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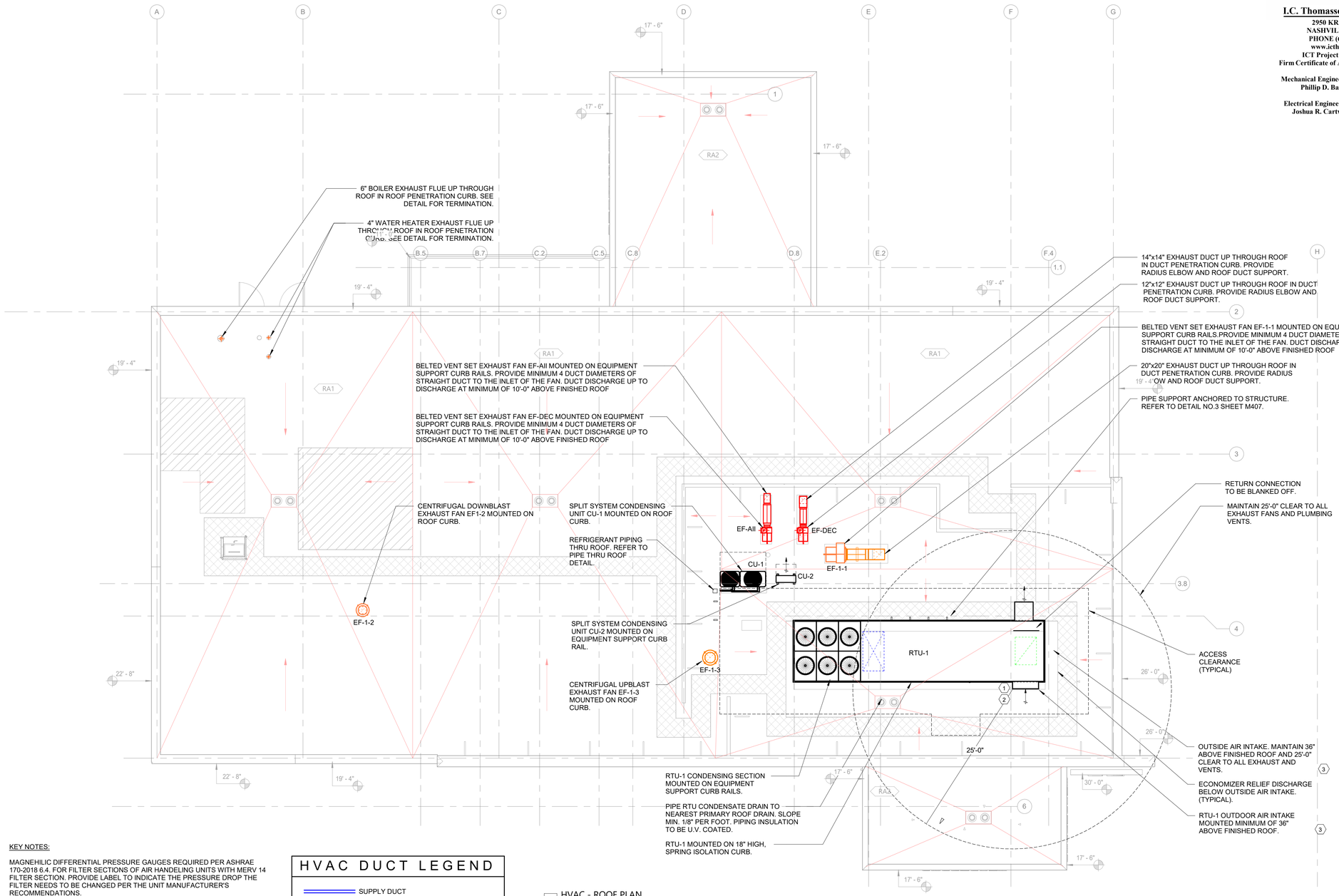
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TITLE: HVAC - FIRST FLOOR PLAN

SHEET: M101

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1 HVAC - ROOF PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES:

MAGNEHILIC DIFFERENTIAL PRESSURE GAUGES REQUIRED PER ASHRAE 170-2018 6.4. FOR FILTER SECTIONS OF AIR HANDELING UNITS WITH MERV 14 FILTER SECTION. PROVIDE LABEL TO INDICATE THE PRESSURE DROP THE FILTER NEEDS TO BE CHANGED PER THE UNIT MANUFACTURER'S RECOMMENDATIONS.

ALL FRESH AIR INTAKES OF RTU-1 TO BE PROTECTED BY SCREEN OF CORROSION RESISTANT MATERIAL NO LARGER THAN 0.5" MESH. REFER TO THE GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITAL FACILTIES (FGI, 2018), PART 3 SECTION 6.3.1.

OUTSIDE AIR INTAKES SHALL BE PROTECTED BY CORROSIAN RESISTANT SCREEN MATERIAL NOT LARGER THAN 0.5" MESH.

HVAC DUCT LEGEND

- SUPPLY DUCT
- RETURN DUCT
- OUTDOOR AIR DUCT
- GENERAL EXHAUST DUCT
- HAZARDOUS EXHAUST DUCT

0' 4' 8' 16' 32'

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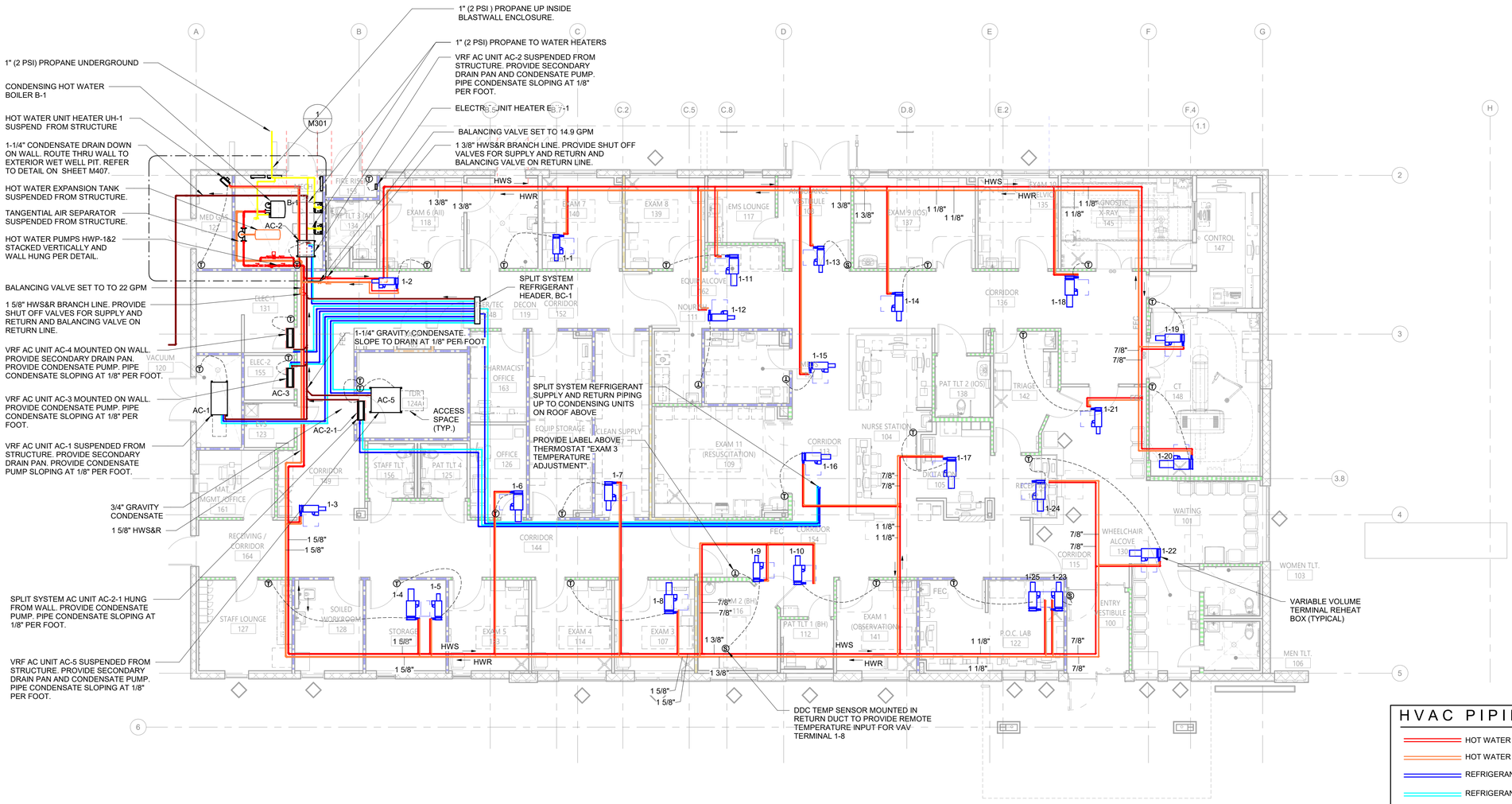
TITLE
HVAC - ROOF PLAN

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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
	◆ · ◆ · ◆	1-HR FIRE BARRIER (UL U465)
	◆S — ◆S	1-HR FIRE/SMOKE BARRIER (UL U465)
	◆◆ — ◆◆	2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION



1 HVAC PIPING - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

HVAC PIPING LEGEND

- HOT WATER SUPPLY
- HOT WATER RETURN
- REFRIGERANT SUPPLY
- REFRIGERANT RETURN
- LIQUID PROPANE
- CONDENSATE RETURN

GENERAL NOTES:

1. NO PIPING OR DUCT WORK NOT SERVING ELECTRICAL OR COMMUNICATION SPACES SHALL ROUTE THROUGH THESE SPACES PER NFPA 70.

2. ALL DUCT AND PIPE TO BE INSTALLED AT MINIMUM OF 6" CLEAR OF ALL PARTITIONS TO DECK IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 449.3.4.8 TO ALLOW FOR INSPECTION OF RATED WALL PENETRATIONS.

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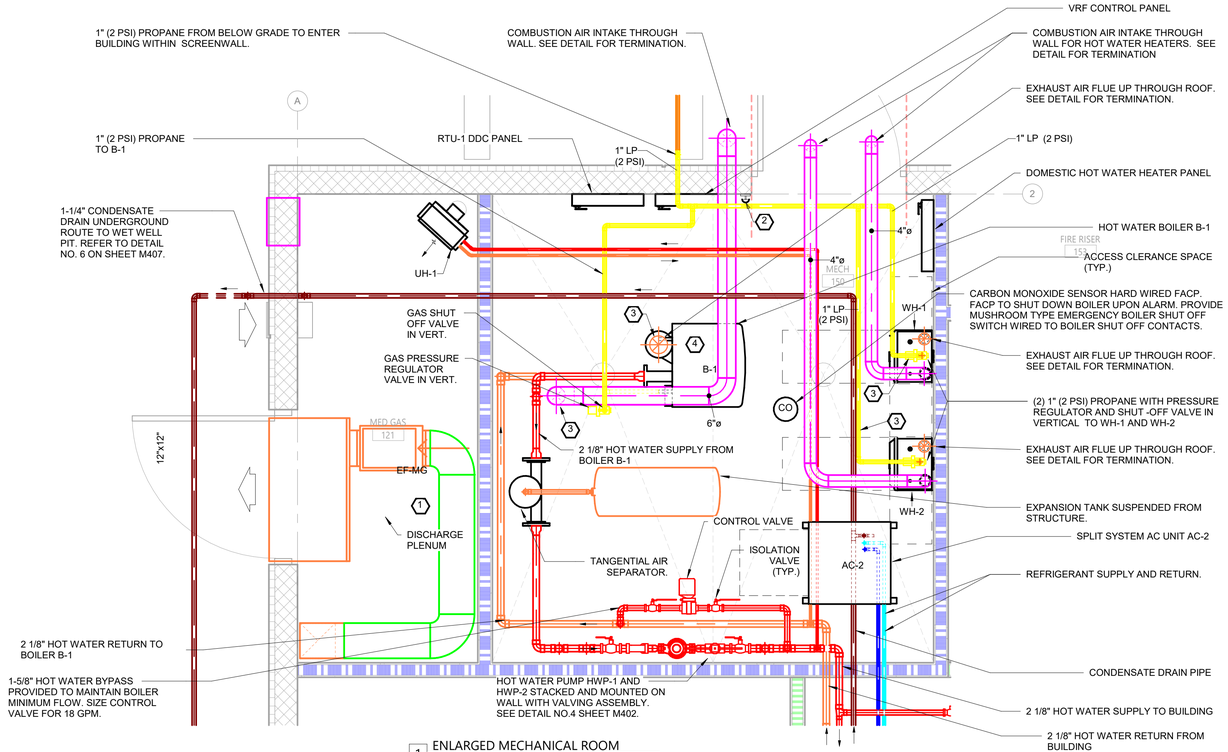
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TITLE: HVAC PIPING - FIRST FLOOR PLAN

SHEET: M201

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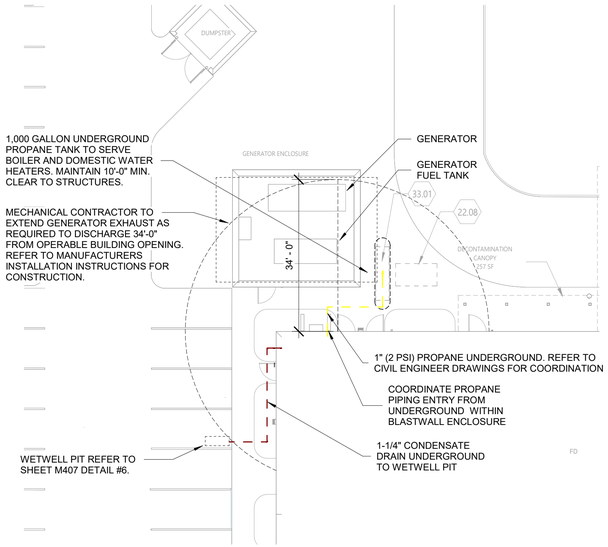
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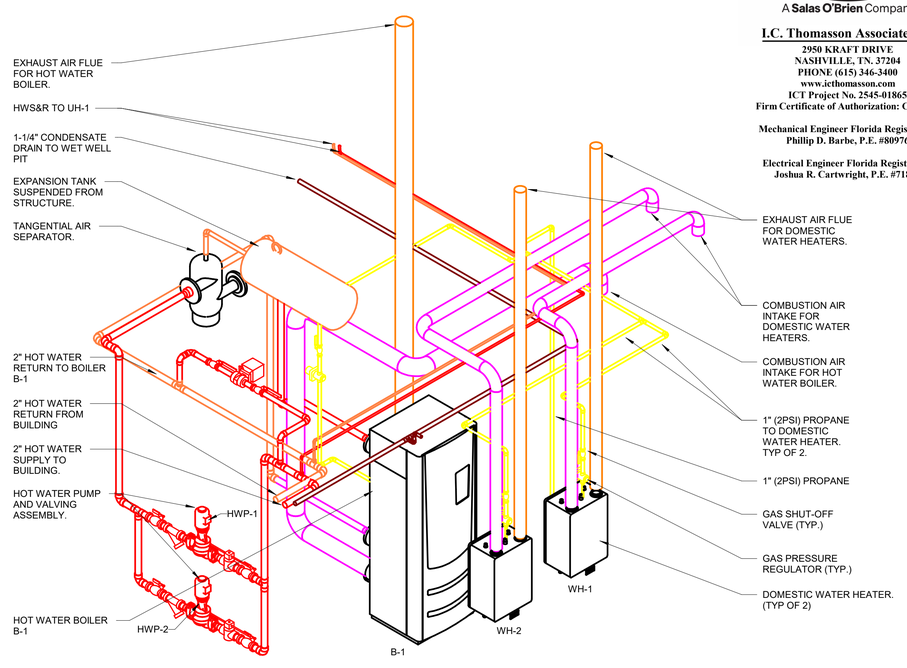
1 ENLARGED MECHANICAL ROOM
SCALE: 1/2" = 1'-0"

KEY NOTES:

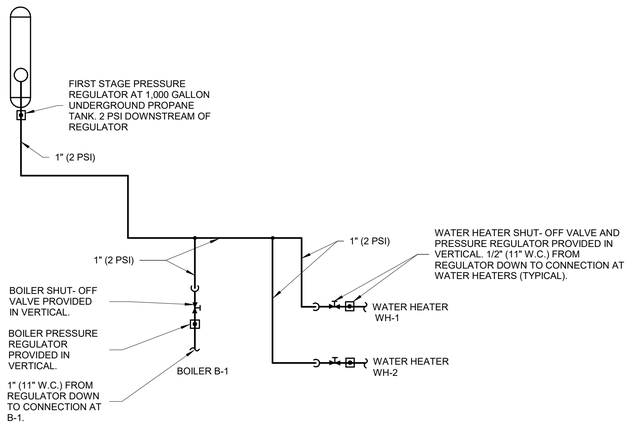
1. MEDICAL GAS ROOM TO CONTAIN (1) 6 x 6 O2 AND (1) 3 x 3 MEDICAL AIR MANIFOLD. THERE IS SPACE FOR APPROXIMATELY 6 SPARE O2 CYLINDERS AND 3 SPARE AIR CYLINDERS WITHIN ROOM. EACH O2 CYLINDER IS EQUAL TO 187 CUBIC FT. EACH AIR CYLINDER IS EQUAL TO 179 CUBIC FT. TOTAL VOLUME OF MEDICAL GASES STORED AND CONNECTED WITHIN ROOM IS EQUAL TO 4,977 CUBIC FT.
2. PROVIDE MUSHROOM TYPE EMERGENCY BOILER SHUT OFF SWITCH WIRED TO BOILER SHUT OFF CONTACTS. COORDINATE WITH AHJ FOR LOCATION APPROVAL.
3. REFER TO SPECIFICATIONS FOR BOILER AND HOT WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FLUE CONSTRUCTION AND MATERIAL . PVC NOT ALLOWED
4. BOILER B-1 TO BE INSTALLED IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE, MECHANICAL, CHAPTER 7,8,9, 10 AND BOILER MANUFACTURERS INSTALLATION AND START UP MANUAL.



3 HVAC - SITE PLAN
SCALE: 1/16" = 1'-0"



2 ENLARGED ISOMETRIC MECHANICAL ROOM
SCALE:



DOMESTIC HOT WATER NATURAL GAS/PROPANE CONNECTION

SCALE: NONE

BOILER AND WATER HEATER PROPANE GAS PIPE ROUTING DIAGRAM

SCALE: NONE

CLEARANCE TABLE

DEVICE	CLEARANCE TO	DISTANCE	REQUIRED	CODE
1000 GAL. PROPANE TANK VENT	BUILDING OPENING	48'	10'	FBC FG 406.7.1.3
1000 GAL. PROPANE TANK VENT	SOURCE OF IGNITION	25'	10'	FBC FG 406.7.1.3
1000 GAL. PROPANE TANK VENT	MECHANICAL AIR INTAKE	52'	25'	FBC FG 406.7.1.3
1000 GAL. PROPANE TANK	BUILDING	40'	10'	NFPA 58 6.3.2.3 FBC FG 413.3.1
1000 GAL. PROPANE TANK	PROPERTY LINE	16'	10'	NFPA 58 6.3.2.3 FBC FG 413.3.1
GENERATOR EXHAUST	PROPERTY LINE	60'	10'	FMC M 501.3.1(2)
GENERATOR EXHAUST	OPERABLE BUILDING OPENING	34'	10'	FMC M 501.3.1(2)

PROPANE TO WATER HEATER LONGEST RUN TABLE

ROUTING	TANK REGULATOR TO WH-2 REGULATOR	WH-2 REGULATOR TO WATER HEATER	WH-1 REGULATOR TO WATER HEATER	B-1 REGULATOR TO BOILER
LENGTH	120'-0"	3'-0"	3'-0"	3'-0"
CAPACITY	1,150 CFH	199.95 CFH	199.95 CFH	750 CFH
PRESSURE	HIGH PRESSURE (2 PSI)	LOW PRESSURE (<2 PSI)	LOW PRESSURE (<2 PSI)	LOW PRESSURE (<2 PSI)
INLET PRESSURE	2.0 psi	11.0 in. w.c.	11.0 in. w.c.	11.0 in. w.c.
PRESSURE DROP	1.0 psi	0.5 in. w.c.	0.5 in. w.c.	0.5 in. w.c.
SPECIFIC GRAVITY	1.50	1.50	1.50	1.50
TABLE MAX. CAPACITY (Btu)	2,690 BTUH	291 BTUH	291 BTUH	1,150 BTUH
NOMINAL PIPE SIZE	1"	1/2"	1/2"	1"
ACTUAL ID	1.049	0.622	0.622	1.049
PIPE MATERIAL	SCHEDULE 40 STEEL	SCHEDULE 40 STEEL	SCHEDULE 40 STEEL	SCHEDULE 40 STEEL
FBCFG TABLE	402.4(27)	402.4(28)	402.4(28)	402.4(28)

HVAC PIPING LEGEND

- HOT WATER SUPPLY
- HOT WATER RETURN
- REFRIGERANT SUPPLY
- REFRIGERANT RETURN
- LIQUID PROPANE
- CONDENSATE RETURN

HVAC DUCT LEGEND

- SUPPLY DUCT
- RETURN DUCT
- OUTDOOR AIR DUCT
- GENERAL EXHAUST DUCT
- HAZARDOUS EXHAUST DUCT

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PROJECT # 225014.00

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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

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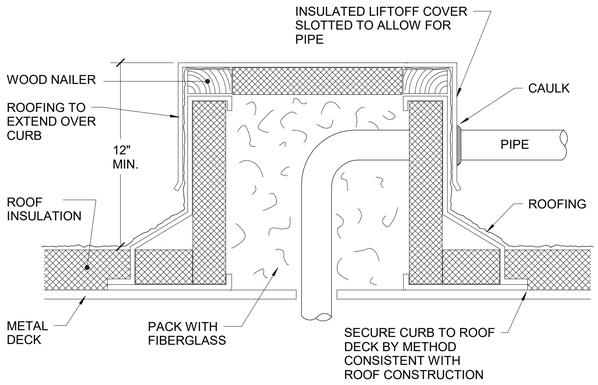
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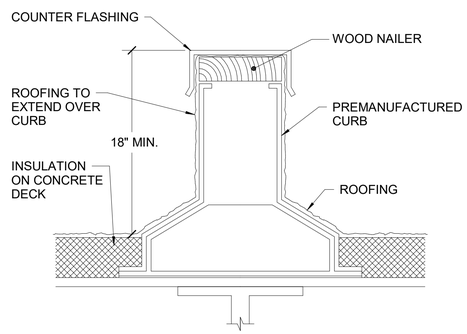
TITLE: ENLARGED PLANS

SHEET: M301

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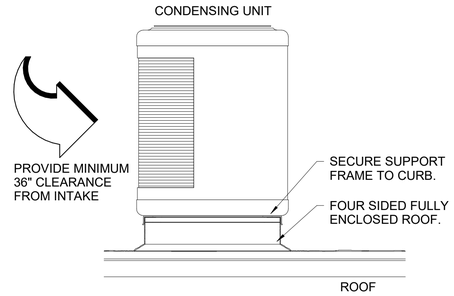


PIPE THRU ROOF DETAIL — 1
No Scale



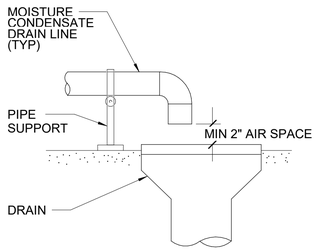
NOTES:
1. SECURE CURB TO BUILDING STRUCTURE BY BOLTING OR WELDING.
2. DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS. AS A DELIGATED ENGINEERING DESIGN, INSTALLATION DETAILS OF UNIT AND CURB ANCHORAGE TO STRUCTURE IS TO BE STAMPED AND SIGNED BY FLORIDA STRUCTURAL ENGINEER TO COMPLY WITH WIND LOAD REQUIREMENTS

EQUIPMENT-DUCT SUPPORT CURB — 2
No Scale

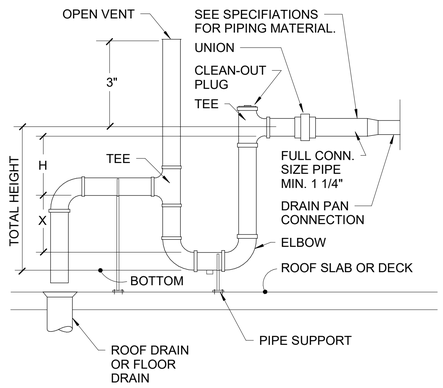


NOTES:
1. DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS. AS A DELIGATED ENGINEERING DESIGN, INSTALLATION DETAILS OF UNIT AND CURB ANCHORAGE TO STRUCTURE IS TO BE STAMPED AND SIGNED BY FLORIDA STRUCTURAL ENGINEER TO COMPLY WITH WIND LOAD REQUIREMENTS

CONDENSING UNIT ON ROOF — 3
No Scale



TERMINATION DETAIL OF MOISTURE CONDENSATE LINE — 4
No Scale

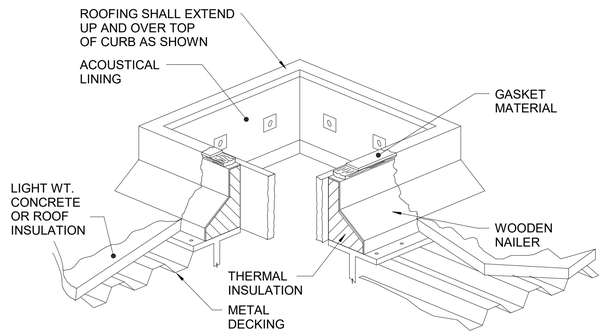


NOTE:
SLOPE DRAIN LINE MINIMUM OF 1/8" PER FOOT TO ROOF
TOTAL HEIGHT OF TRAP= X+H+ (1 1/2 x PIPE DIAMETER)

FOR DRAW THRU UNITS

X= MIN. 1/2 H (PREFERRED X=H)
H= NEGATIVE STATIC PRESSURE +1"

CONDENSATE DRAIN TRAP — 5
No Scale



NOTES:
1. CURB HEIGHT SHALL BE AS SET FORTH IN MECH. SPECS. SECURE CURB TO BUILDING STRUCTURE BY BOLTING OR WELDING.
2. DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS ONLY. ALL CURBS ARE TO BE INSTALLED PER PRIOR APPROVED NOA OR SUBMITTED DELIGATED DESIGN ENGINEER DRAWINGS.

ROOF CURB ON METAL DECK DETAIL — 6
No Scale

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SHEET: M401

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System No. W-L-7221

November 10, 2014

ANSI/UL1479 (ASTM E814)

F Rating — 1 and 2 Hr (See Item 1)

T Rating — 0 and 1/2 Hr (See Item 1)

L Rating At Ambient — Less Than 1 CFM/sq ft

L Rating At 400 F — Less Than 1 CFM/sq ft

System No. W-L-7221

November 10, 2014

CAN/ULC S115

F Rating — 1 and 2 Hr (See Item 1)

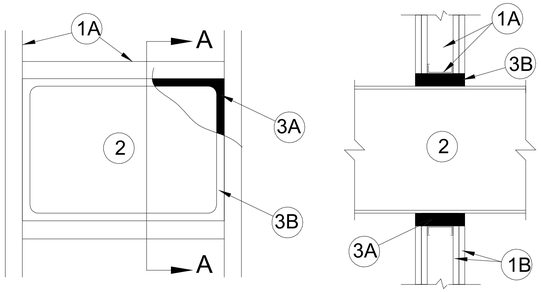
FT Rating — 0 and 1/2 Hr (See Item 1)

FH Rating — 1 and 2 Hr (See Item 1)

FTH Rating — 0 and 1/2 Hr (See Item 1)

L Rating At Ambient — Less Than 1 CFM/sq ft

L Rating At 400 F — Less Than 1 CFM/sq ft



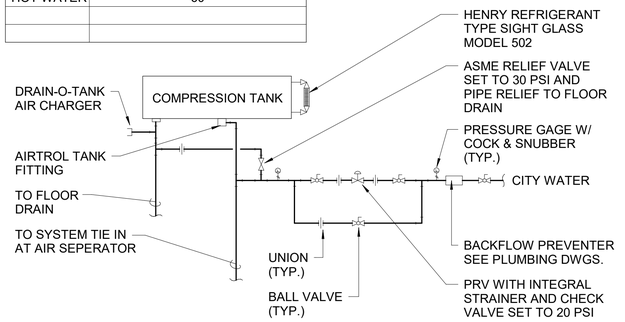
SECTION A-A

1. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs —** Wall framing shall consist of steel channel studs. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be used to completely frame around opening.
   B. **Gypsum Board* —** Min 5/8 in. (16 mm) thick, 4 ft (121 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U400 or V400 Wall and Partition Design. Max area of opening is 928 sq in. (5987 sq cm) with a max dimension of 32 in. (813 mm).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T, FT and FTH Rating of the firestop system is 0 hr when installed in 1 hr rated walls and ⅓ hr when installed in 2 hr rated walls.
2. **Steel Duct —** Max 27 by 30 in. (686 by 762 mm) No. 24 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the opening. The annular space shall be min 1/2 in. (19 mm) to max 1-1/2 in (38 mm). Duct to be rigidly supported on both sides of wall assembly.
3. **Firestop System —** The firestop system shall consist of the following:
   A. **Packing Material —** Min 3-5/8 in. (92 mm) or 5 in. (127 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation for 1 or 2 hr rated walls, respectively. Mineral wool to be firmly packed into opening as a permanent form and recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. **Forming Material* —** As an alternate to the packing material in Item 3A, nom 4 in. (102 mm) wide strips of min 1/2 in (13 mm) thick compressible mat to be stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 3-5/8 in. (92 mm) or 5 in. (127 mm) depth for 1 hr and 2 hr rated walls respectively. Forming material to be recessed from both surfaces of wall as necessary to accommodate the required thickness of fill material.
   3M COMPANY 3M FIRE PROTECTION PRODUCTS — Fire Barrier Packing Material
   B. **Fill Void or Cavity Material*— Caulk —** Min 5/8 in. (16 mm) thickness of fill material applied within annular space, flush with both sides of wall.
   3M COMPANY 3M FIRE PROTECTION PRODUCTS — FB-3000 WT, IC 15WB+ or CP 25WB+

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

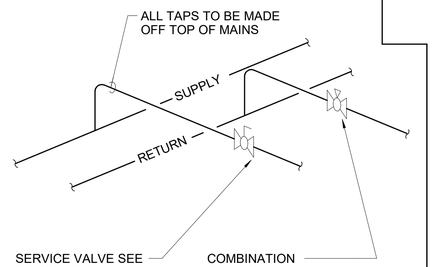
HAZARDOUS DUCT SMOKE BARRIER PENETRATION ASSEMBLY 1
NO SCALE

SYSTEM	TANK SIZE (ACCEPT. VOL. GAL.)
HOT WATER	60

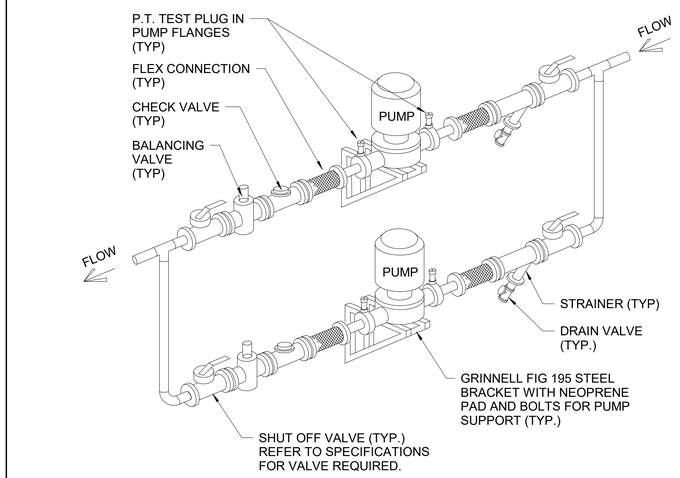


NOTE:
AIRTROL FITTING TO EXTEND INTO TANK 2/3'S OF TANK DIAMETER.

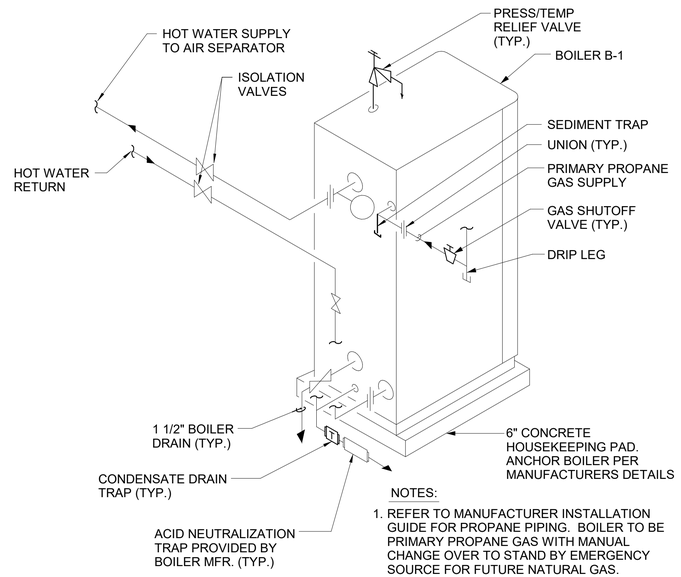
COMPRESSION TANK DETAIL 2
No Scale



DETAIL OF PIPING AT BRANCH TAKE-OFF No Scale 3

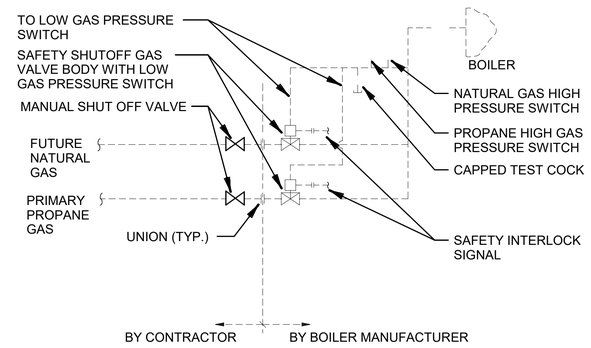


WALL MOUNTED DUPLEX IN-LINE PUMP DETAIL 4
No Scale



NOTES:
1. REFER TO MANUFACTURER INSTALLATION GUIDE FOR PROPANE PIPING. BOILER TO BE PRIMARY PROPANE GAS WITH MANUAL CHANGE OVER TO STAND BY EMERGENCY SOURCE FOR FUTURE NATURAL GAS.

BOILER PIPE CONNECTION DETAIL 5
No Scale



NOTE: DUAL PROPANE AND NATURAL GAS DUTY GAS TRAIN TO BE FURNISHED BY THE BOILER MANUFACTURER AS PART OF THE BOILER

PROPANE/ NATURAL GAS BOILER CONNECTION DETAIL No Scale 6

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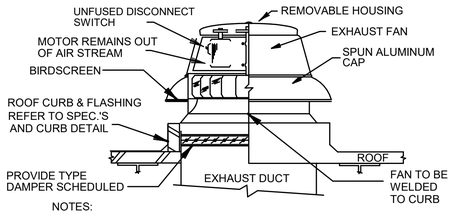
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TITLE: HVAC - DETAILS

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NOTES:

1. PROVIDE RUBBER VIBRATION ISOLATORS TO PREVENT MOTOR AND BEARING NOISE FROM TRANSMITTING TO THE FAN HOUSING.

2. ROUTE POWER LEADS TO FAN INSIDE CORNER OF CURB.

3. BELT DRIVEN CENTRIFUGAL EXHAUST FAN SHOWN. DETAIL IS SIMILAR FOR DIRECT DRIVE CENTRIFUGAL EXHAUST FAN.

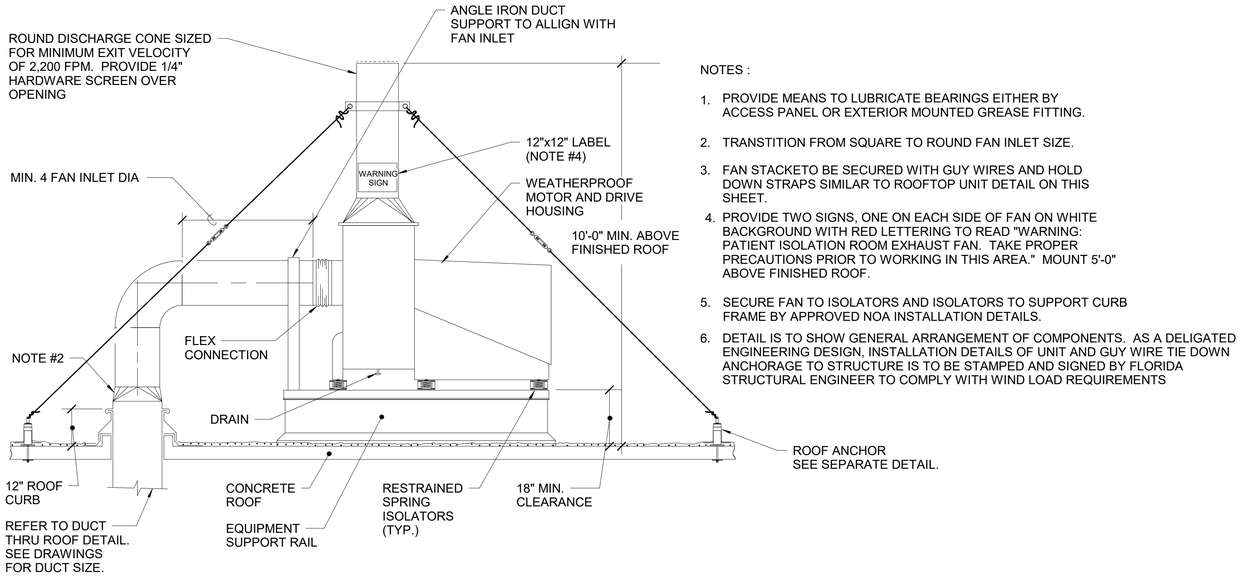
4. EXHAUST FAN AND CURB TO BE INSTALLED PER NOA DETAIL, NOA DETAIL TO BE INCLUDED IN EQUIPMENT SUBMITTAL FOR CONTRACTOR USE ON SITE. IF CONTRACTOR ELECTS TO PURCHASE EQUIPMENT NOT COVERED BY A CURRENT NOA, DELIGATED ENGINEERING DESIGN INSTALL DETAILS ARE REQUIRED.

5. PROVIDE SLOPED CURB FOR LEVEL ROOF INSTALLATION.

CENTRIFUGAL EXHAUST FAN

No Scale

1



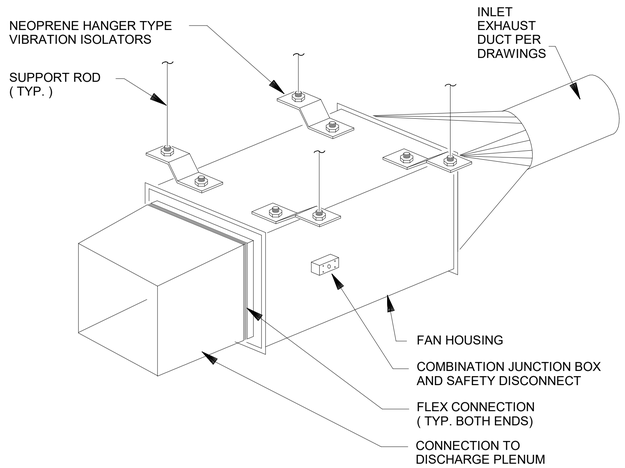
NOTES :

1. PROVIDE MEANS TO LUBRICATE BEARINGS EITHER BY ACCESS PANEL OR EXTERIOR MOUNTED GREASE FITTING.
2. TRANSTITION FROM SQUARE TO ROUND FAN INLET SIZE.
3. FAN STACKETO BE SECURED WITH GUY WIRES AND HOLD DOWN STRAPS SIMILAR TO ROOFTOP UNIT DETAIL ON THIS SHEET.
4. PROVIDE TWO SIGNS, ONE ON EACH SIDE OF FAN ON WHITE BACKGROUND WITH RED LETTERING TO READ "WARNING: PATIENT ISOLATION ROOM EXHAUST FAN. TAKE PROPER PRECAUTIONS PRIOR TO WORKING IN THIS AREA." MOUNT 5'-0" ABOVE FINISHED ROOF.
5. SECURE FAN TO ISOLATORS AND ISOLATORS TO SUPPORT CURB FRAME BY APPROVED NOA INSTALLATION DETAILS.
6. DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS. AS A DELIGATED ENGINEERING DESIGN, INSTALLATION DETAILS OF UNIT AND GUY WIRE TIE DOWN ANCHORAGE TO STRUCTURE IS TO BE STAMPED AND SIGNED BY FLORIDA STRUCTURAL ENGINEER TO COMPLY WITH WIND LOAD REQUIREMENTS

ISOLATION ROOM/E.D.WAIT EXHAUST FAN DETAIL

No Scale

2

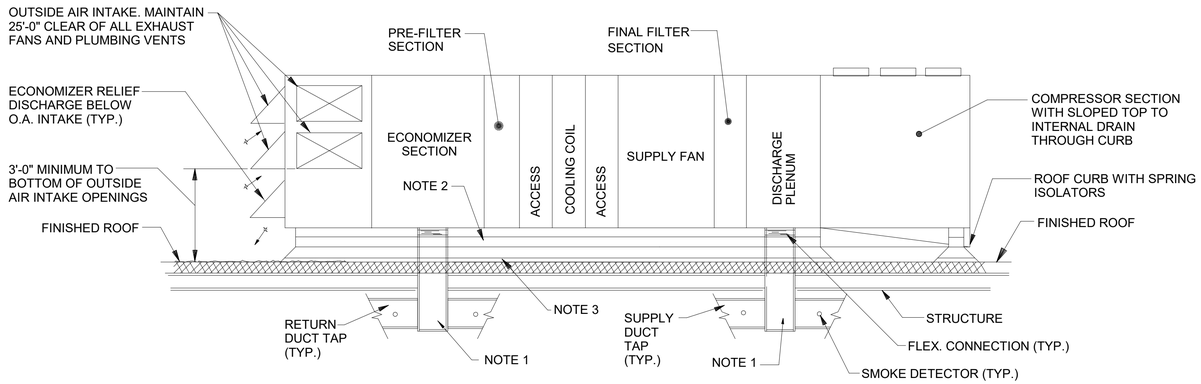


IN-LINE EXHAUST FAN SIDE DISCHARGE PLENUM MOUNTING DETAIL

No Scale

3

NOTE: ECONOMIZER OUTSIDE AIR INTAKE TO BLANKED OFF. REFER TO ROOF PLAN SHEET M102.



NOTES:

1. PROVIDE 1" ACOUSTICAL BARRIER WRAP FOR VERTICAL DUCT DROP AND THE FIRST 6'-0" OF EACH TAP.

2. UNIT TO BE MOUNTED ON 18" HIGH SPRING ISOLATION ROOF CURB. UNIT TO BE PERMANENTLY ATTACHED TO CURB BY BOLTING OR WELDING. ROOF CURB IS TO BE ATTACHED TO BUILDING STRUCTURAL STEEL BY BOLTING OR WELDING.

3. PROVIDE ROOF CURB AND LEVEL INSTALLATION OF RTU. CONTRACTOR TO COORDINATE AND VERIFY TOP OF RTU IS BELOW TO OF SCREEN WALL.

4. DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS. AS A DELIGATED ENGINEERING DESIGN, INSTALLATION DETAILS OF UNIT AND CURB ANCHORAGE TO STRUCTURE IS TO BE STAMPED AND SIGNED BY FLORIDA STRUCTURAL ENGINEER TO COMPLY WITH WIND LOAD REQUIREMENTS

5. OUTSIDE AIR INTAKES TO BE PROTECTED BY SCREEN OF CORROSION RESISTANT MATERIAL NOT LARGER THAN 0.5" MESH.

ROOFTOP UNIT DETAIL

No Scale

4

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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENT

PHILIP D. BARBE — No. 80976 — STATE OF TENNESSEE — REGISTERED PROFESSIONAL ENGINEER
Phillip D. Barbe 2025.12.15
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DATES OF ISSUANCE
12/18/2025

TITLE: HVAC - DETAILS

SHEET: M403

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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

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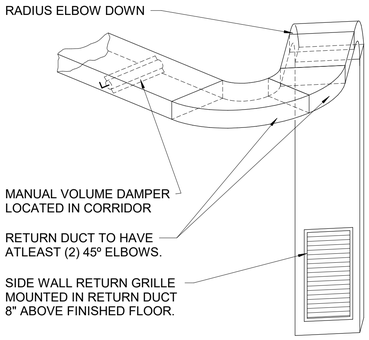
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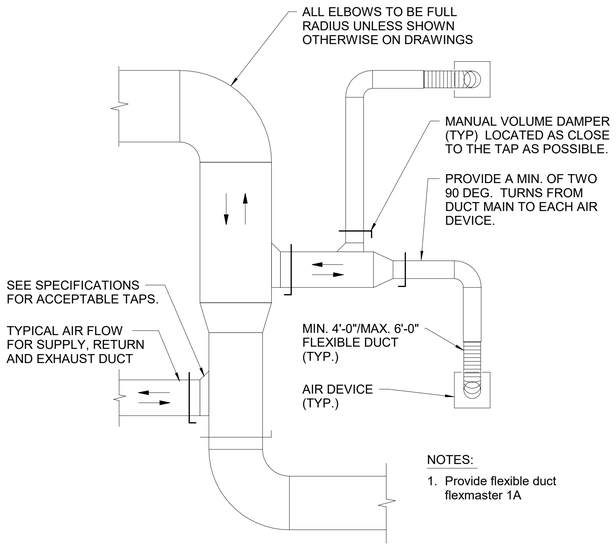
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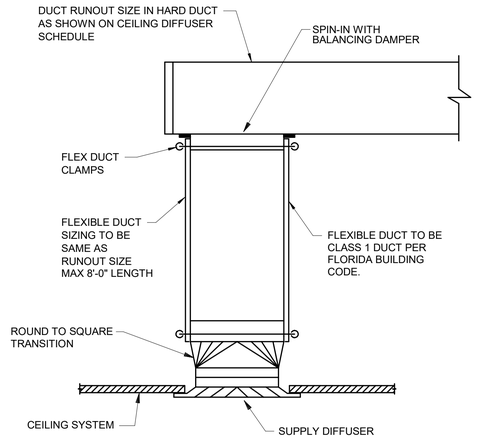
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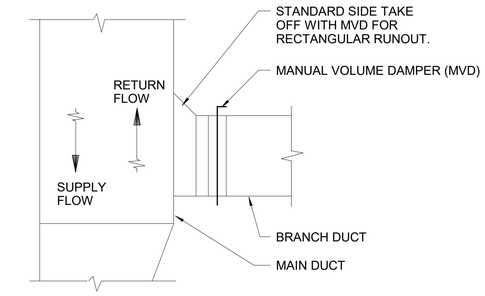
TYPICAL LOW WALL RETURN/EXHAUST GRILLE — 1
No Scale



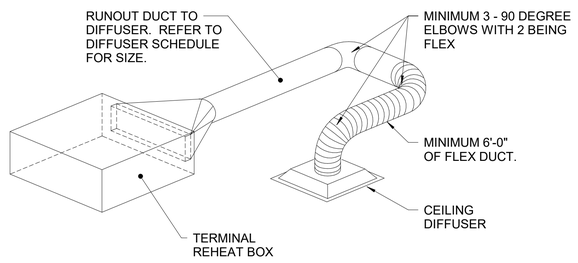
TYPICAL LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCT DETAIL — 2
No Scale



SUPPLY AIR DIFFUSER DETAIL — 3
No Scale

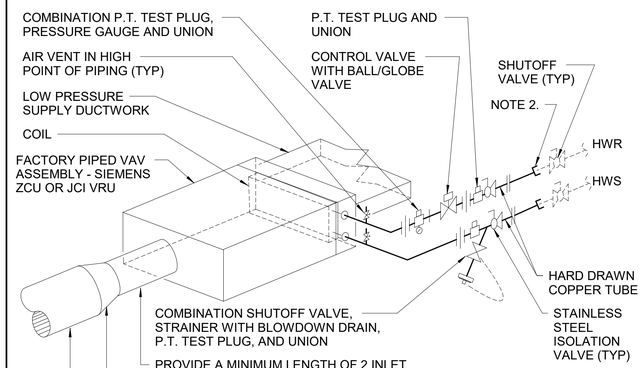


LOW PRESSURE RECTANGULAR BRANCH DUCT RUNOUT — 4
No Scale



NOTES:
1. 90 DEGREE ELBOWS IN FLEX DUCT TO HAVE NOT LESS THAN ONE DUCT DIAMETER CENTERLINE RADIUS.

BOX SERVING ONE DIFFUSER DETAIL — 5
No Scale



NOTES:
1. IF RUNOUT PIPING FROM RESPECTIVE HOT WATER MAIN TO TERMINAL BOX FLEX CONNECTION IS HIGHER THAN BOX AT ANY POINT, AN ADDITIONAL MANUAL AIR VENT MUST BE PROVIDED AT HIGH POINT OF THE RUNOUT PIPE.
2. CONTRACTOR TO COORDINATE CONNECTION TYPE WITH BOX MANUFACTURER.

VARIABLE VOLUME BOX CONNECTION DETAIL — 6
No Scale

Phillip D. Barbe
2025.12.15



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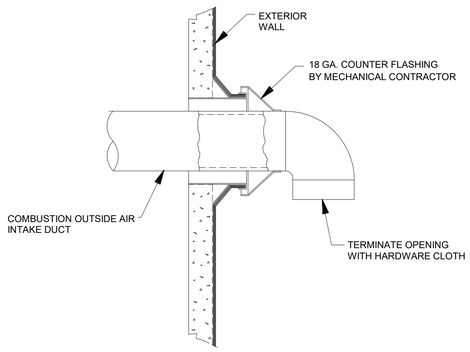
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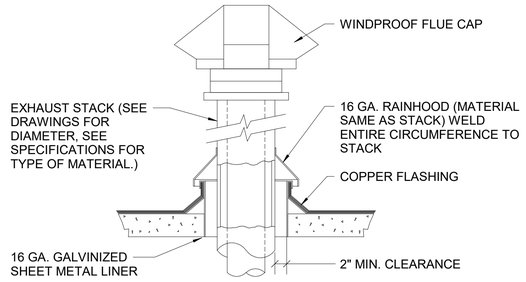
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COMBUSTION OUTSIDE AIR INTAKE DETAIL
No Scale

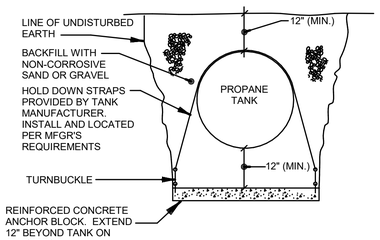
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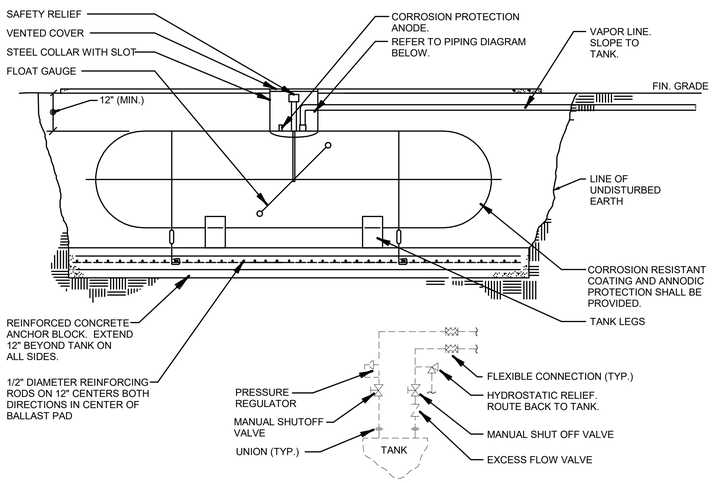


DETAIL IS TO SHOW GENERAL ARRANGEMENT OF COMPONENTS. AS A DELIGATED ENGINEERING DESIGN, INSTALLATION DETAILS OF UNIT AND GUY WIRE TIE DOWN ANCHORAGE TO STRUCTURE IS TO BE STAMPED AND SIGNED BY FLORIDA STRUCTURAL ENGINEER TO COMPLY WITH WIND LOAD REQUIREMENTS

FLUE GAS EXHAUST STACK DETAIL
No Scale

2





NOTES:

1. PROVIDE TANK AND FITTINGS REQUIRED FOR A UL COMPLIANT INSTALLATION.

2. TANK TO BE PROVIDED BY MECHANICAL CONTRACTOR AS AN ADD ALTERNATE #1 TO THEIR BASE BID. THE OWNER MAY ELECT TO ALLOW GAS PROVIDER TO INSTALL AS PART OF SERVICE CONTRACT. IF TANK AND INSTALLATION IS PROVIDED BY GAS PROVIDER, CONTRACTOR IS RESPONSIBLE FOR POINT TO POINT PIPING AND CONNECTION TO OWNER FURNISHED EQUIPMENT.

3. DETAILS ARE FOR GENERAL INFORMATION ONLY. FULL DETAILS, DRAWINGS AND CALCULATIONS OF BALLAST PAD, ANCHORS, HOLD DOWN STRAPS, ETC. SHALLBE PROVIDED BY TANK SUPPLIERS.

UNDERGROUND PROPANE TANK DETAIL
No Scale

3

TYPICAL INSTALLATION DETAILS

(A) RETAINING ANGLES:
MINIMUM 11/2"x11/2"x0.054 (16 GA.)
RETAINING ANGLES MUST LAP STRUCTURAL
OPENING 1" MINIMUM AND COVER CORNERS
OF OPENINGS.

(B) CLEARANCE 1/8" PER LINEAR FOOT BOTH DIMENSIONS (SEE NOTE #1 BELOW.)

(C) STEEL SLEEVE: GAUGE AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS.

(D) APPROVED FIRE DAMPER (CURTAIN OR BLADE TYPE)

(E) SECURE RETAINING ANGLES TO SLEEVE ONLY, ON 8" CENTERS WITH:
1. 1/2" LONG WELDS, OR
2. 1/4" BOLTS AND NUTS, OR
3. NO. 10 STEEL SCREWS, OR
4. MINIMUM 3/16" STEEL RIVETS

PREFERRED

(F) SECURE DAMPER TO SLEEVE ON 8" CENTERS WITH:
1. 1/2" LONG WELDS, OR
2. 1/4" " BOLTS AND NUTS, OR
3. NO. 10 STEEL SCREWS, OR
4. MINIMUM 3/16" STEEL RIVETS

(G) CONNECT DUCT TO SLEEVE AS REQUIRED BY THE MANUFACTURER.

(H) INSTALL 12"x12"ACCESS DOOR OR PANEL FOR COMPLETE SERVICE TO ALL COMPONENTS. SERVICE AND INSPECTION DOOR MUST BE LARGE ENOUGH TO CHANGE LINK WHERE A 12"x12" PANEL CAN NOT BE PROVIDED. REFER TO SHEET M407, DETAILS #1 AND #2 FOR REMOVABLE DUCT REQUIREMENTS.

NOTES:

1. FIRE DAMPER SLEEVE CLEARANCE WITHIN WALL OPENING.

2. CLEARANCE REQUIREMENTS FOR DAMPER SLEEVES WITHIN A WALL OPENING IS BASED ON 1/8" INCH PER FOOT OF WIDTH (OR HEIGHT) UNLESS OTHERWISE STATED IN THE LISTING OF THE ASSEMBLY. THE SLEEVE MAY REST ON THE BOTTOM OF THE OPENING, AND NEED NOT BE CENTERED. (FRACTIONAL DIMENSIONS SHALL BE TAKEN AS THE NEXT LARGEST WHOLE FOOT.)

EXAMPLE: A 30 INCH X 24 INCH FIRE DAMPER SLEEVE IS INSTALLED IN A WALL OPENING. THE OPENING SHALL BE 30 3/8 INCHES WIDE (1/8 INCH x3 FEET) BY 24 1/4 INCHES HIGH (1/8 INCH x2 FEET.)

3. THE SLEEVE IS RETAINED IN THE WALL OPENING BY THE USE OF STEEL RETAINING ANGLES (A). THESE MUST OVER-LAP THE EDGE OF THE FRAMING BY A MINIMUM OF ONE (1) INCH OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1 3/8 INCHES (GOOD PRACTICE CALLS FOR AN ADDITIONAL SAFETY FACTOR BY MAKING THE ANGLE IN THIS CASE 1 1/2 INCHES WIDE.) THE DIMENSIONS REQUIRED FOR THE OPENING SHALL BE THOSE REMAINING AFTER THE OPENING HAS BEEN FRAMED AND FIRE RESISTIVE MATERIALS PROVIDED WHERE.

4. DUCT ACCESS DOORS MUST PROVIDE COMPLETE INTERNAL ACCESS AND BE AT LEAST 12"x12" OR MORE IN SIZE. ON SMALLER DUCTS INSTALL INTACT REMOVABLE DUCT SECTION OF MAXIMUM SIZE POSSIBLE TO PROVIDE COMPLETE ACCESS. 2023 FBC 717.4.1.

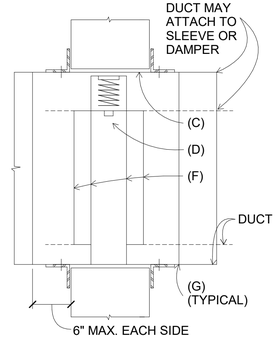
PROVIDE A COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT THE AHCA INSPECTION.

REQUIRED. THE FIRE RESISTIVE MATERIALS SHALL BE EQUAL TO THE REQUIREMENTS FOR FIRE RESISTIVE MATERIALS USED IN THE CONSTRUCTED WALL SO THAT A CONTINUOUS RATING EXISTS AT THE WALL PENETRATION.

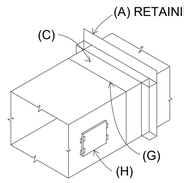
MANUFACTURERS' INSTALLATION DETAILS

THE FIRE DAMPER MANUFACTURERS' INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY U.L. MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.

NOTE:
NO CAULKING IS REQUIRED ON FIRE DAMPERS OR FIRE DAMPER RETAINING ANGLES.



VERTICAL POSITION IS SHOWN, HORIZONTAL INSTALLATION IS SIMILAR. FOLLOW INSTALLATION INSTRUCTION FOR FUSIBLE LINKS. LINKS TO BE 165º F.



NOTE:
A DUCT MOUNTED SMOKE DETECTOR SHALL BE INSTALLED IN THE DUCTWORK WITHIN FIVE FEET OF A COMBINATION FIRE/SMOKE DAMPER. SMOKE DETECTOR TO BE PROVIDED BY ELECTRICAL CONTRACTOR INSTALLED BY MECHANICAL CONTRACTOR.

FIRE & FIRE/SMOKE DAMPERS
No Scale

4

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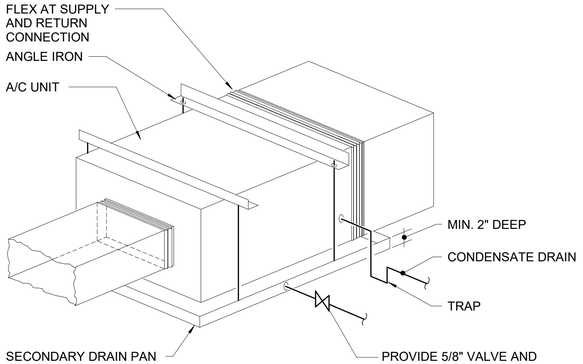
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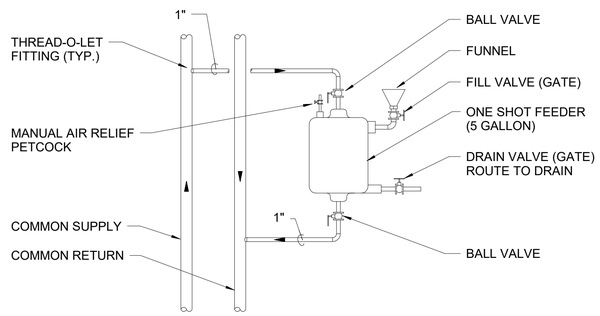
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SECONDARY DRAIN PAN DETAIL

No Scale

1



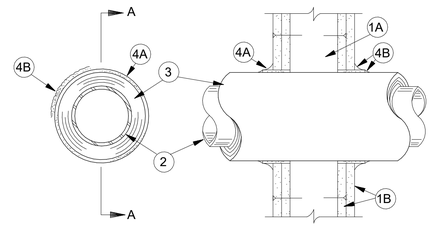
NOTE:
COORDINATE FINAL LOCATION WITH END USER AND CHEMICAL VENDOR.

ONE-SHOT FEEDER DETAIL

No Scale

2

SYSTEM NO. W-L-5001
MAY 19, 2005
F RATINGS - 1 AND 2 HR (SEE ITEM 1)
T RATINGS - 3/4 , 1 AND 1 1/2 HR (SEE ITEM 3)
L RATING AT AMBIENT - 2 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

   B. GYPSUM BOARD* - NOM 5/8 IN. (16 MM) THICK, 4 FT (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 14-1/2 (368MM) IN FOR WOOD STUD WALLS AND 18 IN. (457 MM) FOR STEEL STUD WALLS.
   THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS 1 HR WHEN INSTALLED IN A 1 HR FIRE RATED WALL AND 2 HR WHEN INSTALLED IN A 2 HR FIRE RATED WALL.

2. THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:

   A. STEEL PIPE - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

   C. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. PIPE COVERING* - NOM 1 OR 2 IN. (25 OR 51 MM) THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF OR 56 KG/M3) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENERS OR WITH BUTT STRIP TAPE SUPPLIED WITH THE PRODUCT. WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED, THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/4 IN. (6 MM) TO MAX 3/8 IN. (10 MM) WHEN NOM 2 IN. (51 MM) THICK PIPE COVERING IS USED, THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM BOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/2 IN. (13 MM) TO MAX 3/4 IN. (19 MM)
   SEE PIPE AND EQUIPMENT COVERING MATERIALS (BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
   THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 3/4 HR WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 1 HR AND 1-1/2 HR WHEN NOM 2 IN. (52 MM) THICK PIPE COVERING IS USED WITH 1 HR AND 2 HR FIRE RATED WALLS, RESPECTIVELY.

4. FIRESTOP SYSTEM - INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:

   A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM 1/4 IN. (6 MM) THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2 IN. (51 MM) WIDE STRIPS. NOM 2 IN. (51 MM) WIDE STRIP TIGHTLY WRAPPED AROUND PIPE COVERING (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX 1-1/4 IN. (32 MM) SUCH THAT APPROX 3/4 IN. (19 MM) OF THE WRAP STRIP WIDTH PROTRUDES FROM THE WALL SURFACE. ONE LAYER OF WRAP STRIP IS REQUIRED WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED. TWO LAYERS OF WRAP STRIP ARE REQUIRED WHEN NOM 2 IN. (51 MM) THICK PIPE COVERING IS USED.

   3M COMPANY - FS-195+

   B. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT 15/32 MIN 1/4 IN. (6 MM) DIAM CONTINUOUS BEAD APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYER APPROX 3/4 IN. (19 MM) FROM THE WALL SURFACE.
   3M COMPANY - CP 25WB+, IC 15WB+, FIREDAM 150+ CAULK OR FB-3000 WT SEALANT

*BEARING THE UL CLASSIFICATION MARK LAST UPDATED ON 2005-05-19

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THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-5001

No Scale

3

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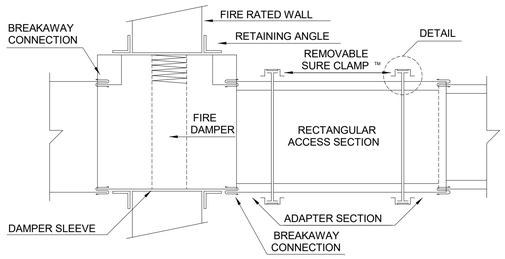
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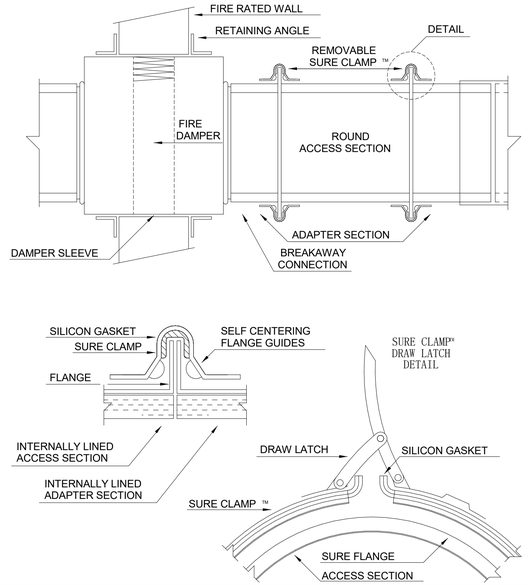
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2950 KRAFT DRIVE
NASHVILLE, TN, 37204
PHONE (615) 346-3400
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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

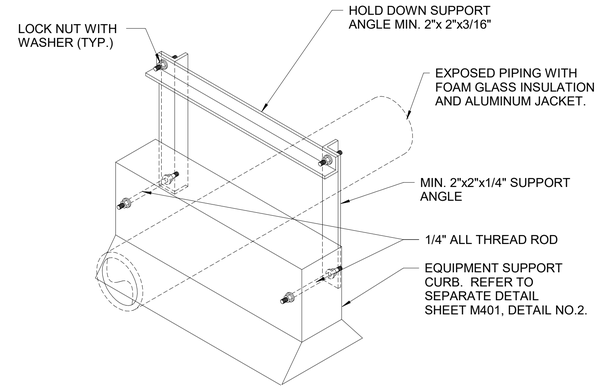
Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893



REMOVABLE SECTION OF FIRE DAMPER RECTANGULAR DUCT DETAIL — 1
No Scale

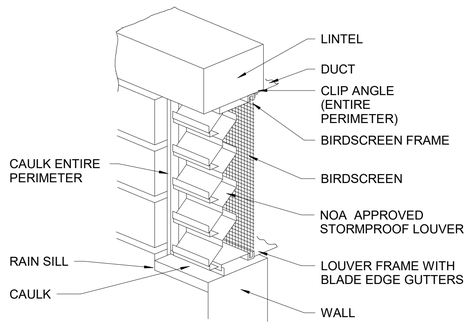


REMOVABLE SECTION OF FIRE DAMPER ROUND DUCT DETAIL — 2
No Scale



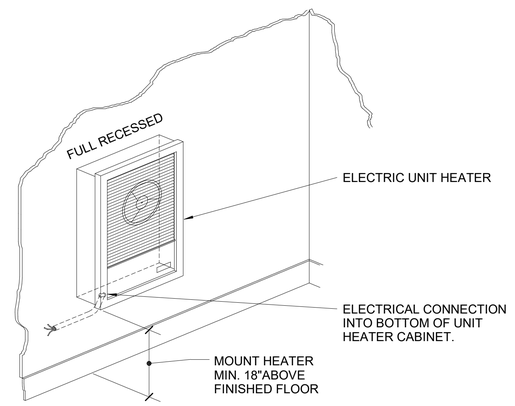
EQUIPMENT SUPPORT CURB MANUFACTURER SHALL SUBMIT DESIGN/ INSTALLATION DRAWINGS STAMPED AND SIGNED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. DESIGN SHALL MEET THE HIGH VELOCITY HURRICANE WIND REQUIREMENTS OF THE FLORIDA BUILDING CODE.

PIPE SUPPORT ON ROOF DETAIL — 3
No Scale

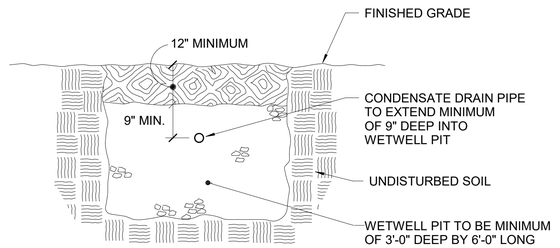


LOUVER MANUFACTURER SHALL SUBMIT DESIGN/ INSTALLATION DRAWINGS STAMPED AND SIGNED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. DESIGN SHALL MEET THE HIGH VELOCITY HURRICANE WIND REQUIREMENTS OF THE FLORIDA BUILDING CODE.

TYPICAL HVAC WALL LOUVER — 4
No Scale



ELECTRIC UNIT HEATER MOUNTING DETAIL — 5
No Scale



WETWELL PIT DETAIL — 6
No Scale

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FL 32459
HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS: CONSTRUCTION DOCUMENT

Phillip D. Barbe
2025.12.15

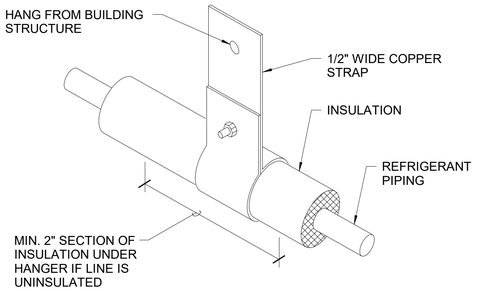
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12/18/2025

TITLE: HVAC - DETAILS

SHEET: M407

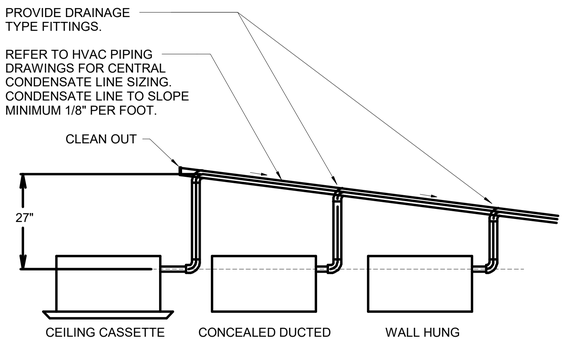
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DETAIL FOR REFRIGERANT LINE HANGER

No Scale

1



NOTES:
1. PROVIDE CEILING CASSETTE AND CONCEALED DUCT UNITS WITH FACTORY MOUNTED AND WIRED CONDENSATE LIFT PUMPS.

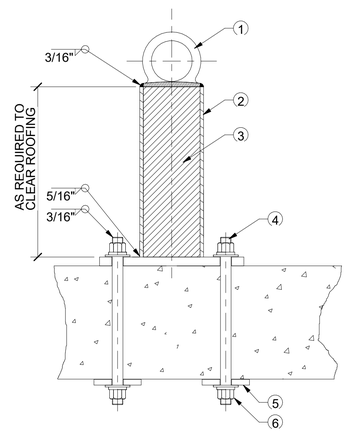
2. WALL HUNG UNITS ARE TO BE PROVIDED WITH ASPEN MINI UNIVOLT LIFT PUMPS, FIELD INSTALLED IN UNITS PER MANUFACTURER'S RECOMMENDATIONS.

3. ALL CONDENSATE LINES ARE GRAVITY AND TO BE SLOPED MINIMUM 1/8" PER FOOT.

VRV CONDENSATE CONNECTION DETAIL

No Scale

2

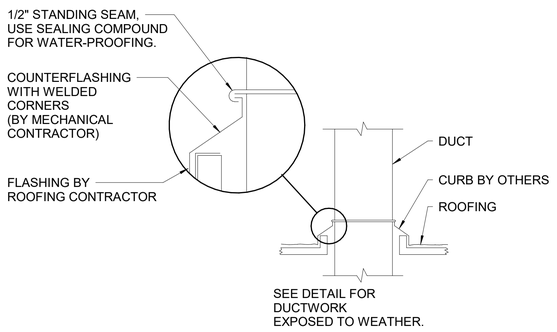


1. FORGED PAD EYE, QUENCHED AND TEMPERED, (ALSO AVAILABLE IN 304 STAINLESS STEEL, ANNEALED) WELDED TO HSS, ENTIRE ANCHOR HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. HSS WELDED TO BASE PLATE. BASE PLATE SIZE AND ANCHOR HEIGHT TO SUIT APPLICATION.
3. MOLDED URETHANE INSULATION TO REDUCE THERMAL TRANSFER AND CONDENSATION, COMMANLY USED IN GREEN CONSTRUCTION.
4. 5/8"ø 304 B8 STAINLESS STEEL THREADED RODS WELDED TO 304 B8 STAINLESS STEEL HEAVY HEX NUTS AND GALVANIZED HEAVY HEX NUTS.
5. 5/8" GALVANIZED FLAT WASHERS, STAINLESS STEEL LOCK WASHERS, AND 304 B8 STAINLESS STEEL HEAVY HEX NUTS.
6. 3/8" THICK, A 36 PLATES. SIZE DEPENDS ON SLAB THICKNESS. (BASED ON 3,000 PSI CONCRETE)

ROOF ANCHOR DETAIL

No Scale

3



DETAIL OF DUCT THRU ROOF

No Scale

4

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Phillip D. Barbe
2025.12.15

PHILLIP D. BARBE · LICENSE · No. 80976 · STATE OF FLORIDA · PROFESSIONAL ENGINEER

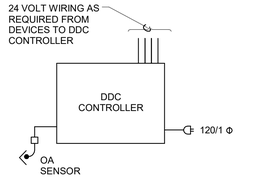
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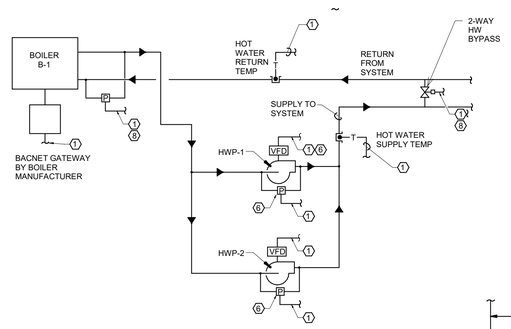
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TITLE
HVAC - DETAILS

SHEET
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HOT WATER SCHEMATIC

CONTRACTOR SHALL PROVIDE P/T TEST PLUGS AT EVERY TEMPERATURE SESNOR LOCATION FOR HOT WATER SYSTEM.

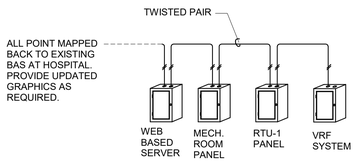
BOILER AND HOT WATER PUMPS

1. BOILER IS ENERGIZED THROUGH ACTION OF HAND-OFF-AUTOMATIC SWITCH MOUNTED ON BOILER CONTROL PANEL WHEN IN THE HAND POSITION OR BY ENERGY MANAGEMENT SYSTEM (EMS) WHEN IN THE AUTOMATIC POSITION. EACH BOILER SHALL BE CONNECTED TO BUILDING ENERGY MANAGEMENT SYSTEM VIA ENERGY MANAGEMENT GATEWAY OR BACNET INTERFACE.
2. BOILER IS CONTROLLED BY UNIT MOUNTED MICROPROCESSOR. MICROPROCESSOR WITH PRESSURE AND TEMPERATURE SENSORS AND ENERGY MANAGEMENT SYSTEM TO MODULATE BOILER CAPACITY CONTROLS TO MAINTAIN DISCHARGE WATER TEMPERATURE.
3. BUILDING REHEAT HOT WATER TEMPERATURE SHALL BE GENERATED BY BOILER WITH MICROPROCESSOR CONTROLLER INTERFACE TO BUILDING ENERGY MANAGEMENT SYSTEM VIA ENERGY MANAGEMENT GATEWAY OR BACNET INTERFACE. MICROPROCESSOR WITH OUTDOOR AIR TEMPERATURE SENSOR AND DISCHARGE WATER TEMPERATURE SENSOR TO MODULATE BURNER AS REQUIRED TO MAINTAIN DISCHARGE WATER TEMPERATURE AS INDICATED BY TEMPERATURE RESET SCHEDULE. VALVES SHALL NOT OPEN UNLESS THE HOT WATER PUMP IS ENERGIZED.
4. THE BOILERS TO BE SERVED BY TWO HOT WATER PUMPS HWP-1 & HWP-2 (ONLY ONE PUMP TO RUN AT A TIME).
5. THE HOT WATER PUMPS SHALL BE ENERGIZED THROUGH ACTION OF HAND-OFF-AUTOMATIC SWITCH MOUNTED ON THE BOILER CONTROL PANEL WHEN IN THE HAND POSITION OR BY THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS) WHEN IN THE AUTOMATIC POSITION. EACH PUMP SHALL BE CONNECTED TO THE EMS VIA ENERGY MANAGEMENT GATEWAY OR BACNET INTERFACE.
6. PUMP SPEED IS MODULATED VIA A VARIBLE FREQUENCY DRIVE IN ACCORDANCE WITH THE EMS SIGNAL TO MAINTAIN SET DIFFERENTIAL PRESSURE AS SENSED BY THE DIFFERENTIAL PRESSURE SENSOR. LOCATE PRESSURE SENSOR 75% AS SHOWN (APPROX. 75% OF MAX PIPE LENGTH) (DP-HW-LOOP).
7. HOT WATER PUMP LEAD/LAG IS ACCOMPLISHED VIA EMS. ONLY ONE HOT WATER PUMP IS TO RUN AT A TIME. THE SECOND PUMP IS A STAND-BY PUMP. EMS TO OPTIMIZE THE RUN TIME OF THE RESPECTIVE HOT WATER PUMPS. UPON FAILURE OF THE LEAD PUMP THE LAG PUMP IS TO BE AUTOMATICLY ENERGIZED BY THE EMS AND THE DDC SYSTEM SHALL BE ALARMED.
8. HOT WATER SYSTEM TO INCLUDE 2-WAY HW BYPASS WITH MODULATING CONTROL VALVE DOWNSTREAM OF HWP-1 & HWP-2 TO ENSURE BOILERS MINIMUM FLOW RATE IS ALWAYS BEING MET. 2-WAY HW CONTROL VALVE POSITION IS MODULATED IN ACCORDANCE WITH THE EMS SIGNAL TO MAINTAIN SET DIFFERENTIAL PRESSURE AS SENSED BY THE DIFFERENTIAL PRESSURE SENSOR ACROSS BOILER HWS&R CONNECTIONS (DP-HW-BYPASS).

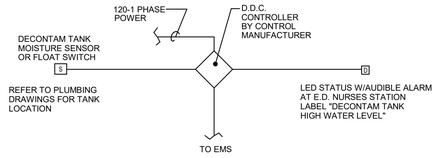
EXHAUST FAN SEQUENCE OF OPERATION AT FIRE ALARM ACTIVATION

UPON ACTIVATION OF FIRE ALARM RTU-1 SHALL SHUT DOWN.
THE FOLLOWING IS TO OCCUR FOR EACH RESPECTIVE EXHAUST FAN:

1. EF-1-1 (INTERLOCKED WITH RTU-1) SHALL SHUT DOWN.
2. EF-1-2 (INTERLOCKED WITH RTU-1) SHALL SHUT DOWN.
3. EF-1-3 (INTERLOCKED WITH RTU-1) SHALL SHUT DOWN.
4. EF-AII SHALL RUN CONTINIOUSLY
5. EF-DEC SHALL RUN CONTINUOUSLY
6. EF-MG SHALL RUN CONTINUOUSLY



ENERGY MANAGEMENT SYSTEM NETWORK WIRING SCHEMATIC



DECONTAM TANK HIGH WATER ALARM CONTROL

SEQUENCE OF OPERATION

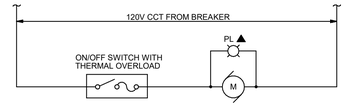
1. MOISTURE SENSOR OR FLOAT SWITCH TO BE INSTALLED WITHIN DECONTAMINATION BELOW GRADE HOLDING TANK. UPON SENSING HIGH WATER LEVEL, EMS TO ALARM AND INITIATE AUDIO VISIUAL ALARM AT E.D. NURSES STATION. LOCAL ALARM AT NURSE STATION MAY BE SILENCED AT LOCAL RESET, BUT ALARM CONDITION MUST BE CLEARED AT FRONT END.

LEGEND

▲	LOCATE IN UNIT CONTROL PANEL	P.L.	PILOT LIGHT
▲▲	CHILLER BUILDING CONTROL PANEL	D.D.C.	DIRECT DIGITAL CONTROL
O.L.'S	OVER LOADS	H.O.A.	HAND-OFF-AUTOMATIC

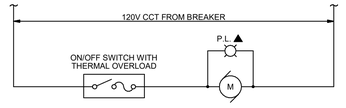
NOTES:

1. ALL 24V & LOWER CONTROL WIRING & CONDUIT BY CONTROLS CONTRACTOR.
2. ALL 120-1 & HIGHER POWER WIRING & CONDUIT BY ELECTRICAL CONTRACTOR.
3. REFER TO DRAWINGS FOR NUMBER OF SUPPLY& RETURN SMOKE DETECTOR REQUIRED FOR EACH RESPECTIVE AHU.



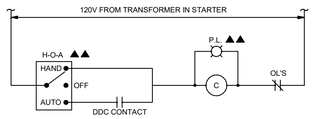
MED GAS EXHAUST FAN CONTROL

(FAN TO RUN CONTINOUSLY)



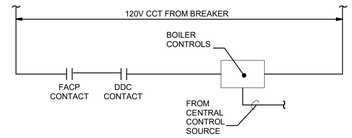
ISOLATION ROOM EXHAUST FAN CONTROL

(FAN TO RUN CONTINOUSLY)



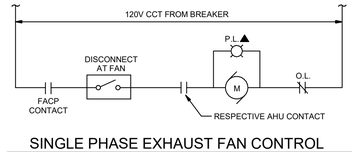
HOT WATER PUMP HWP-1&2

RTU SUPPLY FAN CONTROL



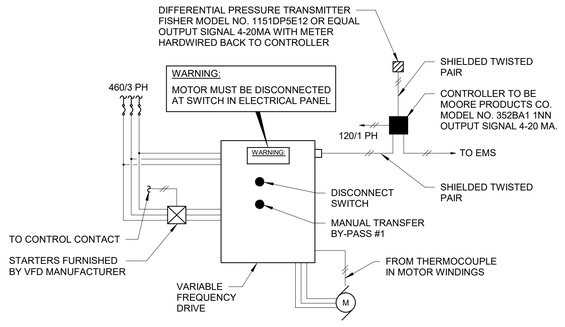
BOILER CONTROL

BOILER SUPPLY TEMP	OAT
120	70
140	30



SINGLE PHASE EXHAUST FAN CONTROL

RTU EXHAUST FAN CONTROL



VARIABLE FREQUENCY DRIVE

AIR HANDLER SUPPLY FANS, RETURN AIR FANS AND HOT WATER PUMPS

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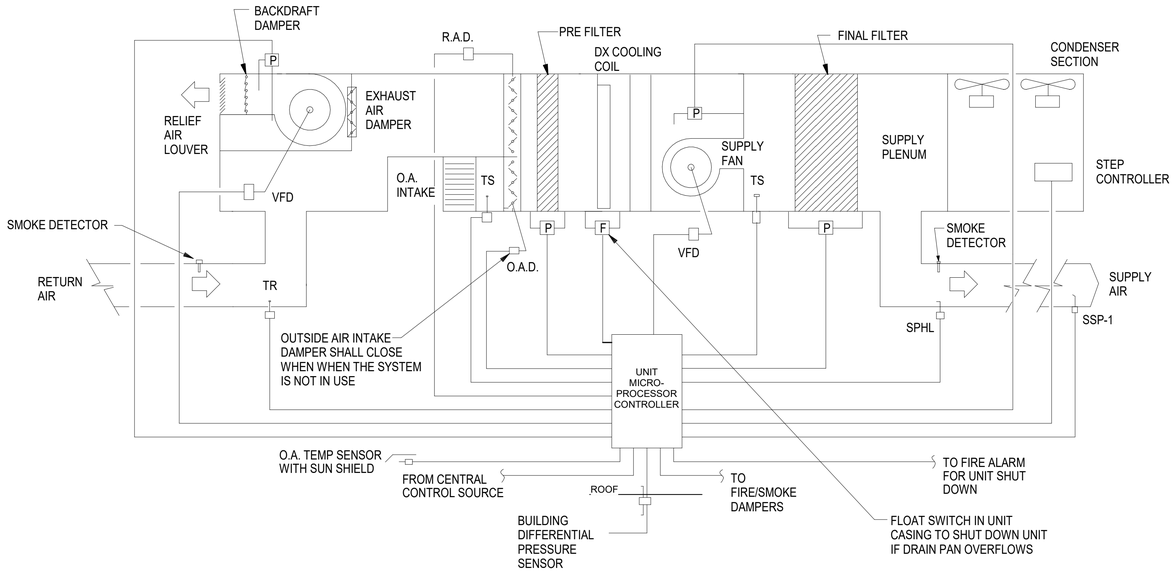
DATES OF ISSUANCE
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TITLE HVAC - CONTROLS

SHEET M501

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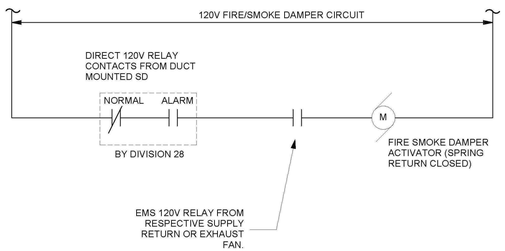
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RTU-1 CONTROL

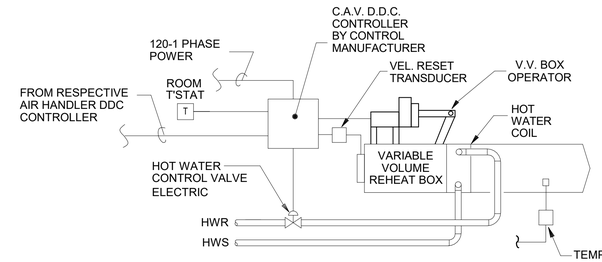
SEQUENCE OF OPERATION

1. SELF-CONTAINED ROOF TOP AIR HANDLING UNIT TO BE CONTROLLED BY STAND ALONE MICRO-PROCESSOR BASED CONTROLLER. RESPECTIVE ROOFTOP UNIT CONTROLLERS TO BE INTER-FACED WITH CENTRAL BUILDING CONTROLLER. CENTRAL BUILDING CONTROLLER TO BE CONNECTED TO INDIVIDUAL ROOFTOP UNIT CONTROLLER UTILIZING A TWISTED PAIR OF SHIELDED CABLE. CENTRAL CONTROLLER TO HAVE AT THE MINIMUM THE FOLLOWING CAPABILITIES: MONITOR UNIT OPERATION, RESET OF UNIT DISCHARGE AIR TEMPERATURE, SCHEDULING AND DIAGONISTICS.
2. CONTROLLER SENSING DISCHARGE AIR TEMPERATURE WILL OPERATE EITHER THE MECHANICAL COOLING COMPONENTS THROUGH RELAY STAGES OR MODULATE THE OUTDOOR AND RETURN AIR DAMPERS BETWEEN THE MINIMUM AND FULL OPEN SETTINGS TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT.
3. ECONOMIZER CYCLE IS ENERGIZED BY CONTROLLER WHEN OUTDOOR ENTHALPY IS BELOW THE SET POINT. DURING ECONOMIZER OPERATION THE CONTROLLER WILL MODULATE THE OUTDOOR AND RETURN AIR DAMPERS TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. IF COOLING DEMAND CANNOT BE MET BY THE FULL OPEN OUTDOOR AIR DAMPER, MECHANICAL COOLING IS ACTIVATED. AT OUTDOOR AIR TEMPERATURE ABOVE THE ENTHALPY SET POINT, MECHANICAL COOLING ONLY IS UTILIZED AND OUTDOOR AIR DAMPER REMAINS AT MINIMUM POSITION.
4. CENTRAL FIRE ALARM PANEL CONTACT TO STOP ROOF TOP UNIT WHEN ALARM CONDITION EXISTS. SEE ELECTRICAL DRAWINGS.
5. SUPPLY FAN IS ENERGIZED BY HAND-OFF-AUTOMATIC LOCATED IN UNIT CONTROL PANEL WHEN IN THE HAND POSITION OR BY UNIT CONTROLLER WHEN IN THE AUTOMATIC POSITION.
6. EXHAUST FAN IS ENERGIZED BY HAND-OFF-AUTOMATIC LOCATED IN UNIT CONTROL PANEL WHEN IN THE HAND POSITION OR BY BAS CONTACT WHEN IN THE AUTOMATIC POSITION. EXHAUST FAN VFD TO ENERGIZE FAN AS REQUIRED TO MAINTAIN BUILDING PRESSURE TO A MAXIMUM OF +0.02" H2O.
7. ALL COMBINATION FIRE/SMOKE DAMPERS ASSOCIATED WITH THIS AIR HANDLING UNIT ARE OPENED WHEN UNIT IS ENERGIZED AND CLOSED WHEN UNIT IS DE-ENERGIZED BY EMS CONTROL FROM F/A SIGNAL.
8. WHEN FREEZESTAT SENSES ABNORMALLY LOW TEMPERATURE AIR ENTERING COOLING COIL, OUTDOOR AND RETURN AIR DAMPERS ARE CLOSED TO MINIMUM POSITION. PANEL.
9. STATIC PRESSURE SENSOR SPHL SENSES HIGH DUCT STATIC IN EVENT OF FIRE DAMPER CLOSURE AND STOPS A/C UNIT.
10. ZONE EXHAUST FANS ARE INTERLOCKED WITH ROOF TOP UNIT THROUGH UNIT CONTROL
11. SUPPLY FAN STATIC PRESSURE SENSOR TO PERFORM THE FOLLOWING FUNCTIONS:
    a. CONTROL SUPPLY AIR CAPACITY

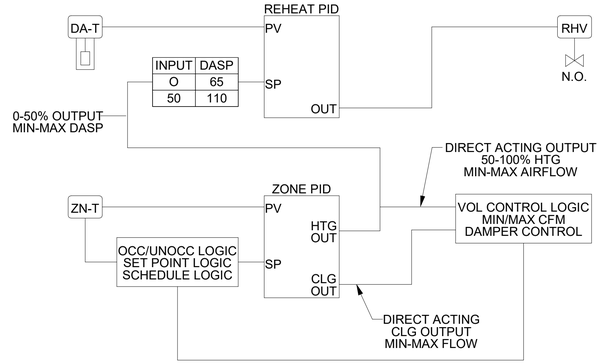


FIRE SMOKE DAMPER (FSD) SEQUENCE OF OPERATION

1. ALL FSD ARE TO BE OPENED AND CLOSED BY DIRECT CONTACTS FROM THE LOCAL DUCT MOUNTED SMOKE DETECTOR PROVIDED BY DIVISION 28 AS PART OF THE BUILDING FIRE ALARM SYSTEM OR BY DEDICATED RELAY FROM EMS FOR THE FAN SYSTEM SERVED. SPECIFIED DUCT DETECTORS REQUIRE AIR FLOW TO MAINTAIN SENSING CAPABILITIES, FOR THAT REASON DAMPERS ARE ALTERNATIVELY CLOSED BY THE EMS RELAY WHEN RESPECTIVE SYSTEM FAN IS DE-ENERGIZED FOR ANY REASON. EMS RELAY TO MONITOR FAN STATUS BY CURRENT SENSOR, YFD STATUS, OR DIFFERENTIAL CONTROL AS SPECIFIED FOR FAN STATUS INPUT OF RESPECTIVE SYSTEM.
2. EMS RELAYS ARE TO BE PROVIDED FOR EACH FAN SYSTEM SERVED. REFER TO FLOOR PLANS FOR FSD QUANTITIES AND LOCATIONS.
3. WHEN AN ALARM CONDITION FROM DUCT SMOKE DETECTOR CLOSES. FSD, RESPECTIVE SUPPLY/RETURN/EXHAUST FAN SHALL CONTINUE TO RUN UNTIL SHUT DOWN BY GENERAL FIRE ALARM OR EMS DUCT STATIC PRESSURE SENSOR FROM DUCT SYSTEM SERVED.



TYPICAL VARIABLE VOLUME REHEAT BOX CONTROL



DUAL PID TERMINAL UNIT - ELEMENTAL LOGIC DETAIL

DUAL PID VAV SEQUENCE OF OPERATION:

1. PROVIDE A 2 DEG F MINIMUM DEADBAND BETWEEN THE HEATING AND COOLING SPACE TEMPERATURE SETPOINTS. WHEN THE SPACE TEMPERATURE IS IN THE DEAD BAND, THE VAV SHALL PROVIDE MINIMUM COOLING AIR FLOW AND THE REHEAT COIL VALVE SHALL BE CLOSED.

COOLING MODE:

1. ON A RISE IN ROOM TEMPERATURE ABOVE THE COOLING SETPOINT THE LOCAL CONTROLLER WILL SHIFT TO COOLING CONTROL LOGIC AFTER AN ADJUSTABLE TIME DELAY (5 MIN).
2. AFTER THE TIME DELAY HAS EXPIRED AND THE MODE HAS CHANGED TO COOLING, THE FLOW SETPOINT WILL CHANGE TO THE COOLING MINIMUM CFM SETPOINT.
3. ON AN INCREASE IN THE ZONE PID COOLING OUTPUT, THE VOLUME CONTROL SHALL INCREASE FROM THE MINIMUM COOLING FLOW TO THE MAXIMUM COOLING FLOW.
4. ON A DECREASE IN THE ZONE PID COOLING OUTPUT, THE INVERSE CONTROL WILL OCCUR AND REDUCE THE COOLING FLOW FROM MAXIMUM COOLING FLOW TO MINIMUM COOLING FLOW. ON A FURTHER REDUCTION IN ZONE TEMPERATURE BELOW THE ZONE HEATING SETPOINT THE VAV CONTROLLER WILL SHIFT THE MODE TO THE HEATING CONTROL LOGIC AFTER AN ADJUSTABLE TIME DELAY (5 MIN).

HEATING MODE:

1. ON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT THE ZONE PID CONTROL HEATING OUTPUT WILL INCREASE.
2. ON AN INCREASE IN THE ZONE PID HEATING OUTPUT FROM 0-50%, THE REHEAT PID DISCHARGE SETPOINT WILL INCREASE FROM MINIMUM TO MAXIMUM DISCHARGE AIR TEMPERATURE SETPOINT, INITIALLY SET AT 65 DEG F (MIN - ADJ.) AND 110 DEG F (MAX - ADJ.). THE BOX CONTROLLER WILL MODULATE THE REHEAT COIL VALVE FROM 0 TO 100% FULL OPEN POSITION IN RESPONSE TO PID HEATING OUTPUT.
3. WITH THE HEATING VALVE AT FULL OPEN POSITION, AND ON A FURTHER INCREASE IN THE ZONE PID HEATING OUTPUT FROM 50-100% THE VOLUME CONTROL SHALL INCREASE FROM THE MINIMUM HEATING AIR FLOW TO THE MAXIMUM HEATING AIR FLOW.
4. ON AN INCREASE IN ZONE TEMPERATURE THE INVERSE CONTROL WILL OCCUR: FIRST REDUCING HEATING AIR VOLUME FROM MAXIMUM TO MINIMUM HEATING AIR FLOW. THEN REDUCING THE REHEAT PID LOOP SETPOINT AND REHEAT COIL VALVE POSITION FROM MAXIMUM TO MINIMUM. WITH THE ZONE PID TEMPERATURE WITHIN THE DEADBAND REGION AND THE ZONE HEATING OUTPUT AT "0"%, THE VAV BOX WILL OPERATE AT MINIMUM HEATING FLOW WITH MINIMUM REHEAT PID SETPOINT.

UNOCCUPIED MODE/OCCUPANCY OVERRIDE:

1. THE SEQUENCES ABOVE DESCRIBE THE OCCUPIED COOLING AND HEATING OPERATION MODES. VAV BOX CONTROLS SHALL INCLUDE THE ABILITY TO RESET SPACE TEMPERATURE SET POINTS BASED ON A PRESET SCHEDULE TO A USER ADJUSTABLE UNOCCUPIED COOLING AND HEATING SET POINT.
2. WHEN ACTIVATED BY BAS TIME SCHEDULE, THE VAV BOX SHALL OPERATE WITH COOLING AND HEATING MODES AS DESCRIBED ABOVE WITH ROOM TEMPERATURE SETPOINT EQUAL TO UNOCCUPIED COOLING AND UNOCCUPIED HEATING SETPOINTS INITIALLY SET AT 80 DEG F COOLING (ADJ.) AND 65 DEG F HEATING (ADJ.).
3. AN OVERRIDE PUSHBUTTON ON THE THERMOSTAT SHALL SWITCH THE SPACE TO OCCUPIED MODE FOR A TIME PERIOD OF 4 HOURS (ADJ.). WHERE APPLICABLE, ACTIVATION OF THE OCCUPIED OVERRIDE SWITCH SHALL COMMAND ASSOCIATED AIR HANDLER INTO OCCUPIED MODE. REFER TO AHU SEQUENCE OF OPERATION FOR REQUIRED OCCUPIED/UNOCCUPIED MODE OF OPERATION.
4. THE FOLLOWING AREAS/SYSTEMS ARE TO BE PROVIDED WITH UNOCCUPIED MODE AND OCCUPANCY OVERRIDE:
   A. ADMINISTRATIVE OFFICES AND SUPPORT SPACE.
5. THE FOLLOWING AREAS/SYSTEMS ARE CONSIDERED TO BE 24 HOUR OPERATION AND WILL NOT REQUIRE AN UNOCCUPIED MODE:
   A. PATIENT ROOMS
1. THE TEMPERATURE AND HUMIDITY IN THE PATIENT ROOMS SHALL BE CONTROLLED TO AN OPERATING RANGE OF 70 TO 75 DEGREES F WITH NO MORE THAN 60% RELATIVE HUMIDITY.

NOTES:

1. OUTPUT TO THE REHEAT CONTROL VALVE SHALL BE SPANNED BETWEEN THE LOWER AND UPPER BOUNDS OF THE FUNCTIONAL RANGE OF THE CONTROL VALVE. TYPICALLY THE FUNCTIONAL RANGE IS BETWEEN 20% AND 85% OPEN. TRAVEL RANGE ABOVE OR BELOW THESE BOUNDS DO NOT RESULT IN A CHANGE OF FLOW.
2. MULTIPLE TERMINAL UNITS SERVED FROM A SINGLE THERMOSTAT SHALL OPERATE FROM ONE MASTER CONTROLLER. REMAINING CONTROLLERS TO BE SLAVE AND SHALL OPERATE TO MAINTAIN THE MASTER CONTOLLER OUTPUT FOR REHEAT VALVE AND DAMPER POSITION.
3. HOT WATER CONTROL VALVE TO BE 2-WAY TYPE UNLESS INDICATED TO BE 3-WAY TYPE.

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STATUS: CONSTRUCTION DOCUMENT

Phillip D. Barbe 2025.12.15

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DATES OF ISSUANCE: 12/18/2025 △

TITLE: HVAC - CONTROLS

SHEET: M502

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NOTE TO CONTRACTOR

COPYING THE POINTS LIST PROVIDED ON THE CONTRACT DOCUMENTS WILL NOT BE SUFFICIENT FOR CONTROLS SUBMITTAL. MANUFACTURER TO PROVIDE SYSTEM SPECIFIC SUBMITTAL TO ACHIEVE INTENT OF THE DOCUMENTS.

EMS POINT SUMMARY TYPICAL REHEAT BOX

POINT DESCRIPTION	HW: OUTPUT (O) DIGITAL: Control Relay	Solenoid	Contactor	OUTPUT (O) ANALOG: Space Temp Control	DCC Control Signal	4-20MA Signal	HW: INPUT (T,D,V,C) DIGITAL: Differential Press Switch	Flow Switch	Switch Closure	Auxiliary Contact	Current Relay	Alarm Condition	INPUT (T,D,V,C) ANALOG: Temperature	Relative Humidity in wg	Position	Flow	Amperes	SW: ALARMS DIGITAL: Equipment Status	Maintenance	ALARMS ANALOG: High Limit	Low Limit	Run Time	Log Data	FUNCTIONS: Scheduled Start/Stop	Optimum Start/Stop	VAV Calibration	Trend Differential Flow	Day/Night Setback	Economizer	Ventilation/Recirculation	Temperature Control	Enthalpy	Sup Air CFM	Reheat Coil Reset	Volume control	Damper Position	Valve Position	Chiller Optimization	Chilled Water Reset	Condenser Water Reset	Chiller Demand Limit	VFD Control	Alarm Condition
SPACE TEMPERATURE SETPOINT (ADJ)				●									●																														
ACTUAL BOX CFM																●																												
BOX CFM MINIMUM																																	●										
BOX CFM MAXIMUM																																	●										
DAMPER POSITION															●																						●						
COMMANDED DAMPER POSITION					●																																						
SUPPLY AIR TEMPERATURE TO SPACE													●								●			●																			
HOT WATER CONTROL VALVE				●																												●										
HOT WATER CONTROL VALVE POSITION																																				●							
COMMANDED HOT WATER CONTROL VALVE POSITION					●																																						
VAV BOX CALIBRATION																											●																

ALL REHEAT BOXES TO BE CONTROLLED AS INDICATED ABOVE.
CONTRACTOR TO VERIFY NUMBER OF BOXES BEING PROVIDED ON PROJECT

BOILER ROOM EMS POINT SUMMARY

POINT DESCRIPTION	HW: OUTPUT (O) DIGITAL: Control Relay	Solenoid	Contactor	OUTPUT (O) ANALOG: Discharge Temp Control	Electrical Transducer	4-20MA Signal	HW: INPUT (T,D,V,C) DIGITAL: Differential Press Switch	Flow Switch	Switch Closure	Auxiliary Contact	Current Relay	Alarm Condition	INPUT (T,D,V,C) ANALOG: Temperature	Relative Humidity	PSIg	Position	Flow	Amperes	SW: ALARMS DIGITAL: Equipment Status	Maintenance	ALARMS ANALOG: High Limit	Low Limit	Run Time	Log Data	FUNCTIONS: Scheduled Start/Stop	Load Calculation	Duty Cycling	Trend Differential Flow	Day/Night Setback	Economizer	Ventilation/Recirculation	Temperature Control	Enthalpy	Hot/Cold Deck Reset	Reheat Coil Reset	Steam Boiler Optimum	Hot Water Boiler Opt.	HW OA Reset	Chiller Optimization	Chilled Water Reset	Condenser Water Reset	Chiller Demand Limit	VFD Control	Alarm Condition
BOILER B-1 START/STOP			●																																									
BOILER B-1 STATUS									●										●				●	●	●																				●
BOILER SUPPLY TEMP													●								●	●		●																				●
BOILER RETURN TEMP													●								●	●		●																				●
OUTDOOR AIR TEMP						●							●											●																				
HOT WATER PUMP (HWP-1)																																												
START/STOP											●								●					●	●																			
STATUS												●								●																								●
HOT WATER PUMP (HWP-2)																																												
START/STOP											●								●					●	●																			
STATUS												●								●																								●

REMARKS

1. REFER TO STEAM/ HOT WTR PIPING ISOMETRIC FOR NUMBER OF STEAM FLOW CAPACITY SENSORS REQUIRED.

EMS POINT SUMMARY AIR HANDLING UNIT RTU-1

POINT DESCRIPTION	HW: OUTPUT (O) DIGITAL: Control Relay	Solenoid	Contactor	OUTPUT (O) ANALOG: Discharge Temp Control	DCC Control Signal	HUMIDITY CONTROL	F&B Pre-heat Control	HW: INPUT (T,D,V,C) DIGITAL: Differential Press Switch	Flow Switch	Switch Closure	Auxiliary Contact	KW	Alarm Condition	INPUT (T,D,V,C) ANALOG: Temperature	Relative Humidity in H2O	Position	Flow	Amperes	SW: ALARMS DIGITAL: Equipment Status	Maintenance	ALARMS ANALOG: High Limit	Low Limit	Run Time	Log Data	FUNCTIONS: Scheduled Start/Stop	Supply Fan Start/Stop	Duty Cycling	Demand Limiting	Day/Night Setback	Humidity Control	Exhaust Fan Control	Temperature Control	Enthalpy	Sup Air Temp Reset	F&B Pre-heat Control	Building Press. Ctl	Hot Water Boiler Opt.	HW OA Reset	VFD Control	Alarm Condition
SUPPLY FAN VFD					●																																			●		
SUPPLY FAN START/STOP			●																																							
SUPPLY FAN STATUS					●				●										●				●	●																			
EXHAUST FAN VFD					●																																			●		
EXHAUST FAN START/STOP			●																																							
EXHAUST FAN STATUS									●										●				●	●																			
DISCHARGE AIR TEMP.														●								●	●	●																			●
RET. AIR TEMP. & HUMIDITY														●	●							●	●	●																			
OUTSIDE AIR TEMP. & HUMIDITY														●	●							●	●	●																			
DISCHARGE AIR TEMP. CONTROL				●																																●		●					
DUCT STATIC PRESSURE																●						●	●	●																			
FILTER STATUS (PRE)																●						●	●	●																			●
FILTER STATUS (FINAL)																●						●	●	●																			●
FIRE ALARM																																												●
BUILDING DIFFERENTIAL PRESSURE SENSOR																●						●	●			●																	●
ECONOMIZER					●																		●	●																			
ECONOMIZER STATUS											●																																

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Phillip D. Barbe
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DATES OF ISSUANCE: 12/18/2025 △

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SHEET: M503

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CONDUIT & WIRING

SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN WALL OR CEILING
	CONDUIT CONCEALED IN FLOOR/UNDER SLAB/UNDER GROUND
	HOMERUN CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT
	LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT
	LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH
	LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT
	LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT
	LIGHT FIXTURE CONN. TO LIFE SAFETY BRANCH
	LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT
	LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT
	LIGHT FIXTURE ON CRITICAL BRANCH CIRCUIT
	LIGHT FIXTURE CONNECTED TO NORMAL BRANCH CIRCUIT
	LIGHT FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUIT
	LIGHT FIXTURE CONNECTED TO LIFE SAFETY BRANCH CIRCUIT
	EXIT LIGHT, CEILING MOUNTED
	EXIT LIGHT, WALL MOUNTED
	TWO HEAD BATTERY POWERED EMERGENCY EGRESS LIGHT
"S"	LIGHTING FIXTURE TYPE DESIGNATION-SEE LIGHTING FIXTURE SCHEDULE
	AREA OR STREET LIGHT FIXTURE
	BOLLARD

LIGHTING CONTROL LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE LIGHT SWITCH (NORMAL/IVORY)
S_3	THREE-WAY TOGGLE SWITCH (NORMAL/IVORY)
S_D	UNIVERSAL DIMMER (NORMAL/IVORY)
S_{3D}	THREE-WAY UNIVERSAL DIMMER (NORMAL/IVORY)
S_V	WALL SWITCH VACANCY SENSOR (NORMAL/IVORY)
S_{VD}	WALL SWITCH VACANCY SENSOR W/DIMMING (NORMAL/IVORY)
S_{LVD}	WALL MOUNT LOW-VOLTAGE DIMMER (NORMAL/IVORY)
S_{LV}	WALL MOUNT LOW-VOLTAGE SWITCH (NORMAL/IVORY)
$	SINGLE POLE TOGGLE SWITCH (EMERGENCY/RED)
$_3$	THREE-WAY TOGGLE SWITCH (EMERGENCY/RED)
$_D$	UNIVERSAL DIMMER (EMERGENCY/RED)
$_{3D}$	THREE-WAY UNIVERSAL DIMMER (EMERGENCY/RED)
$_V$	WALL SWITCH VACANCY SENSOR (EMERGENCY/RED)
$_{VD}$	WALL SWITCH VACANCY SENSOR W/DIMMING (EMERGENCY/RED)
$_{LVD}$	WALL MOUNT LOW-VOLTAGE DIMMER (EMERGENCY/RED)
$_{LV}$	WALL MOUNT LOW-VOLTAGE SWITCH (EMERGENCY/RED)
VC	CEILING MOUNTED VACANCY SENSOR
DL	CEILING MOUNTED DAY-LIGHT SENSOR
PE	PHOTOCELL
LC	LIGHTING CONTACTOR

MISCELLANEOUS

MGA	MEDICAL GAS ALARM
LPA	LINE PRESSURE ALARM
RGA	REMOTE GENERATOR ANNUNCIATOR
LCP	LOCAL CONTROL PANEL
DPA	DIFFERENTIAL PRESSURE ALARM
NCT	NURSE CALL TERMINAL
SV	SOLENOID VALVE
R	RELAY
J	JUNCTION BOX
LIM	REMOTE LINE ISOLATION MONITOR WITH MILLIMETER
R_{GJ}	REMOTE RECEPTACLE GROUND JACK MODULE (ROOM GROUND POINT) SEE DETAIL
R_{GJ}	REMOTE RECEPTACLE GROUND JACK MODULE (PATIENT GROUND POINT) SEE DETAIL
O.R. CLOCK	O.R. CLOCK/TIMER
	SHUNT TRIP EMERGENCY OFF BUTTON

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ABV	MOUNT ABOVE COUNTER
ABC	ABOVE CEILING
EDF	ELECTRIC DRINKING FOUNTAIN
EX	EXISTING TO REMAIN
FBE	FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR
FBO	FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR
TR	TAMPER RESISTANT
UON	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF, NEMA 3R

RECEPTACLE LEGEND

SYMBOL	DESCRIPTION	MOUNTING HT TO CENTERLINE UNO
	SIMPLEX RECEPTACLE, AMPERAGE, VOLTAGE, NEMA CONFIGURATION, AS NOTED	18"
	20A 120V. DUPLEX RECEPTACLE	18"
	20A 120V. DUPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
	20A 120V. QUADRAPLEX RECEPTACLE	18"
	20A 120V. QUADRAPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
	20A 120V. FLOOR BOX WITH (1) DUPLEX RECEPTACLE	
	20A 120V. FLOOR BOX WITH (2) DUPLEX RECEPTACLES	
	PLUGMOLD #3000 WITH HUBBELL 5352 DUPLEX 20A RECEPTACLES 24" ON CENTER	
E	EMERGENCY POWER	
GF	GROUND FAULT CIRCUIT INTERUPT	
TV	MOUNTED 6" TO CENTERLINE BELOW FINISHED CEILING	
WP	WEATHERPROOF WITH NEMA 3R ENCLOSURE	
IG	ISOLATED GROUND	
IM	RECEPTACLE FOR ICE MAKER	
REF	RECEPTACLE FOR REFRIGERATOR	
CM	RECEPTACLE FOR COFFEE MAKER	
MW	RECEPTACLE FOR MICROWAVE	
WC	RECEPTACLE FOR WARMING CABINET	
P	RECEPTACLE FOR PRINTER	
PM	RECEPTACLE FOR PATIENT MONITOR	
PT	RECEPTACLE FOR PATIENT TRACKER	
CC	RECEPTACLE FOR CRASH CART	
C	RECEPTACLE FOR COPIER	
TR	TAMPER RESISTANT RECEPTACLE	
SW	SWITCHED RECEPTACLE	
U	USB RECEPTACLE	

POWER EQUIPMENT

SYMBOL	DESCRIPTION
	FACTORY WIRED CONTROLLER OR DISCONNECT CONNECTION, FBO.
	COMBINATION MOTOR STARTER DISCONNECT
	ENCLOSED CIRCUIT BREAKER
	DISCONNECT SWITCH, NON-FUSIBLE
	DISCONNECT SWITCH, FUSIBLE
	MOTOR CONNECTION WITH APPROXIMATE HORSE-POWER SHOWN
PB	PULL BOX
S_T	THERMAL MOTOR SWITCH (NORMAL)
S_{TWP}	THERMAL MOTOR SWITCH, WEATHERPROOF (NORMAL)
S_T	THERMAL MOTOR SWITCH (EMERGENCY)
S_{TWP}	THERMAL MOTOR SWITCH, WEATHERPROOF (EMERGENCY)

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	MOUNTING HT TO CENTERLINE UNO
L	FLASHING LIGHT	80"
L	CHIME/FLASHING LIGHT COMBINATION	80"
L	FLASHING LIGHT/HORN SIGNAL STATION	80"
L	FLASHING LIGHT SPEAKER SIGNAL STATION	80"
F	MANUAL PULL STATION	46"
SD	SMOKE DETECTOR	CEILING
DSD	DUCT-SMOKE DETECTOR (DAMPER) OR (EXHAUST)	————
HD	AUTOMATIC HEAT DETECTOR (RATE OF RISE TYPE)	————
SDE	SYSTEM CONNECTED SMOKE DETECTOR FOR FIREMAN'S RECALL	CEILING
FSD	FIRE SMOKE DAMPER	18"
DH	SMOKE DOOR HOLDER	6'-0"
TS	TAMPER SWITCH	————
FL	FLOW SWITCH	CEILING
PS	PRESSURE SWITCH	CEILING
M	CARBON MONOXIDE DETECTOR	CEILING
PIV	POST INDICATOR VALVE	————
DDCV	DOUBLE DETECTOR CHECK VALVE	————
FACP	FIRE ALARM CONTROL PANEL	————
FAXP	FIRE ALARM EXPANDER	————
FAA	REMOTE ANNUNCIATOR	————
F	FIREFIGHTER'S PHONE JACK	46"

SYMBOLS GENERAL NOTES:

A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.

B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT 0F 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISH FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.

C. WHERE COVERPLATES CONFLICT WITH CASEWORK OR MILLWORK, SLIGHTLY ADJUST THE MOUNTING HEIGHTS OF THE WIRING DEVICES TO MAKE THE COVERPLATES CLEAR THE COUNTERTOP OR BACKSPLASH BY 1".

D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.

E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.

F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

GENERAL NOTES

A. NEUTRALS SHALL NOT BE SHARED IN MULTI-WIRE BRANCH CIRCUITS, INCLUDING PRE-FABRICATED HEADWALLS.

B. CONTRACTOR SHALL COMPLY WITH MAXIMUM VOLTAGE DROP REQUIREMENTS OF FBC 13-413.AB.1.

C. CONTRACTOR SHALL PROVIDE ALL TESTING AS REQUIRED PER SPECIFICATIONS AND NFPA 99, INCLUDING GROUNDING SYSTEM AND RECEPTACLE TESTING IN PATIENT CARE AREAS. TESTING MUST BE COMPLETED WITH AN AHCA APPROVED METER. METER SHALL BE CALIBRATED AS REQUIRED BY NFPA 99 AND THE FBC.

D. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL GENERATOR START-UP TESTING PER NFPA 110 AT FINAL AHCA SURVEY. INCLUDING GENERATOR ALARM AND SHUTDOWN FEATURES AT REMOTE ANNUNCIATOR AND 4-HOUR RESISTIVE LOAD BANK TEST.

E. ALL CONDUITS, RACEWAYS, CABLE TRAYS, ETC. SHALL BE INSTALLED PER FBC 449.3.4.8 TO ALLOW FOR INSPECTION OF FIRE AND SMOKE WALLS.

F. PVC CONDUIT SHALL NOT BE USED IN PATIENT CARE AREAS.

G. IN ACCORDANCE WITH FBC 449.3.15.6, ALL LOW VOLTAGE SYSTEM MAIN OR BRANCH CIRCUITS ENTERING OR EXITING THE STRUCTURE SHALL HAVE SURGE SUPPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTOR FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.

H. ELECTRICAL DEVICES, ETC. THAT ARE NOT DIRECTLY RELATED TO THE SUPPORT OF THE COMM ROOM CANNOT BE INSTALLED IN, PASS THROUGH, OR ENTER THE COMM ROOM.

I. PER FBC 449.3.11.12, BRANCH CIRCUIT OVER-CURRENT DEVICES SHALL BE READILY ACCESSIBLE TO NURSING STAFF AND OTHER AUTHORIZED PERSONNEL AS PER 2023 FBC 449.3.11.12. STAFF SHALL BE PROVIDED WITH KEYED ACCESS TO ELECTRICAL ROOMS

J. APPLICABLE CODES FOR AHCA REVIEW:
1. FLORIDA BUILDING CODE 2023 8TH EDITION
2. NFPA-70 - NATIONAL ELECTRICAL CODE 2020 EDITION
3. NFPA-70 - ARTICLE 517 2020 EDITION
4. NFPA-72 - NATIONAL FIRE ALARM CODE 2019 EDITION
5. NFPA-99 - HEALTH CARE FACILITIES 2021 EDITION
6. NFPA-101 - LIFE SAFETY CODE 2021 EDITION
7. NFPA-110 - POWER SYSTEMS, EMERGENCY AND STANDBY 2019 EDITION
8. NFPA-780 - LIGHTNING PROTECTION CODE 2020 EDITION
9. THE GUIDELINES FOR DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES 2022 EDITION.

BRANCH COLOR LEGEND

	NORMAL BRANCH
	ESSENTIAL BRANCH
	LIFE SAFETY BRANCH
	CRITICAL BRANCH
	EQUIPMENT BRANCH

FIXTURE SCHEDULE NOTES:

(A) PROVIDE 18' ROUND ALUMINIUM POLE. POLE SHALL BE SIZED TO MEET ALL WIND LOAD CAPACITIES AS REQUIRED BY FLORIDA BUILDING CODE. THE TOTAL EPA PER TYPE 'DSX1' FIXTURE IS 1.01 SQFT AND THE TOTAL WEIGHT PER TYPE 'DSX1' FIXTURE IS 27LBS.

Lighting Fixture Schedule

	TYPE	MANUFACTURER	CATALOG NUMBER	Wattage	MOUNT	REMARKS
	3	HEALTHCARE LIGHTING	HSTLED-F-MVOLT-LED50-1DIM-AM	154 W	RECESSED	2'x4' SURGICAL TROFFER
	4	HEALTHCARE LIGHTING	HSTLED-F-MVOLT-LED50-1DIM-EM1(120)-AM	96 W	RECESSED	2'x4' SURGICAL TROFFER WITH EMERGENCY BATTERY BACK-UP
	7	LITHONIA	2SRTL-G/F-L48-7000LM-IAW-AFL-MVOLT-EZ1-40K-80CRI-DWAM	149 W	RECESSED	2'x4' CLEAN ROOM
	10	LITHONIA	2GTL-2-40L-A12125-EZ1-LP840	38 W	RECESSED	2'x2' LENSED
	12	LITHONIA	CPANL-2x4-AL06-SWW7-M2	35 W	RECESSED	2'x4' FLAT PANEL
	13	LITHONIA	2GTL-4-60L-A12125-EZ1-LP840	43 W	RECESSED	2'x4' LENSED
	14	LITHONIA	2GTL-4-72L-A12125-EZ1-LP840	52 W	RECESSED	2'x4' LENSED
	22	LITHONIA	2VTL-4-40L-ADP-EZ1-LP840	96 W	RECESSED	2'x4' VOLUMETRIC
	23	LITHONIA	2VTL-4-60L-ADP-EZ1-LP840	50 W	RECESSED	2'x4' VOLUMETRIC
	30	LITHONIA	CLX-L48-5000LM-SEF-WDL-MVOLT-GZ10-40K-80CRI-WH-HC36	35 W	CHAIN	4' STRIP LIGHT
	30E	LITHONIA	CLX-L48-5000LM-SEF-WDL-MVOLT-GZ10-40K-80CRI-WH-HC36	35 W	CHAIN	4' STRIP LIGHT WITH BATTERY BACKUP
	33	LITHONIA	SRTL-G/F-L48-5000LM-OAW-AFL-MVOLT-EZ1-40K-80CRI-DWAM	149 W	RECESSED	1'x4' CLEAN ROOM LENSED - COORDINATE TRIM TYPE WITH CEILING TYPE
	35	HEALTHCARE LTG	HUC523-MVOLT-LED40-S1-AM	40 W	SURFACE	2' UNDERCABINET LIGHT WITH ROCKER SWITCH
	43	GOTHAM	EVO-40/25-6AR-MWD-LLS-MVOLT-EZ1	18 W	RECESSED	6" DIMMABLE DOWNLIGHT
	60	LITHONIA	2VRTL-G/F-L48-5000LM-ICW-AP12125FL-MVOLT-EZ1-40K-80CRI-WH	39 W	RECESSED	2'x4' - VANDAL RESISTANT (LEVELS 1-3)
	61	LITHONIA	2GTL-2-40L-A12125-EZ1-LP840	42 W	RECESSED	2'x2' LENSED
	71	LITHONIA	LESW1R-120/277	3 W	UNIVERSAL	SINGLE SIDED EXIT SIGN (WHITE - RED LETTERS)-CHEVRONS PER PLANS
	72	LITHONIA	LESW2R-120/277	3 W	UNIVERSAL	DOUBLE SIDED EXIT SIGN (WHITE - RED LETTERS)-CHEVRONS PER PLANS
	77	LITHONIA	LEPW1R-120/277-SW9	3 W	UNIVERSAL	WARNING LIGHT (SW9)= 'IN USE'
	81	LITHONIA	DSXW1-LED-20C-1000-40K-T3M-MVOLT-PE(VOLTAGE)-(FINISH)	74 W	WALL	WALL PACK
	81E	LITHONIA	DSXW1-LED-20C-1000-40K-T3M-MVOLT-PE(VOLTAGE)-(FINISH)-E20WC	74 W	WALL	WALL PACK WITH BATTERY PACK
	85	GOTHAM	LDN6-40/25-L06-AR-LSS-TRW-MVOLT-EZ1	18 W	RECESSED	CANOPY DOWNLIGHT
(A)	D2 (HS)	LITHONIA	DSX1-LED-P2-40K-T2M-MVOLT-(MOUNTING)-(FINISH)	70 W	18' POLE	PARKING/SITE LIGHTING TYPE 2 DISTRIBUTION W/ HOUSE SHEILD

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PROJECT # 225014.00

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

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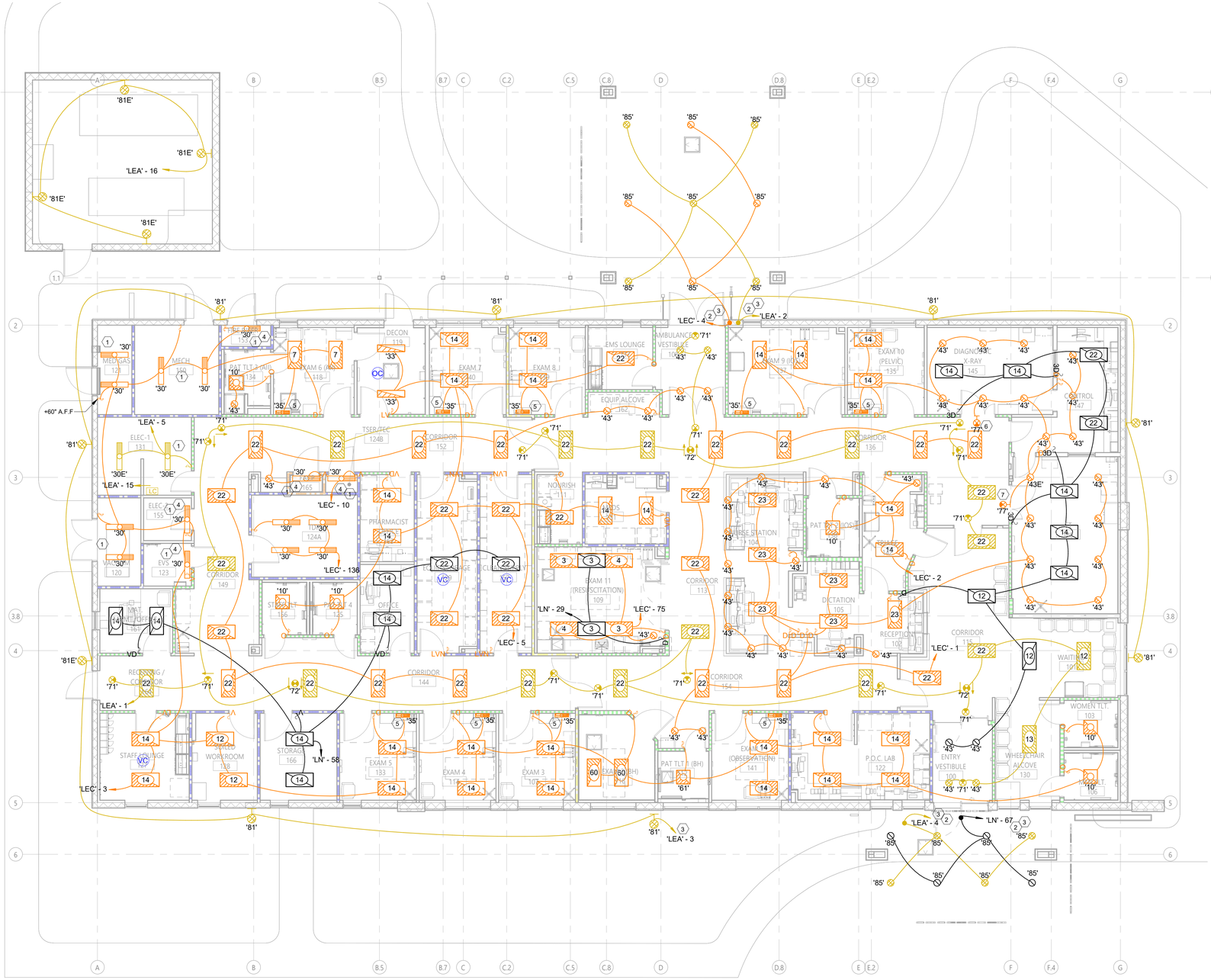
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DATES OF ISSUANCE: 12/18/2025 △

TITLE: LIGHTING - LEGENDS & SCHEDULES

SHEET: E000

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1 LIGHTING - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		SMOKE BARRIER (1-HR) (UL U465)
		2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. CONTRACTOR TO PROVIDE CONTINUOUS HOT TO BATTERY PACKS OF LIGHT FIXTURES.

KEY NOTES:

1. FINAL LOCATION OF LIGHT FIXTURES TO BE FIELD COORDINATED WITH DUCT, PIPING, ETC.
2. CIRCUIT SHALL PASS THROUGH LIGHTING CONTROL PANEL. REFER TO DETAIL 19 ON SHEET E704. CONTROLS OF LIGHTING SHALL BE OVERRIDDEN BRINGING LIGHTS TO 100% LUMINANCE UPON ACTIVATION OF GENERATOR.
3. IN ACCORDANCE WITH FBC 449.3.15.6, ALL LOW VOLTAGE SYSTEM MAIN OR BRANCH CIRCUITS ENTERING OR EXITING THE STRUCTURE SHALL HAVE SURGE SUPPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTOR FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.
4. WALL MOUNT FIXTURE ABOVE DOOR.
5. LIGHT SWITCH DIMMING FUNCTION TO DIM ALL LIGHT FIXTURES IN THE ROOM EXCEPT THE UNDERCABINET LIGHT FIXTURE.
6. LIGHTING FIXTURE TO BE CONTROLLED BY X-RAY EQUIPMENT
7. LIGHTING FIXTURE TO BE CONTROLLED BY CT EQUIPMENT

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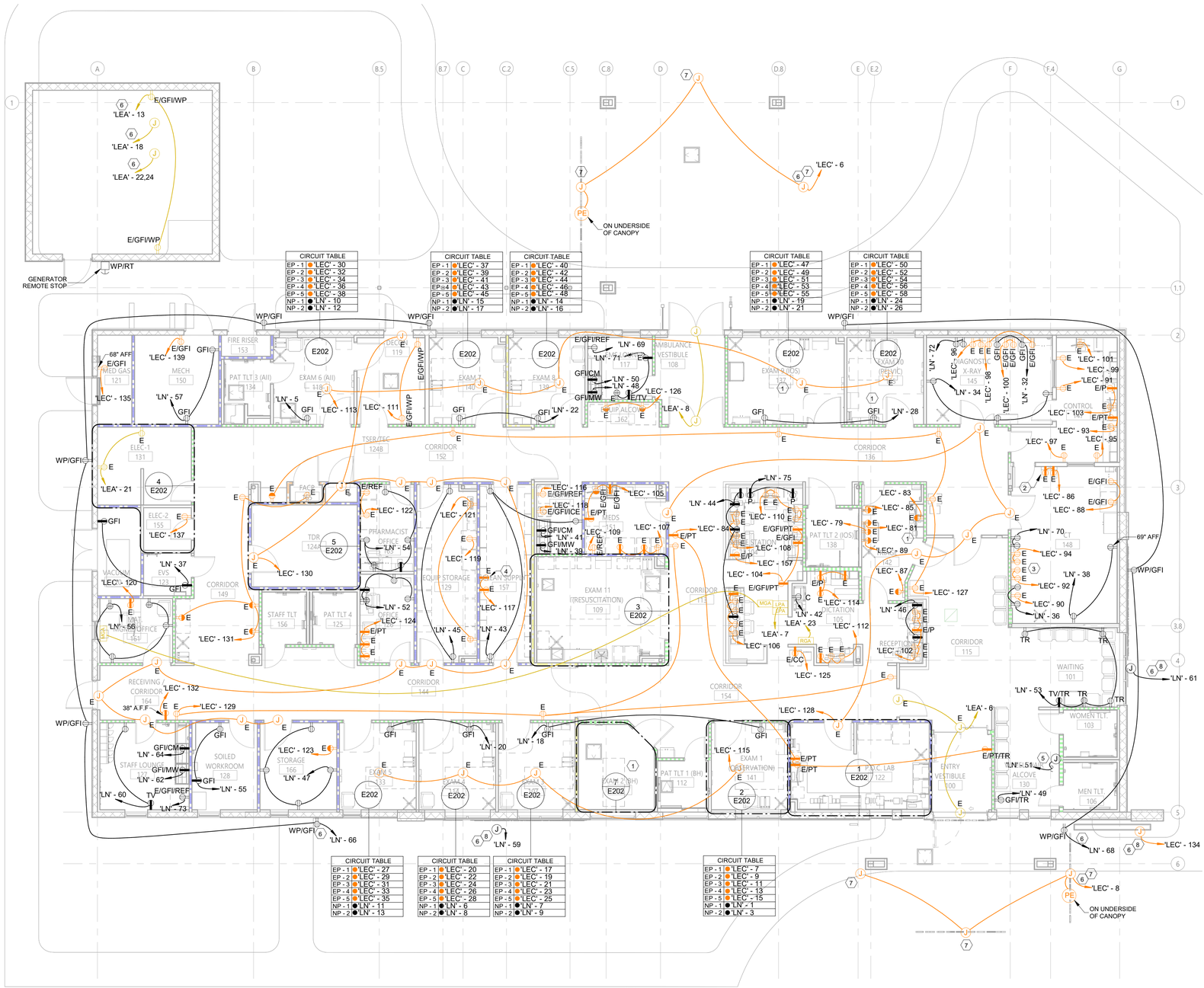
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TITLE: LIGHTING - FIRST FLOOR PLAN

SHEET E101

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1 POWER - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		SMOKE BARRIER (1-HR) (UL U465)
		2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF CARD READERS, PUSH PADS, ETC. PROVIDE ROUGH-IN AND WIRING AS REQUIRED.

B. COORDINATE LOCATIONS FOR RECEPTACLES AND CONNECTIONS FOR O.F.E. WITH ARCHITECTURAL ELEVATIONS AND OWNER PRIOR TO ROUGH-IN.

C. PROVIDE CONNECTION TO EXAM LIGHT AS REQUIRED. PROVIDE EQUIPMENT BONDING GROUND. PROVIDE DISCONNECTING MEANS AT EACH EXAM LIGHT FOR MAINTENANCE.

D. PROVIDE CONNECTION TO ELECTRIC DOOR LOCK AS REQUIRED. TYPICAL.

E. PROVIDE CONNECTION TO AUTOMATIC DOOR AS REQUIRED.

F. PROVIDE CONNECTION TO FILM ILLUMINATOR AS REQUIRED.

G. COORDINATE BEHAVIORAL HEALTH HEADWALL AND TV MOUNTING WITH ARCH. DETAIL.

KEY NOTES:

1. ALL RECEPTACLES LOCATED IN THIS ROOM SHALL BE TAMPER RESISTANT.
2. RECEPTACLE TO BE MOUNTED IN PROXIMITY CABINET. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL FLOOR PLAN AND VENDOR DRAWINGS.
3. COORDINATE HEADWALL RECEPTACLES WITH MED GAS OUTLETS ON THIS WALL.
4. RECEPTACLES FOR POU EQUIPMENT AT 58" AFF. COORDINATE WITH TELECOMM DATA OUTLET.
5. PROVIDE CONNECTION TO ABOVE CEILING REMOTE CHILLER. COORDINATE LOCATION OF CHILLER AND ASSOCIATED DISCONNECT WITH PLUMBING.
6. IN ACCORDANCE WITH FBC 449.3.15.6, ALL LOW VOLTAGE SYSTEM MAIN OR BRANCH CIRCUITS ENTERING OR EXITING THE STRUCTURE SHALL HAVE SURGE SUPPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTOR FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.
7. PROVIDE CONNECTION TO BUILDING CANOPY AS REQUIRED. SIGNAGE SHALL PASS THROUGH PHOTOELECTRIC SENSOR MOUNTED ON THE UNDERSIDE OF CANOPY. COORDINATE EXACT LOCATION WITH ARCHITECT. ELECTRICAL CONNECTION SHALL BE ROUTED THROUGH THE BACK SIDE OF THE CANOPY WHERE NEEDED.
8. PROVIDE CONNECTION TO BUILDING SIGNAGE AS REQUIRED. BUILDING SIGNAGE SHALL PASS THROUGH LIGHTING CONTROL PANEL WITH ASTRONOMICAL CLOCK. REFER TO DETAIL 19 ON SHEET E704. COORDINATE EXACT LOCATION WITH ARCHITECT.

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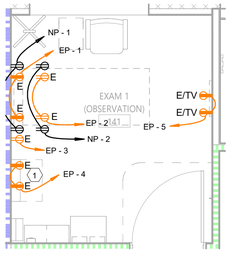
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TITLE: POWER - FIRST FLOOR PLAN

SHEET: E201

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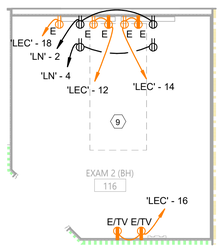
TYPICAL EXAM ROOM



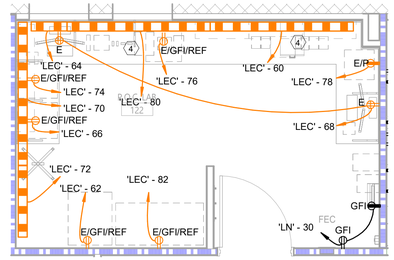
CIRCUIT DESIGNATION	
EP-1	CRITICAL BRANCH HEADWALL RECEPTACLES
EP-2	CRITICAL BRANCH HEADWALL RECEPTACLES
EP-3	CRITICAL BRANCH HEADWALL RECEPTACLES
EP-4	CRITICAL BRANCH PROXIMITY CABINET RECEPTACLE
EP-5	CRITICAL BRANCH TV RECEPTACLE
NP-1	NORMAL BRANCH HEADWALL RECEPTACLES
NP-2	NORMAL BRANCH HEADWALL RECEPTACLES

EXAM ROOM ELECTRICAL NOTES:

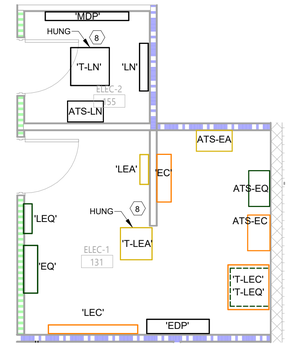
1. RECEPTACLE TO BE MOUNTED IN PROXIMITY CABINET. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL FLOOR PLAN AND VENDOR DRAWINGS.



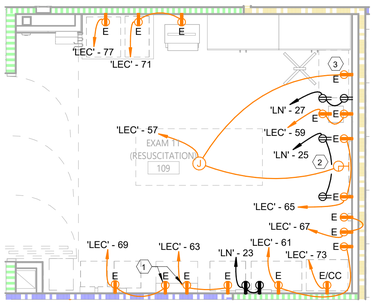
7 POWER - ENLARGED BEHAVIOR
SCALE: 1/4" = 1'-0"



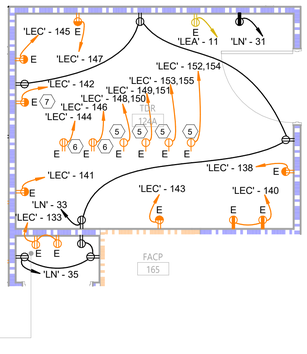
1 POWER - ENLARGED POC LAB
SCALE: 1/4" = 1'-0"



4 POWER - ENLARGED ELECTRICAL ROOMS
SCALE: 1/4" = 1'-0"



3 POWER - ENLARGED RESUSCITATION
SCALE: 1/4" = 1'-0"



5 POWER - ENLARGED TDR
SCALE: 1/4" = 1'-0"

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		SMOKE BARRIER (1-HR) (UL U465)
		2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. PROVIDE CONNECTION TO EXAM LIGHT AS REQUIRED. PROVIDE EQUIPMENT BONDING GROUND.

B. PROVIDE CONNECTION TO FILM ILLUMINATOR AS REQUIRED.

KEY NOTES:

1. RECEPTACLE TO BE MOUNTED IN PROXIMITY CABINET. COORDINATE MOUNTING HEIGHT WITH VENDOR DRAWINGS. TYPICAL.
2. PROVIDE CONNECTION TO CODE BLUE TIMER PROVIDED BY OTHERS AS REQUIRED.
3. PROVIDE CONNECTION TO FILM ILLUMINATOR AS REQUIRED.
4. PROVIDE GFI TYPE RECEPTACLES FOR THIS PLUGMOLD.
5. POWER ABOVE RACKS. FOR SIMPLEX RECEPTACLE, PROVIDE NEMA L6-30R RECEPTACLE FOR CONNECTION TO UPS. USE 2#10,1#10G,3/4"C. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
6. POWER ABOVE RACKS. FOR DUPLEX RECEPTACLE, PROVIDE NEMA 5-20R RECEPTACLE. USE 2#12, 1#12G, 3/4"C. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
7. RECEPTACLES FOR EMS RADIO. COORDINATE EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.
8. PROVIDE DIMENSIONAL LAYOUT OF ELECTRICAL ROOMS PER SPECIFICATION 260500 1.06(H)(5). CONDUCTOR LENGTHS ON TRANSFORMER SECONDARY BRANCH CIRCUITS SHALL BE < 25FT PER NFPA 70 240.21.
9. ALL RECEPTACLES LOCATED IN THIS ROOM SHALL BE TAMPER RESISTANT.

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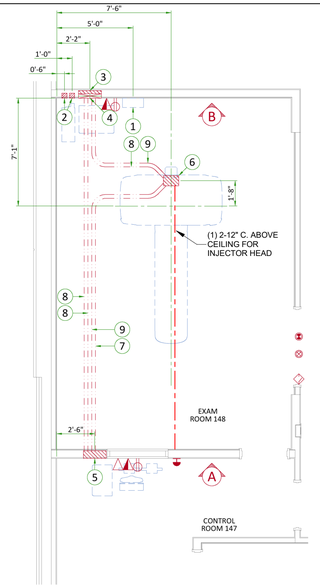
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TITLE: POWER - ENLARGED FLOOR PLANS

SHEET: E202



Item	Electrical Layout Item List
1	Main Disconnect Panel (MDP)
2	4" x 4" x 4" [100 x 100 x 100] flush box (Partial UPS)
3	18" x 12" x 6" [450 x 300 x 150] flush box (Power Distribution Unit)
4	18" x 3 1/2" [450 x 100] flush wall duct with minimum 3 dividers
5	18" x 18" x 6" [450 x 450 x 150] flush box (Open Console)
6	12"x8"x6" [300x200x150] flush floor box, refer to Anchoring/Loading detail on sheet S3 (Gantry)
7	1" [25] conduit below floor
8	2 1/2" [64] conduit below floor
9	3 1/2" [89] conduit below floor

ITEM	QTY	Electrical Outlet Legend Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.
		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
		Dedicated telephone line(s)
		Network outlet
		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
		X-Ray room warning light control panel
		X-Ray ON warning light
		Door interlock switch (needed only if required by state/local codes)

Additional Conduit Runs (Contractor Supplied and Installed)

From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size In.	Size mm
3 Phase Power	1 Main Disconnect Panel	1	As req'd	As req'd
1 Main Disconnect Panel	Emergency Off	1	1/2	13
	4 Power Distribution Unit	1	As req'd	As req'd
4 Power Distribution Unit	Door Switch	1	1/2	13
	Warning Light Control	1	1/2	13
Warning Light		1	1/2	13
1 Phase Power		1	1/2	13
1 Main Disconnect Panel	2 Partial UPS	1	1 1/4	30
3 Power Distribution Unit		1	2	50

POWER REQUIREMENTS

POWER SUPPLY	3 PHASES+G 200/220/240/380/400/420/440/460/480 V ± 10%
FREQUENCIES	50/60 Hz ± 3 Hz
MAXIMUM POWER DEMAND	100 kVA
AVERAGE (CONTINUOUS) POWER DEMAND	20 kVA
POWER FACTOR	0.85

- Power supply should come into a main disconnect panel (MDP) containing the protective units and controls.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.

SUPPLY CHARACTERISTICS

- Power input must be separate from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...).
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.
- The minimum recommended transformer size for a dedicated distribution transformer provided for the system is as follows, rated 2.4% regulation at unity power factor:
  - •• 100 kVA option - 125kVA
  - •• 75 kVA option - 93.75 kVA
  - •• 50 kVA option - 62.5 kVA
- Phase imbalance 2% maximum.
- Transients must be less than 1500V peak. (on a 400V line)

GROUND SYSTEM

- System of equipotential grounding.
- Equipotential: The equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE system units are located.

CABLES

- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling and remote control (Y, SEO, L...) will go to MDP with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw connector).

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

- Protecting cables against water (cableways should be waterproof).
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts).
- Protecting cables against temperature shocks.
- Replacing cables (cableways should be large enough for cables to be replaced).
- Metal cableways should be grounded.

POWER DISTRIBUTION

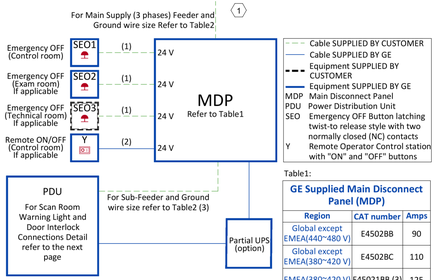


Table1:

GE Supplied Main Disconnect Panel (MDP)

Region	CAT number	Amps
Global except EMEA(440~480 V)	E4502BB	90
Global except EMEA(380~420 V)	E4502BC	110
EMEA(380~420 V)	E45021BB (3)	125

Table2:

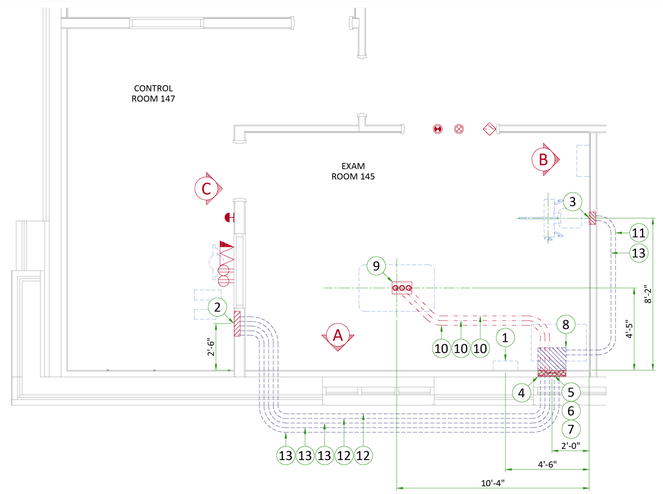
Feeder Table

The information below assumes the use of copper wire, rated 75 C and run in steel conduit. All ampacity is determined in accordance with the National Electrical Code (NFPA 70), Table 310-16 (2002). The ampacity of the circuit protection device listed above determines the minimum feeder size, except where total source regulation limits require a larger size. If the wire size does not match the above lists, please select the nearest wire size as per to local standards

Feeder length from Power Substation to MDP - ft (m)	Minimum Wire Size, AWG or MCM (mm²)/VAC								
	200 VAC	220 VAC	240 VAC	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
100 (30)	2/0 (70)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
150 (46)	4/0 (120)	3/0 (95)	3/0 (95)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
200 (61)	250 (120)	4/0 (120)	4/0 (120)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
250 (76)	300 (150)	250 (120)	250 (120)	1 (35)	1 (35)	2 (35)	2 (35)	2 (35)	4 (25)
300 (91)	350 (185)	300 (150)	250 (120)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	2 (35)	2 (35)
350 (107)	400 (185)	350 (185)	300 (150)	2/0 (70)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	1 (35)
400 (122)	400 (185)	350 (185)	350 (185)	2/0 (70)	2/0 (70)	1/0 (50)	1/0 (50)	1/0 (50)	1 (35)
Sub-Feeder length from MDP to PDU - ft (m)									
32 (9.7536)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
Grounding									
Run a dedicated 1/0 [50 mm²] or larger insulated copper ground wire from the power source to the MDP and from MDP to the PDU. Run the ground wire in the same raceway with the three-phase wires.									

Notes :

(1) Wire size: 4x2.5mm² [14AWG] and 1x2.5mm² [14AWG] GND
(2) Power control cable: 3 m [10 ft] multi-conductor, 24V DC
(3) GE supplied MDP option E45021BB includes a 10 meter long power cable (H07RN-F) with wire size 4x50mm² and a 50 meter long control cable with wire size 2x1.5mm²



POWER REQUIREMENTS

POWER SUPPLY	380/400/415/440/460/480VAC Wye THREE-PHASE + G ±10%
FREQUENCIES	50/60Hz ± 3Hz
POWER DEMAND	97kVA
MAXIMUM LINE RESISTANCE PER 2 PHASES (Ohm)	380V : 0.118 / 400V : 0.131 / 415V : 0.138 440V : 0.154 / 480V : 0.185

Item	Electrical Layout Item List
1	Main Disconnect Panel (MDP)
2	Flush box - size per local code (Operator Console)
3	8" x 8" x 4" [200x200x100] flush box (Wall Stand)
4	18" x 18" x 4" [450x450x100] flush box (System Cabinet)
5	18" x 3 1/2" [450x100] flush wall duct with minimum 3 dividers
6	Grommeted opening (Access Point)
7	Grommeted opening (OTS)
8	Box above ceiling - size per local code
9	Suitable bushings & locknuts, refer to Table Anchoring detail on sheet S3 (Table)
10	2 1/2" [64] conduit below floor
11	1 1/2" [38] conduit above ceiling
12	2" [50] conduit above ceiling
13	2 1/2" [64] conduit above ceiling

ITEM	Electrical Outlet Legend Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.
	System emergency off (SEO), (recommended height 1.2m [48"] above floor)
	X-Ray room warning light control panel
	X-Ray ON warning light
	Door interlock switch (needed only if required by state/local codes)
	Duplex hospital grade, dedicated wall outlet 120-v, single phase power
	Dedicated telephone line(s)
	Network outlet

GE DEFINUM TEMP/TEMO PRO (RAD)

POWER DISTRIBUTION

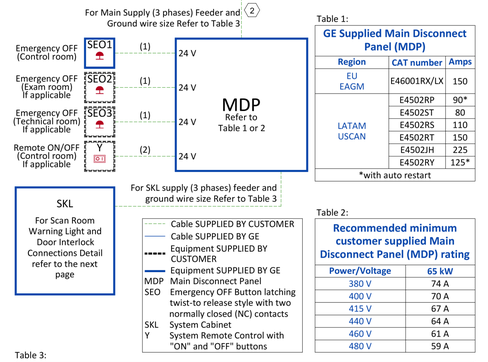


Table 1:

GE Supplied Main Disconnect Panel (MDP)

Region	CAT number	Amps
EU EAGM	E46001RX/LX	150
LATAM USCAN	E4502RP	90*
	E4502ST	80
	E4502RS	110
	E4502RT	150
	E4502JH	225
	E4502RY	125*
*with auto restart		

Table 2:

Recommended minimum customer supplied Main Disconnect Panel (MDP) rating

Power/Voltage	65 kW
380 V	74 A
400 V	70 A
415 V	67 A
440 V	64 A
460 V	61 A
480 V	59 A

Table 3:

Feeder Table - JEDI 65kW Systems Cabinet

- Calculations based on nominal voltage.
- Recommended feeder sizes from distribution transformer to the power cabinet.
- Neutral must be terminated inside the Main Disconnect Panel (MDP) and not at any GE cabinet
- If the wire size does not match the table below, please select the nearest wire size as per to local standards.

Wire run length ft (m)	Minimum Wire Size, AWG or MCM (mm²)/VAC					
	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*
100 (30)	3 (30)	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*
150 (46)	2 (35)	2 (35)	2 (35)	3 (30)	3 (30)	4 (22)*
200 (61)	1/0 (55)	1 (45)	1 (45)	2 (35)	2 (35)	2 (35)
250 (76)	2/0 (70)	2/0 (70)	1/0 (55)	1 (45)	1 (45)	1 (45)
300 (91)	3/0 (85)	2/0 (70)	2/0 (70)	1/0 (55)	1/0 (55)	1/0 (55)
350 (107)	4/0 (100)	3/0 (85)	3/0 (85)	2/0 (70)	2/0 (70)	1/0 (55)
400 (122)	250M (125)	4/0 (100)	4/0 (100)	3/0 (85)	3/0 (85)	2/0 (70)
450 (138)	300M (150)	250M (125)	4/0 (100)	4/0 (100)	3/0 (85)	3/0 (85)
*minimum wire size for circuit breaker, based on recommended overcurrent protection						
Grounding						
The grounding conductor will be of same size as the feeder. This ground will run from the equipment back to the facility power source/main grounding point and always travel in the same conduit with the feeders and neutral.						

Notes :

(1) Wire size: 2x1.5mm² [16AWG]
(2) Wire size: 6x2mm² [14AWG] and 1x2mm² [14AWG] GND

GENERAL NOTES:

A. MEDICAL IMAGING EQUIPMENT MUST HAVE A CONTINUOUS BARRIER SYSTEM IN THE RACEWAY OR SEPARATE CONDUITS FOR SEPARATION OF INTER-CONNECTING CABLES PER VOLTAGE RATING AND CLASS. REDUNDANT GROUNDING FOR THE PATIENT CARE AREA BY WAY OF THE METALLIC RACEWAY SYSTEM. THE EQUIPMENT MUST BE FASTENED TO THE RACEWAY SYSTEM BY THE FLEXIBLE METAL CONDUIT OR BONDING STRAPS.

B. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS ASSOCIATED WITH INSTALLATION OF THE CT AND RAD EQUIPMENT WITH FINAL SITE SPECIFIC VENDOR DRAWINGS. CONTRACTOR SHALL PROVIDE ALL RACEWAY, CONDUIT, DISCONNECTS, CONDUCTORS, CABLING, BACKBOXES, ETC. AS REQUIRED BY THOSE VENDOR DRAWINGS. VERIFY EXACT LOCATIONS OF EQUIPMENT WITH VENDOR DRAWINGS PRIOR TO ROUGH-IN.

KEY NOTES: ⬡

1. PROVIDE CONNECTION TO MAIN DISCONNECT PANEL PROVIDED BY VENDOR FOR CONNECTION OF CT SCAN. FEED FROM CIRCUIT 'EC-7,9,11' USING 4#3, 1#1/0G, 1-1/4"C (SEE MANUFACTURER'S FEEDER TABLE).
2. PROVIDE CONNECTION TO 80A/3P PANEL MAIN DISCONNECT PROVIDED BY VENDOR FOR CONNECTION OF RADIOLOGY EQUIPMENT. FEED FROM CIRCUIT 'EC-2,4,6' USING 4#1, 1#1G, 2"C.

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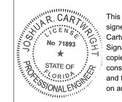
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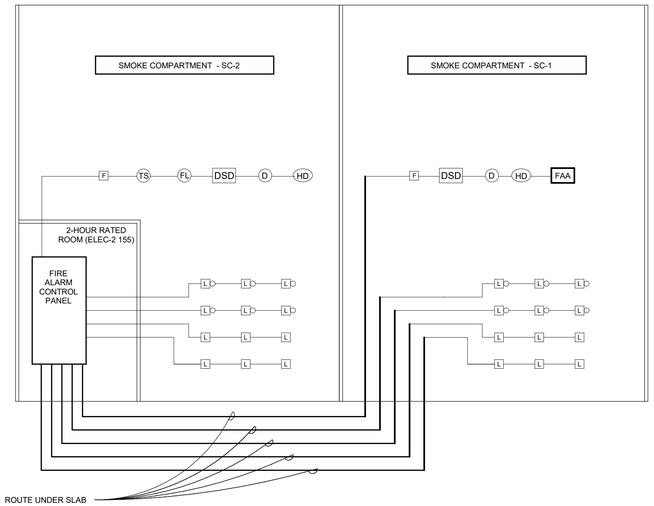
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DATES OF ISSUANCE
12/18/2025

TITLE POWER - CT- RAD

SHEET E203



GENERAL NOTES:

A. REFER TO ELEC/HVAC SHEETS FOR LOCATIONS OF DSD'S.

B. ALL NOTIFICATION DEVICES TO BE 75cd AND 87 dbA UNLESS OTHERWISE NOTED.

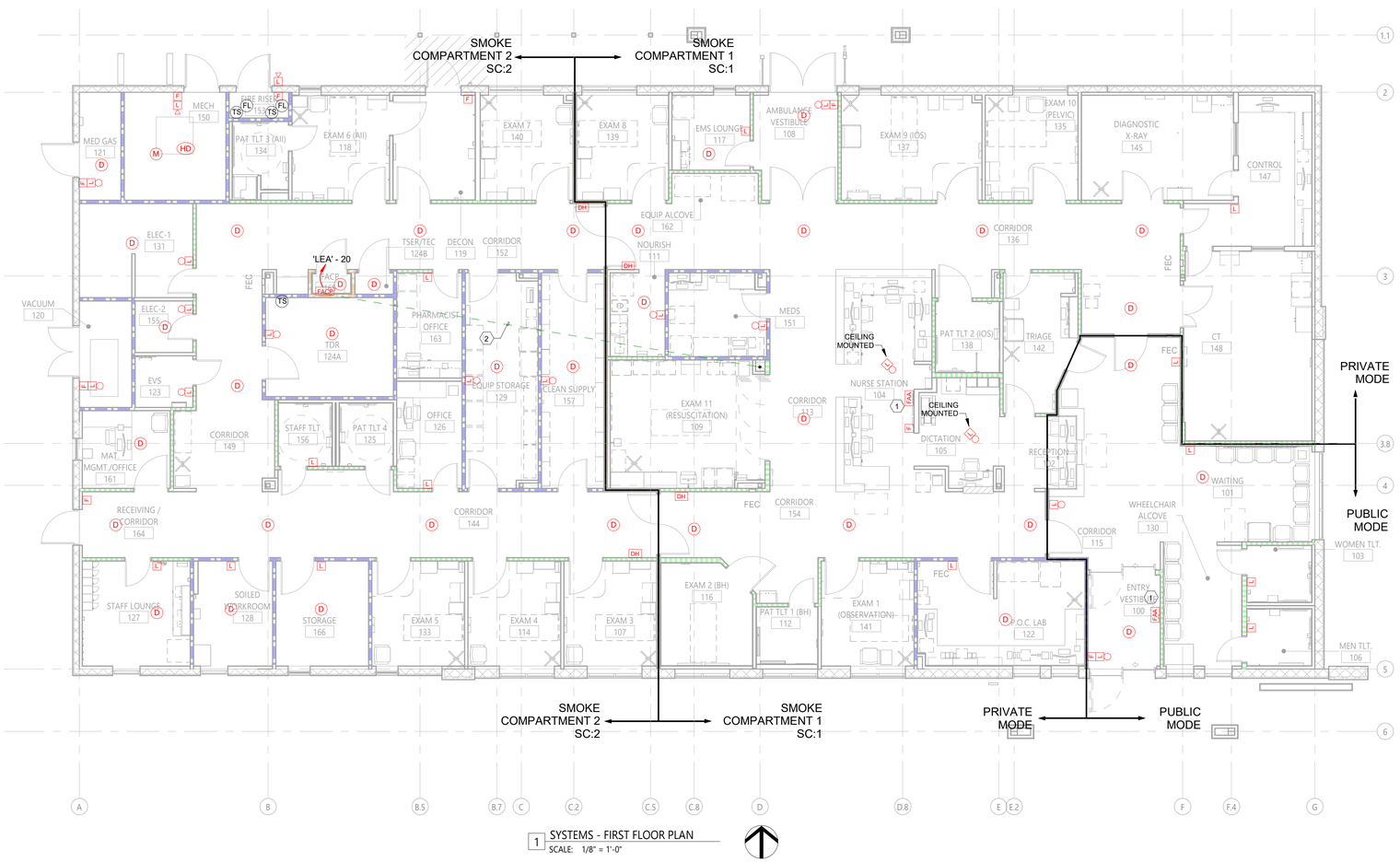
C. REFER TO SHEET ES01 FOR LOCATION OF 'DDCV' AND 'PIV'.

D. VERIFY EXIT/RELOCATION PROTOCOL WITH OWNERS HAZARD PLAN. IF PLAN DETAILS FULL EVACUATION, FA'S PATHWAY SURVIVABILITY SHALL BE LEVEL 1 PER NFPA 72.

KEY NOTES:

1. EXACT LOCATION OF FIRE ALARM ANNUNCIATOR TO BE COORDINATED WITH LOCAL AUTHORITY HAVING JURISDICTION.

2. PROVIDE (2) 1"C (UNDERGROUND) FOR USE IN MEETING SURVIVABILITY REQUIREMENTS OF THE FIRE ALARM SYSTEM. REFER TO FIRE ALARM SYSTEM DETAILS ON SHEET E703.



1 SYSTEMS - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S	SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
	S	SMOKE BARRIER (1-HR) (UL U465)
		2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

PRIVATE MODE OPERATION GENERAL NOTES:

FOR THE PATIENT CARE AREAS, THE PRIVATE MODE TO NOTIFY STAFF ONLY SHALL BE PROVIDED IN ACCORDANCE WITH 449.3.12.2 OF THE F.B.C.

IN ALL INPATIENT CARE ROOMS, SPACES AND AREAS, INCLUDING SLEEPING, TREATMENT, DIAGNOSTIC, AND THERAPEUTIC, THE PRIVATE OPERATING MODE AS PERMITTED AND DESCRIBED IN NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE. SHALL BE REQUIRED ONLY THE ATTENDANTS AND OTHER PERSONNEL REQUIRED TO EVACUATE OCCUPANTS FROM A ZONE, AREA, ROOM, FLOOR, OR BUILDING SHALL BE REQUIRED TO BE NOTIFIED.

AUDIBLE AND VISUAL NOTIFICATION DEVICES SHALL ONLY BE PERMITTED TO BE LOCATED AT THE CARE PROVIDERS' STATIONS, THE SOILED WORKROOM, SOILED HOLDING ROOM, CLEAN WORKROOM, STAFF LOUNGE, MEDICATION PREPARATION ROOM, AND NURSE OR SUPERVISOR'S OFFICE, AND OTHER STAFF ROOMS OR AREAS AS DETERMINED BY THE GOVERNING BODY OF THE FACILITY.

FIRE ALARM NOTIFICATION DEVICE

ROOM NAME	ROOM NUMBER	PRIVATE/ PUBLIC	SMOKE COMPARTMENT	DEVICES IN THIS SPACE
ENTRY VESTIBULE	100	PUBLIC	SMOKE COMPARTMENT 1	YES
WAITING	101	PUBLIC	SMOKE COMPARTMENT 1	YES
RECEPTION	102	PRIVATE	SMOKE COMPARTMENT 1	NO
WOMEN TLT.	103	PUBLIC	SMOKE COMPARTMENT 1	YES
NURSE STATION	104	PRIVATE	SMOKE COMPARTMENT 1	YES
DICTATION	105	PRIVATE	SMOKE COMPARTMENT 1	YES
MEN TLT.	106	PUBLIC	SMOKE COMPARTMENT 1	YES
EXAM 3	107	PRIVATE	SMOKE COMPARTMENT 2	NO
AMBULANCE VESTIBULE	108	PRIVATE	SMOKE COMPARTMENT 1	YES
EXAM 11 (RESUSCITATION)	109	PRIVATE	SMOKE COMPARTMENT 1	NO
NOURISH	111	PRIVATE	SMOKE COMPARTMENT 1	YES
PAT TLT 1 (BH)	112	PRIVATE	SMOKE COMPARTMENT 1	NO
CORRIDOR	113	PRIVATE	SMOKE COMPARTMENT 1	YES
EXAM 4	114	PRIVATE	SMOKE COMPARTMENT 2	NO
CORRIDOR	115	PUBLIC	SMOKE COMPARTMENT 1	YES
EXAM 2 (BH)	116	PRIVATE	SMOKE COMPARTMENT 1	NO
EMS LOUNGE	117	PRIVATE	SMOKE COMPARTMENT 1	YES
EXAM 6 (AII)	118	PRIVATE	SMOKE COMPARTMENT 2	NO
DECON	119	PRIVATE	SMOKE COMPARTMENT 2	YES
VACUUM	120	PRIVATE	SMOKE COMPARTMENT 2	YES
MED GAS	121	PRIVATE	SMOKE COMPARTMENT 2	YES
P.O.C. LAB	122	PRIVATE	SMOKE COMPARTMENT 1	YES
EVS	123	PRIVATE	SMOKE COMPARTMENT 2	YES
TDR	124A	PRIVATE	SMOKE COMPARTMENT 2	YES
TSER/TEC	124B	PRIVATE	SMOKE COMPARTMENT 2	YES
PAT TLT 4	125	PRIVATE	SMOKE COMPARTMENT 2	NO
OFFICE	126	PRIVATE	SMOKE COMPARTMENT 2	YES
STAFF LOUNGE	127	PRIVATE	SMOKE COMPARTMENT 2	YES
SOILED WORKROOM	128	PRIVATE	SMOKE COMPARTMENT 2	YES
EQUIP STORAGE	129	PRIVATE	SMOKE COMPARTMENT 2	YES
WHEELCHAIR ALCOVE	130	PUBLIC	SMOKE COMPARTMENT 1	NO
ELEC-1	131	PRIVATE	SMOKE COMPARTMENT 2	YES
EXAM 5	133	PRIVATE	SMOKE COMPARTMENT 2	NO
PAT TLT 3 (AII)	134	PRIVATE	SMOKE COMPARTMENT 2	NO
EXAM 10 (PELVIC)	135	PRIVATE	SMOKE COMPARTMENT 1	NO
CORRIDOR	136	PRIVATE	SMOKE COMPARTMENT 1	YES
EXAM 9 (IOS)	137	PRIVATE	SMOKE COMPARTMENT 1	NO
PAT TLT 2 (IOS)	138	PRIVATE	SMOKE COMPARTMENT 1	NO
EXAM 8	139	PRIVATE	SMOKE COMPARTMENT 1	NO
EXAM 7	140	PRIVATE	SMOKE COMPARTMENT 2	NO
EXAM 1 (OBSERVATION)	141	PRIVATE	SMOKE COMPARTMENT 1	NO
TRIAGE	142	PRIVATE	SMOKE COMPARTMENT 1	NO
CORRIDOR	144	PRIVATE	SMOKE COMPARTMENT 2	YES
DIAGNOSTIC X-RAY	145	PRIVATE	SMOKE COMPARTMENT 1	NO
CONTROL	147	PRIVATE	SMOKE COMPARTMENT 1	YES
CT	148	PRIVATE	SMOKE COMPARTMENT 1	NO
CORRIDOR	149	PRIVATE	SMOKE COMPARTMENT 2	YES
MECH	150	PRIVATE	SMOKE COMPARTMENT 2	YES
MEDS	151	PRIVATE	SMOKE COMPARTMENT 1	YES
CORRIDOR	152	PRIVATE	SMOKE COMPARTMENT 2	YES
FIRE RISER	153	PRIVATE	SMOKE COMPARTMENT 2	YES
CORRIDOR	154	PRIVATE	SMOKE COMPARTMENT 1	YES
ELEC-2	155	PRIVATE	SMOKE COMPARTMENT 2	YES
STAFF TLT	156	PRIVATE	SMOKE COMPARTMENT 2	YES
CLEAN SUPPLY	157	PRIVATE	SMOKE COMPARTMENT 2	YES
MAT. MGMT./OFFICE	161	PRIVATE	SMOKE COMPARTMENT 2	YES
EQUIP ALCOVE	162	PRIVATE	SMOKE COMPARTMENT 1	NO
PHARMACIST OFFICE	163	PRIVATE	SMOKE COMPARTMENT 2	YES
RECEIVING / CORRIDOR	164	PRIVATE	SMOKE COMPARTMENT 2	YES
FACP	165	PRIVATE	SMOKE COMPARTMENT 2	YES
STORAGE	166	PRIVATE	SMOKE COMPARTMENT 2	YES

*THE CONTRACTOR SHALL POST THIS TABLE AND PRIVATE MODE OPERATION GENERAL NOTES ON THE WALL IN PLAN VIEW THROUGHOUT THE CONSTRUCTION AND INSPECTION PROCESS.

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STATUS
CONSTRUCTION DOCUMENT

JOSHUA R. CARTWRIGHT LICENSED No. 71893 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DATES OF ISSUANCE
12/18/2025 △

TITLE
SYSTEMS - FIRST FLOOR PLAN

SHEET
E301

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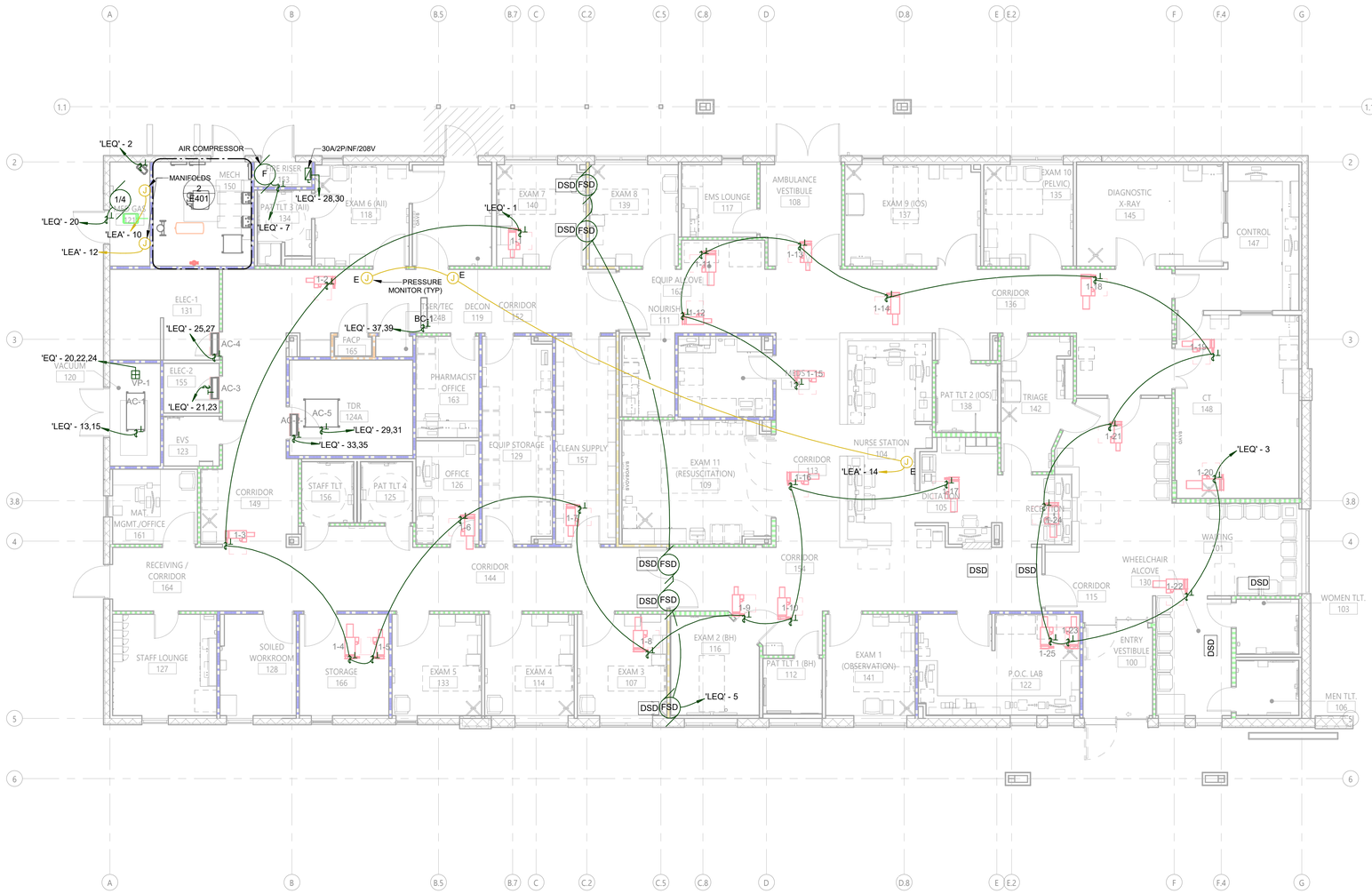
STARTER SCHEDULE

(FURNISHED BY ELECTRICAL CONTRACTOR)

ITEM SERVED	H.P.	MFG.	CLASS	SIZE	VOLT PHASE	CONTROL ITEM ON STARTER	FEEDER			REMARKS
							WIRE	GND.	COND.	
HWP-1, 2	3	SQ. D	8538	0	480/3	SEE MECH. DWGS.	3#12	#12	3/4"	FUSE @ 8A

HVAC Circuits - Floor

Equipment	Load Name	Circuit	Voltage	Load	Breaker
FIRE SMOKE DAMPERS	FSD'S	'LEQ' - 5	120 V/1P	250 VA	20 A
MOTOR CONTROLER	B-1	'LEQ' - 9	120 V/1P	600 VA	15 A
MOTOR CONTROLER	VP-1	'EQ' - 20,22,24	480 V/3P	2708 VA	20 A
MOTOR STARTER	HWP-1	'EQ' - 7,9,11	480 V/3P	2758 VA	15 A
MOTOR STARTER	HWP-2	'EQ' - 13,15,17	480 V/3P	2758 VA	15 A
NON-FUESD DISCONNECT	AC-1 (SPD)	'LEQ' - 13,15	208 V/2P	708 VA	20 A
NON-FUESD DISCONNECT	BC-1	'LEQ' - 37,39	208 V/2P	108 VA	15 A
NON-FUESD DISCONNECT	CP-1	'LEQ' - 8	120 V/1P	50 VA	20 A
NON-FUESD DISCONNECT	EUH-1	'LEQ' - 28,30	208 V/2P	3000 VA	30 A
THERMAL SWITCH	AC-2 (SPD)	'LEQ' - 17,19	208 V/2P	355 VA	20 A
THERMAL SWITCH	AC-2-1 (SPD)	'LEQ' - 33,35	208 V/2P	208 VA	15 A
THERMAL SWITCH	AC-3 (SPD)	'LEQ' - 21,23	208 V/2P	208 VA	20 A
THERMAL SWITCH	AC-4 (SPD)	'LEQ' - 25,27	208 V/2P	884 VA	20 A
THERMAL SWITCH	AC-5 (SPD)	'LEQ' - 29,31	208 V/2P	884 VA	20 A
THERMAL SWITCH	DRY PIPE AIR COMP	'LEQ' - 7	120 V/1P	50 VA	20 A
THERMAL SWITCH	EF-MG(SPD)	'LEQ' - 20	120 V/1P	696 VA	15 A
THERMAL SWITCH	UH-1	'LEQ' - 2	120 V/1P	279 VA	15 A
THERMAL SWITCH	VAV'S (1-10)	'LEQ' - 1	120 V/1P	600 VA	20 A
THERMAL SWITCH	VAV'S (11-24)	'LEQ' - 3	120 V/1P	650 VA	20 A
THERMAL SWITCH	WH-1	'LEQ' - 4	120 V/1P	392 VA	20 A
THERMAL SWITCH	WH-2	'LEQ' - 6	120 V/1P	392 VA	20 A


AIR COMPRESSOR
MANIFOLDS
30A/2P/NF/208V
'LEQ' - 2
'LEQ' - 20
'LEA' - 10
'LEA' - 12
'LEQ' - 28,30
'LEQ' - 7
'LEQ' - 1
'LEQ' - 25,27
'EQ' - 20,22,24
'LEQ' - 21,23
'LEQ' - 13,15
'LEQ' - 37,39
'LEQ' - 29,31
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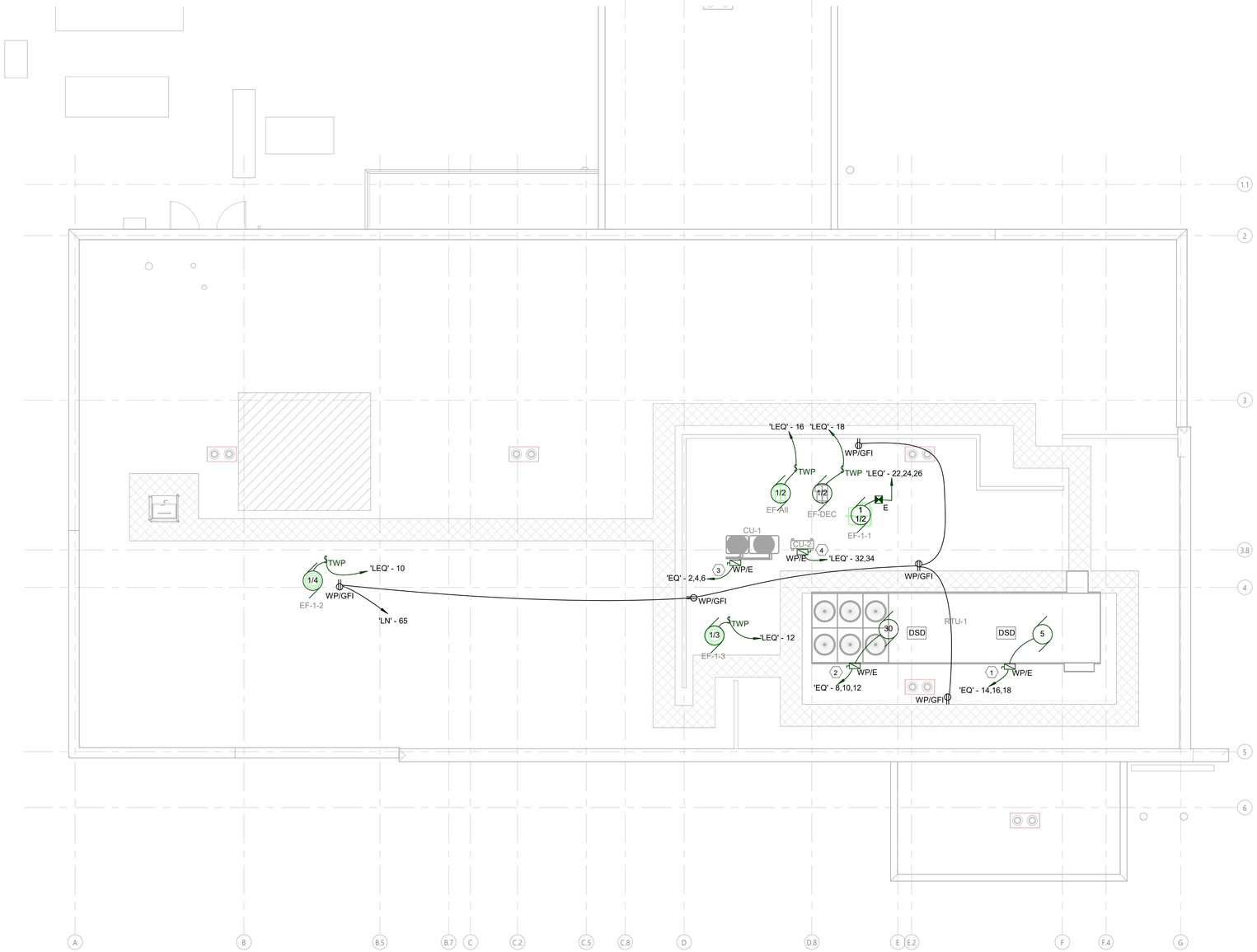
STARTER SCHEDULE

(FURNISHED BY ELECTRICAL CONTRACTOR)

ITEM SERVED	H.P.	MFG.	CLASS	SIZE	VOLT PHASE	CONTROL ITEM ON STARTER	FEEDER			REMARKS
							WIRE	GND.	COND.	
EF-1-1	1 1/2	SQ. D	8538	0	480/3	SEE MECH. DWGS.	3#12	#12	3/4"	FUSE @ 8A

HVAC Circuits - Roof Plan

Equipment	Load Name	Circuit	Voltage	Load	Breaker	Wire Size
MOTOR STARTER	EF-1-1 (SPD)	'LEQ' - 22,24,26	208 V/3P	2485 VA	15 A	
NON-FUESED DISCONNECT	CU-1 (SPD)	'EQ' - 2,4,6	480 V/3P	22308 VA	40 A	3#6, 1#10G, 3/4"C
NON-FUESED DISCONNECT	CU-2 (SPD)	'LEQ' - 32,34	208 V/2P	5200 VA	40 A	2#8, 1#10G, 3/4"C
NON-FUESED DISCONNECT	RTU - 1 FANS & CONTRL. (SPD)	'EQ' - 14,16,18	480 V/3P	33144 VA	80 A	4#2, 1#8G, 1-1/4"C
NON-FUESED DISCONNECT	RTU-1 CONDENSER (SPD)	'EQ' - 8,10,12	480 V/3P	96244 VA	175 A	4#2/0, 1#6G, 2"C
THERMAL SWITCH	EF-1-2 (SPD)	'LEQ' - 10	120 V/1P	698 VA	15 A	
THERMAL SWITCH	EF-1-3 (SPD)	'LEQ' - 12	120 V/1P	864 VA	15 A	
THERMAL SWITCH	EF-ALL (SPD)	'LEQ' - 16	120 V/1P	1776 VA	20 A	
THERMAL SWITCH	EF-DEC(SPD)	'LEQ' - 18	120 V/1P	1776 VA	20 A	



1 ELEC/HVAC - ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. IN ACCORDANCE WITH FBC 449.3.15.6, ALL LOW VOLTAGE SYSTEM MAIN OR BRANCH CIRCUITS ENTERING OR EXITING THE STRUCTURE SHALL HAVE SURGE SUPPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTOR FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.

KEY NOTES:

1. RTU-1 FANS AND CONTROLS. PROVIDE 100A/3/NF/WP DISCONNECT. USE 4#2, 1#8G, 1-1/4"C.
2. RTU-1 CONDENSER SECTION. PROVIDE 200A/3/NF/WP DISCONNECT. USE 4#2/0, 1#6G, 2"C.
3. CU-1 CONNECTION. USE 3#6, 1#10G, 3/4"C. AND 60A/3P/NF/480V DISCONNECT.
4. CU-2 CONNECTION. USE 2#8, 1#10G, 3/4"C. AND 60A/2P/NF/208V DISCONNECT.

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ICT Project No. 2545-01862
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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TITLE
ELEC/HVAC - ROOF PLAN

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CONDUIT AND WIRE DESIGNATION SCHEDULE

WIRE/BKR MAX AMPS	DESIG. #	DESCRIPTION	WIRE/BKR MAX AMPS	DESIG. #	DESCRIPTION
20	1	2#12, 1/2"C	200	32	2#3/0, 1#6G,2"C
20	2	2#12, 1#12G, 1/2"C	200	33	3#3/0, 1#6G, 2"C
20	3	3#12,1#12G, 1/2"C	200	34	4#3/0, 1#6G, 2"C
20	4	4#12, 1#12G, 1/2"C	230	35	2#4/0, 1#4G,2"C
30	5	2#10, 1#10G, 3/4"C	230	36	3#4/0, 1#4G, 2"C
30	6	3#10, 1#10G, 3/4"C	230	37	4#4/0, 1#4G,2-1/2"C
30	7	4#10, 1#10G, 3/4"C	255	38	3#250MCM,1#4G, 2-1/2"C
40	8	2#8, 1#10G, 3/4"C	255	39	4#250MCM, 1#4G,2-1/2"C
40	9	3#8, 1#10G, 3/4"C	285	40	3#300MCM, 1#4G,2-1/2"C
40	10	4#8, 1#10G, 3/4"C	285	41	4#300MCM,1#4G,3"C
55	11	2#6, 1#10G, 3/4"C	310	42	3#350MCM,1#3G, 2-1/2"C
55	12	3#6, 1#10G, 3/4"C	310	43	4#350MCM, 1#3G, 3"C
55	13	4#6, 1#10G, 1"C	380	44	3#500MCM, 1#3G, 3"C
70	14	2#4, 1#8G, 1"C	380	45	4#500MCM,1#3G,3-1/2"C
70	15	3#4, 1#8G, 1"C	460	46	2 SETS,EA:4#4/0,1#2G.,2-1/2"C
70	16	4#4, 1#8G, 1-1/4"C	510	47	2 SETS,EA:4#250MCM,1#1G,2-1/2"C
85	17	2#3, 1#8G, 1-1/4"C	620	48	2 SETS,EA: 4#350MCM,1#1/0G,3"C
85	18	3#3, 1#8G, 1-1/4"C	760	49	2 SETS,EA: 4#500MCM, 1#1/0G,3-1/2"C
85	19	4#3, 1#8G, 1-1/4"C	855	50	3 SETS, EA: 4#300MCM,1#2/0G,3"C
95	20	2#2, 1#8G, 1-1/4"C	930	51	3 SETS, EA: 4#350MCM,1#2/0G,3"C
95	21	3#2, 1#8G, 1-1/4"C	1005	52	3 SETS, EA: 4#400MCM,1#3/0G,3"C
95	22	4#2, 1#8G, 1-1/4"C	1140	53	3 SETS,EA:4#500MCM,1#3/0G,3-1/2"C
130	23	2#1, 1#6G, 1-1/4"C	1240	54	4 SETS,EA: 4#350MCM,1#4/0G,3"C
130	24	3#1, 1#6G, 1-1/4"C	1675	55	5 SETS,EA:4#400MCM,1#250MCMG,3"C
130	25	4#1, 1#6G, 1-1/2"C	1900	56	5 SETS,EA:4#500MCM,1#250MCMG,3-1/2"C
150	26	2#1/0, 1#6G, 1-1/2"C	2010	57	6 SETS,EA:4#400MCM,1#350MCMG,3-1/2"C
150	27	3#1/0, 1#6G,1-1/2"C	2280	58	6 SETS,EA:4#500MCM,1#350MCMG,3-1/2"C
150	28	4#1/0, 1#6G, 2"C	2660	59	7 SETS,EA:4#500MCM,1#400MCMG,3-1/2"C
175	29	2#2/0, 1#6G, 1-1/2"C	3040	60	8 SETS, EA:4#500MCM,1#500MCMG,3-1/2"C
175	30	3#2/0, 1#6G,1-1/ 2"C	4180	61	11 SETS, EA:4#500MCM,1#600MCMG,3-1/2"C
175	31	4#2/0, 1#6G, 2"C			

CONDUIT SIZE BASED ON THHN/THWN 40% FILL CALCULATION

WIRE SIZE BASED ON NEC 110-14C WITH 60°C AMPACITY TABLES FOR 20A THRU 100 AMPS AND 75°C AMPACITY TABLES FOR VALUES > 100 AMPS.

NOTE!
IN GENERAL, THE ACTUAL BREAKER AMPERAGE SHALL BE EQUAL TO OR NEXT STANDARD SIZE SMALLER THAN THE MAXIMUM WIRE AMPS. EXCEPTIONS SHALL BE MOTOR AND SPECIAL EQUIPMENT BREAKERS WHICH SHALL BE SIZED PER N.E.C. AND VENDOR REQUIREMENTS. OMIT GROUND CONDUCTORS ON SERVICE ENTRANCE FEEDERS (TYPICAL). USE #12 WIRE U.O.N. PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE BREAKER AND WIRING WITH ACTUAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED FOR THIS SPECIFIC PROJECT.

UNLESS NOTED OTHERWISE ALL 20A., 1P. BREAKERS TO UTILIZE #12 CONDUCTORS. EXCEPT WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET CONDUCTORS TO BE #10 AND OVER 175 FEET LINEAR FEET CONDUCTORS TO BE #8.

POWER SHEDDING PRIORITIES

PRIORITY	LOAD
PRIORITY 1	ATS-EA, ATS-EC
PRIORITY 2	ATS-EQ
PRIORITY 3	ATS-LN

MIN. GENERATOR FUEL TANK COMBINED TOTAL CAPACITY

GPH(100%)	GPH X 96HRS = MIN COMBINED TANK CAPACITY (USEABLE GALLONS)
23.1	2,217.6 GALLONS *

* ACTUAL VALUE SHALL BE VERIFIED WITH CONTRACTOR SUBMITTED GENERATOR

LOW FUEL ALARM (48HRS PER FBC & NFPA 110)

GPH(100%)	GPH X 48HRS = MIN COMBINED TANK CAPACITY (USEABLE GALLONS)
23.1	1,108.8 GALLONS

TRANSFORMER GROUNDING

KVA	GROUNDING ELECTRODE CONDUCTOR (COPPER)
15	#8
30	#6
45	#6
75	#2
112.5	#1/0

(n)	ALUMINUM - REFER TO WIRE DIAGRAM
(n)	COPPER - REFER TO WIRE DIAGRAM

GENERAL NOTES:

A. TIE GROUND BUS IN BOTH NORMAL AND EMERGENCY PANELS SERVING PATIENT CARE AREAS TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN NO. 10 AWG IN ACCORDANCE WITH N.E.C. ARTICLE 517-14.

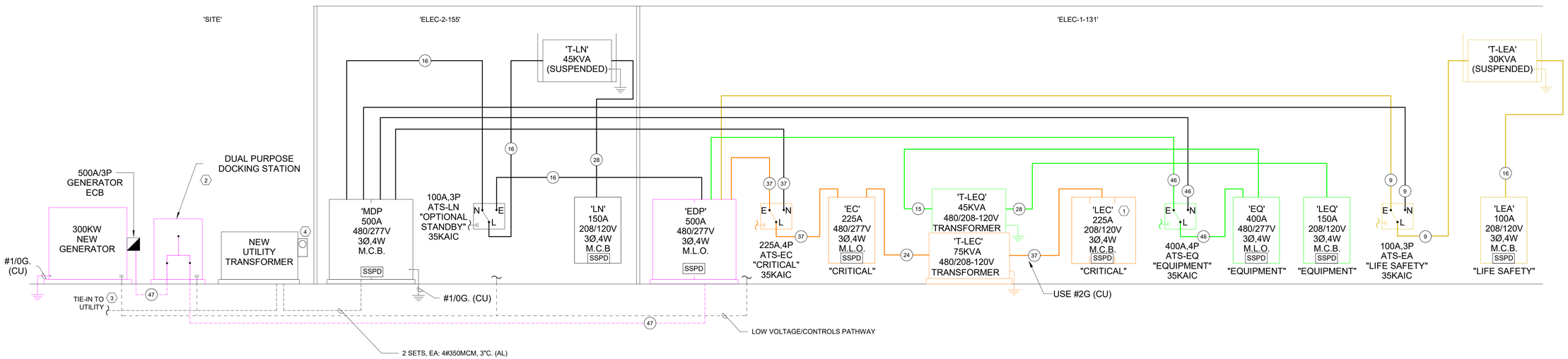
B. A SIGN SHALL BE PLACED AT THE SERVICE ENTRANCE EQUIPMENT, INDICATING TYPE AND LOCATION OF EACH ON-SITE EMERGENCY POWER SOURCE PER NEC ARTICLE 700.7 (A).

C. PROVIDE A WARNING SIGN AT THE NORMAL POWER SOURCE EQUIPMENT STATING: WARNING, SHOCK HAZARD EXISTS IF GROUNDING ELECTRODE OR BONDING JUMPER CONNECTION IN THIS EQUIPMENT IS REMOVED WHILE ALTERNATE SOURCE IS ENERGIZED. PER NEC ARTICLE 700.7 (B).

D. EMERGENCY SYSTEM TO BE A CLASS 48, TYPE 10, LEVEL 1 SYSTEM.

KEYNOTES:

1. PROVIDE (2) 60-POLE SECTION AND (3) 54 POLE SECTIONS AT PANEL 'LEC'.
2. PROVIDE A NEC 700.3(F) COMPLIANT DUAL PURPOSE DOCKING STATION (TEMPORARY GENERATOR AND LOAD BANK) EQUAL TO ASCO MGDQ -OR- TRYSTAR DBDS-5. DEVICE SHALL BE KEY INTERLOCKED TO PREVENT SIMULTANEOUS OPERATION OF TWO SOURCES. DEVICE SHALL BE PROVIDED WITH LOAD BANK DUMP CAPABILITY AND AUTO START CAPABILITY OF BOTH PERMANENT AND TEMPORARY GENERATOR. EQUIPMENT SHALL BE 480V, 600A, 4-POLE (SWITCHED NEUTRAL). CONTRACTOR SHALL PROVIDE SEPARATE LOW VOLTAGE PATHWAY (1"C) FOR CONTROLS BETWEEN ATS, DUAL PURPOSE DOCKING STATION, AND PERMANENT GENERATOR.
3. PRIMARY CABLES PROVIDED BY UTILITY COMPANY.
4. PROVIDE METER BASE AS REQUIRED BY UTILITY. COORDINATE METER LOCATION WITH UTILITY. EQUIPMENT SHALL BE SERVICE ENTRANCE AND NEMA 3R RATED.



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www.icthomasson.com
ICT Project No. 2545-01862
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

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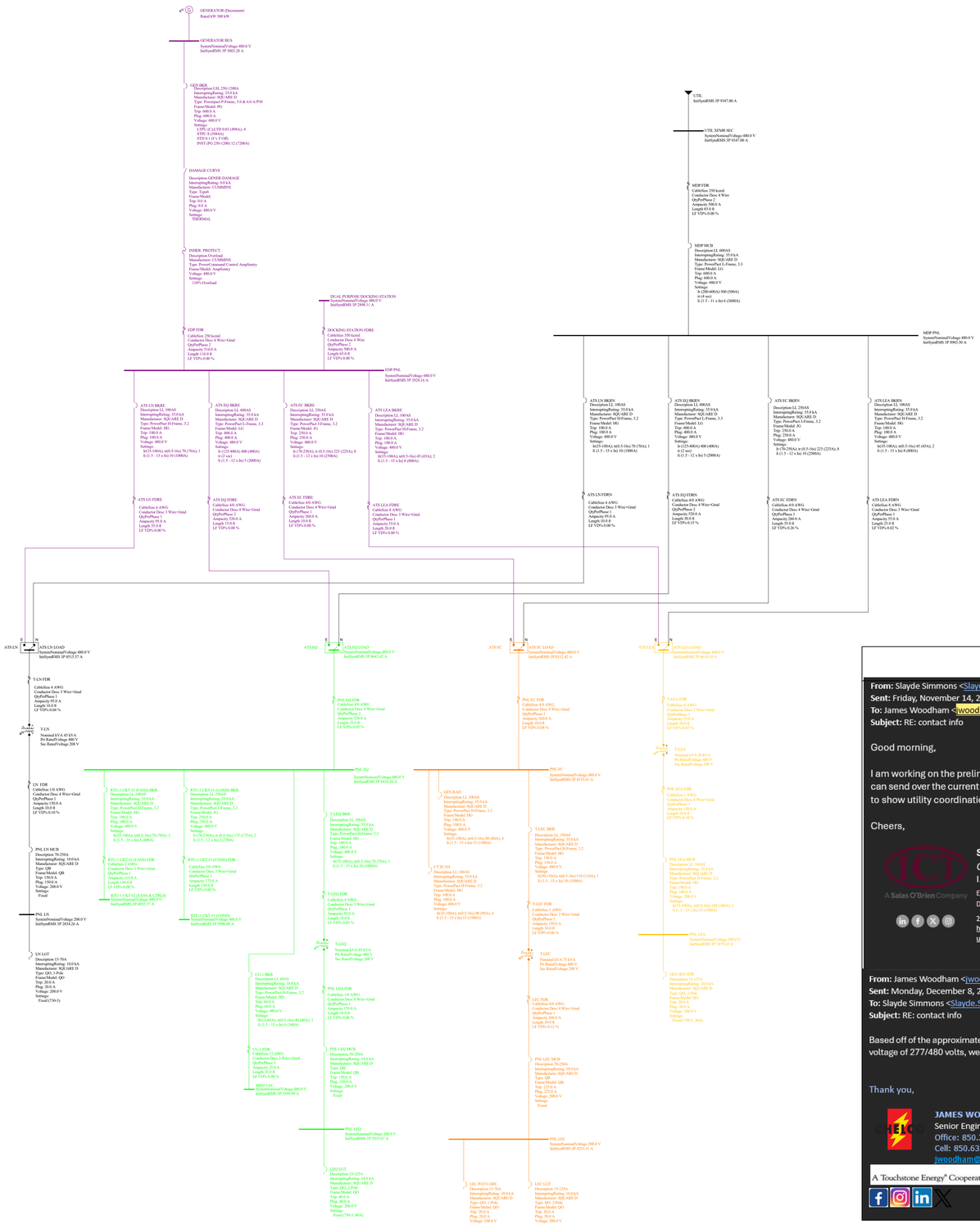
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TITLE
ELECTRICAL - RISER DIAGRAM

SHEET
E501

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UTILITY FAULT LETTER

From: Slayde Simmons <Slayde.Simmons@SalasObrien.com>
Sent: Friday, November 14, 2025 8:10 AM
To: James Woodham <jwoodham@chelco.com>
Subject: RE: contact info

Good morning,

I am working on the preliminary design for Santa Rosa FSER with the address of 2250 US Highway 98, Santa Rosa Beach, Florida 32459. I am looking to get a preliminary utility fault letter. I can send over the current drawings for the site plan, riser diagram, panel schedules, or anything else you may need. Please let me know if this is part of your district. The letter is only intended to show utility coordination for a preliminary design permit. We are not establishing service now. Please reach out with any questions you may have.

Cheers,

Slayde Simmons
Graduate Engineer
I. C. Thomasson Associates, Inc.
Email: slayde.simmons@salasobrien.com
Direct : 629-800-6441| Cell : 931-607-5208

2950 Kraft Drive, Nashville, TN 37204
https://link.edgepilot.com/s/2a0dc06a/XrGBQcpXykZXW4IoINDJ0A?u=http://www.ictthomasson.com/

From: James Woodham <jwoodham@chelco.com>
Sent: Monday, December 8, 2025 2:59 PM
To: Slayde Simmons <Slayde.Simmons@SalasObrien.com>
Subject: RE: contact info

Based off of the approximate location of the proposed service on our system, out current distribution system configuration, a 500 kVA 3 phase padmount transformer with 5.6% impedance and a secondary voltage of 277/480 volts, we can estimate the approximate maximum available fault current at the secondary bushing of the transformer to be around 9,347 amps.

Thank you,

JAMES WOODHAM
Senior Engineering Rep.
Office: 850.307.1234
Cell: 850.635.2050
jwoodham@chelco.com
A Touchstone Energy® Cooperative

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TITLE ELECTRICAL - ONE LINE DIAGRAM

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Panel: 'MDP'

Location: ELEC-2 155 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 35,000
Supply From: | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 500 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	ATS-LN	Rece...	70 A	3	11.63 kVA			102.58 kVA			3	225 A	Rece...	ATS-EC	2
3	--	--	--	--		12.72 kVA			97.84 kVA		--	--	--	--	4
5	--	--	--	--			14.19 kVA			101.25 kVA	--	--	--	--	6
7	ATS-EQ	Motor...	400 A	3	60.42 kVA			4.26 kVA			3	35 A	Other...	ATS-EA	8
9	--	--	--	--		63.41 kVA			1.69 kVA		--	--	--	--	10
11	--	--	--	--			59.92 kVA			2.00 kVA	--	--	--	--	12
13	Space	--	--	3	--			--			3	--	--	Space	14
15	--	--	--	--		--			--		--	--	--	--	16
17	--	--	--	--			--			--	--	--	--	--	18
19	Space	--	--	3	--			--			3	--	--	Space	20
21	--	--	--	--		--			--		--	--	--	--	22
23	--	--	--	--			--			--	--	--	--	--	24
25	Space	--	--	3	--			0.00 kVA			3	30 A	--	SPD	26
27	--	--	--	--		--			0.00 kVA		--	--	--	--	28
29	--	--	--	--			--			0.00 kVA	--	--	--	--	30
				Total Load:	178.88 kVA		175.67 kVA		177.36 kVA						
				Total Amps:	647 A		634 A		641 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	137971 VA	90.00%	124174 VA	**Total Conn. Load:**	531.92 kVA
General	200 VA	85.00%	170 VA	**Total Est. Demand:**	333.31 kVA
Lighting	13986 VA	100.00%	13986 VA	**Total Est. Design:**	333.31 kVA
Lighting - Hospital	0 VA	0.00%	0 VA	**Total Conn. Current:**	640 A
Motor	47732 VA	100.00%	47732 VA	**Total Est. Demand Current:**	401 A
Motor - Hospital	0 VA	0.00%	0 VA	**Total Est. Design Current:**	401 A
Other	1000 VA	100.00%	1000 VA		
Receptacle	134072 VA	53.73%	72036 VA		
Receptacle - Hospital	180 VA	100.00%	180 VA		
X-Ray	197000 VA	37.69%	74250 VA		

Notes:

Panel: 'EDP'

Location: ELEC-1 131 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 18,000
Supply From: | **Phases:** 3 | **Mains Type:** M.L.O.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 500 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	ATS-EC	Rece...	225 A	3	102.58 kVA			60.42 kVA			3	400 A	Motor...	ATS-EQ	2
3	--	--	--	--		97.84 kVA			63.41 kVA		--	--	--	--	4
5	--	--	--	--			101.25 kVA			59.92 kVA	--	--	--	--	6
7	ATS-EA	Other...	35 A	3	4.26 kVA			11.63 kVA			3	70 A	Rece...	ATS-LN	8
9	--	--	--	--		1.69 kVA			12.72 kVA		--	--	--	--	10
11	--	--	--	--			2.00 kVA			14.19 kVA	--	--	--	--	12
13	Space	--	--	3	--			--			3	--	--	Space	14
15	--	--	--	--		--			--		--	--	--	--	16
17	--	--	--	--			--			--	--	--	--	--	18
19	Space	--	--	3	--			--			3	--	--	Space	20
21	--	--	--	--		--			--		--	--	--	--	22
23	--	--	--	--			--			--	--	--	--	--	24
25	Space	--	--	3	--			0.00 kVA			3	30 A	--	SPD	26
27	--	--	--	--		--			0.00 kVA		--	--	--	--	28
29	--	--	--	--			--			0.00 kVA	--	--	--	--	30
				Total Load:	178.88 kVA		175.67 kVA		177.36 kVA						
				Total Amps:	647 A		634 A		641 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	137971 VA	90.00%	124174 VA	**Total Conn. Load:**	531.92 kVA
General	200 VA	85.00%	170 VA	**Total Est. Demand:**	333.31 kVA
Lighting	13986 VA	100.00%	13986 VA	**Total Est. Design:**	333.31 kVA
Lighting - Hospital	0 VA	0.00%	0 VA	**Total Conn. Current:**	640 A
Motor	47732 VA	100.00%	47732 VA	**Total Est. Demand Current:**	401 A
Motor - Hospital	0 VA	0.00%	0 VA	**Total Est. Design Current:**	401 A
Other	1000 VA	100.00%	1000 VA		
Receptacle	134072 VA	53.73%	72036 VA		
Receptacle - Hospital	180 VA	100.00%	180 VA		
X-Ray	197000 VA	37.69%	74250 VA		

Notes:

Panel: 'EC'

Location: ELEC-1 131 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 18,000
Supply From: ATS-EC | **Phases:** 3 | **Mains Type:** M.L.O.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	'T-LEC'	Rece...	125 A	3	36.91 kVA			32.33 kVA			3	80 A	X-Ray	X-RAY	2
3	--	--	--	--		32.18 kVA			32.33 kVA		--	--	--	--	4
5	--	--	--	--			35.58 kVA			32.33 kVA	--	--	--	--	6
7	CT SCAN	X-Ray	90 A	3	33.33 kVA			--			3	--	--	Space	8
9	--	--	--	--		33.33 kVA			--		--	--	--	--	10
11	--	--	--	--			33.33 kVA			--	--	--	--	--	12
13	Space	--	--	3	--			--			3	--	--	Space	14
15	--	--	--	--		--			--		--	--	--	--	16
17	--	--	--	--			--			--	--	--	--	--	18
19	Space	--	--	3	--			--			3	--	--	Space	20
21	--	--	--	--		--			--		--	--	--	--	22
23	--	--	--	--			--			--	--	--	--	--	24
25	Space	--	--	3	--			0.00 kVA			3	30 A	--	SPD	26
27	--	--	--	--		--			0.00 kVA		--	--	--	--	28
29	--	--	--	--			--			0.00 kVA	--	--	--	--	30
				Total Load:	102.58 kVA		97.84 kVA		101.25 kVA						
				Total Amps:	372 A		353 A		367 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
General	200 VA	85.00%	170 VA	**Total Conn. Load:**	301.67 kVA
Lighting	7020 VA	100.00%	7020 VA	**Total Est. Demand:**	135.15 kVA
Lighting - Hospital	0 VA	0.00%	0 VA	**Total Est. Design:**	135.15 kVA
Receptacle	97492 VA	55.13%	53746 VA	**Total Conn. Current:**	363 A
Receptacle - Hospital	180 VA	100.00%	180 VA	**Total Est. Demand Current:**	163 A
X-Ray	197000 VA	37.69%	74250 VA	**Total Est. Design Current:**	163 A

Notes:

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STATUS
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JOSHUA R. CARTWRIGHT LICENSED No 71893 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DATES OF ISSUANCE
12/18/2025 △

TITLE
ELECTRICAL - PANEL SCHEDULE

SHEET
E503

Panel: 'EQ'

Location: ELEC-1 131 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 18,000
Supply From: ATS-EQ | **Phases:** 3 | **Mains Type:** M.L.O.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	'T-LEQ'	Motor...	20 A	3	7.11 kVA			7.44 kVA			3	40 A	Motor	CU-1 (SPD)	2
3	--	--	--	--		10.10 kVA			7.44 kVA		--	--	--	--	4
5	--	--	--	--			6.62 kVA			7.44 kVA	--	--	--	--	6
7	HWP-1	Motor	15 A	3	0.92 kVA			32.08 kVA			3	175 A	Motor...	RTU-1 CONDENSER (SPD)	8
9	--	--	--	--		0.92 kVA			32.08 kVA		--	--	--	--	10
11	--	--	--	--			0.92 kVA			32.08 kVA	--	--	--	--	12
13	HWP-2	Motor	15 A	3	0.92 kVA			11.05 kVA			3	80 A	Motor...	RTU - 1 FANS & CONTRL. (SPD)	14
15	--	--	--	--		0.92 kVA			11.05 kVA		--	--	--	--	16
17	--	--	--	--			0.92 kVA			11.05 kVA	--	--	--	--	18
19	Space	--	--	3	--			0.90 kVA			3	20 A	Motor	VP-1	20
21	--	--	--	--		--			0.90 kVA		--	--	--	--	22
23	--	--	--	--			--			0.90 kVA	--	--	--	--	24
25	Space	--	--	3	--			--			3	--	--	Space	26
27	--	--	--	--		--			--		--	--	--	--	28
29	--	--	--	--			--			--	--	--	--	--	30
31	Space	--	--	3	--			--			3	--	--	Space	32
33	--	--	--	--		--			--		--	--	--	--	34
35	--	--	--	--			--			--	--	--	--	--	36
37	Space	--	--	3	--			0.00 kVA			3	30 A	--	SPD	38
39	--	--	--	--		--			0.00 kVA		--	--	--	--	40
41	--	--	--	--			--			0.00 kVA	--	--	--	--	42
			Total Load:		60.42 kVA			63.41 kVA			59.92 kVA				
			Total Amps:		218 A			229 A			216 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	136021 VA	90.00%	122419 VA	**Total Conn. Load:**	183.75 kVA
Motor	47732 VA	100.00%	47732 VA	**Total Est. Demand:**	170.15 kVA
				Total Est. Design:	170.15 kVA
				Total Conn. Current:	221 A
				Total Est. Demand Current:	205 A
				Total Est. Design Current:	205 A

Notes:
SPD - PROVIDE IN-LINE SURGE SUPPRESSION DEVICE. PROVIDE ACCESSIBLE LOCATION.

Panel: 'LEQ'

Location: ELEC-1 131 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
Supply From: 'T-LEQ' | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 150 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	VAV'S (1-10)	Equip...	20 A	1	0.60 kVA			0.28 kVA			1	15 A	Equip...	UH-1	2
3	VAV'S (11-24)	Equip...	20 A	1		0.65 kVA			0.39 kVA		1	20 A	Equip...	WH-1	4
5	FSD'S	Motor	20 A	1			0.25 kVA			0.39 kVA	1	20 A	Equip...	WH-2	6
7	DRY PIPE AIR COMP	Motor	20 A	1	0.05 kVA			0.05 kVA			1	20 A	Motor	CP-1	8
9	B-1	Equip...	15 A	1		0.60 kVA			0.70 kVA		1	15 A	Motor	EF-1-2 (SPD)	10
11	WATER SOFTENER(SPD)	Equip...	20 A	1			0.18 kVA			0.86 kVA	1	15 A	Motor	EF-1-3 (SPD)	12
13	AC-1 (SPD)	Motor	20 A	2	0.35 kVA			0.54 kVA			1	20 A	Equip...	EQUIP. CONTROL PANEL	14
15	--	--	--	--		0.35 kVA			1.78 kVA		1	20 A	Motor	EF-ALL (SPD)	16
17	AC-2 (SPD)	Motor	20 A	2			0.18 kVA			1.78 kVA	1	20 A	Motor	EF-DEC(SPD)	18
19	--	--	--	--	0.18 kVA			0.70 kVA			1	15 A	Motor	EF-MG(SPD)	20
21	AC-3 (SPD)	Motor	20 A	2		0.10 kVA			0.83 kVA		3	15 A	Motor	EF-1-1 (SPD)	22
23	--	--	--	--			0.10 kVA			0.83 kVA	--	--	--	--	24
25	AC-4 (SPD)	Motor	20 A	2	0.44 kVA			0.83 kVA			--	--	--	--	26
27	--	--	--	--		0.44 kVA			1.50 kVA		2	30 A	Equip...	EUH-1	28
29	AC-5 (SPD)	Motor	20 A	2			0.44 kVA			1.50 kVA	--	--	--	--	30
31	--	--	--	--	0.44 kVA			2.60 kVA			2	40 A	Motor	CU-2 (SPD)	32
33	AC-2-1 (SPD)	Motor	15 A	2		0.10 kVA			2.60 kVA		--	--	--	--	34
35	--	--	--	--			0.10 kVA								36
37	BC-1	Motor	15 A	2	0.05 kVA										38
39	--	--	--	--		0.05 kVA			0.00 kVA		1	20 A	--	Spare	40
41	Spare	--	20 A	1			0.00 kVA			0.00 kVA	1	20 A	--	Spare	42
43	Spare	--	20 A	1	0.00 kVA			0.00 kVA			1	20 A	--	Spare	44
45	Spare	--	20 A	1		0.00 kVA			0.00 kVA		1	20 A	--	Spare	46
47	Spare	--	20 A	1			0.00 kVA			0.00 kVA	1	20 A	--	Spare	48
49	Spare	--	20 A	1	0.00 kVA			0.00 kVA			3	30 A	--	SPD	50
51	Spare	--	20 A	1		0.00 kVA			0.00 kVA		--	--	--	--	52
53	Spare	--	20 A	1			0.00 kVA			0.00 kVA	--	--	--	--	54
			Total Load:		7.11 kVA			10.10 kVA			6.62 kVA				
			Total Amps:		60 A			85 A			55 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	6633 VA	90.00%	5970 VA	**Total Conn. Load:**	23.83 kVA
Motor	17200 VA	100.00%	17200 VA	**Total Est. Demand:**	23.17 kVA
				Total Est. Design:	23.17 kVA
				Total Conn. Current:	66 A
				Total Est. Demand Current:	64 A
				Total Est. Design Current:	64 A

Notes:
SPD - PROVIDE IN-LINE SURGE SUPPRESSION DEVICE. PROVIDE ACCESSIBLE LOCATION.

Panel: 'LEA'

Location: ELEC-1 131 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
Supply From: 'T-LEA' | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	LTG - CORRIDOR	Lighti...	20 A	1	0.72 kVA			0.15 kVA			1	20 A	Lighti...	LTG - AMBULANCE CANOPY	2
3	LTG - WALLPACK	Lighti...	20 A	1		0.66 kVA			0.12 kVA		1	20 A	Lighti...	LTG - ENTRY CANOPY	4
5	LTG - ELEC 1	Lighti...	20 A	1			0.07 kVA			0.36 kVA	1	20 A	Rece...	ENTRY DOORS	6
7	LPA'S	Other	20 A	1	1.00 kVA			0.10 kVA			1	20 A	Rece...	ENTRY DOORS	8
9	MGA(SPD)	Other	20 A	1		0.00 kVA			0.18 kVA		1	20 A	Equip...	MANIFOLD CONTROLS	10
11	REC - TDR	Rece...	20 A	1			0.18 kVA			0.18 kVA	1	20 A	Equip...	MANIFOLD CONTROLS	12
13	REC - GEN. ENCLOSURE	Rece...	20 A	1	0.36 kVA			0.54 kVA			1	20 A	Equip...	PRESSURE MONITOR	14
15	LIGHTING CONTACTOR	Lighti...	20 A	1		0.00 kVA			0.29 kVA		1	20 A	Lighti...	LTG - GEN ENCLOSURE	16
17	LTG - SITE	Lighti...	20 A	2			0.93 kVA			0.19 kVA	1	20 A	Equip...	GEN. BATTERY CHARGER	18
19	--	--	--	--	0.93 kVA			0.50 kVA			1	20 A	Equip...	FACP(SPD)(MARK RED)	20
21	REC - ELEC 1	Rece...	20 A	1		0.36 kVA			0.09 kVA		2	30 A	Equip...	GEN. JACKET HEATER(SPD)	22
23	RGA	Other	20 A	1			0.00 kVA			0.09 kVA	--	--	--	--	24
25	Spare	--	20 A	1	0.00 kVA			0.00 kVA			3	30 A	--	SPD	26
27	Spare	--	20 A	1		0.00 kVA			0.00 kVA		--	--	--	--	28
29	Spare	--	20 A	1			0.00 kVA			0.00 kVA	--	--	--	--	30
			Total Load:		4.26 kVA			1.69 kVA			2.00 kVA				
			Total Amps:		36 A			14 A			17 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	1770 VA	90.00%	1593 VA	**Total Conn. Load:**	7.95 kVA
Lighting	3829 VA	100.00%	3829 VA	**Total Est. Demand:**	7.78 kVA
Other	1000 VA	100.00%	1000 VA	**Total Est. Design:**	7.78 kVA
Receptacle	1360 VA	100.00%	1360 VA	**Total Conn. Current:**	22 A
				Total Est. Demand Current:	22 A
				Total Est. Design Current:	22 A

Notes:
SPD - PROVIDE IN-LINE SURGE SUPPRESSION DEVICE. PROVIDE ACCESSIBLE LOCATION.

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TITLE
ELECTRICAL - PANEL SCHEDULE

SHEET
E504

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12/15/2025 3:14:41 PM

Panel: 'LEC'

Location: ELEC-1 131 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
Supply From: 'T-LEC' | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	LTG - CORRIDOR	Lighti...	20 A	1	0.81 kVA			1.57 kVA			1	20 A	Lighti...	LTG - NURSE-CT/X-RAY	2
3	LTG - EXAM 1 -6	Lighti...	20 A	1		1.56 kVA			0.12 kVA		1	20 A	Lighti...	LTG - AMBULANCE...	4
5	LTG - STORAGE/EXAM 7-8	Lighti...	20 A	1			0.80 kVA			0.54 kVA	1	20 A	Lighti...	AMBULANCE CANOPY...	6
7	REC - EXAM 1	Rece...	20 A	1	0.36 kVA			0.54 kVA			1	20 A	Lighti...	ENTRY CANOPY SIGN(SPD)	8
9	REC - EXAM 1	Rece...	20 A	1		0.36 kVA			0.04 kVA		1	20 A	Lighti...	LTG - TSER	10
11	REC - EXAM 1	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 2 (BH)	12
13	REC - EXAM 1	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 2 (BH)	14
15	REC - EXAM 1	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 2 (BH)	16
17	REC - EXAM 3	Rece...	20 A	1			0.36 kVA			0.18 kVA	1	20 A	Rece...	REC - EXAM 2 (BH)	18
19	REC - EXAM 3	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 4	20
21	REC - EXAM 3	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 4	22
23	REC - EXAM 3	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 4	24
25	REC - EXAM 3	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 4	26
27	REC - EXAM 5	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 4	28
29	REC - EXAM 5	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 6	30
31	REC - EXAM 5	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 6	32
33	REC - EXAM 5	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 6	34
35	REC - EXAM 5	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 6	36
37	REC - EXAM 7	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 6	38
39	REC - EXAM 7	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 8	40
41	REC - EXAM 7	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 8	42
43	REC - EXAM 7	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 8	44
45	REC - EXAM 7	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 8	46
47	REC - EXAM 9	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 8	48
49	REC - EXAM 9	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 10	50
51	REC - EXAM 9	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 10	52
53	REC - EXAM 9	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 10	54
55	REC - EXAM 9	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 10	56
57	REC - EXAM 11	Rece...	20 A	1		0.38 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 10	58
59	REC - EXAM 11	Rece...	20 A	1			0.36 kVA			1.44 kVA	1	20 A	Rece...	REC -P.O.C.	60
61	REC - EXAM 11	Rece...	20 A	1	0.36 kVA			1.20 kVA			1	20 A	Rece...	REC -P.O.C.	62
63	REC - EXAM 11	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC -P.O.C.	64
65	REC - EXAM 11	Rece...	20 A	1			0.36 kVA			1.20 kVA	1	20 A	Rece...	REC -P.O.C.	66
67	REC - EXAM 11	Rece...	20 A	1	0.36 kVA			0.86 kVA			1	20 A	Rece...	REC -P.O.C.	68
69	REC - EXAM 11	Rece...	20 A	1		0.36 kVA			1.44 kVA		1	20 A	Rece...	REC -P.O.C.	70
71	REC - EXAM 11	Rece...	20 A	1			0.36 kVA			0.72 kVA	1	20 A	Rece...	REC -P.O.C.	72
73	REC - EXAM 11 (CC)	Rece...	20 A	1	0.20 kVA			1.20 kVA			1	20 A	Rece...	REC -P.O.C.	74
75	LTG - EXAM 11	Lighti...	20 A	1		0.77 kVA			1.20 kVA		1	20 A	Rece...	REC -P.O.C.	76
77	REC - EXAM 11	Rece...	20 A	1			0.18 kVA			0.50 kVA	1	20 A	Rece...	REC -P.O.C.	78
79	REC - TRIAGE	Rece...	20 A	1	0.36 kVA			1.44 kVA			1	20 A	Rece...	REC -P.O.C.	80
81	REC - TRIAGE	Rece...	20 A	1		0.36 kVA			1.20 kVA		1	20 A	Rece...	REC - P.O.C. (REF)	82
83	REC - TRIAGE	Rece...	20 A	1			0.36 kVA			0.72 kVA	1	20 A	Rece...	REC - P.O.C./CORIDOR (PT)	84
85	REC - TRIAGE	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - CT	86
87	REC - TRIAGE	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - CT	88
89	REC - TRIAGE	Rece...	20 A	1			0.36 kVA			0.18 kVA	1	20 A	Rece...	REC - CT	90
91	REC - CONTROL	Rece...	20 A	1	0.18 kVA			0.36 kVA			1	20 A	Rece...	REC - CT	92
93	REC - CONTROL	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - CT	94
95	REC - CONTROL	Rece...	20 A	1			0.18 kVA			0.36 kVA	1	20 A	Rece...	REC - X-RAY	96
97	REC - CONTROL	Rece...	20 A	1	0.18 kVA			0.36 kVA			1	20 A	Rece...	REC - X-RAY	98
99	REC - CONTROL	Rece...	20 A	1		0.18 kVA			0.36 kVA		1	20 A	Rece...	REC - X-RAY	100
101	REC - CONTROL	Rece...	20 A	1			0.36 kVA			1.62 kVA	1	20 A	Rece...	REC - RECEPTION	102
103	REC - CONTROL	Rece...	20 A	1	0.54 kVA			1.50 kVA			1	20 A	Rece...	REC - NURSE STATION (PT)	104
105	REC - MEDS	Rece...	20 A	1		1.04 kVA			1.90 kVA		1	20 A	Rece...	REC - NURSE STATION	106
107	REC - MEDS	Rece...	20 A	1			0.54 kVA			1.44 kVA	1	20 A	Rece...	REC - NURSE STATION	108
109	REC - MEDS	Rece...	20 A	1	1.20 kVA			1.44 kVA			1	20 A	Rece...	REC - NURSE STATION	110
111	REC - DECON	Rece...	20 A	1		0.36 kVA			1.22 kVA		1	20 A	Rece...	REC - DICTATION	112
113	EXAM LIGHT	Rece...	20 A	1			0.00 kVA			1.20 kVA	1	20 A	Rece...	REC - DICTATION	114
115	EXAM LIGHT	Rece...	20 A	1	0.00 kVA			1.20 kVA			1	20 A	Rece...	REC - NOURISH	116
117	REC - CLEAN SUPPLY	Rece...	20 A	1		0.36 kVA			1.20 kVA		1	20 A	Rece...	REC - NOURISH	118
119	REC - EQUIP STOARAGE	Rece...	20 A	1			0.18 kVA			0.36 kVA	1	20 A	Rece...	REC - MGMT OFFICE	120
121	REC - EQUIP STOARAGE	Rece...	20 A	1	0.72 kVA			0.72 kVA			1	20 A	Rece...	REC - PHARMACIST OFFICE	122
123	REC - STORAGE	Rece...	20 A	1		0.18 kVA			1.08 kVA		1	20 A	Rece...	REC - OFFICE	124
125	REC - CORIDOR 154 (CC)	Rece...	20 A	1			0.18 kVA			0.72 kVA	1	20 A	Rece...	REC - EQUIP ALCOVE	126
127	REC - CORRIDOR 136	Rece...	20 A	1	1.44 kVA			0.00 kVA			1			CARD READER	128
129	REC - CORRIDOR 154	Rece...	20 A	1		0.72 kVA			0.00 kVA		1	20 A	Rece...	CARD READER	130
131	REC - ALCOVE/FACP	Rece...	20 A	1			1.62 kVA			0.18 kVA	1	20 A	Rece...	JUMPSTART	132
133	REC - TSER/TSEC	Rece...	20 A	1	0.36 kVA			0.18 kVA			1	20 A	Lighti...	BUILDING SIGNAGE(SPD)	134
135	REC - MED GAS	Rece...	20 A	1		0.18 kVA			0.14 kVA		1	20 A	Lighti...	LTG- TDR	136
137	REC - ELEC 2	Rece...	20 A	1			0.18 kVA			0.18 kVA	1	20 A	Rece...	REC - TDR 124	138
139	REC - MECH	Rece...	20 A	1	0.18 kVA			0.36 kVA			1	20 A	Rece...	REC - TDR 124	140
141	REC - TDR 124	Rece...	20 A	1		0.18 kVA			0.18 kVA		1	20 A	Rece...	REC - TDR 124	142
143	REC - TDR 124	Rece...	20 A	1			0.18 kVA			4.99 kVA	1	20 A	Rece...	REC - TDR 124	144
145	REC - TDR 124	Rece...	20 A	1	0.18 kVA			4.99 kVA			1	20 A	Rece...	REC - TDR 124	146
147	REC - TDR 124	Rece...	20 A	1		0.18 kVA			2.50 kVA		2	20 A	Rece...	REC - TDR 124	148
149	REC - TDR 124	Rece...	20 A	2			2.50 kVA			2.50 kVA	--	--	--	--	150
151	--	--	--	--	2.50 kVA			2.50 kVA			2	20 A	Rece...	REC - TDR 124	152
153	REC - TDR 124	Rece...	20 A	2		2.50 kVA			2.50 kVA		--	--	--	--	154
155	--	--	--	--			2.50 kVA			0.00 kVA	1	20 A	--	Spare	156
157	REC - NURSE STATION (P)	Rece...	20 A	1	0.20 kVA			0.00 kVA			3	30 A	--	SPD	158
159	Spare	--	20 A	1		0.00 kVA			0.00 kVA		--	--	--	--	160
161	Spare	--	20 A	1			0.00 kVA			0.00 kVA	--	--	--	--	162
			Total Load:		36.91 kVA			32.18 kVA		35.58 kVA					
			Total Amps:		312 A			268 A		301 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
General	200 VA	85.00%	170 VA	**Total Conn. Load:**	104.68 kVA
Lighting	7020 VA	100.00%	7020 VA	**Total Est. Demand:**	60.91 kVA
Lighting - Hospital	0 VA	0.00%	0 VA	**Total Est. Design:**	60.91 kVA
Receptacle	97492 VA	55.13%	53746 VA	**Total Conn. Current:**	291 A
Receptacle - Hospital	180 VA	100.00%	180 VA	**Total Est. Demand Current:**	169 A
				Total Est. Design Current:	169 A

Notes:
SPD - PROVIDE IN-LINE SURGE SUPPRESSION DEVICE. PROVIDE ACCESSIBLE LOCATION.

Panel: 'LN'

Location: ELEC-2 155 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
Supply From: 'T-LN' | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 150 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	REC - EXAM 1	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 2 (BH)	2
3	REC - EXAM 1	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 2 (BH)	4
5	REC - EXAM 6	Rece...	20 A	1			0.18 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 4	6
7	REC - EXAM 3	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 4	8
9	REC - EXAM 3	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 6	10
11	REC - EXAM 5	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 6	12
13	REC - EXAM 5	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 8	14
15	REC - EXAM 7	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 8	16
17	REC - EXAM 7	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 1,3	18
19	REC - EXAM 9	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 4,5	20
21	REC - EXAM 9	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC -EXAM 7,8	22
23	REC - EXAM 11	Rece...	20 A	1			0.36 kVA			0.36 kVA	1	20 A	Rece...	REC - EXAM 10	24
25	REC - EXAM 11	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - EXAM 10	26
27	REC - EXAM 11	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - EXAM 9,10	28
29	LTG - EXAM 11	Lighti...	20 A	1			0.37 kVA			0.18 kVA	1	20 A	Rece...	REC - P.O.C.	30
31	REC - TDR	Rece...	20 A	1	0.18 kVA			0.36 kVA			1	20 A	Rece...	REC - X-RAY	32
33	REC - TDR	Rece...	20 A	1		0.72 kVA			0.54 kVA		1	20 A	Rece...	REC - X-RAY	34
35	REC - TSER/TEC	Rece...	20 A	1			0.54 kVA			0.36 kVA	1	20 A	Rece...	REC - CT	36
37	REC - EVS/VAC.	Rece...	20 A	1	0.36 kVA			0.36 kVA			1	20 A	Rece...	REC - CT	38
39	REC - NOURISH	Rece...	20 A	1		1.20 kVA			0.48 kVA		1	20 A	Lighti...	LTG - CT/X-RAY	40
41	REC - NOURISH	Rece...	20 A	1			1.20 kVA			1.20 kVA	1	20 A	Rece...	REC - DICTATION	42
43	REC - CLEAN SUPPLY	Rece...	20 A	1	0.54 kVA			0.72 kVA			1	20 A	Rece...	REC - NURSE STATION	44
45	REC - EQUIP. STORAGE	Rece...	20 A	1		0.36 kVA			0.36 kVA		1	20 A	Rece...	REC - RECEPTION	46
47	REC - STORAGE	Rece...	20 A	1			0.72 kVA			1.00 kVA	1	20 A	Rece...	REC - EMS LOUNGE	48
49	REC - WHEELCHAIR ALCOV	Rece...	20 A	1	0.18 kVA			1.00 kVA			1	20 A	Rece...	REC - EMS LOUNGE	50
51	REMOTE CHILLER	Equip...	20 A	1		0.18 kVA			1.44 kVA		1	20 A	Rece...	REC - OFFICE	52
53	REC - WAITING	Rece...	20 A	1			0.90 kVA			1.80 kVA	1	20 A	Rece...	REC - PHARM. OFFICE	54
55	REC - SOILD WORKROOM	Rece...	20 A	1	0.36 kVA			1.26 kVA			1	20 A	Rece...	REC - MGMT. OFFICE	56
57	REC - MECH	Rece...	20 A	1		0.36 kVA			0.38 kVA		1	20 A	Lighti...	LTG - OFFICES/STORAGE	58
59	BUILDING SIGNAGE (SPD)	Lighti...	20 A	1			0.18 kVA			0.36 kVA	1	20 A	Rece...	REC -STAFF LOUNGE	60
61	BUILDING SIGNAGE (SPD)	Lighti...	20 A	1	0.18 kVA			0.18 kVA			1	20 A	Rece...	REC - STAFF LOUNGE	62
63	SITE SIGNAGE(SPD)	Lighti...	20 A	1		0.50 kVA			0.18 kVA		1	20 A	Rece...	REC - STAFF LOUNGE	64
65	REC - ROOF(SPD)	Rece...	20 A	1			0.90 kVA			0.90 kVA	1	20 A	Rece...	REC - EXTERNAL (SPD)	66
67	LTG - ENTRY CANOPY(SPD)	Lighti...	20 A	1	0.12 kVA			0.54 kVA			1	20 A	Rece...	REC - EXTERNAL (SPD)	68
69	REC - EMS LOUNGE	Rece...	20 A	1		1.20 kVA			0.36 kVA		1	20 A	Rece...	REC - CT	70
71	REC - EMS LOUNGE	Rece...	20 A	1			0.54 kVA			0.36 kVA	1	20 A	Rece...	REC- X-RAY	72
73	REC - STAFF LOUNGE	Rece...	20 A	1	1.20 kVA			0.50 kVA			1	20 A	Lighti...	SITE SIGNAGE(SPD)	74
75	REC - NURSE STATION (P)	Rece...	20 A	1		0.40 kVA			0.50 kVA		1	20 A	Lighti...	SITE SIGNAGE(SPD)	76
77	Spare	--	20 A	1			0.00 kVA			0.00 kVA	1	20 A	--	Spare	78
79	Spare	--	20 A	1	0.00 kVA			0.00 kVA			3	30 A	--	SPD	80
81	Spare	--	20 A	1		0.00 kVA			0.00 kVA		--	--	--	--	82
83	Spare	--	20 A	1			0.00 kVA			0.00 kVA	--	--	--	--	84
			Total Load:		11.63 kVA			12.72 kVA		14.19 kVA					
			Total Amps:		97 A			107 A		120 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	180 VA	90.00%	162 VA	**Total Conn. Load:**	38.55 kVA
Lighting	3178 VA	100.00%	3178 VA	**Total Est. Demand:**	25.92 kVA
Motor - Hospital	0 VA	0.00%	0 VA	**Total Est. Design:**	25.92 kVA
Receptacle	35220 VA	64.20%	22610 VA	**Total Conn. Current:**	107 A
				Total Est. Demand Current:	72 A
				Total Est. Design Current:	72 A

Notes:
PROVIDE 24" WIDE ENCLOSURE (MINIMUM).
GFI INDICATES GFI BREAKER.
SPD - PROVIDE IN-LINE SURGE SUPPRESSION DEVICE. PROVIDE ACCESSIBLE LOCATION.

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Firm Certificate of Authorization: CA-1276

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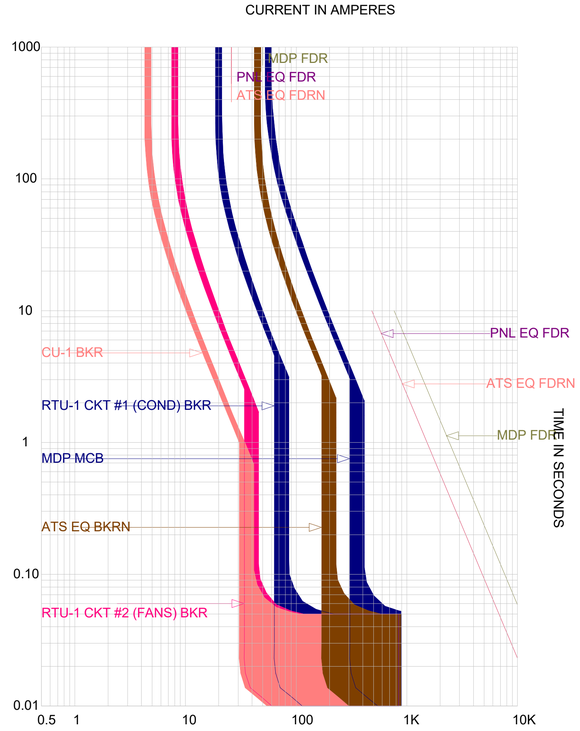
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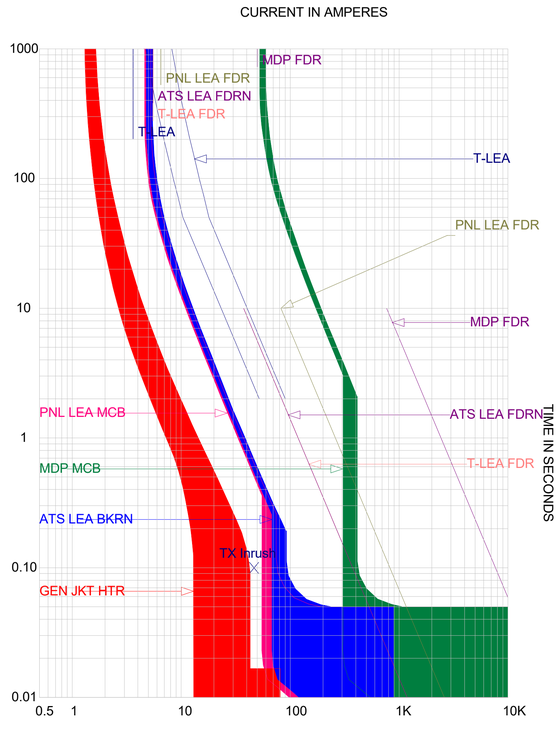
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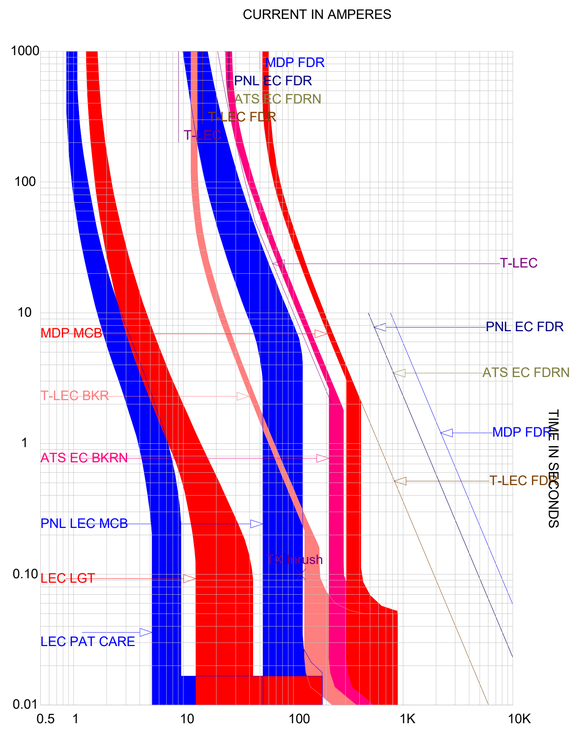
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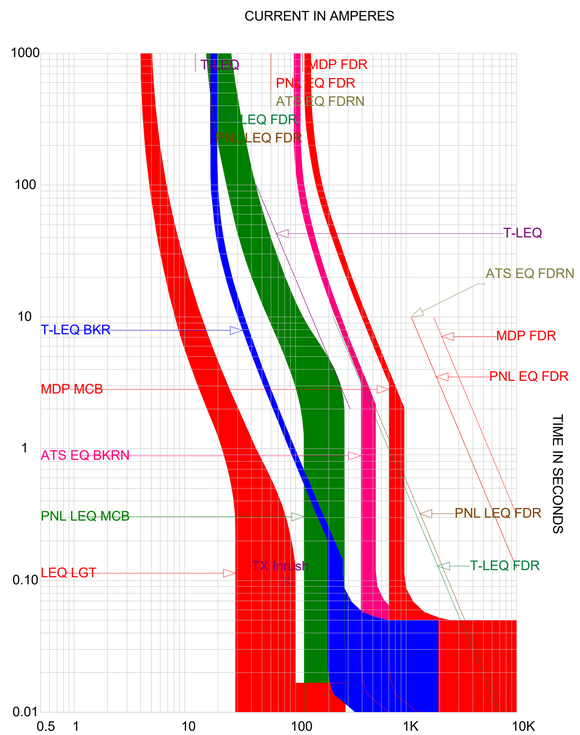
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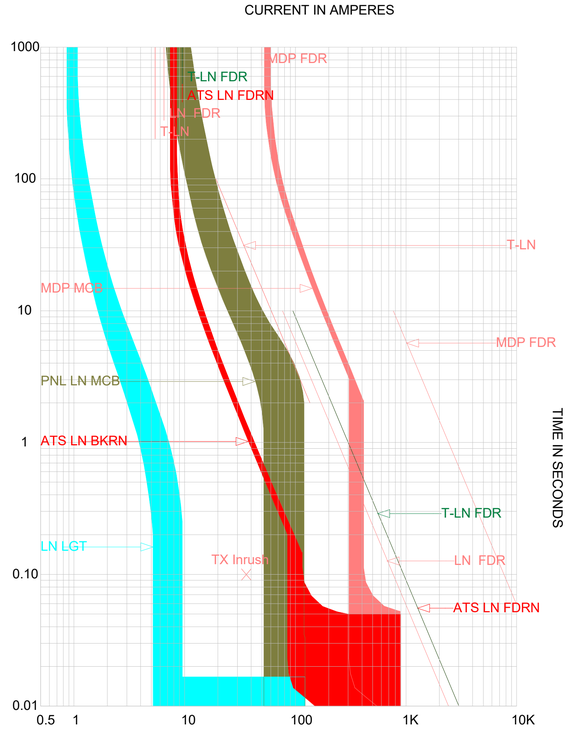
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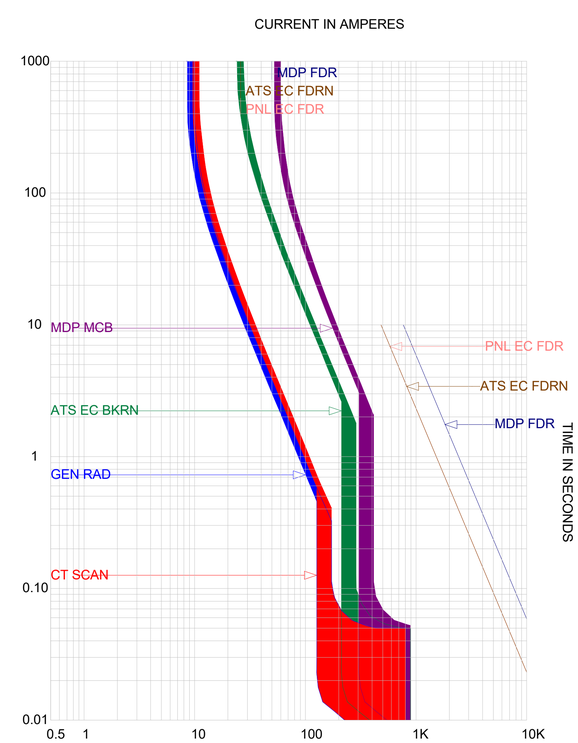
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UT-LN.tcc Ref. Voltage: 480V Current in Amps x 10 UT-LN.drw



UT-CT/RAD.tcc Ref. Voltage: 480V Current in Amps x 10

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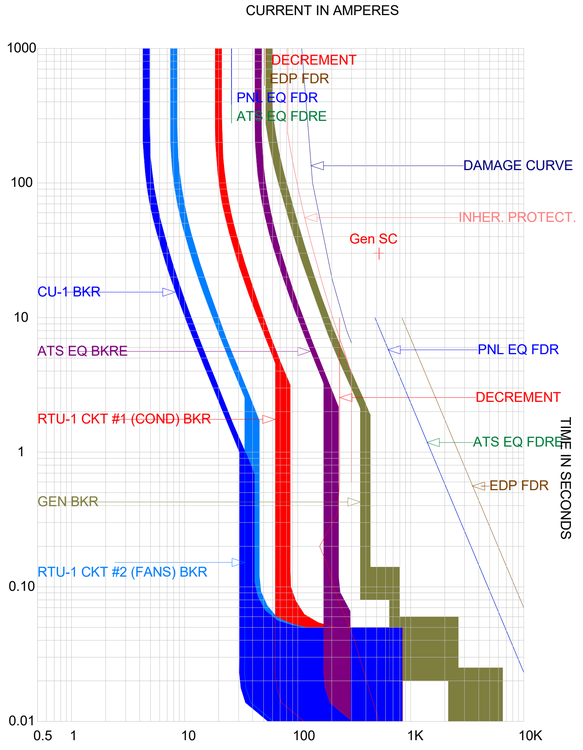
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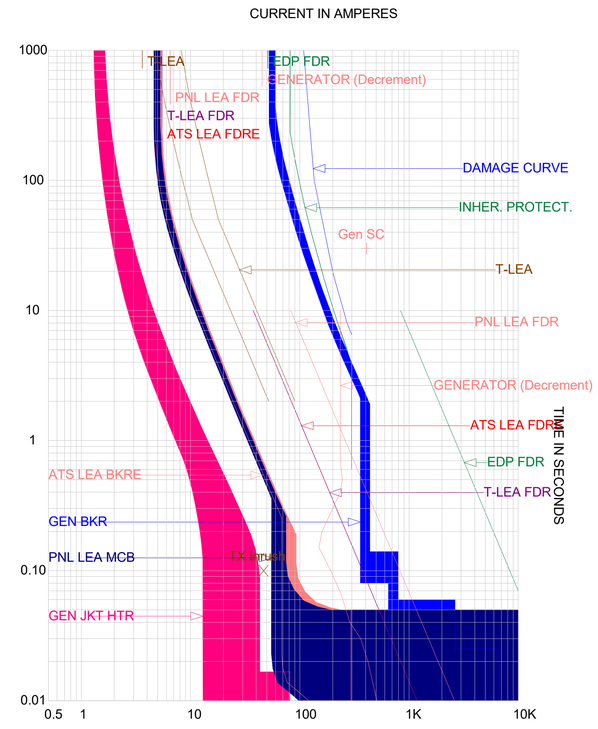
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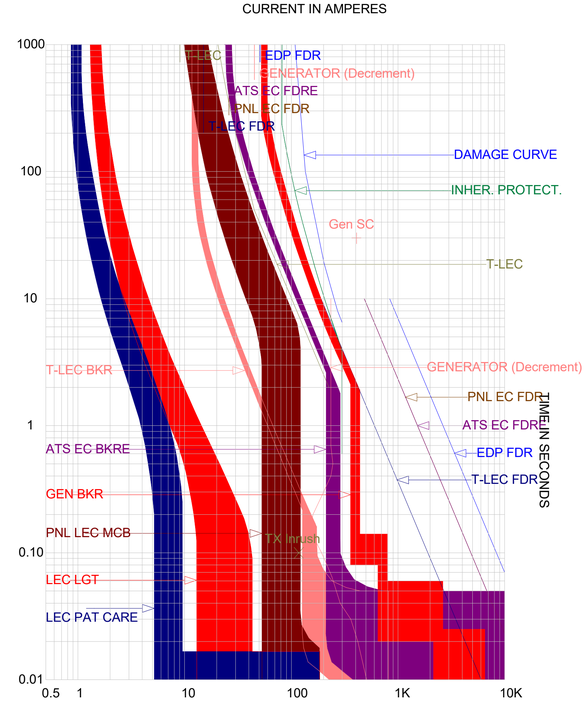
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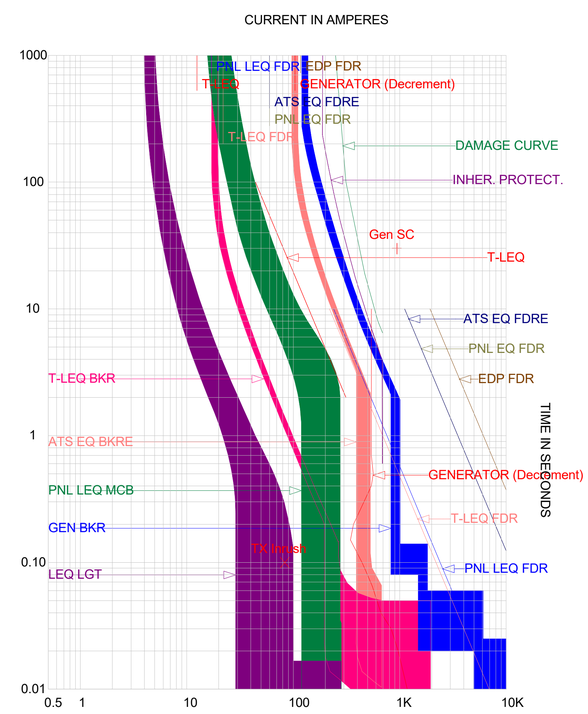
GEN-EQ.tcc Ref. Voltage: 480V Current in Amps x 10 GEN-EQ.drw



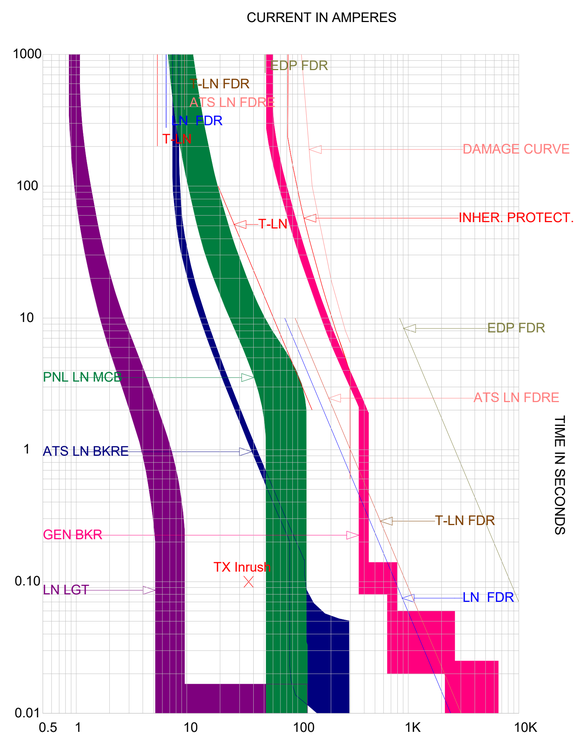
GEN-LEA.tcc Ref. Voltage: 480V Current in Amps x 10 GEN-LEA.drw



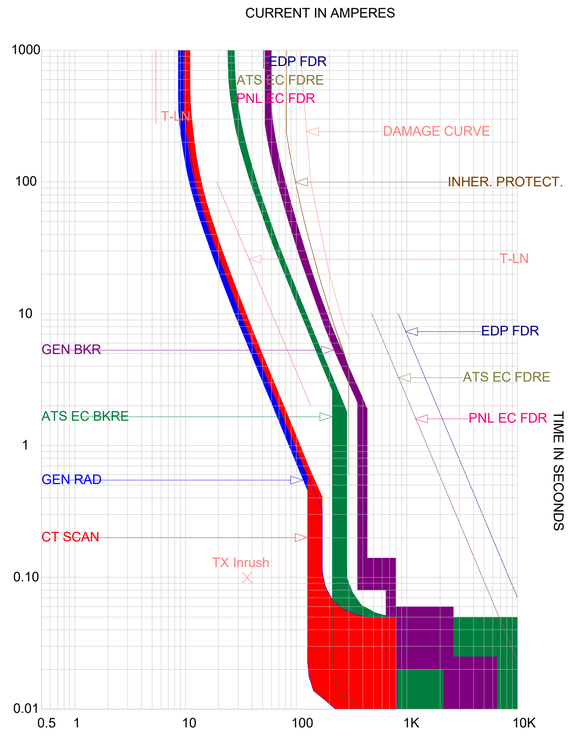
GEN-LEC.tcc Ref. Voltage: 480V Current in Amps x 10 GEN-LEC.drw



GEN-LEQ.tcc Ref. Voltage: 208V Current in Amps x 10 GEN-LEQ.drw



GEN-LN.tcc Ref. Voltage: 480V Current in Amps x 10



GEN-CT/RAD.tcc Ref. Voltage: 480V Current in Amps x 10 GEN-CT_RAD.drw

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Josh Cartwright
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DATES OF ISSUANCE
12/18/2025

TITLE ELEC STUDY - BREAKER CURVES

SHEET E507

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12/15/2025 3:14:42 PM

NORMAL POWER
CONDITION

Dec 15, 2025
12:53:48

AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
6610.1 / -50.5 6610.1 /-170.5 6610.1 / 69.5

ATS LEA LOAD ===== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LEA PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
BUS-0085 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS LEA LOAD ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
ATS LEA LOAD T-LEA PRI T-LEA FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
BUS-0085 ATS LEA LOAD ATS LEA 480. 6610.1/ -50.
6610.1/-170. 6610.1/ 70.

ATS LN LOAD VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 8515.6 / -73. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.170 +j 13.495 (PU)
THEVENIN IMPEDANCE X/R RATIO: 3.236

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
9660.5 8519.2 8515.6 8515.6 8515.6

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
8515.6 / -72.8 8515.6 / 167.2 8515.6 / 47.2

ATS LN LOAD ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LN PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS LN-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 92.
ATS LN LOAD ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
ATS LN LOAD T-LN PRI T-LN FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
ATS LN-N ATS LN LOAD ATS LN 480. 8515.6/ -73.
8515.6/ 167. 8515.6/ 47.

DUAL PURPOSE D VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2898.1 / -84. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.194 +j 41.291 (PU)
THEVENIN IMPEDANCE X/R RATIO: 9.845

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4156.0 3115.6 2960.4 2903.0 2898.2

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2898.1 / -84.2 2898.1 / 155.8 2898.1 / 35.8

DUAL PURPOSE D ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
EDP PNL 480.0 0.0233 / -63. 0.0233 / 177. 0.0233 / 57.
DUAL PURPOSE D ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
DUAL PURPOSE D EDP PNL DOCKING STATIO 480. 2898.1/ 96.
2898.1/ -24. 2898.1/-144.

EDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2928.2 / -85. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.291 +j 40.945 (PU)
THEVENIN IMPEDANCE X/R RATIO: 12.440

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4350.0 3293.7 3066.3 2946.9 2929.1

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2928.2 / -85.4 2928.2 / 154.6 2928.2 / 34.6

EDP PNL ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
GENERATOR BUS 480.0 0.0390 / -49. 0.0390 /-169. 0.0390 / 71.
ATS LEA-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EC-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EQ-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS LN-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
DUAL PURPOSE D 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
EDP PNL ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
GENERATOR BUS EDP PNL EDP FDR 480. 2928.2/ -85.
2928.2/ 155. 2928.2/ 35.
EDP PNL ATS LEA-E ATS LEA FDRE 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
EDP PNL ATS EC-E ATS EC FDRE 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
EDP PNL ATS EQ-E ATS EQ FDRE 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
EDP PNL ATS LN-E ATS LN FDRE 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
DUAL PURPOSE D EDP PNL DOCKING STATIO 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

GENERATOR BUS VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3003.3 / -87. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 2.000 +j 40.000 (PU)
THEVENIN IMPEDANCE X/R RATIO: 20.000

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4711.2 3762.2 3429.1 3130.4 3022.9

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
3003.3 / -87.1 3003.3 / 152.9 3003.3 / 32.9

GENERATOR BUS ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
EDP PNL 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.

GENERATOR BUS ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
GENERATOR (Dec GENERATOR BUS 480. 3003.3/ -87.
3003.3/ 153. 3003.3/ 33.
GENERATOR BUS EDP PNL EDP FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

MDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 8903.5 / -78. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 2.777 +j 13.221 (PU)
THEVENIN IMPEDANCE X/R RATIO: 4.761

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
11029.2 8948.8 8906.7 8903.5 8903.5

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
8903.5 / -78.1 8903.5 / 161.9 8903.5 / 41.9

MDP PNL ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
UTIL XFMR SEC 480.0 0.0936 / -57. 0.0936 /-177. 0.0936 / 63.
ATS EQ-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS LN-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
BUS-0084 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
BUS-0085 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
MDP PNL ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
UTIL XFMR SEC MDP PNL MDP FDR 480. 8903.5/ -78.
8903.5/ 162. 8903.5/ 42.
MDP PNL ATS EQ-N ATS EQ FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL ATS LN-N ATS LN FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL BUS-0084 ATS EC FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL BUS-0085 ATS LEA FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

MED VAC VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3399.9 / -25. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 31.948 +j 15.197 (PU)
THEVENIN IMPEDANCE X/R RATIO: 0.476

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
3399.9 3399.9 3399.9 3399.9 3399.9

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
3399.9 / -25.4 3399.9 / -145.4 3399.9 / 94.6

MED VAC ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
PNL EQ 480.0 0.8039 / -23. 0.8039 /-143. 0.8039 / 97.
MED VAC ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
PNL EQ MED VAC CU-1 FDR 480. 3399.9/ -25.
3399.9/-145. 3399.9/ 95.

PNL EC VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 8153.6 / -74. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.027 +j 14.192 (PU)
THEVENIN IMPEDANCE X/R RATIO: 3.524

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
9425.6 8160.1 8153.8 8153.6 8153.6

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
8153.6 / -74.2 8153.6 / 165.8 8153.6 / 45.8

PNL EC ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
ATS EC LOAD 480.0 0.0238 / -36. 0.0238 /-156. 0.0238 / 84.
T-LEC PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
PNL EC ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
ATS EC LOAD PNL EC PNL EC FDR 480. 8153.6/ -74.
8153.6/ 166. 8153.6/ 46.
PNL EC T-LEC PRI T-LEC FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

PNL EQ VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 8434.4 / -76. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.541 +j 13.814 (PU)
THEVENIN IMPEDANCE X/R RATIO: 3.902

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
9978.4 8447.9 8435.0 8434.4 8434.4

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
8434.4 / -75.6 8434.4 / 164.4 8434.4 / 44.4

PNL EQ ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
ATS EQ LOAD 480.0 0.0308 / -38. 0.0308 /-158. 0.0308 / 82.
T-LEQ PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-1 CKT #1 (480.0 0.0000 / 0. 0.0000 / 0.0000 / 0.
MED VAC 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-1 CKT #2 (480.0 0.0000 / 0. 0.0000 / 0.0000 / 0.
PNL EQ ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
ATS EQ LOAD PNL EQ PNL EQ FDR 480. 8434.4/ -76.
8434.4/ 164. 8434.4/ 44.
PNL EQ T-LEQ PRI T-LEQ FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ RTU-1 CKT #1 (RTU-1 CKT #1 (480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ MED VAC CU-1 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ RTU-1 CKT #2 (RTU-1 CKT #2 (480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

PNL LEA VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1875.6 / -76. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 103.235 +j 106.034 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.027

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1879.8 1875.6 1875.6 1875.6 1875.6

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
1875.6 / -75.8 1875.6 / 164.2 1875.6 / 44.2

PNL LEA ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LEA SEC 208.0 0.0265 / -56. 0.0265 /-176. 0.0265 / 64.
PNL LEA ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
T-LEA SEC PNL LEA PNL LEA FDR 208. 1875.6/ -76.
1875.6/ 164. 1875.6/ 44.

PNL LEC VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 4253.3 / -89. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 33.906 +j 55.761 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.645

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4345.5 4253.3 4253.3 4253.3 4253.3

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
4253.3 / -89.7 4253.3 / 151.3 4253.3 / 31.3

PNL LEC ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LEC SEC 208.0 0.0267 / -51. 0.0267 /-171. 0.0287 / 69.
PNL LEC ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
T-LEC SEC PNL LEC LEC FDR 208. 4253.3/ -89.
4253.3/ 151. 4253.3/ 31.

PNL LEQ VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2835.1 / -91. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 47.404 +j 85.666 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.807

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2921.4 2835.1 2835.1 2835.1 2835.1

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2835.1 / -91.0 2835.1 / 149.0 2835.1 / 29.0

PNL LEQ ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LEQ SEC 208.0 0.0328 / -68. 0.0328 / 172. 0.0328 / 52.
PNL LEQ ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
T-LEQ SEC PNL LEQ PNL LEQ FDR 208. 2835.1/ -91.
2835.1/ 149. 2835.1/ 29.

PNL LN VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2834.3 / -91. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 48.033 +j 85.347 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.777

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2915.6 2834.3 2834.3 2834.3 2834.3

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2834.3 / -90.6 2834.3 / 149.4 2834.3 / 29.4

PNL LN ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
T-LN SEC 208.0 0.0328 / -68. 0.0328 / 172. 0.0328 / 52.
PNL LN ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
T-LN SEC PNL LN LN FDR 208. 2834.3/ -91.
2834.3/ 149. 2834.3/ 29.

RTU-1 CKT #1 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5996.1 / -59. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 10.181 +j 17.284 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.698

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
6142.4 5996.1 5996.1 5996.1 5996.1

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
5996.1 / -59.5 5996.1 /-179.5 5996.1 / 60.5

RTU-1 CKT #1 (==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
PNL EQ 480.0 0.3735 / -32. 0.3735 /-152. 0.3735 / 88.
RTU-1 CKT #1 (================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
PNL EQ RTU-1 CKT #1 (RTU-1 CKT #1 (480. 5996.1/ -59.
5996.1/-179. 5996.1/ 61.

RTU-1 CKT #2 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 4955.4 / -47. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 16.692 +j 17.623 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.056

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4968.3 4955.4 4955.4 4955.4 4955.4

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
4955.4 / -46.6 4955.4 /-166.6 4955.4 / 73.4

RTU-1 CKT #2 (==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
PNL EQ 480.0 0.5641 / -30. 0.5641 /-150. 0.5641 / 90.
RTU-1 CKT #2 (================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
PNL EQ RTU-1 CKT #2 (RTU-1 CKT #2 (480. 4955.4/ -47.
4955.4/-167. 4955.4/ 73.

UTIL XFMR SEC VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 9347.0 / -83. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 1.596 +j 12.769 (PU)
THEVENIN IMPEDANCE X/R RATIO: 8.000

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
12924.2 9742.6 9430.6 9350.6 9347.0

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
9347.0 / -82.9 9347.0 / 157.1 9347.0 / 37.1

UTIL XFMR SEC ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
MDP PNL 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
UTIL XFMR SEC ================ INI. RMS SYSTEM BRANCH FLOWS (AMPS)
================
FIRST BRANCH FROM FAULT AT TIME = 0.5 CYCLES
BRANCH NAME VBASE LL -PHASE A- -PHASE B- -PHASE C-
UTIL UTIL XFMR SEC 480. 9347.0/ -83.
9347.0/ 157. 9347.0/ 37.
UTIL XFMR SEC MDP PNL MDP FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

****

Dec 15, 2025 12:53:48 PAGE
4
NORMAL POWER
CONDITION

********** F A U L T A N A L Y S I S S U M M A R Y **********

BUS NAME VOLTAGE AVAILABLE FAULT CURRENT
L-L 3 PHASE X/R LINE/GRND X/R

ATS EC LOAD 480. 8312.4 3.7
ATS EQ LOAD 480. 8643.4 4.2
ATS LEA LOAD 480. 6610.1 1.2
ATS LN LOAD 480. 8515.6 3.2
DUAL PURPOSE D 480. 2898.1 9.8

EDP PNL 480. 2928.2 12.4
GENERATOR BUS 480. 3003.3 20.0
MDP PNL 480. 8903.5 4.8
MED VAC 480. 3399.9 0.5
PNL EC 480. 8153.6 3.5

PNL EQ 480. 8434.4 3.9
PNL LEA 208. 1875.6 1.0
PNL LEC 208. 4253.3 1.6
PNL LEQ 208. 2835.1 1.8
PNL LN 208. 2834.3 1.8

RTU-1 CKT #1 (480. 5996.1 1.7
RTU-1 CKT #2 (480. 4955.4 1.1
UTIL XFMR SEC 480. 9347.0 8.0

********** FAULT ANALYSIS REPORT COMPLETED **********

ICT
A Salas O'Brien Company

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2950 KRAFT DRIVE
NASHVILLE, TN, 37204
PHONE (615) 346-3400
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ICT Project No. 2545-01862
Firm Certificate of Authorization: CA-1276

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENT

JOSHUA R. CARTWRIGHT LICENSED No 71893 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Joshua R. Cartwright, P.E. using a Digital Signature and Date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Josh Cartwright
2025.12.15 18:02:34-06'00'

DATES OF ISSUANCE
12/18/2025
△

TITLE
FAULT STUDY - NORMAL CONDITION

SHEET
E508

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12/15/2025 3:14:43 PM

EMERGENCY POWER
CONDITION

Dec 15, 2025
12:57:50

```
3344.0    2811.6    2806.4    2806.1    2806.1

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2806.1 / -76.1    2806.1 / 163.9    2806.1 /  43.9

ATS LEA LOAD  ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
ATS LEA-E        480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
T-LEA PRI        480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS LEA LOAD  ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
ATS LEA-E     ATS LEA LOAD   ATS LEA          480.   2806.1/ -76.
2806.1/ 164.   2806.1/  44.
ATS LEA LOAD   T-LEA PRI     T-LEA FDR        480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

ATS LN LOAD    VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2817.3 /  -79. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   8.168 +j  41.905 (PU)
THEVENIN IMPEDANCE X/R RATIO:    5.131

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
3549.9    2838.2    2819.1    2817.3    2817.3

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2817.3 / -79.0    2817.3 / 161.0    2817.3 /  41.0

ATS LN LOAD  ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
T-LN PRI         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS LN-E         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS LN LOAD  ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
ATS LN LOAD    T-LN PRI     T-LN FDR         480.    0.0/   0.
0.0/   0.     0.0/   0.
ATS LN-E      ATS LN LOAD    ATS LN          480.   2817.3/ -79.
2817.3/ 161.   2817.3/  41.

----------

DUAL PURPOSE D VOLTAGE BASE LL:             480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2898.1 /  -84. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   4.194 +j  41.291 (PU)
THEVENIN IMPEDANCE X/R RATIO:    9.845

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
4156.0    3115.6    2960.4    2903.0    2898.2

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2898.1 / -84.2    2898.1 / 155.8    2898.1 /  35.8

DUAL PURPOSE D ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
EDP PNL          480.0  0.0233 /  -63.  0.0233 / 177.  0.0233 /  57.
DUAL PURPOSE D ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
DUAL PURPOSE D EDP PNL        DOCKING STATIO   480.   2898.1/  96.
2898.1/ -24.   2898.1/-144.

----------

EDP PNL        VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2928.2 /  -85. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   3.291 +j  40.945 (PU)
THEVENIN IMPEDANCE X/R RATIO:    12.440

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
4350.0    3293.7    3066.3    2946.9    2929.1

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2928.2 / -85.4    2928.2 / 154.6    2928.2 /  34.6

EDP PNL        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
GENERATOR BUS    480.0  0.0390 / -49.  0.0390 /-169.  0.0390 /  71.
ATS LEA-E        480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS EC-E         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS EQ-E         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS LN-E         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
DUAL PURPOSE D   480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
EDP PNL        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
GENERATOR BUS  EDP PNL        EDP FDR          480.   2928.2/ -85.
2928.2/ 155.   2928.2/  35.
EDP PNL        ATS LEA-E     ATS LEA FDRE     480.    0.0/   0.
0.0/   0.     0.0/   0.
EDP PNL        ATS EC-E      ATS EC FDRE      480.    0.0/   0.
0.0/   0.     0.0/   0.
EDP PNL        ATS EQ-E      ATS EQ FDRE      480.    0.0/   0.
0.0/   0.     0.0/   0.
EDP PNL        ATS LN-E      ATS LN FDRE      480.    0.0/   0.
0.0/   0.     0.0/   0.
DUAL PURPOSE D EDP PNL        DOCKING STATIO   480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

GENERATOR BUS  VOLTAGE BASE LL:             480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  3003.3 /  -87. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   2.000 +j  40.000 (PU)
THEVENIN IMPEDANCE X/R RATIO:    20.000

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
4711.2    3762.2    3429.1    3130.4    3022.9

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
3003.3 / -87.1    3003.3 / 152.9    3003.3 /  32.9

GENERATOR BUS  ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
EDP PNL          480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
GENERATOR BUS  ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
GENERATOR (Dec GENERATOR BUS              480.   3003.3/ -87.
3003.3/ 153.   3003.3/  33.
GENERATOR BUS  EDP PNL        EDP FDR          480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

MDP PNL        VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  8903.5 /  -78. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   2.777 +j  13.221 (PU)
THEVENIN IMPEDANCE X/R RATIO:    4.761

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
11029.2    8948.8    8906.7    8903.5    8903.5

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
8903.5 / -78.1    8903.5 / 161.9    8903.5 /  41.9

MDP PNL        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
UTIL XFMR SEC    480.0  0.0938 / -57.  0.0938 /-177.  0.0936 /  63.
ATS EQ-N         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
ATS LN-N         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
BUS-0084         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
BUS-0085         480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
MDP PNL        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
UTIL XFMR SEC  MDP PNL        MDP FDR          480.   8903.5/ -78.
8903.5/ 162.   8903.5/  42.
MDP PNL        ATS EQ-N      ATS EQ FDRN      480.    0.0/   0.
0.0/   0.     0.0/   0.
MDP PNL        ATS LN-N      ATS LN FDRN      480.    0.0/   0.
0.0/   0.     0.0/   0.
MDP PNL        BUS-0084      ATS EC FDRN      480.    0.0/   0.
0.0/   0.     0.0/   0.
MDP PNL        BUS-0085      ATS LEA FDRN     480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

MED VAC        VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2245.7 /  -53. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   32.254 +j  42.759 (PU)
THEVENIN IMPEDANCE X/R RATIO:    1.326

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
2265.3    2245.7    2245.7    2245.7    2245.7

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2245.7 / -53.0    2245.7 / 173.0    2245.7 /  67.0

MED VAC        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
PNL EQ           480.0  0.5310 / -50.  0.5310 /-170.  0.5310 /  70.
MED VAC        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
PNL EQ         MED VAC       CU-1 FDR         480.   2245.7/ -53.
2245.7/-173.   2245.7/  67.

----------

PNL EC         VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2894.5 /  -85. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   3.847 +j  41.377 (PU)
THEVENIN IMPEDANCE X/R RATIO:    10.756

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
4209.6    3161.9    2980.2    2902.9    2894.7

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2894.5 / -84.7    2894.5 / 155.3    2894.5 /  35.3

PNL EC         ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
ATS EC LOAD      480.0  0.0085 / -47.  0.0085 /-167.  0.0085 /  73.
T-LEC PRI        480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
PNL EC         ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
ATS EC LOAD    PNL EC        PNL EC FDR       480.   2894.5/ -85.
2894.5/ 155.   2894.5/  35.
PNL EC         T-LEC PRI     T-LEC FDR        480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

PNL EQ         VOLTAGE BASE LL:              480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2894.5 /  -85. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   3.847 +j  41.377 (PU)
THEVENIN IMPEDANCE X/R RATIO:    10.756

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
4209.6    3161.9    2980.2    2902.9    2894.7

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2894.5 / -84.7    2894.5 / 155.3    2894.5 /  35.3

PNL EQ         ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
ATS EQ LOAD      480.0  0.0106 / -47.  0.0106 /-167.  0.0106 /  73.
T-LEQ PRI        480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
RTU-1 CKT #1 (   480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
MED VAC          480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
RTU-1 CKT #2 (   480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
PNL EQ         ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
ATS EQ LOAD    PNL EQ        PNL EQ FDR       480.   2894.5/ -85.
2894.5/ 155.   2894.5/  35.
PNL EQ         T-LEQ PRI     T-LEQ FDR        480.    0.0/   0.
0.0/   0.     0.0/   0.

----------

PNL LEA        VOLTAGE BASE LL:              208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  1651.5 /  -83. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   101.990 +j  133.595 (PU)
THEVENIN IMPEDANCE X/R RATIO:    1.310

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
1665.1    1651.5    1651.5    1651.5    1651.5

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
1651.5 / -82.6    1651.5 / 157.4    1651.5 /  37.4

PNL LEA        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
T-LEA SEC        208.0  0.0234 / -63.  0.0234 / 177.  0.0234 /  57.
PNL LEA        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
T-LEA SEC      PNL LEA       PNL LEA FDR      208.   1651.5/ -83.
1651.5/ 157.   1651.5/  37.

----------

PNL LEC        VOLTAGE BASE LL:              208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  3100.0 /  -98. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   33.726 +j  82.946 (PU)
THEVENIN IMPEDANCE X/R RATIO:    2.459

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
3332.2    3100.1    3100.0    3100.0    3100.0

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
3100.0 / -97.9    3100.0 / 142.1    3100.0 /  22.1

PNL LEC        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
T-LEC SEC        208.0  0.0209 / -60.  0.0209 / 180.  0.0209 /  60.
PNL LEC        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
T-LEC SEC      PNL LEC       LEC FDR          208.   3100.0/ -98.
3100.0/ 142.   3100.0/  22.

----------

PNL LEQ        VOLTAGE BASE LL:              208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2259.1 /  -97. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   47.710 +j  113.228 (PU)
THEVENIN IMPEDANCE X/R RATIO:    2.373

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
2413.8    2259.1    2259.1    2259.1    2259.1

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2259.1 / -97.2    2259.1 / 142.8    2259.1 /  22.8

PNL LEQ        ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
T-LEQ SEC        208.0  0.0261 / -74.  0.0261 / 166.  0.0261 /  46.
PNL LEQ        ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
T-LEQ SEC      PNL LEQ       PNL LEQ FDR      208.   2259.1/ -97.
2259.1/ 143.   2259.1/  23.

----------

PNL LN         VOLTAGE BASE LL:              208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2219.0 /  -95. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   52.031 +j  113.757 (PU)
THEVENIN IMPEDANCE X/R RATIO:    2.186

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
2340.9    2219.0    2219.0    2219.0    2219.0

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2219.0 / -95.4    2219.0 / 144.6    2219.0 /  24.6

PNL LN         ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
T-LN SEC         208.0  0.0257 / -73.  0.0257 / 167.  0.0257 /  47.
PNL LN         ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
T-LN SEC       PNL LN        LN FDR           208.   2219.0/ -95.
2219.0/ 145.   2219.0/  25.

----------

RTU-1 CKT #1 ( VOLTAGE BASE LL:             480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2611.6 /  -77. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   10.488 +j  44.847 (PU)
THEVENIN IMPEDANCE X/R RATIO:    4.276

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
3155.8    2618.9    2612.0    2611.6    2611.6

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2611.6 / -76.8    2611.6 / 163.2    2611.6 /  43.2

RTU-1 CKT #1 ( ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
PNL EQ           480.0  0.1627 / -69.  0.1627 /-169.  0.1627 /  71.
RTU-1 CKT #1 ( ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
PNL EQ         RTU-1 CKT #1 ( RTU-1 CKT #1 (   480.   2611.6/ -77.
2611.6/ 163.   2611.6/  43.

----------

RTU-1 CKT #2 ( VOLTAGE BASE LL:             480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  2491.5 /  -69. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   16.998 +j  45.185 (PU)
THEVENIN IMPEDANCE X/R RATIO:    2.658

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
2715.8    2491.7    2491.5    2491.5    2491.5

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
2491.5 / -69.4    2491.5 / 170.6    2491.5 /  50.6

RTU-1 CKT #2 ( ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
PNL EQ           480.0  0.2836 / -53.  0.2836 /-173.  0.2836 /  67.
RTU-1 CKT #2 ( ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
PNL EQ         RTU-1 CKT #2 ( RTU-1 CKT #2 (   480.   2491.5/ -69.
2491.5/ 171.   2491.5/  51.

----------

UTIL XFMR SEC  VOLTAGE BASE LL:             480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT:  9347.0 /  -83. ( AMPS/DEG )
THEVENIN EQUIVALENT IMPEDANCE:   1.596 +j  12.769 (PU)
THEVENIN IMPEDANCE X/R RATIO:    8.000

 ASYM   RMS   INTERRUPTING AMPS
 1/2 CYCLES    2 CYCLES    3 CYCLES    5 CYCLES    8 CYCLES
12924.2    9742.6    9430.6    9350.6    9347.0

INI. SYM. RMS FAULTED BUS VOLTAGES ( PU / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
0.0000 /   0.0    0.0000 /   0.0    0.0000 /   0.0

INI.   RMS   FAULTED CURRENT ( AMPS / DEG )
AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
9347.0 / -82.9    9347.0 / 157.1    9347.0 /  37.1

UTIL XFMR SEC  ==== INI. SYM. RMS SYSTEM BUS VOLTAGES ( PU / DEG ) =======
FIRST BUS FROM FAULT   AT TIME =   0.5 CYCLES
---PHASE A---    ---PHASE B---    ---PHASE C---
MDP PNL          480.0  0.0000 /   0.  0.0000 /   0.  0.0000 /   0.
UTIL XFMR SEC  ================= INI.   RMS   SYSTEM BRANCH FLOWS ( AMPS )
==========
FIRST BRANCH FROM FAULT AT TIME =   0.5 CYCLES
BRANCH NAME   VBASE LL  -PHASE A-    -PHASE B-    -PHASE C-
UTIL           UTIL XFMR SEC             480.   9347.0/ -83.
9347.0/ 157.   9347.0/  37.
UTIL XFMR SEC  MDP PNL       MDP FDR          480.    0.0/   0.
0.0/   0.     0.0/   0.
```



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****************  F A U L T   A N A L Y S I S   S U M M A R Y
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-------------------------------------------------------------------------------
BUS NAME          VOLTAGE        AVAILABLE FAULT CURRENT
L-L      3 PHASE    X/R LINE/GRND   X/R

ATS EC LOAD          480.        2911.3    11.5
ATS EQ LOAD          480.        2915.5    11.7
ATS LEA LOAD         480.        2806.1     4.0
ATS LN LOAD          480.        2817.3     5.1
DUAL PURPOSE D       480.        2898.1     9.8

EDP PNL              480.        2928.2    12.4
GENERATOR BUS        480.        3003.3    20.0
MDP PNL              480.        8903.5     4.8
MED VAC              480.        2245.7     1.3
PNL EC               480.        2894.5    10.8

PNL EQ               480.        2894.5    10.8
PNL LEA              208.        1651.5     1.3
PNL LEC              208.        3100.0     2.5
PNL LEQ              208.        2259.1     2.4
PNL LN               208.        2219.0     2.2

RTU-1 CKT #1 (       480.        2611.6     4.3
RTU-1 CKT #2 (       480.        2491.5     2.7
UTIL XFMR SEC        480.        9347.0     8.0

**********************  FAULT ANALYSIS REPORT COMPLETED
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ICT Project No. 2545-01862
Firm Certificate of Authorization: CA-1276

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STATUS: CONSTRUCTION DOCUMENT

JOSHUA R. CARTWRIGHT — LICENSE — No 71893 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

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Josh Cartwright
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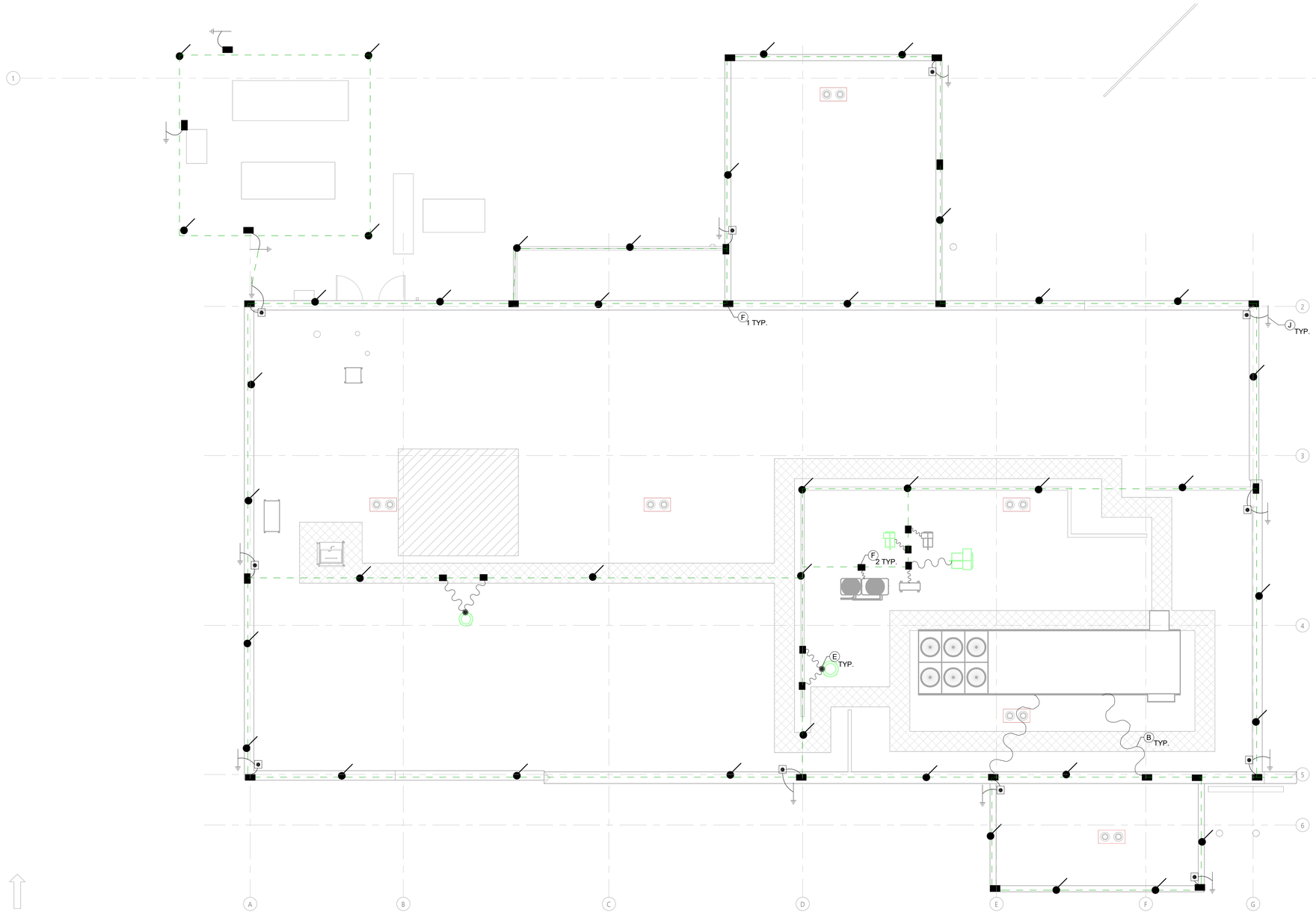
DATES OF ISSUANCE
12/18/2025 △

TITLE: FAULT STUDY - EMERGENCY CONDITION

SHEET: E509

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1 ELECTRICAL - LIGHTNING PROTECTION
SCALE: 1/8" = 1'-0"

DETAIL	SYMBOL	DISCRIPTION
		MAIN CONDUCTOR
		COPPER DOWN LEAD CONDUCTOR TO GROUND
		GROUND LOOP
		MID ROOF AIR TERMINAL
A		PARAPET AIR TERMINAL
B		EQUIPMENT BOND
C		TOP MOUNT AIR TERMINAL
D		SEE BEND RADIUS DETAIL
E		EQUIPMENT AIR TERMINAL
F 1		MAIN CONDUCTOR CABLE SPLICER
F 2		SECONDARY CABLE SPLICER
G		EXPOSED DOWN LEAD TO LOWER ROOF
H		THRU ROOF ( ) OR THRU WALL ( ) PENETRATION
J		CONCEALED DOWN LEAD GROUND ROD
K		CONCEALED DOWN LEAD TO LOWER ROOF
L		EXPOSED DOWN LEAD TO THRU WALL CONNECTION TO I BEAM
R		STANDING STEAM ROOF AIR TERMINAL

NOTE: SEE SHEET E602, E603 FOR LIGHTNING PROTECTION DETAILS.

GENERAL NOTE:

A. DETAILS ON THIS SHEET ARE SHOWING ITEMS FOR CLASS I DEVICES WHICH ARE FOR ROOF AREAS BELOW 75 FOOT. ITEMS ABOVE 75 FOOT OF THE ROOF STRUCTURE ARE TO BE SIMILAR BUT MUST BE APPROVED FOR CLASS II STRUCTURES.

LIGHTNING PROTECTION LEGEND

LIGHTNING PROTECTION SYSTEM GENERAL INSTALLATION NOTES

1. THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF NFPA 780 AND UNDERWRITERS' LABORATORIES STANDARD 96A FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS, THE ACTUAL MASTER LABEL WILL BE DELIVERED UPON COMPLETION OF INSTALLATION.
2. METAL BODIES OF INDUCTANCE LOCATED ABOUT THE ROOF SUCH AS; METAL FLASHINGS, GRAVEL STOPS, ROOF DRAINS, SOIL PIPE VENTS, INSULATION VENTS, LOUVERS AND DOOR FRAMES SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.
3. NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90 DEGREES NOR SHALL HAVE A RADIUS OF BEND OF LESS THAN 8".
4. CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND SHALL FORM A TWO WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.
5. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN 3'-0" MAXIMUM SPACING.
6. CONNECTIONS TO GROUND ROD OR GROUND LOOP CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
7. ACTUAL JOBSITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
8. AIR TERMINALS SHALL BE PLACED AT ALL UNPROTECTED OUTSIDE CORNERS AND LOCATED INTERMEDIATELY ON 20'-0" MAXIMUM SPACING AROUND THE ROOF PERIMETER OR RIDGE AND WITHIN 2'-0" OF OUTSIDE EDGE.
9. TELEPHONE AND/OR ELECTRICAL SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.
10. BOND ALL METALLIC PIPES INCLUDING WATER, FIRE, GAS, SEWER, STORM, ETC. WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNLEAD, GROUND ROD OR GROUND LOOP. BOND AT BOTTOM AND TOP.
11. BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES AND VICE VERSA, ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
12. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.
13. EACH INDIVIDUAL ITEM OF THE LIGHTNING PROTECTION SYSTEM LAYOUT HAS NOT BEEN DESIGNATED BY A DETAIL TYPE. THE ITEMS LABELED TYPICAL ARE TYPICAL FOR SIMILAR AREAS & CONDITIONS WHICH OCCUR THROUGHOUT THE SYSTEM ALL MATERIALS ARE TO BE CLASS I.
14. BOND DOWN CONDUCTORS TO TOP AND BOTTOM OF STRUCTURAL STEEL COLUMNS OR TO REBARS OF CONCRETE COLUMNS WHERE DOWN CONDUCTORS ARE INSTALLED TO COLUMNS.
15. BOND ALL METALLIC SERVICE ENTRANCE CONDUIT AND PIPE TO THE LIGHTNING PROTECTION SYSTEM.
16. BOND NEW SYSTEM TO EXISTING SYSTEM IF APPLICABLE.
17. ALL CATALOG NUMBERS INDICATED ARE THOSE OF ERICO PROTECTION PRODUCTS.
18. ADHESIVE ATTACHMENT OF LIGHTNING PROTECTION DEVICES SHALL BE BY AN ADHESIVE WHICH FUSES WITH THE ROOF STRUCTURE. ATTACHMENT MUST BE STRUCTURALLY SOUND TO THE POINT WHERE REMOVAL WOULD CAUSE DESTRUCTION OF THE ROOF ASSEMBLY.
19. OWNER IS TO BE ADVISED BY CONTRACTOR ONCE THE FINAL INSPECTION HAS BEEN COMPLETED & LABE HAS BEEN ISSUED IN 5 YEARS OF CERTIFICATION. A RE INSPECTION WILL HAVE TO OCCURE TO MAINTAIN RE CERTIFICATION OF LIGHTNING PROTECTION SYSTEM.

NOTES FOR LIGHTNING PROTECTION

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STATUS
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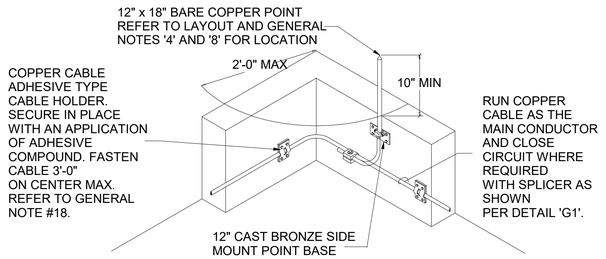
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TITLE
ELECTRICAL - LIGHTING PROTECTION

SHEET
E601

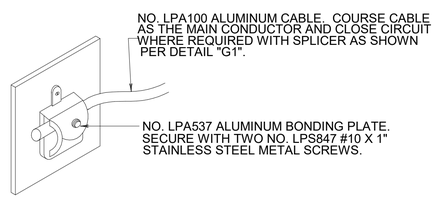
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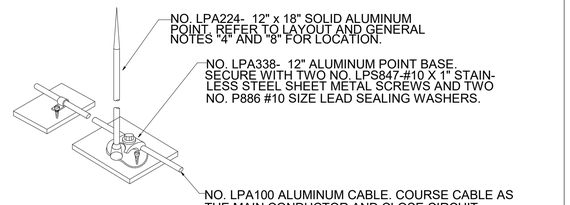
PARAPET AIR TERMINAL — A

No Scale



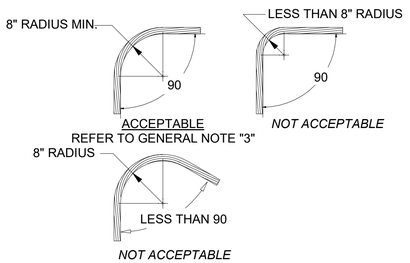
TYP. EQUIP. HOUSING BOND — B

No Scale



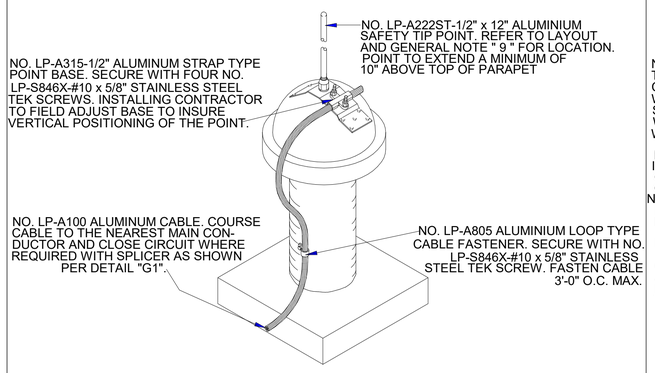
TOP MOUNT AIR TERMINAL — C

No Scale



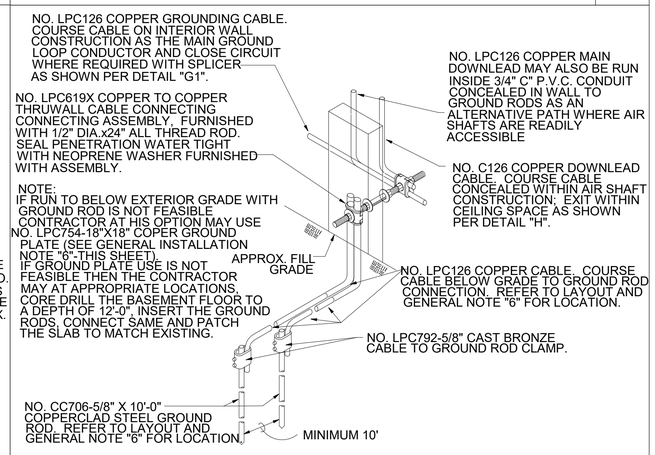
TYP. CABLE BEND REQUIREMENTS — D

No Scale



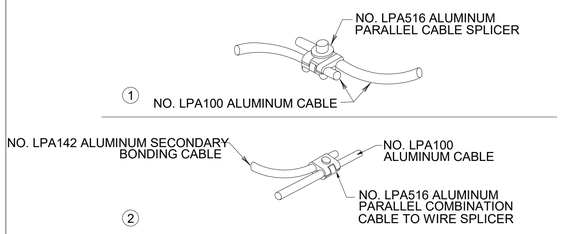
EQUIPMENT AIR TERMINAL — E

NO SCALE



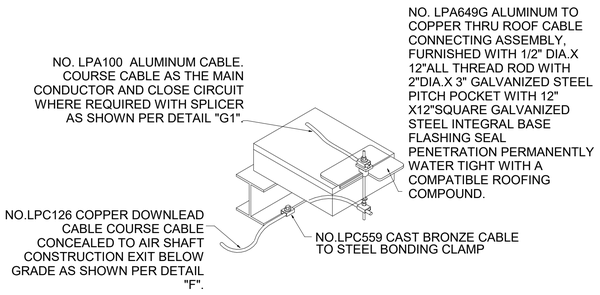
CONCEALED DOWNLEAD GROUNDING CONDUCTOR — F

No Scale



TYP. CABLE SPLICERS — G

No Scale



TYP. THRU-ROOF PENETRATION — H

No Scale

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ICT Project No. 2545-01862
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Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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PROJECT # 225014.00

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HIGHWAY 98, SANTA ROSA BEACH, FL 32459

HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
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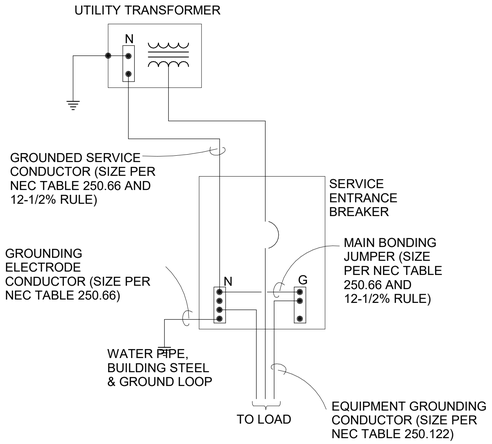
DATES OF ISSUANCE
12/18/2025
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TITLE
ELECTRICAL - LIGHTING PROTECTION DETAILS

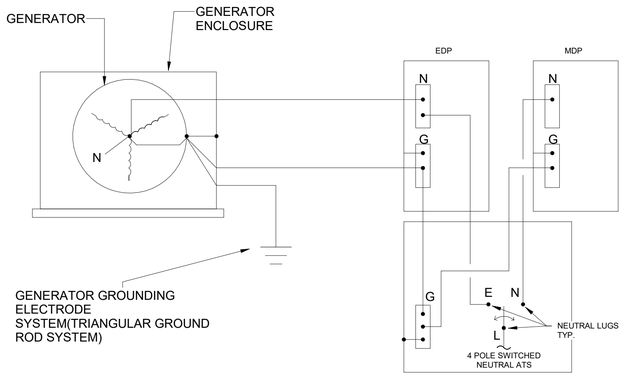
SHEET
E602

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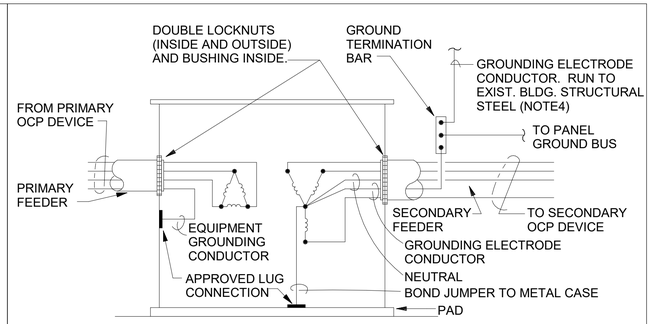
12/15/2025 3:14:44 PM



SERVICE ENTRANCE GROUNDING DETAIL — 1
No Scale



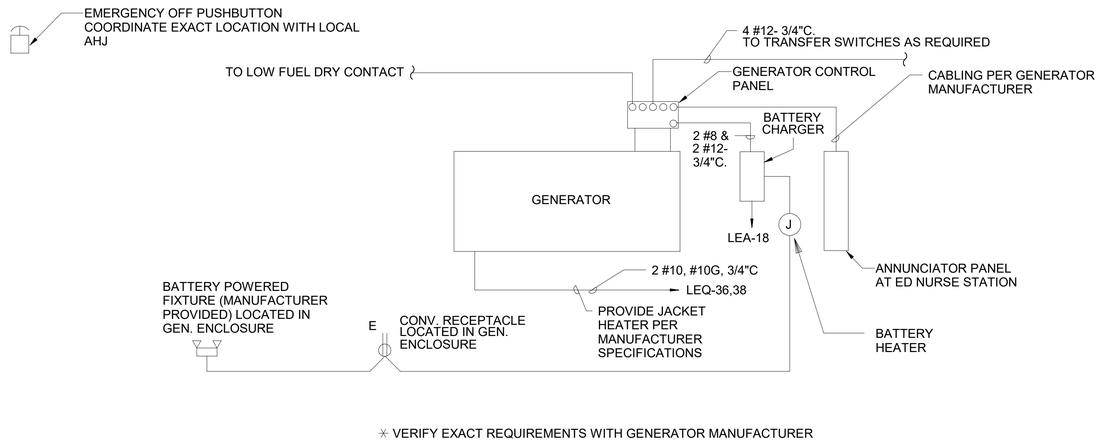
GENERATOR GROUNDING DETAIL — 2
No Scale



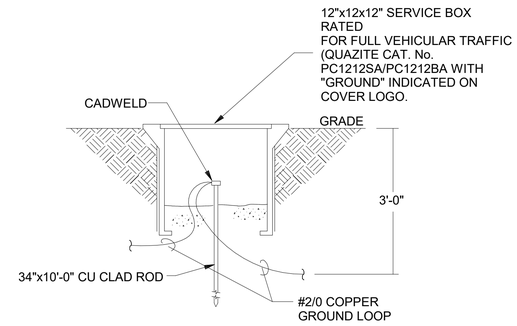
NOTES:

1. DETAIL IS FOR 3-PHASE TRANSFORMERS WITH PRIMARY AND SECONDARY VOLTAGES UNDER 600 VAC.
2. BOND JUMPER AND GROUNDING ELECTRODE CONDUCTOR SHALL BE SIZED PER NEC 250.66.
3. BOND JUMPER AND REQUIRED GROUNDING ELECTRODE CONDUCTOR SHALL BE SAME SIZE. IF THE SECONDARY FEEDER CONDUCTORS ARE GREATER THAN 1100MCM COPPER OR 1750MCM ALUMINUM, THE BOND JUMPER SHALL BE INCREASED IN SIZE TO 12.5 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SECONDARY PHASE CONDUCTOR.
4. PROVIDE GROUND TERMINATION BAR AND CONNECT TRANSFORMER SECONDARY GROUND CONDUCTORS.

GROUNDING FOR TRANSFORMER — 3
No Scale



EMERGENCY GENERATOR SYSTEM INTERLOCKING DIAGRAM — 4
No Scale



GROUND ROD WELL DETAIL — 5
No Scale

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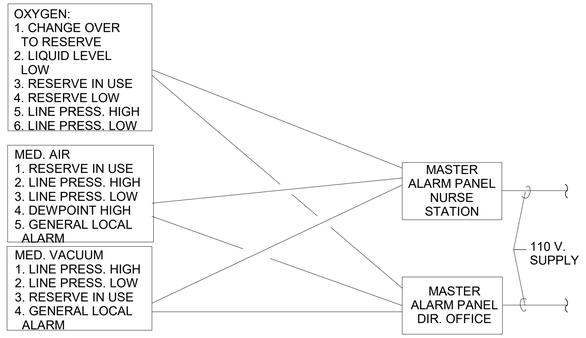
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DATES OF ISSUANCE
12/18/2025
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TITLE: ELECTRICAL-DETAILS

SHEET: E701

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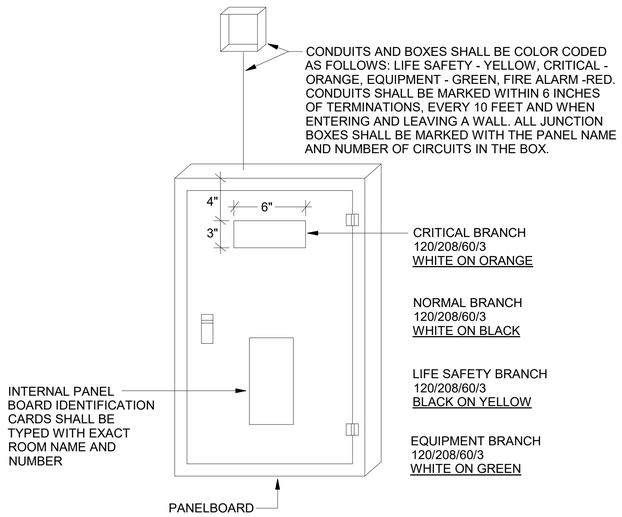
NOTE:
EACH ALARM POINT LISTED REQUIRES A STRANDED 18 GUAGE, SHIELDED TWISTED PAIR CABLE EQUAL TO BELDEN #8451 OR WEST PENN #452. ALL WIRING IN MIN. 3/4 " CONDUIT. ALL WIRING AND CONDUIT BETWEEN THE MASTER ALARM PANELS AND THE SOURCES, AS SHOWN, SHALL BE PROVIDED BY AND INSTALLED BY THE ELECTRICAL CONTRACTOR. (REFER TO MEDICAL GAS DRAWINGS FOR ALL EQUIPMENT CONNECTIONS REQUIRED).

MEDICAL GAS MASTER ALARMPANEL WIRING SCHEMATIC — 6
No Scale

A FEEDER CONDUCTOR COLOR CODING CHART SHALL BE POSTED ON THE INSIDE OF EACH PANELBOARD DOOR. AN ENGRAVED PLAQUE MAY BE USED OR THE CHART CAN BE INCLUDED ON THE TYPEWRITTEN CIRCUIT DIRECTORY CARD. THE CARD SHALL READ AS APPROPRIATE, EITHER:

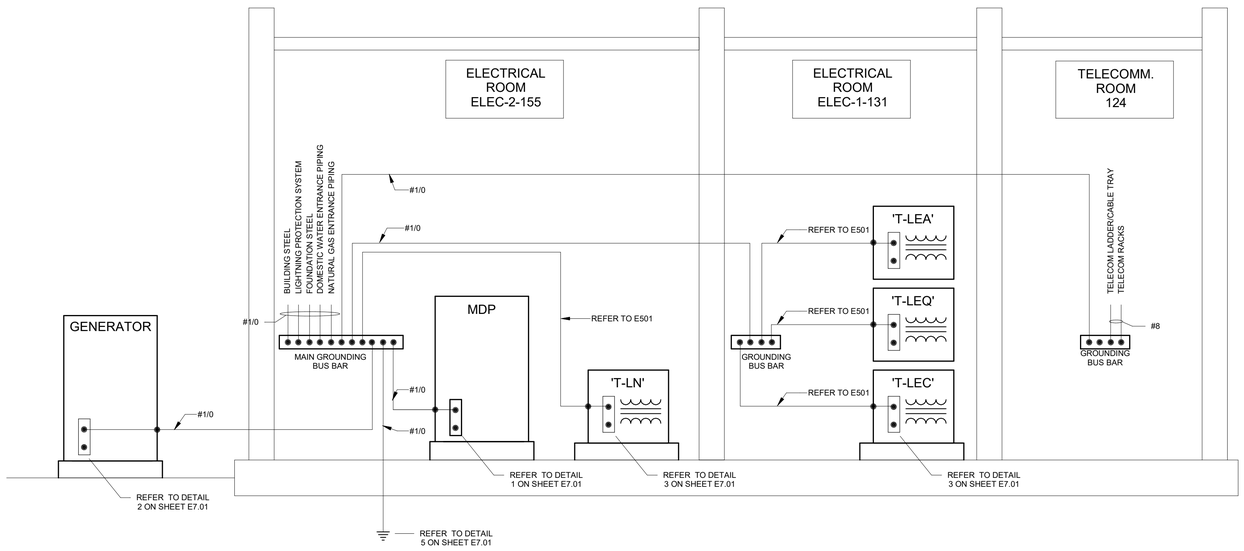
120/208Vø3 COLOR CODE		277/480Vø3 COLOR CODE	
PHASE A	BLACK	PHASE A	BROWN
PHASE B	RED	PHASE B	ORANGE
PHASE C	BLUE	PHASE C	YELLOW
NEUTRAL	WHITE	NEUTRAL	GRAY
GROUND	GREEN	GROUND	GREEN

TYPICAL ENGRAVING & COLOR CODING — 7
No Scale

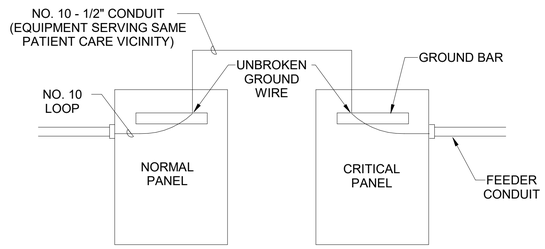


GENERAL NOTES:
1. VERIFY FINAL COLOR CODING AND NAMING CRITERIA WITH THE FACILITY STANDARDS.

TYPICAL ENGRAVING & COLOR CODING — 8
No Scale



GROUNDING ELECTRODE CONDUCTOR SYSTEM DETAIL — 9
No Scale



GENERAL NOTES:
1. IN AREAS FOR PATIENT CARE, PROVIDE GROUNDING IN ACCORDANCE WITH NEC 517.13 AND 517.14.
2. THE EQUIPMENT GROUNDING TERMINAL BARS OF THE NORMAL AND ESSENTIAL ELECTRICAL SYSTEM PANELBOARDS SHALL BE BONDED TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN NO. 10. THIS APPLIES TO ALL PANELS SIZED PER NEC 250.95 FOR FEEDER OVER 60 AMP. ACCEPTABLE TO HIGH PRESS IN ORDER TO PROVIDE CONTINUOUS LOOP.

TYPICAL EQUIPOTENTAIL GROUND SYSTEM DIAGRAM — 10
No Scale

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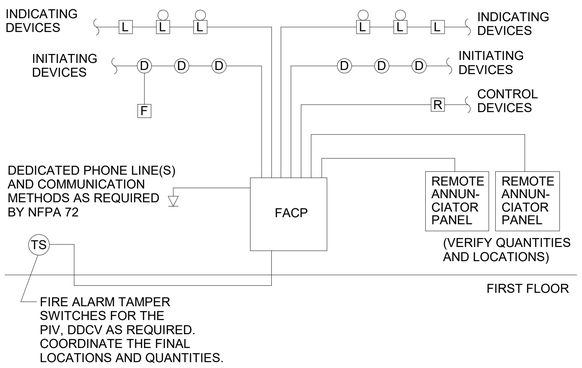
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12/18/2025

TITLE: ELECTRICAL-DETAILS

SHEET: E702

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FIRE ALARM RISER DIAGRAM
No Scale

11

NOTES:

A. PROVIDE WEATHERPROOF DEVICES WERE SHOWN OR AS REQUIRED BASED ON THE LOCATION OF THE DEVICE.

B. RECORD AND SHOP DRAWINGS SHALL INDICATE EXACT ROUTING AND LOCATIONS OF ALL DEVICES, CONDUITS (TYPES AND SIZES), CONDUCTORS (TYPES AND SIZES) AND ALL PERTINENT INSTALLATION INFORMATION.

C. USE FINAL ACTUAL ROOMS NAMES AND NUMBERS BASED IN THE INSTALLATION OF SIGNAGE AND NOT THE ARCHITECTURAL ROOM NAMES WHEN PROGRAMMING THE FINAL SYSTEM.

D. CONTRACTOR SHALL INCLUDE "RECORD OF COMPLETION," INCLUDING A TEST REPORT FOR THE SENSITIVITY OF ALL SMOKE DETECTORS AND DUCT SMOKE DETECTORS.

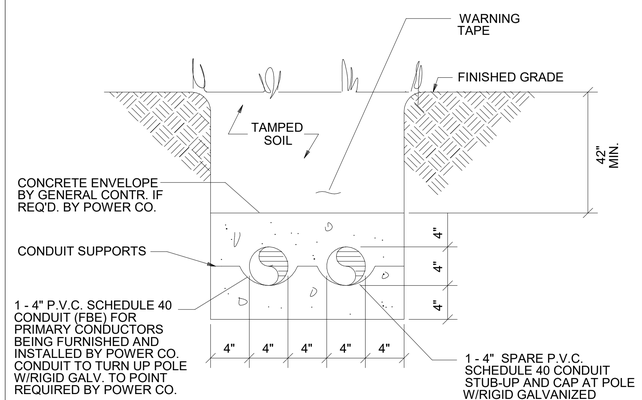
E. ACTIVATION OF FIRE ALARM SYSTEM SHALL INITIATE FIRE ALARM NOTIFICATION DEVICES, RELEASE APPROPRIATE HOLD OPENS AND DOOR LOCKS AND SHALL INITIATE SHUTDOWN OF HVAC SYSTEM AS REQUIRED . REFER TO FIRE ALARM NOTES, PROJECT SPECIFICATIONS AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SEQUENCE OF OPERATION.

FIRE ALARM SYSTEM NOTES

- THE LOCATION OF THE BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE IDENTIFIED AT ALL FIRE ALARM CONTROL EQUIPMENT.
- DISCONNECTING MEANS FOR FIRE ALARM SYSTEM COMPONENTS SHALL BE IDENTIFIED WITH A RED MARKING.
- A DUCT SMOKE DETECTOR SHALL BE PROVIDED WITHIN FIVE FEET OF ALL FIRE SMOKE DAMPERS AND LOCATED PER THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- DUCT SMOKE DETECTORS SHALL BE PROVIDED IN ALL HVAC UNITS GREATER THAN 2000 CFM.
- CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS FOR DRAWINGS AND DETAILS ASSOCIATED WITH THE SHUTDOWN OF HVAC EQUIPMENT.
- ALL ELECTRICALLY LOCKED DOORS IN A REQUIRED MEANS OF EGRESS SHALL AUTOMATICALLY RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM. COORDINATE LOCATIONS WITH ARCHITECTURAL FLOOR PLANS AND DOOR SCHEDULES.
- ALL DOORS IN RATED WALLS NORMALLY HELD OPEN SHALL RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM.
- LEVEL 1 PATHWAY SURVIVABILITY IS REQUIRED FOR IN BUILDING EMERGENCY COMMUNICATIONS SYSTEMS EMPLOYING FULL EVACUATION.
- A SURVIVABLE FIRE ALARM SYSTEM MUST BE PROVIDED IN ACCORDANCE WITH NFPA 72, 23.10.2; 24.4; 24.3.6.4.1 (NFPA 101: 18.3.4.3.1; 9.6.3.6.3; NFPA 99: 15.7.4

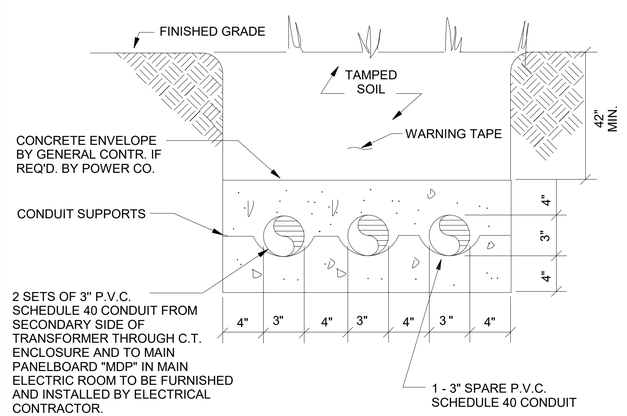
NOTES FOR FIRE ALARM SYSTEM
No Scale

12



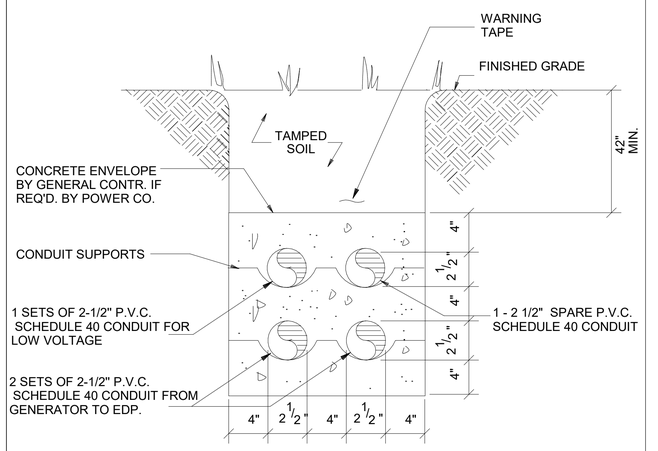
SECTION TWO CONDUIT "A" - PRIMARY FEEDER
No Scale

13



SECTION THREE CONDUIT "B" - SECONDARY FEEDER
No Scale

14



SECTION FOUR CONDUIT "C"
No Scale

15

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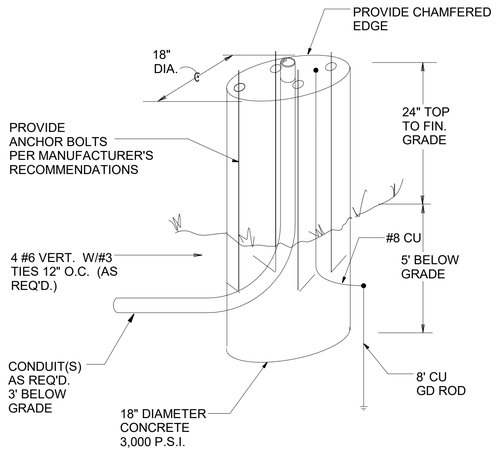
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TITLE
ELECTRICAL-DETAILS

SHEET
E703

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PARKING LOT LUMINAIREPOLE BASE DETAIL 16
No Scale

Emergency generator shall be by Cummins or Generac per HCA's generator purchasing agreement.

Contacts are as follows:

1. **Cummins**
   Brian Wallace
   Cummins Crosspoint, LLC
   9820 Bluegrass Parkway
   email: HCA@cummins.com
   HPG Contract No. 6344

HCA - EMERGENCY GENERATOR CONTACTS 17
No Scale

A. Contractors shall contact CED-Nashville or Graybar-Nashville to obtain pricing for all electrical products included in the specifications sections listed below, per HCA's purchasing agreement:

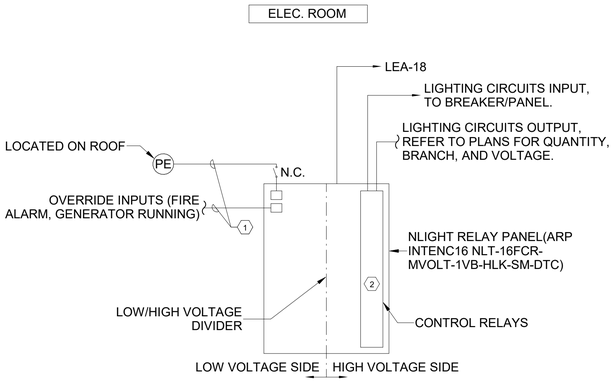
1. **Lance Smith**
   CED-Nashville
   330 19th Avenue North
   Nashville, TN 37203
   HCA@ced-nashville.com
   615-329-2601
2. **Linda Lard**
   Graybar-Nashville
   825 8th Avenue South
   Nashville, TN 37217
   HCA@graybar.com
   615-743-3208

   a. **260519 Conductors – 600 Volt and Below**
   b. **260526 Grounding and Bonding for Electrical Systems**
   c. **260529 Supporting Devices and Hangers**
   d. **260534 Raceways and Conduit Systems**
   e. **260537 Outlet Boxes**
   f. **260538 Pull and Junction Boxes**
   g. **261005 Energy and Resource Metering**
   h. **262200 Dry Type Transformers**
   i. **262413 Circuit Breaker Distribution Switchboards**
   j. **262416 Panelboards**
   k. **262726 Wiring Devices**
   l. **262818 Safety Switches**
   m. **262913 Individual Starters and Controls**
   n. **264300 Surge Protective Devices**

B. Electrical contractors must contact Graybar Electric Supply in Nashville, TN for all lighting fixture and lighting control quotations. Fixtures are to be quoted and ordered through Graybar Electric Supply Nashville - Corporate Accounts without exception.

1. **Contact:**
   Linda Lard
   Graybar Electric – Nashville, TN
   615-743-3208
   HCA@graybar.com

HCA - MATERIALS AND EQUIPMENT CONTACTS 18
No Scale



KEYNOTES:

1. REFER TO VENDOR DOCUMENT FOR INSTALLATION/CABLING REQUIREMENTS.
2. PROVIDE BARRIER(S) FOR BRANCH CIRCUIT SEPARATION IN ACCORDANCE WITH NEC 517.31(C)(1).

GENERAL:

A. RELAY PANEL TO BE EQUIPPED WITH ASTRONIMICALTIME CLOCK FOR CONTROL OF BUILDING SIGNAGE.

EXTERIOR LIGHTING CONTROLS DETAIL 19
No Scale

	SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR (A)	ACTUATE AUDIBLE ALARM SIGNAL (B)	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR (C)	ACTUATE AUDIBLE SUPERVISORY SIGNAL (D)	ACTUATE COMMON TROUBLE SIGNAL INDICATOR (E)	ACTUATE AUDIBLE TROUBLE SIGNAL (F)	ACTUATE APPROPRIATE LOCATION INDICTOR (G)	ACTUATE ALL AUDIBLE EVACUATION SIGNALS (H)	ACTUATE ALL VISIBLE EVACUATION SIGNALS (I)	DISPLAY CHANGE OF STATUS (J)	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION (K)	TRANSMIT SUPV. SIGNAL TO SUPERVISING STATION (L)	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION (M)	RELEASE MAGNETICALLY HELD SMOKE DOORS (N)	UNLOCK SECURITY DOORS (O)	RELEASE ELEVATOR FIRE DOORS (P)	MAIN FLOOR SHUNT TRIP (Q)	ALTERNATE ELEVATOR RECALL (R)	ELEVATOR HAT FLOOR FLUSH (S)	FAN SHUT DOWN (T)	DAMPER SHUT DOWN (U)	REMOTELY DISPLAY ACTIVE STATUS (V)				
		CONTROL UNIT ANNUNCIATION							NOTIFICATION						FIRE SAFETY CONTROL												
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
1	SMOKE SENSOR/DETECTOR	●	●					●		●	●	●	●				●	●						●	●	●		1
2	MANUAL PULL STATION	●	●					●		●	●	●	●													●		2
3	HEAT SENSOR/DETECTOR	●	●					●		●	●	●	●													●		3
4	DUCT SENSOR/DETECTOR AHU1			●	●			●				●		●										●		●		4
5	DUCT SENSOR/DAMPER			●	●			●				●		●											●	●		5
6	MAIN FLR ELEV. LOBBY SMOKE DETECTOR	●	●					●		●	●	●	●				●	●	●			●		●	●	●		6
7	ELEVATOR LOBBY SMOKE DETECTOR (EXC. MAIN FLR.)	●	●					●		●	●	●	●				●	●	●		●			●	●	●		7
8	ELEVATOR MECH. ROOM HEAT DETECTOR	●	●					●		●	●	●	●							●						●		8
9	ELEVATOR MECH. ROOM SMOKE DETECTOR	●	●					●		●	●	●	●				●	●			●			●	●	●		9
10	ELEVATOR SHAFT HEAT DETECTOR	●	●					●		●	●	●	●							●						●		10
11	ELEVATOR SHAFT SMOKE DETECTOR	●	●					●		●	●	●	●				●	●			●			●	●	●		11
12	ELEVATOR POWER MONITOR			●	●			●				●		●												●		12
13	WATERFLOW SWITCH	●	●					●		●	●	●	●				●	●								●		13
14	TAMPER SWITCH			●	●			●				●		●												●		14
15	GENERATOR RUNNING			●	●			●				●		●												●		15
16	GENERATOR FAULT					●	●	●				●			●											●		16
17	FIRE ALARM AC POWER FAILURE					●	●					●			●		●		●							●		17
18	FIRE ALARM SYSTEM LOW BATTERY					●	●					●			●											●		18
19	OPEN CIRCUIT OR GROUND FAULT					●	●					●			●											●		19
20	CLASS B NOTIFICATION CIRCUIT (NAC) - SHORT					●	●					●			●											●		20
21																												21
22																												22
23																												23
24																												24
25																												25
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	

FIRE ALARM SEQUENCE OF OPERATION 20
No Scale

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Firm Certificate of Authorization: CA-1276

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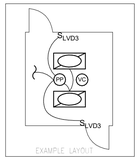
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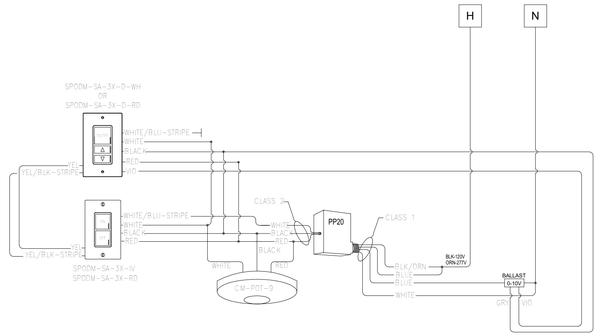
TITLE: ELECTRICAL-DETAILS

SHEET: E704

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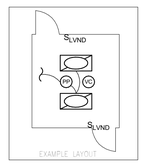
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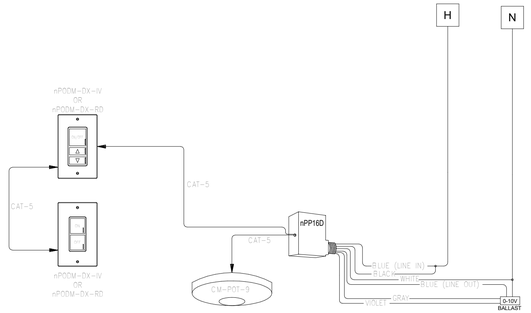




3-WAY SWITCHING - DIMMING SINGLE LOCATION W/ VACANCY SENSOR **21**

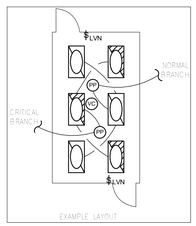
No Scale

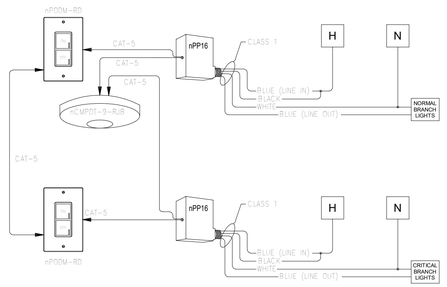




3-WAY SWITCHING - DIMMING TWO LOCATIONS W/ VACANCY SENSOR **22**

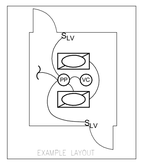
No Scale

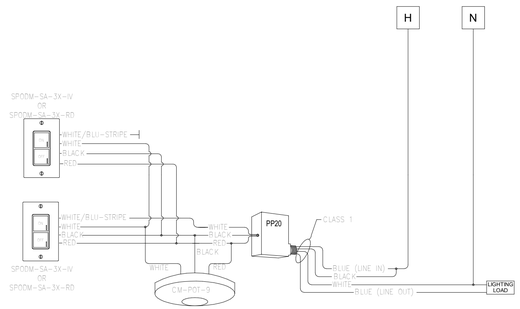




3-WAY SWITCHING - MULTIPLE BRANCH LOADS W/ VACANCY SENSOR **23**

No Scale





3-WAY SWITCHING - SINGLE BRANCH LOAD W/ VACANCY SENSOR **24**

No Scale

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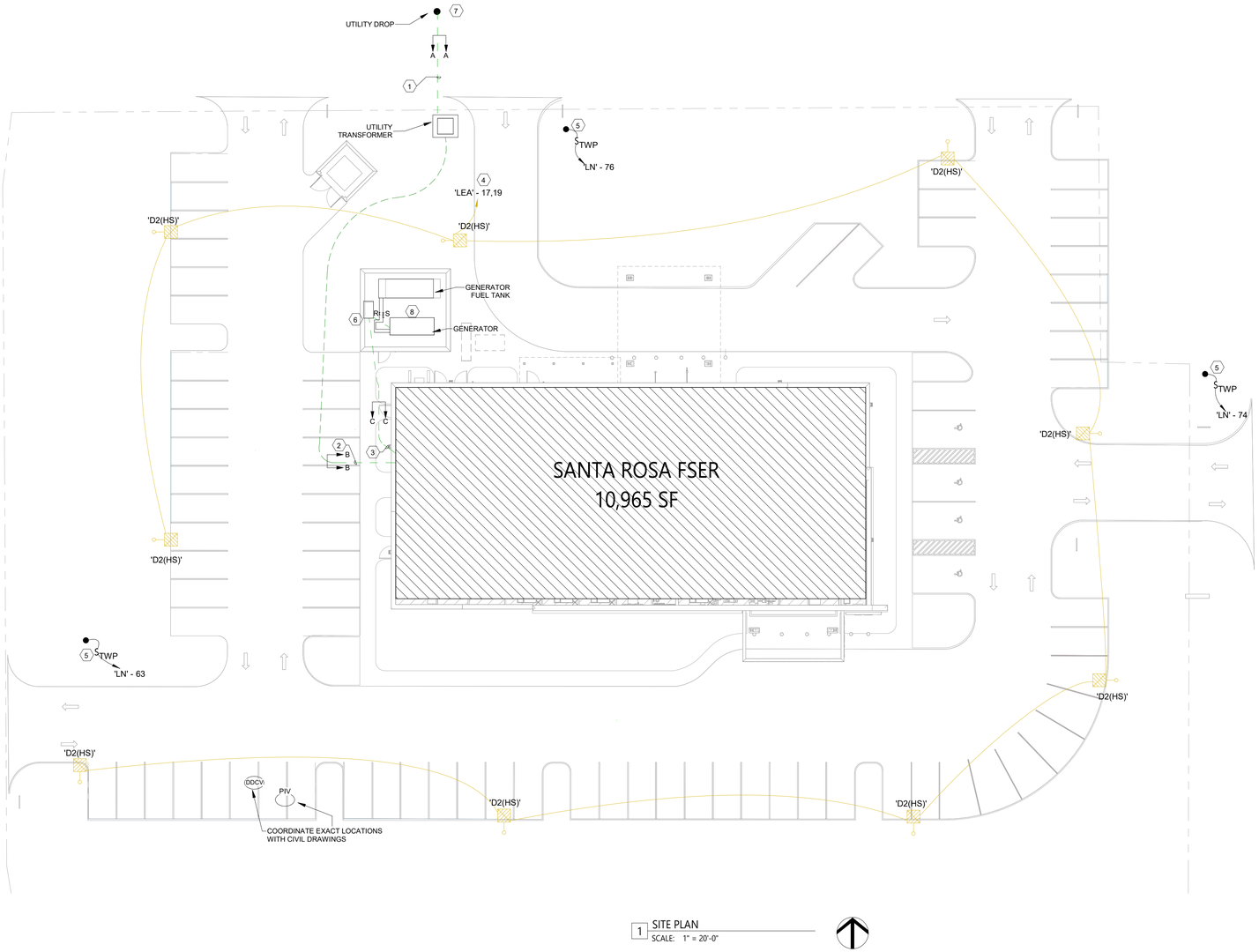
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TITLE
ELECTRICAL-DETAILS

SHEET
E705



1 SITE PLAN
SCALE: 1" = 20'-0"

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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
	◆ - ◆ - ◆	1-HR FIRE BARRIER (UL U465)
	- ◆S — ◆S -	SMOKE BARRIER (1-HR) (UL U465)
	◆ - ◆ - ◆	2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. IN ACCORDANCE WITH FBC 449.3.15.6, ALL LOW VOLTAGE SYSTEM MAIN OR BRANCH CIRCUITS ENTERING OR EXITING THE STRUCTURE SHALL HAVE SURGE SUPPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTOR FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL

KEY NOTES: ⬡

1. PRIMARY FEEDER. REFER TO CONDUIT SECTION "A" DETAIL ON SHEET E703.
2. SECONDARY FEEDER. REFER TO CONDUIT SECTION "B" DETAIL ON SHEET E703. COORDINATE WITH STRUCTURAL FOOTERS.
3. FEEDER FROM GENERATOR. REFER TO CONDUIT SECTION "C" DETAIL ON SHEET E703. COORDINATE WITH STRUCTURAL FOOTERS.
4. CIRCUIT SHALL PASS THROUGH LIGHTING CONTROL PANEL. USE 2#8, 1#8G, 3/4"C. REFER TO DETAIL 18 ON SHEET E704. CONTROLS OF LIGHTING SHALL BE OVERRIDDEN BRINGING LIGHTS TO 100% LUMINANCE UPON ACTIVATION OF GENERATOR.
5. PROVIDE 2#10, 1#12G, 1-1/2"C FOR CONNECTIONS TO ELECTRONIC SIGNAGE. PROVIDE SPARE 1-1/2"C. REFER TO SIGN VENDOR DRAWINGS FOR DETAILS.
6. DUAL PURPOSE DOCKING STATION MOUNTED ON WALL FOR TEMPORARY GENERATOR AND LOAD BANK CONNECTION. PROVIDE GAP IN CMU WALL BELOW DOCKING STATION FOR INCOMING CONDUCTORS. SEE ELECTRICAL RISER.
7. VERIFY EXACT LOCATION OF PRIMARY ELECTRICAL SERVICE TIE-IN WITH UTILITY.
8. GENERATOR FUEL STORAGE TANK IS TO BE MOUNTED STAND ALONE FROM GENERATOR WITHIN THE SCREEN WALL. COORDINATE EXACT LOCATION AND DIMENSION OF TANK, ENCLOSURE, AND FUEL DELIVERY CONNECTIONS WITH MANUFACTURER INSTALLATION DRAWINGS. PIPING SHALL BE SIZED PER UNIT CONNECTION SIZE. PROVIDE VALVES AT THE GENSET FOR SUPPLY AND RETURN LINES (CHECK AND ISOLATION ON SUPPLY; ISOLATION ON RETURN). REFER TO SPECIFICATION 263213 FOR ADDITIONAL REQUIREMENTS.

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TITLE: ELECTRICAL - SITE PLAN

SHEET: ES01

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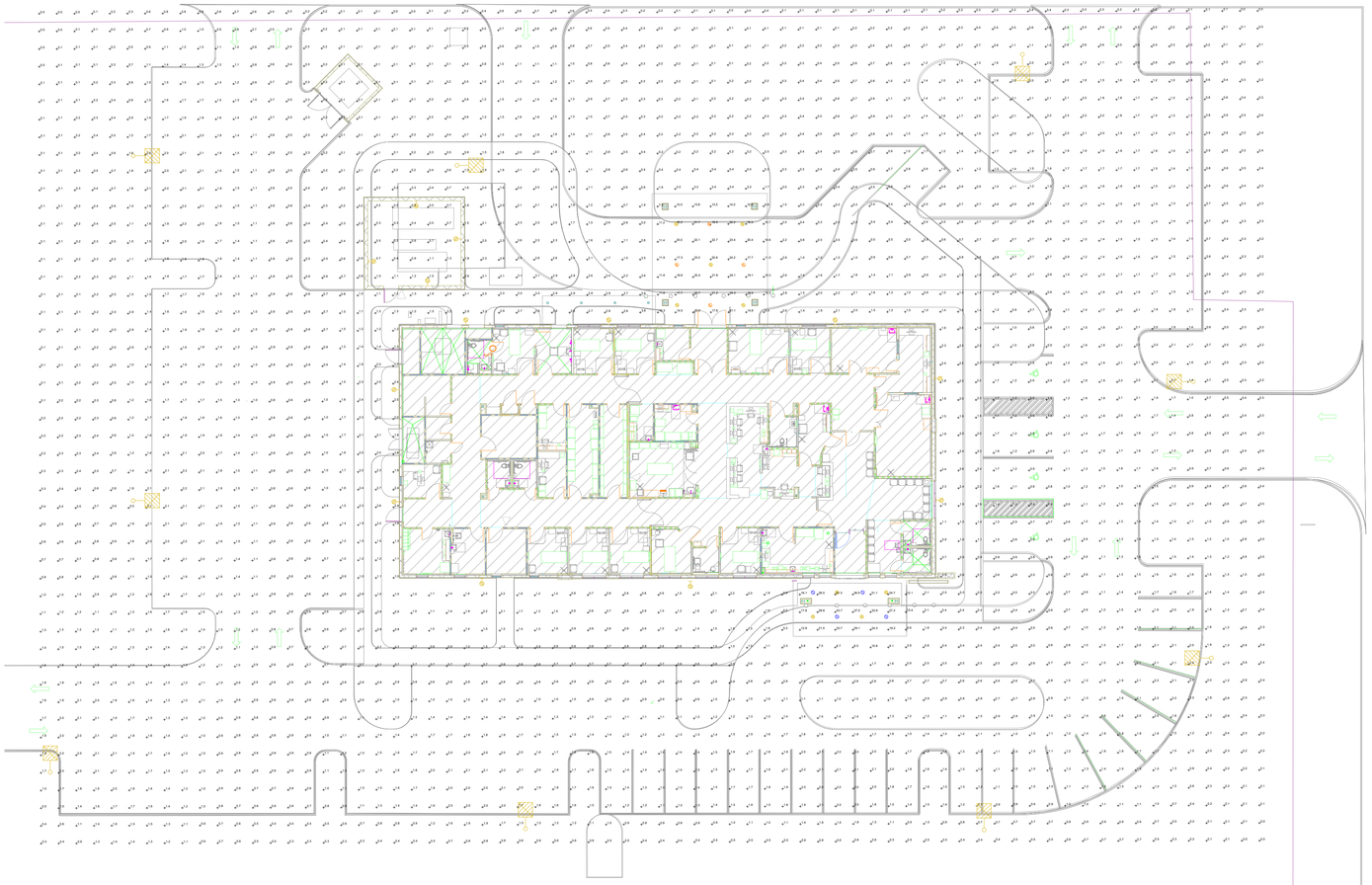
PHOTOMETRIC STATISTICS

	AVG	MAX	MIN	MAX:MIN	AVG:MIN
PARKING & DRIVES	1.3	2.3	0.2	11.5:1	6.5:1
ENTRY CANOPY	29.1	44.9	15.8	2.9:1	1.8:1
AMBULANCE CANOPY	17.9	23.5	10.2	2.3:1	1.8:1

GENERAL NOTES:

A. PLANS DESIGNED FOR CODE COMPLIANCE WITH LDC PART 6.10.00 AND IESNA OUTDOOR LIGHTING

B. PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR THE PROJECT, AN OUTDOOR LIGHTING PROFESSIONAL ENGINEER OF RECORD SHALL PROVIDE CERTIFICATION TO THE BUILDING SERVICES THAT THE LIGHTING SYSTEM AS INSTALLED COMPLIES WITH THE PROVISIONS OF THE HC LDC 6.10.01.G.



1 SITE PLAN - PHOTOMETRICS
SCALE: 1" = 20'-0"

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	— S —— S —	SMOKE PARTITION
	— ♦ - ♦ - ♦ —	1-HR FIRE BARRIER (UL U465)
	- ♦S — ♦S -	SMOKE BARRIER (1-HR) (UL U465)
	— ♦ - ♦ - ♦ —	2-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

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TITLE: ELECTRICAL - PHOTOMETRICS

SHEET: ESL

STRUCTURED CABLING LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
W	DATA OUTLET, WALL PHONE	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF
#	DATA OUTLET, TYPICAL | # = NUMBER OF CABLES	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	18"AFF
#	DATA OUTLET, ABOVE COUNTER HEIGHT | # = NUMBER OF CABLES	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	6" ABOVE COUNTER
PM (#)	DATA OUTLET, PATIENT MONITOR LOCATION | # = NUMBER OF CABLES	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF
MED (#)	DATA OUTLET, MEDICATION LOCATION | # = NUMBER OF CBLS	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	18"AFF
PROX (#)	DATA OUTLET, PROXIMITY CABINET LOCATION | # = NUMBER OF CABLES	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	69"AFF
TRK (#)	TRACKER MONITOR LOCATION | # = NUMBER OF CABLES	ARLINGTON 2-GANG BOX (TVBS505)	60"AFF
EMS (#)	DATA OUTLET, EMS RADIO | # = NUM OF CABLES SHIELDED CAT5 CABLE ROUTED TO EMS RACK	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	60"AFF
K	DATA OUTLET, KRONOS TIME CLOCK	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF
R	DATA OUTLET, RING DOWN PHONE | 1EA CAT6 CABLE	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF
	WIRELESS ACCESS POINT | 2EA CAT6 CABLES *	SINGLE PORT SURFACE MOUNT BOX	ABOVE CEILING
2(TV)	CATV LOCATION | CABLES: 1EA CAT6 & 1EA RG6 QUAD SHIELD COAXIAL	ARLINGTON 2-GANG BOX (TVBS505)	REFER ARCH ELEVATION
4(TV)	VISION 2.0 | 1-BLUE CAT6, 3-BLACK CAT6, 1-COAX, NURSE CALL CONTROL	ARLINGTON 2-GANG BOX (TVBS613)	REFER ARCH ELEVATION

*- CONTRACTOR SHALL LEAVE 25' SLACK CABLE IN CEILING FOR RELOCATION OF CABLE.

TELECOMMUNICATIONS PATHWAY LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
J J J	J- HOOK PATHWAY - SPACE J-HOOKS AT INTERVALS NO GREATER THAN 5'	ABOVE CEILING
	HILTI SPEED SLEEVE PART NUMBER CP 653 2" / CP 653 4" OR APPROVED EQUAL	ABOVE CEILING

SECURITY LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
PB	PANIC BUTTON, WIRELESS (DURESS BUTTON)	NONE	UNDERCOUNTER
C	SECURITY CAMERA, SINGLE LENS | 1ea CAT6 CABLE	SEE DETAILS	CEILING OR 80"AFF WALL
C E	SECURITY CAMERA, SINGLE LENS, EXTERNAL | 1ea CAT6 CABLE	MASONRY 2-1/2" DEEP 1-GANG	PER ARCH ELEVATIONS
C	SECURITY CAMERA, DUAL LENS (2-WAY) | 1ea CAT6 CABLE second	SEE DETAILS	CEILING OR 80"AFF WALL
C	SECURITY CAMERA, TRIPLE LENS (3-WAY) | 1ea CAT6 CABLE	SEE DETAILS	CEILING OR 80"AFF WALL
C E	SECURITY CAMERA, TRIPLE LENS (3-WAY), EXTERNAL | 1ea CAT6 CABLE	MASONRY 2-1/2" DEEP 1-GANG	PER ARCH ELEVATIONS
C	SECURITY CAMERA, QUAD LENS (4-WAY) | 1ea CAT6 CABLE	SEE DETAILS	CEILING OR 80"AFF WALL
FE	SECURITY CAMERA, FISHEYE LENS (360) | 1ea CAT6 CABLE	SEE DETAILS	CEILING OR 80"AFF WALL
ID	INTERCOM DESK UNIT WITH VIDEO	PROVIDED BY INTERCOM CONT.	COUNTER / DESK
IF	INTERCOM FLUSH MOUNT UNIT WITH VIDEO	PROVIDED BY INTERCOM CONT.	48"AFF
R	DATA OUTLET, RING DOWN PHONE | 1EA CAT6 CABLE	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF

OVERHEAD PAGING LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
S	OVERHEAD PAGING SPEAKER	NONE	CEILING
AMP	PAGING AMPLIFIER | 100 AMP	NONE	WALL MOUNTED
V	VOLUME CONTROL	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	48"AFF
DS	AUDIO MONITOR BASE | LOUROE ELECTRONICS AP-1TB OR EQUAL	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	18"AFF
SS	SPEAKER/MICROPHONE | LOUROE ELECTRONICS LTI-CF OR EQUAL	VENDOR PROVIDED	CEILING
R	DATA OUTLET, RING DOWN PHONE | 1EA CAT6 CABLE	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	46"AFF

NURSE CALL NOTES

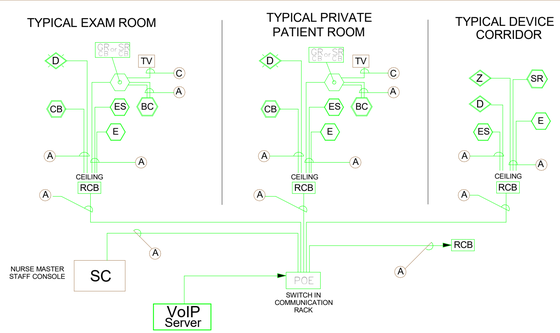
CONTRACTOR SHALL LABEL EACH END OF THE NURSE CALL CABLE TO IDENTIFY THE ASSOCIATED ROOM/SPACE AND DEVICE.

CONTRACTOR SHALL LEAVE A MINIMUM OF 18 INCHES OF SLACK FOR EACH WALL MOUNTED DEVICE, AND A MINIMUM OF 15 FEET FOR EACH CEILING MOUNTED DEVICE.

CONTRACTOR SHALL LEAVE A MINIMUM OF 25 FEET OF SLACK AT THE NURSE CALL HEADEND PANEL LOCATION.

NURSE CALL | HILLROM - VOALTE LEGEND

SYMBOL	DESCRIPTION	MFG PART #	BACKBOX	MOUNTING HEIGHT
SC	GRAPHICAL STAFF CONSOLE, DESKTOP (GSR10)	P2500NNC1A00	1-Gang GW Box - Must be Grounded	18"AFF (UNDER DESK)
BC	AUDIO STATION BED CONNECTOR (ASBC) (standalone)	P2500NNC1A00 (REV:A) P2503NNC1B00 (REV:B)	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	18"AFF
D	DOME LIGHT	P2506NNC8A00	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	Ceiling Mounted
Z	ZONE LIGHT	P2506NNC8A00	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	Ceiling Mounted
D	DOME LIGHT, SINGLE BULB	P2506NNC1B00	4" Sq Box 2 1/8 Deep w/ 2-Gang Mud Ring	Ceiling Mounted
KS	KEY SWITCH, ENABLE/DISABLE	P2514A01	4" Sq Box 2 1/8 Deep w/ 2-Gang Mud Ring	Variable
EQ	EQUIPMENT RECEPTACLE	P2516A01	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	Variable on Patient Headwall
EP	EQUIPMENT RECEPTACLE, TWO JACK	P2516A07	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	Variable on Patient Headwall
1	CODE BLUE PUSH BUTTON SWITCH	P2520A07	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	48"AFF
1	STAFF EMERGENCY PUSH BUTTON SWITCH	P2520A08	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	48"AFF
1	CODE PINK PUSH BUTTON SWITCH	P2520A09	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	48"AFF
E	EMERGENCY PULL CORD STATION, W/ CANCEL, SUPERVISED	P2520B01	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	42"AFF
ES	EMERGENCY PULL CORD STATION, W/O CANCEL, SUPERVISED	P2520B02	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	42"AFF
WC	CODE PINK SWITCH, W/O CANCEL	P2520B04	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	48"AFF
CB	CODE BLUE SWITCH, W/ CANCEL	P2520B06	4" Sq Box 2 1/8 Deep w/ 1-Gang Mud Ring	48"AFF
SR	STAFF STATION - STANDARD ROOM STATION W/O CODE (SRS)	P2594NNC1A01 (REV:A) P2594NNC1B01 (REV:B)	3-Gang Metal Box 2 1/8 Deep	54" AFF or 48" to comply w/ OSHPD and ADA
SR CB	PATIENT STATION - STANDARD ROOM STATION W/CODE (SRS)	P2594NNC1A11 (REV:A) P2594NNC1B11 (REV:B)	3-Gang Metal Box 2 1/8 Deep	54" AFF or 48" to comply w/ OSHPD and ADA
AN	GRAPHICAL ANNUNCIATOR (GRS-10) - NO HS	P2594NNC3A00	3-Gang Metal Box 2 1/8 Deep	54" AFF or 48" to comply w/ OSHPD and ADA
RCB	ROOM CONTROL BOARD (RCB) ABOVE CEILING	P2599NNC1B00	12"x12"x4" Steel Box Furnished by Hillrom	Variable
POE	POE SWITCH	P2519NNC1A24	Rack Mounts into standard 19" rack. 1 Unit	Rack Mounted
TV	TV CONTROL CABLE (INSTALLED BY CABLE CONTRACTOR)	BELDEN #5501UE		Variable
OB	OVERBED LIGHT CONTROL CABLE (INSTALLED BY CABLING CONTRACTOR)	BELDEN #5501UE		Variable



CABLE LEGEND

TYPE	DESCRIPTION	PART NUMBER
A	4 PAIR CAT 6#23AWG	BELDEN 2412005U1000
B	2 EACH #16AWG	BELDEN 5000UE
C	3 EACH #22AWG	BELDEN 5501UE

TYPICAL NURSE CALL RISER (HILLROM)
NOT TO SCALE

** REFER TO FINAL NURSE CALL VENDOR DRAWINGS FOR CABLING TYPE**

THE NURSE CALL SYSTEM SHALL COMPLY WITH UL 1069

THE NURSE CALL CONTRACTOR SHALL SUBMIT AN APPROVED CERTIFICATION FOR THE NURSE CALL/CODE BLUE SYSTEM AT THE FINAL AHCA SURVEY

LOW VOLTAGE and SYSTEMS RESPONSIBILITY MATRIX

DESCRIPTION	GC	EC	LV	TV	NC/CB	SEC	CCTV	PM
		GC	GC	Owner Vendor	Owner Vendor	GC	Owner	Owner Vendor
VOICE/DATA INFRASTRUCTURE (LV)								
Conduit Stub-Ups & Outlet Boxes		X						
Tracker Monitor Backboxes		X						
Floor Penetrations, Core Drilling, Floor Mounted Rough-in Boxes		X						
Telecommunications Grounding Busbar in TRs		X						
Busbar Connection to Building Ground		X						
Telecom Equipment and HW Connection on Busbar			X					
Paint 3/4" AC Grade Plywood in TR with Fire Retardant Paint	X							
Installtion of Plywood in TR	X							
Fire Rated Sleeves			X					
Cable Support J-Hook Tree			X					
Furnish / Install / Terminate and Testing of Voice/Data/RFID Cabling			X					
Furnish and Install DAS Cabling			X					
Furnish / Install / Terminate and Testing of Telecomm Backbone Cabling			X					
Installation of Overhead Ladder Rack in TR			X					
Installation of Racks and Cabinets for Telecomm Equip in TRs			X					
Installation of Voice/Data Cable Management			X					
Labeling and Administration of the Voice/Data Cabling Infrastructure			X					
Daily Clean-up and Overall Cleanliness of the TR			X					
Firestopping Misc Communication Room Penetrations	X							
TELEVISIONS (TV)								
Conduit Stub-Ups and Outlet Boxes w/ Dividers Where Required		X						
Installation of Wall Backing for Mounting Support	X							
AC Power Requirements for TVs		X						
Low Voltage Cabling (Interface to the Pillow Speaker)			X					
LV Cabling Termination at TV				X				
LV Cabling Termination at the Patient Station					X			
Furnish, Install, Test and Terminate CAT6 Cabling for TVs			X					
RG6 Coax Cabling			X					
RG6 Coax Termination at TR and Outlet				X				
Provision and Installation of AMPs, Taps and Splitters				X				
Furnish and Install RG11 Backbone Cabling			X					
RG11 Coax Termination in TRs				X				
Furnish Television Mounts				X				
Installation of Television Mounts - per Vendor Requirements	X							
Coaxial/Audio Patch Cords / Jumpers				X				
Provision and Installation of the TVs				X				
Provision of Remote Control Programming Device				X				
Furnish and Install and AMPs, Taps, Directional Couplers, etc to Insure Signal Strength				X				
Programming and Testing of Each Television				X				
NURSE CALL / CODE BLUE (NC)								
Conduit Stub-Ups & Outlet Boxes per Shop Drawings		X						
AC Power Requirements at Nurse Call Cabinets		X						
Furnish and Install Nurse Call Cabling			X					
Terminate and Test Nurse Call Cabling					X			
Low Voltage Cabling (Interface to the Room Light)			X					
LV Cabling Termination at Light Fixture		X						
LV Cabling Terminations at Patient Station					X			
Low Voltage Relays (Ballast Interface for Room Lights)		X						
Furnish and Install all Nurse Call Devices					X			
Test and Commission entire Nurse Call System per Code Req					X			
OVERHEAD PAGING (OV)								
Furnish and Install Paging Cabling			X					
Installation of Paging Speakers			X					
Installation of all Amplifiers, Tie into Existing System			X					
SECURITY (SC)								
Conduit Stub-Ups for Standard Outlet Boxes			X					
AC Power at Each Door			X					
AC Power in the TR for Security Use			X					
Furnish, Install, Terminate and Test all Cabling Associated with Access Control Systems						X		
Furnish and Install Electrified Hardware (Electronic Locksets and Maglocks)	X2					X4		
Furnish and Install Integrated Card Reader / Electrified Lockset	X2					X4		
Furnish and Install Card Readers, Door Releases and Door Contacts	X							
Furnish and Install Intercoms						X		
Furnish /Install/Terminate/Test Intercom Cabling						X		
Furnish and Install CCTV Cameras, Headend Equip, and Power Supplies							X	
Furnish, Install, Terminate and Test all Cabling Associated with CCTV System			X					
PATIENT MONITORING (PM)								
Conduit Stub-ups for standard Outlet Boxes		X						
Installation of Wall Backing for Mounting Support	X							
Low Voltage Cable Pathway			X					
Instal, Terminate, Test and Label Low Voltage Cabling			X					
Furnish and Install Telemetry Cable			X					
Terminate and Test Telemetry Cable								X
Furnish and Install Patient Monitors, Headend Equip and Other Misc Equipment								X
TWO-WAY RADIO COMMUNICATIONS (RC)								
Provide Propogation Study After Substantial Completion	X							
Pathways for Radio System (Incl Floor and Wall Penetrations and Conduit)	X							
Furnish and Install all Cabling Associated with Radio System	X							
Furnish and Install all Equipment Associated with Radio System	X							
Provide all Documentation/Certifications Required by the Local AHJ	X							

1-Relays / Ballasts shall be integral to the Light Fixture.
2-Door and Frame Contractor to include device pigtails as required to interface with the Access Control Vendor. Furnished wiring shall be long enough to reach the ACS junction box above door.
3-Owner Vendor shall utilize the primary pathway (J-Hook) installed under the LV contract. Owner Vendor responsible for cabling as it leaves the Primary Pathway.
4-Security Contractor shall integrate the hardware devices into the Access Control system as required to provide the requested operation.

**General
Contractor shall coordinate Access Control System with Architecural Drawings.**

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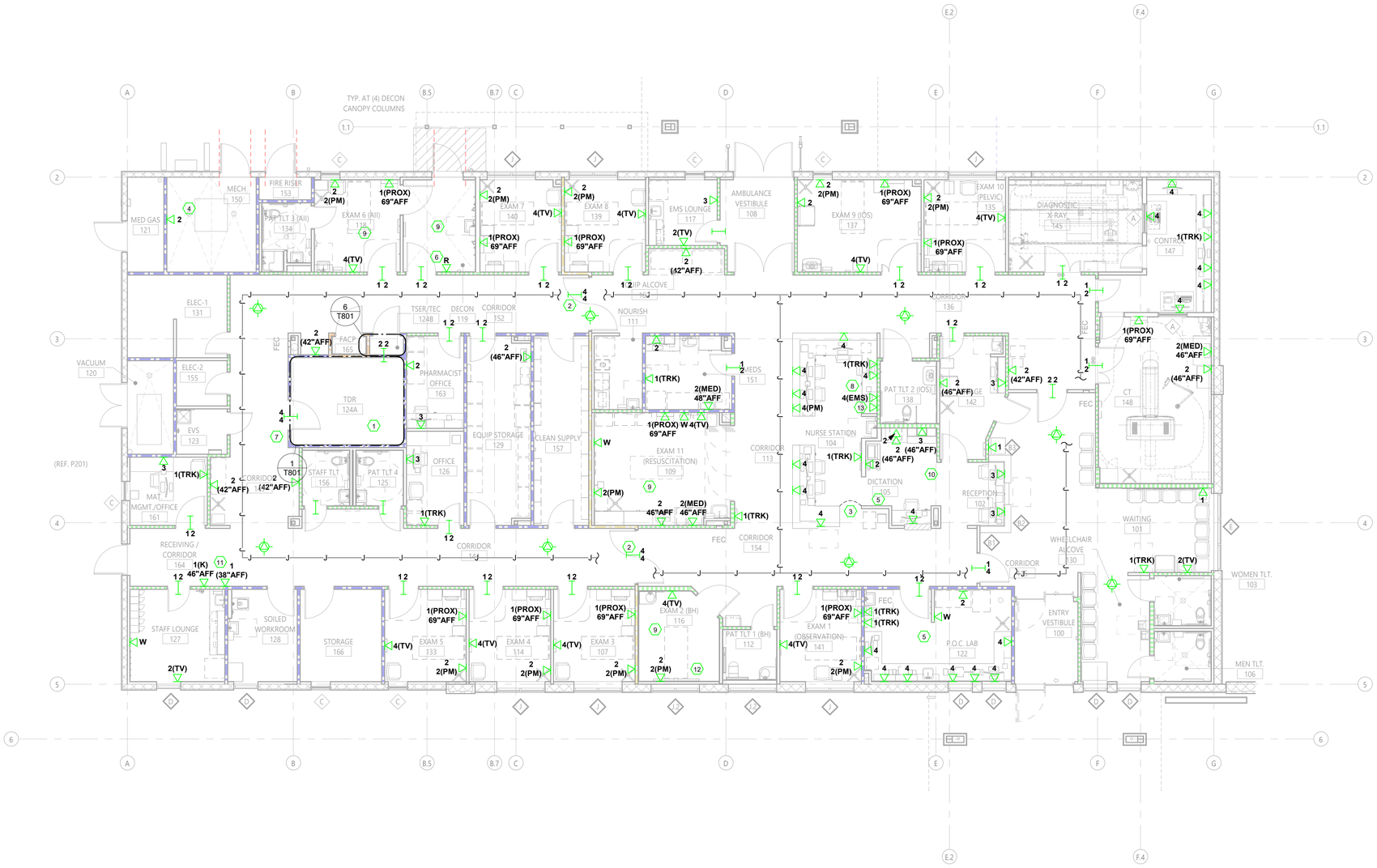
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TITLE
TELECOMMUNICATIONS - LEGENDS AND MATRIX

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1 TELECOMMUNICATIONS - FLOOR PLAN
SCALE: 1/8" = 1'-0"

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Joshua R. Cartwright, P.E. #71893

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
	◆ - ◆ - ◆	1-HR FIRE BARRIER (UL U465)
	◆S — ◆S	1-HR FIRE/SMOKE BARRIER (UL U465)
	◆◆ — ◆◆	2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. DASHED -J- LINES IN CORRIDORS INDICATE CABLE PATHWAYS.

B. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL ELEVATION DRAWINGS PRIOR TO ROUGH-IN FOR EXACT LOCATION OF ALL COMMUNICATION DEVICES.

C. AT EACH WIRELESS ACCESS POINT, CABLING CONTRACTOR SHALL LEAVE 25' OF SLACK CABLE NEATLY COILED ABOVE CEILING FOR FUTURE RELOCATION OF CABLING. CABLES SHALL TERMINATE PER PROJECT SPECIFICATIONS.

NOTES:

1. THIS ROOM IS DESIGNATED AS COMMUNICATIONS ROOM FOR THIS FLOOR / AREA.
2. CABLING CONTRACTOR SHALL INSTALL SLEEVES OF SUFFICIENT SIZE AND QUANTITY FOR PATHWAY THROUGH WALL. SLEEVES SHALL BE HILTI SPEED SLEEVE PART NUMBERS CP-653-2 AND CP-653-4 CABLING CONTRACTOR SHALL INSTALL ALL SLEEVES PER MANUFACTURER INSTRUCTIONS.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE CONDUIT ENTERING CASEWORK WITH VENDOR DRAWINGS. PROVIDE (1) 2" AND (1) 1" CONDUIT FOR PATHWAY TO MODULAR FURNITURE. CORDINATE STUB UP LOCATION WITH VENDOR DRAWINGS. CONDUIT SHALL ROUTE TO THE NEAREST WALL AND STUBBED ABOVE THE CEILING.
4. DATA CABLING FOR BAS SYSTEM. REFER TO BAS VENDOR DRAWINGS FOR FINAL LOCATION AND INSTALLATION INSTRUCTIONS.
5. CONTRACTOR SHALL PROVIDE (1) 18 AWG SIGNAL CABLE FROM THE BLOOD BANK REFRIGERATOR LOCATED IN THE LAB TO THE ALARM DISPLAY PANEL LOCATED AT THE NURSE STATION. REFER TO OFE MANUAL FOR VENDOR INSTRUCTIONS AND REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL LOCATIONS OF THE ALARM PANEL.
6. RING DOWN PHONE. CONTRACTOR SHALL ROUGH IN USING A DUAL GANG WEATHERPROOF BOX. RING DOWN DEVICE PROVIDED BY OWNER'S TELEPHONE EQUIPMENT DEPLOYMENT VENDOR.
7. ROOF PENETRATION LOCATION FOR CAT 6 CABLE. PROVIDE ONE 3" AND ONE 2" PENETRATIONS TO SUPPORT VENDOR PROVIDED CABLING. PENETRATIONS TO BE CONTINUED/ROUTED WITHIN BUILDING VIA CONDUITS TO ADJACENT TEC 124. COORDINATE FINAL ROOF PENETRATION LOCATIONS WITH VENDOR; PROVIDE PROPER MEMBRANE AND WEATHER HEAD TO MAINTAIN INTEGRITY OF ROOF.
8. EMS RADIO DATA OUTLET. CABLING CONTRACTOR SHALL PROVIDE, PULL AND TERMINATE SHIELDED CAT5E CABLES TO OUTLETS LOCATED AT NURSE STATION AREA OUTLET AND EMS RADIO RACK PLANNED IN TEC COMM SPACE. COORDINATE EMS RADIO RACK/EQUIPMENT LOCATION WITH VENDOR.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE 1" CONDUITS STUBBED OUT TO THE CORRIDOR FOR LOW-VOLTAGE OUTLETS LOCATED INSIDE ROOMS WITH HARD-LID CEILINGS.
10. ROOF PENETRATION LOCATION FOR CAT 6 CABLE. PROVIDE ONE 3" TO SUPPORT VENDOR PROVIDE CABLING. COORDINATE FINALROOF PENETRATION LOCATIONS WITH VENDOR; PROVIDE PROPER MEMBRANE AND WEATHER HEAD TO MAINTAIN INTEGRITY OF ROOF.
11. DATA FOR JUMPSTART DEVICE SHALL BE INSTALLED 8" LEFT OF AND 8" BELOW KRONOS DATA.
12. DATA OUTLETS SHALL BE INSTALLED INSIDE SECURITY CONSOLE, ALONG WITH OTHER OUTLETS ON THE HEADWALL. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT.
13. CONTRACTOR SHALL PROVIDE A 4" SQ BACKBOX WITH A 2-GANG MUDRING. PATHWAY SHALL BE A 1-1/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING FOR USE BY THE EMS RADIO VENDOR.

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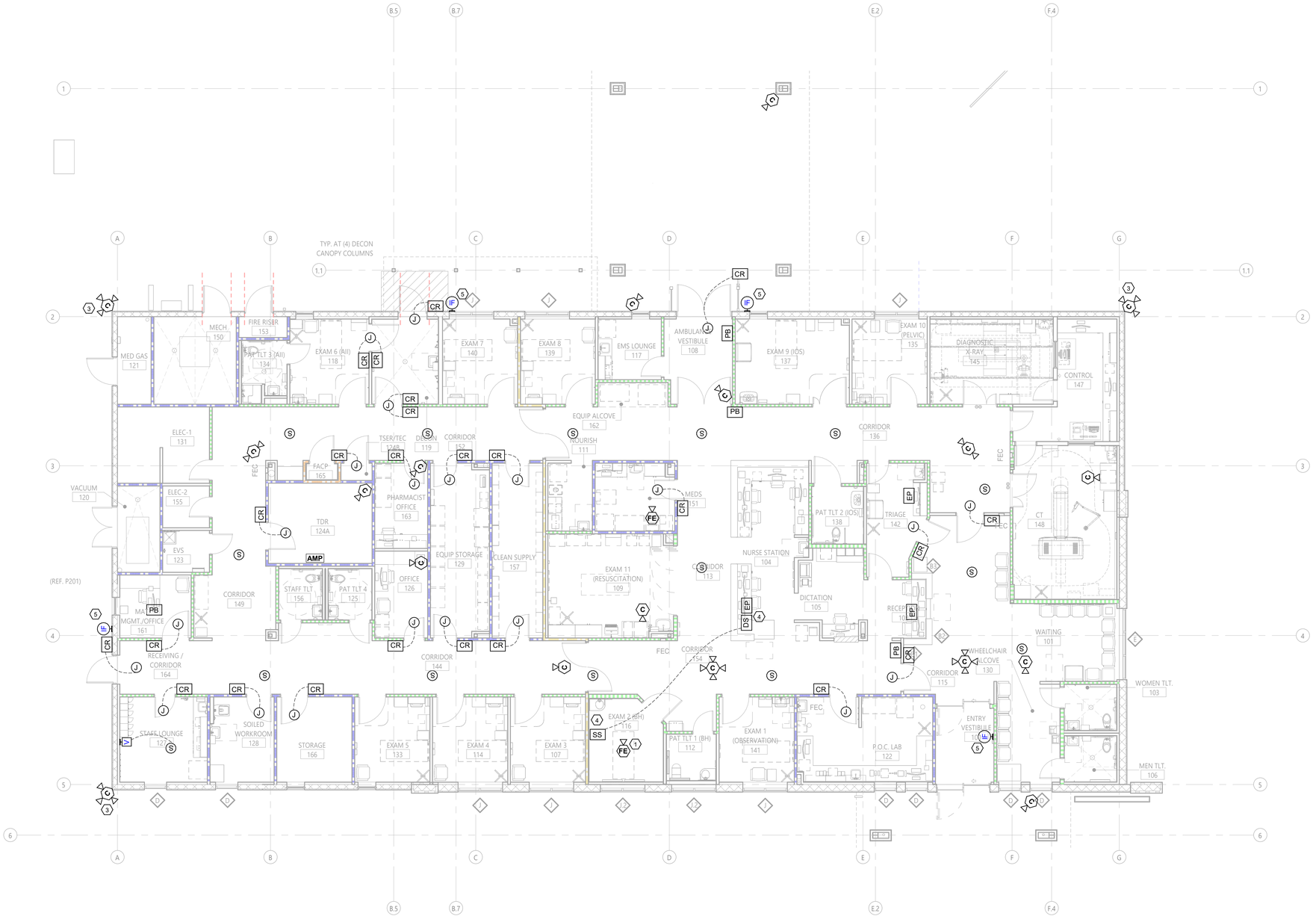
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TITLE
TELECOMMUNICATIONS - FLOOR PLAN

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1 COMMUNICATION SYSTEMS - FLOOR PLAN
SCALE: 1/8" = 1'-0"

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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
		SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		1-HR FIRE/SMOKE BARRIER (UL U465)
		2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

NOTES:

1. **THIS CAMERA REQUIRES A FLUSH MOUNT BACKBOX WITH A 1" CONDUIT OUT TO NEAREST ACCESSIBLE CEILING SPACE. REFERENCE TYPICAL INTERIOR HARD MOUNT CCTV CAMERA DETAIL.**
2. **COLUMN MOUNTED VIDEO SURVEILLANCE CAMERAS. CONTRACTOR SHALL PROVIDE ROUGH IN AT 11'.**
3. **EXTERIOR CAMERA TO BE INSTALLED VIA PENDANT MOUNT TO CORNER STYLE MOUNTING BRACKET FOR EXTENDED COVERAGE OF SITE. EXTERIOR IN-WALL ROUGH-IN FOR CAMERA TO BE LOCATED BELOW CORNER MOUNTING BRACKET AS CLOSE TO BUILDING EXTERIOR CORNER AS POSSIBLE. TO FACILITATE ROUTING DATA CABLE FROM ROUGH-IN TO CAMERA: PROVIDE EXTERIOR IP66 RATED SURFACE MOUNTED JUNCTION BOX WITH ONE 3/4" INDIVIDUAL NTP THREADED HOLE AND 3/4" WEATHERTIGHT WHIP OVER TO 3/4" NTP BUILT INTO BOTTOM OF PENDANT MOUNT. GENERAL CONTRACTOR SHALL MOUNT OWNER FURNISHED CAMERA CORNER MOUNT TO INSURE PROPER ANCHORING AND PROPER CEILING OF ANCHORING PENETRATIONS. REFERENCE "EXTERIOR, CORNER MOUNT, CAMERA DETAIL" ON SHEET T401 FOR MORE INFORMATION.**
4. **ACTIVE LISTENING SPEAKER SYSTEM (CLOSED SYSTEM) FOR BEHAVIORAL HEALTH ROOM.**
   - BASE UNIT: LOUROE ELECTRONICS AP-1TB
   - SPEAKER: LOUROE ELECTRONICS LTI-CF
5. **SEQUENCE OF OPERATION: UPON DEPRESSION OF THE CALL BUTTON ON THE VIDEO INTERCOM, THE SIGNAL SHALL ROUTE TO ANY PC THAT HAS THE SOFTWARE AND CREDENTIALS TO RESPOND TO THE INTERCOM IN ANY GIVEN SUITE OR SPACE. THE VIDEO WILL POP-UP ON THE PC FOR REVIEW BY THE STAFF. STAFF WILL UTILIZE THE JABRA MICROPHONE TO COMMUNICATE WITH THE PATIENT OR GUEST. UPON APPROVAL, STAFF SHALL UTILIZE THE SOFTKEY ON THE PC, WITHIN THE SOFTWARE, TO RELEASE THE DOOR.**

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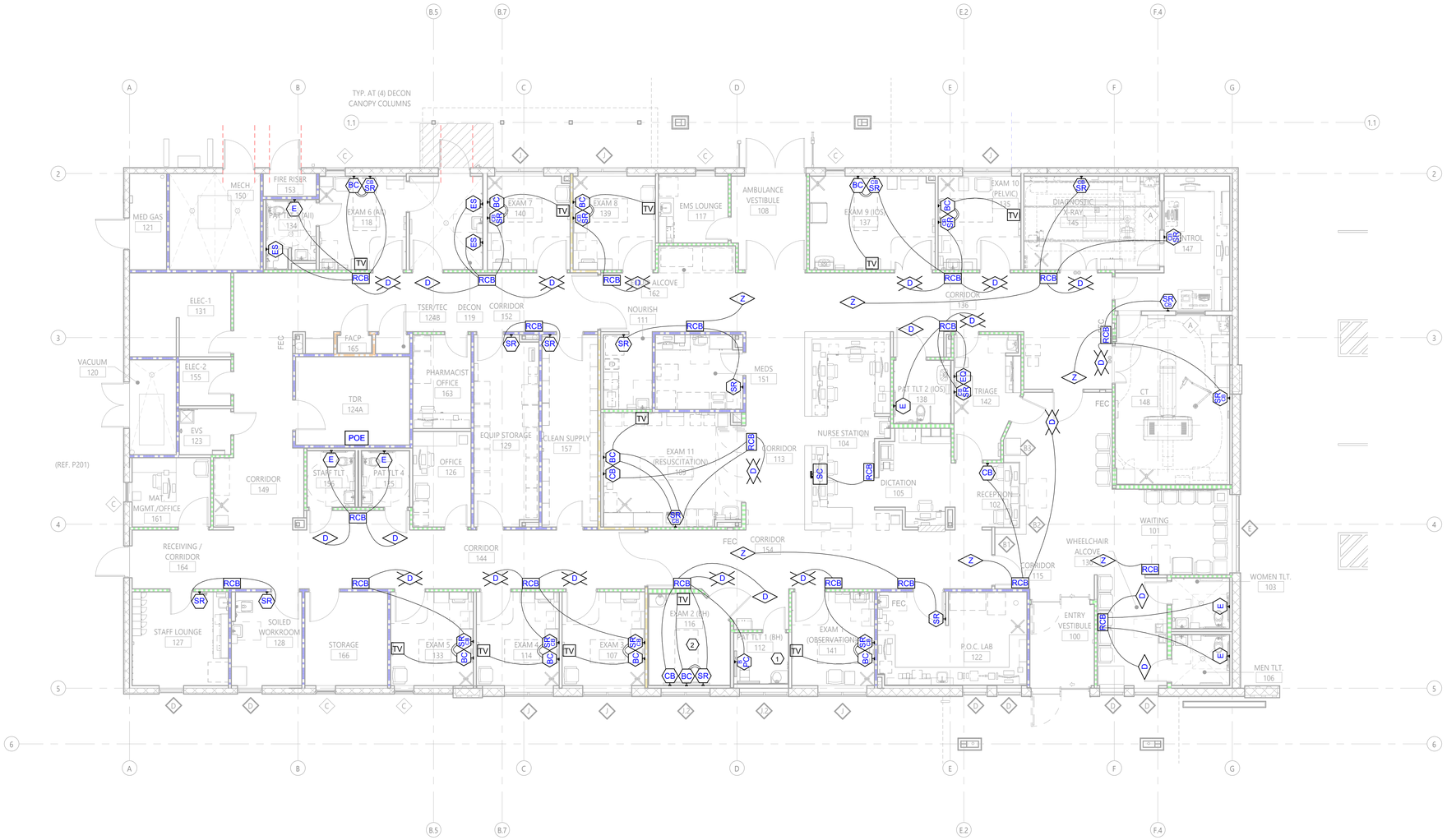
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COMMUNICATION SYSTEMS - FLOOR PLAN

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1 NURSE CALL - FLOOR PLAN
SCALE: 1/8" = 1'-0"

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PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S — S	SMOKE PARTITION
	◆ · ◆ · ◆	1-HR FIRE BARRIER (UL U465)
	◆S — ◆S	1-HR FIRE/SMOKE BARRIER (UL U465)
	◆◆ — ◆◆	2-HR FIRE BARRIER (UL U408)
		NON-RATED INTERIOR PARTITION

GENERAL NOTES:

A. BATH STATION ALARMS SHALL ONLY BE CANCELLED AT THE BATH STATION WHERE THE ALARM WAS INITIATED.

B. BATH STATION IN SHOWER STALLS AND TUBS SHALL BE LOCATED 3 TO 4 FEET ABOVE THE FLOOR, WITHIN NORMAL VIEW OF THE USER AND WITHIN REACH OF STAFF WITHOUT THE NEED TO ENTER INTO THE STALL OR TUB.

C. BATH STATIONS SHALL BE LOCATED TO THE SIDE OF THE TOILETS, WITHIN 12 INCHES OF THE FRONT OF THE TOILET BOWL AND 3 TO 4 FEET ABOVE THE FLOOR.

D. ALL NURSE CALL CABLING SHALL ORIGINATE FROM THE COMMUNICATIONS ROOM.

NOTES: ⬡

1. NURSE CALL DEVICES IN THIS ROOM SHALL BE TAMPER RESISTANT / PYSCH SAFE.
2. NURSE CALL DEVICES IN THIS ROOM SHALL BE INSTALLED INSIDE A SECURITY CONSOLE, ALONG WITH OTHER OUTLETS ON THE HEADWALL. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT.

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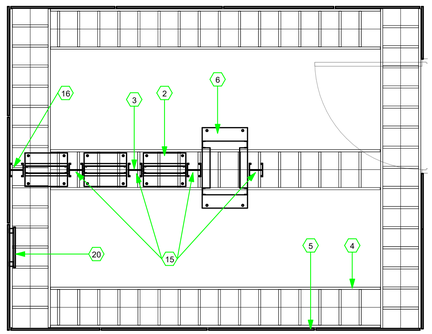
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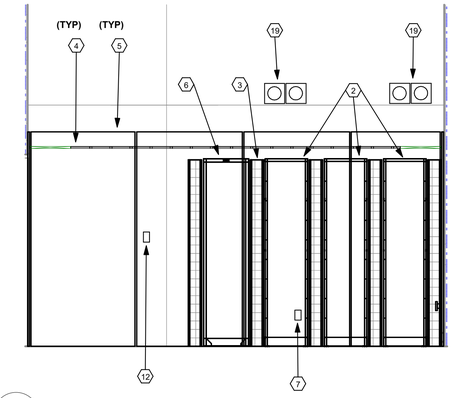
TITLE: NURSE CALL - FLOOR PLAN

SHEET: T301

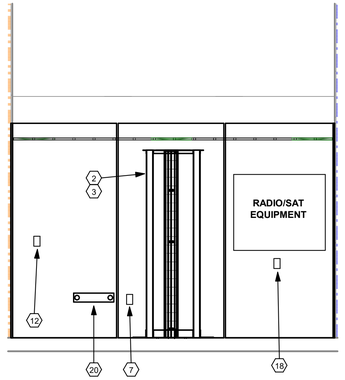
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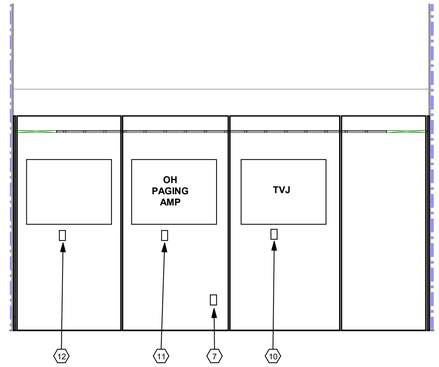
1 T101 T801 TDR 124A
3/8" = 1'-0"



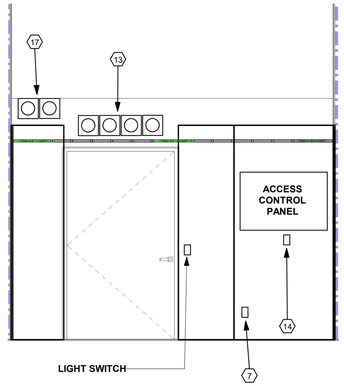
2 T801 TDR 124A - VIEW A
3/8" = 1'-0"



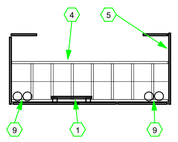
3 T801 TDR 124A -VIEW B
3/8" = 1'-0"



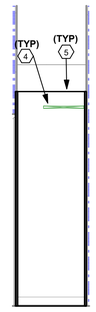
4 T801 TDR 124A - VIEW C
3/8" = 1'-0"



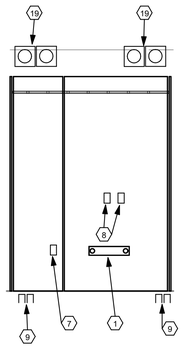
5 T801 TDR 124A - VIEW D
3/8" = 1'-0"



6 T101 T801 TSER/TEC 124B
3/8" = 1'-0"



7 T801 TSER/TEC 124B - VIEW A
3/8" = 1'-0"



8 T801 TSER/TEC 124B - VIEW B
3/8" = 1'-0"

GENERAL NOTES:

A. PRIOR TO RACK ELEVATION LAYOUT, DIVISION 27 CABLING SUBCONTRACTOR SHALL WORK WITH LOCAL IT&S TO COORDINATE EXACT LOCATION OF RACK MOUNTED EQUIPMENT, SUCH AS PATCH PANELS, HORIZONTAL WIRE MANAGEMENT, AND OWNER/VENDOR PROVIDED NETWORK EQUIPMENT.

B. ANY ELECTRICAL DEVICES, MECHANICAL EQUIPMENT, OR FIXTURES (E.G. WATER/DRAINAGE, PIPING, DUCTWORK, PNEUMATIC TUBING) NOT DIRECTLY RELATED TO THE SUPPORT OF THE COMMUNICATIONS SPACE SHALL NOT BE INSTALLED IN, PASS THROUGH, OR ENTER THE COMMUNICATIONS SPACE.

C. CONTRACTOR SHALL WORK WITH LOCAL IT&S FOR EXACT PLACEMENT OF INTERNET AND TELEPHONE SERVICE PROVIDER EQUIPMENT WITHIN THESE SPACES.

NOTES: ⬡

1. TELECOMMUNICATIONS MAIN GROUNDING BUS BAR (TMGB).
2. 7' X 19" RELAY RACK (TYP).
3. 6" VERTICAL WIRE MANAGEMENT (TYP).
4. 18" LADDER RACKING (TYP).
5. WRAP ENTIRE ROOM IN FIRE RETARDANT PLYWOOD.
6. 4 POST EQUIPMENT RACK.
7. CONVENIENCE ELECTRICAL OUTLET (NORMAL).
8. (2) 120V CRITICAL POWER DUPLEX OUTLETS.
9. CONDUITS FOR SERVICE PROVIDER CABLE PATHWAY. CONDUITS SHALL EXTEND A MINIMUM OF 3" ABOVE FINISHED FLOOR. REFER TO TELECOMMUNICATIONS SITE PLAN FOR ADDITIONAL INFORMATION.
10. (1) 120V NORMAL POWER DUPLEX OUTLET FOR TV SYSTEM POWER.
11. (1) 120V LIFE SAFETY POWER DUPLEX OUTLET FOR OVERHEAD PAGING AMP POWER.
12. (1) 120V CRITICAL POWER QUADRUPLEX OUTLET FOR FUTURE LOCAL SYSTEM REQUIREMENTS.
13. (4) 4" EZ-PATH OR HILTI SPEED SLEEVE FIRE RATED CABLE PATHWAY DEVICES.
14. (1) 120V CRITICAL POWER DUPLEX FOR ACCESS CONTROL POWER. VERIFY EXACT POWER CONNECTION REQUIRED WITH VENDOR PRIOR TO ROUGH-IN.
15. (1) L6-30R 208V DEDICATED CRITICAL CIRCUIT MOUNTED TO BACK SIDE OF OVERHEAD LADDER RUNWAY. OUTLETS TO BE CENTERED OVER VERTICAL WIRE MANAGERS. *TOTAL OF FOUR.
16. (1) 120V CRITICAL POWER DUPLEX OUTLET MOUNTED TO BACK SIDE OF OVERHEAD LADDER RUNWAY. OUTLETS TO BE CENTERED OVER VERTICAL WIRE MANAGERS. EACH DUPLEX TO BE ON DEDICATED CIRCUIT. *TOTAL OF ONE.
17. 3" AND 2" CONDUITS FROM ROOF PENETRATIONS SUPPORTING ROOF MOUNTED EMS RADIO/SATELLITE BASED SYSTEM.
18. (2) 120V CRITICAL POWER QUDRUPLEX OUTLETS FOR SUPPORT OF RADIO/ SATELLITE BASED SYSTEMS. COORDINATE LOCATION OF EQUIPMENT / EXACT POWER CONNECTIONS REQUIRED WITH VENDOR PRIOR TO ROUGH-IN.
19. (2) 4" EZ-PATH OR HILTI SPEED SLEEVE FIRE RATED CABLE PATHWAY DEVICES FOR SERVICE PROVIDER ENTRANCE RELATED CABLING.
20. TELECOMMUNICATIONS GROUNDING BUS BAR (TGB).

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ICT Project No. 2545-01865
Firm Certificate of Authorization: CA-1276

Mechanical Engineer Florida Registration
Phillip D. Barbe, P.E. #80976

Electrical Engineer Florida Registration
Joshua R. Cartwright, P.E. #71893

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1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
CONSTRUCTION DOCUMENTS

JOSHUA R. CARTWRIGHT LICENSED No. 71893 STATE OF FLORIDA PROFESSIONAL ENGINEER

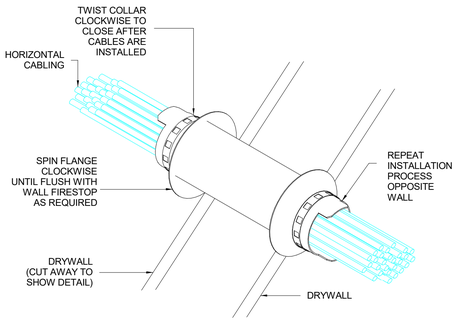
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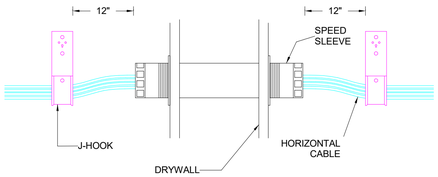
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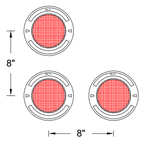
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12/18/2025
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TITLE
TELECOMMUNICATIONS - ELEVATIONS

SHEET
T801







MULTIPLE PENETRATION DETAIL

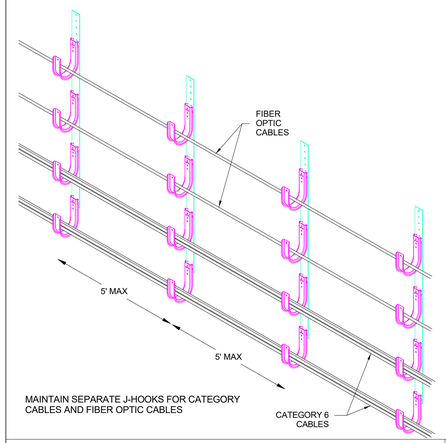
CP 653 2" SPEED SLEEVE

CP 653 4" SPEED SLEEVE

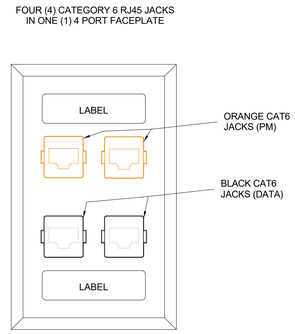
SYSTEM NO. W-J-3167 F RATING — 2 HR T RATINGS — 0, 1, 1-3/4 AND 2 HR L RATINGS AT AMBIENT — LESS THAN 1 CFM/SQ FT, 5 CFM/SQ FT AND 9 CFM/SQ FT, OR LESS THAN 1 CFM/UNIT AND 1 CFM/UNIT (SEE ITEM 2) L RATING AT 400F — LESS THAN 1 CFM/SQ FT, 1 CFM/SQ FT AND 10 CFM/SQ FT , OR LESS THAN 1 CFM/UNIT AND 1 CFM/UNIT

HILTI SPEED FIRE STOP SLEEVE PATHWAY WITH J-HOOK DETAIL — 1

No Scale

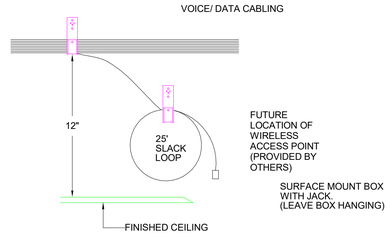


TYPICAL J-HOOK ROUTING DETAIL — 2



PATIENT MONITOR / DATA OUTLET DETAIL — 3

No Scale



TYPICAL WIRELESS ACCESS POINT DETAIL — 4

No Scale

CABLE ROUTING MATRIX

SYSTEM	CABLE COLOR	CABLE TYPE	J-HOOK LOCATION
VOICE/ DATA	BLACK	CAT 6	J-2 & J-5
CCTV	BLACK	CAT 6	J-2 & J-5
WAP	YELLOW	CAT 6A	J-1 & J-5
PHYSIOLOGICAL MONITORING	ORANGE	CAT 6	J-2 & J-5
TELEMETRY	WHITE	RG6 / RG11 / HARDLINE	J-3
CATV COAXIAL	BLACK	RG6 / RG11	J-4 & J-5
CATV DATA	BLUE	CAT 6	J-4 & J-5
NURSE CALL	GREEN	CAT 6 / MISC	J-2 & J-5
RFID / RTLS	PURPLE	CAT 5E / CAT 6 / MISC	J-3
INFANT ABDUCTION	WHITE	CAT 5E / CAT 6 / MISC	J-3
WONDERING SYSTEM	WHITE	CAT 5E / CAT 6 / MISC	J-3
OVERHEAD PAGING	GREY	AUDIO	J-3
EMS RADIO	WHITE / BLACK	CAT 5 / COAXIAL	J-3
BAS	WHITE /GREY	MISC	J-3
INTERCOM	GREY	MISC	J-4
ELECTRONIC ACCESS CONTROL	WHITE	MISC	J-4
DATA FIBER BACKBONE	YELLLOW	MULTI - STRAND FIBER	J-1
DATA COPPER BACKBONE	YELLOW	MULTI - PAIR COPPER	J-1

CABLE SUPPORT MATRIX

SUPPORT	CABLE SUPPORT DESCRIPTION
J-1	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK, OR STRAP, STYLE SUPPORT EITHER WALL MOUNTED OR SUPPORTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED BASED ON PRESENT NEED PLUS 30% FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS NOTED.
J-2	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK, OR STRAP, STYLE SUPPORT EITHER WALL MOUNTED OR SUPPORTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED BASED ON PRESENT NEED PLUS 30% FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS NOTED.
J-3	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK, OR STRAP, STYLE SUPPORT EITHER WALL MOUNTED OR SUPPORTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED BASED ON PRESENT NEED WITH NO FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS NOTED.
J-4	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK, OR STRAP, STYLE SUPPORT EITHER WALL MOUNTED OR SUPPORTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED BASED ON PRESENT NEED PLUS 30% FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS NOTED.
J-5	J-HOOK, OR STRAP, STYLE SUPPORTS USED TO ROUTE CABLING FROM MAIN CABLE PATHWAYS WITHIN CORRIDORS TO OUTLET LOCATION WITHIN ROOMS. UNLESS OTHERWISE NOTED, THE HOOK MAY SUPPORT ALL LOW-VOLTAGE CABLING BEING ROUTED INTO THE ROOM.

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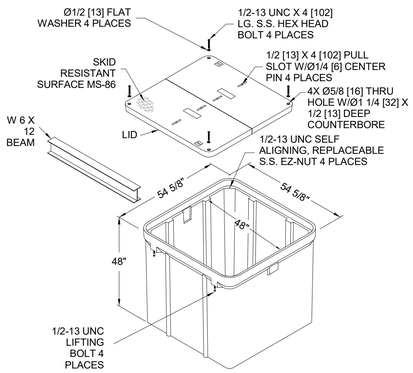
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TITLE TELECOMMUNCIATIONS - CABLING DETAILS

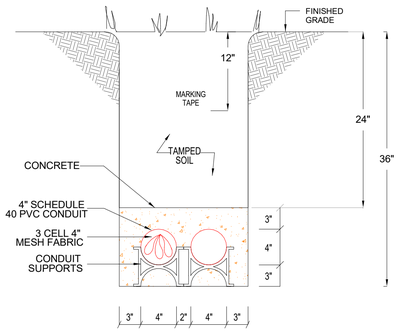
SHEET T901



48"x48"x48" HANDHOLE DETAIL

No Scale

1



SECTION "A" - "A" 2 WAY DUCT BANK DETAIL

No Scale

2

GENERAL NOTES:

A. SURGE SUPRESSION PROTECTIONS SHALL BE PROVIDED FOR ALL LOW-VOLTAGE CABLING ENTERING AND EXITING THE BUILDING.

B. CONDUITS SHALL BE ENCASED IN CONCRETE WHEN ROUTED THROUGH AN AREA USED FOR VEHICULAR TRAFFIC.

C. WARNING TAPE AND TRACER WIRE SHALL BE INSTALLED ABOVE DUCT BANK.

D. DUCT BANK SHALL SLOPE AWAY FROM THE BUILDING TO PREVENT WATER INFILTRATION.

E. BETWEEN PULL BOXES, THERE SHALL BE NO SINGLE BEND GREATER THAN 90 DEGREES OR AN AGGREGATE OF BENDS IN EXCESS OF 180 DEGREES.

F. CONDUITS SHALL CONTAIN NO CONTINUOUS SECTIONS LONGER THAN 200'.

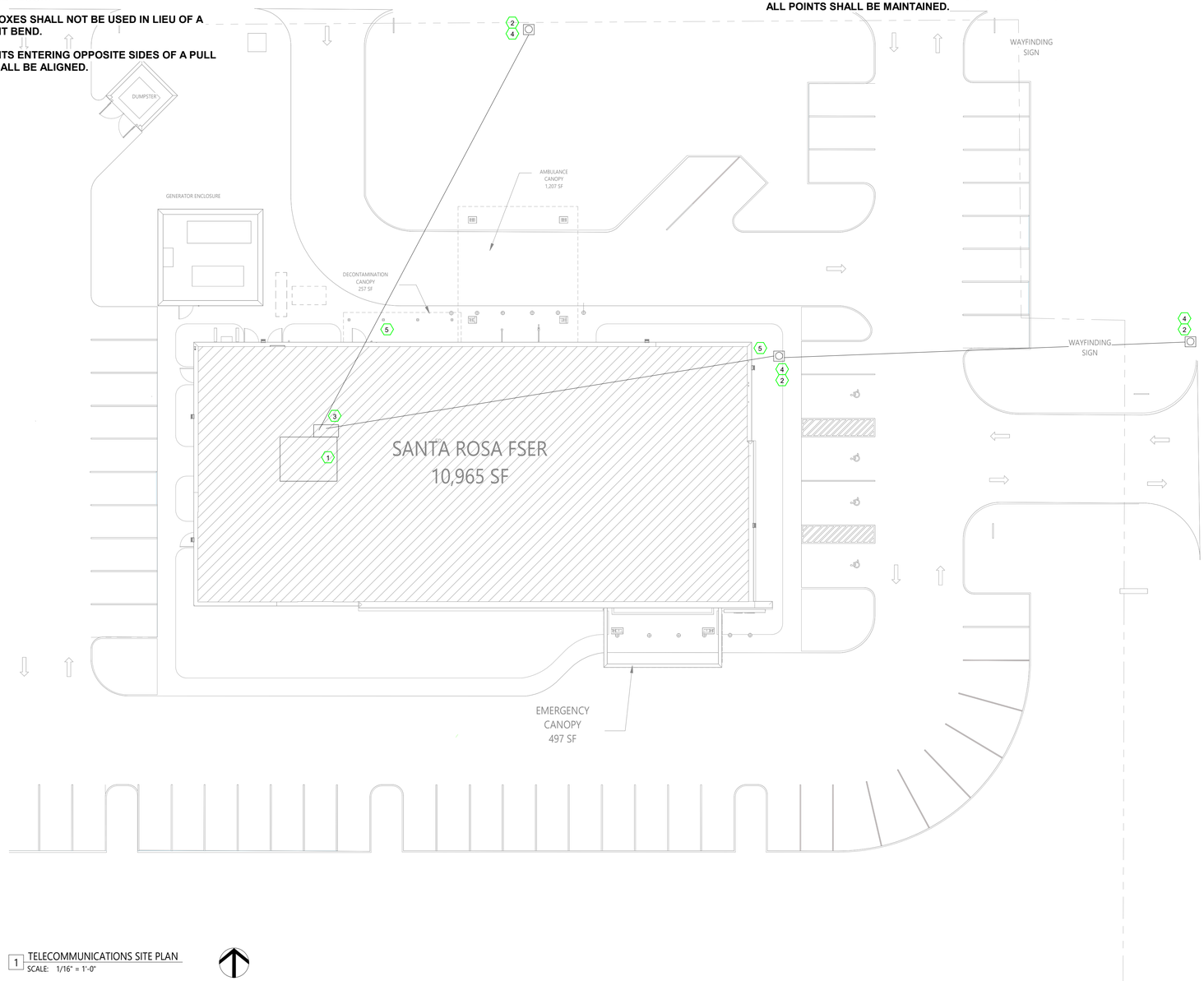
G. CONDUITS PENETRATING THE STRUCTURAL FLOOR SHALL EXTEND A MINIMUM OF 3"ABOVE THE FINISHED FLOOR.

H. PULL BOXES SHALL NOT BE USED IN LIEU OF A CONDUIT BEND.

J. CONDUITS ENTERING OPPOSITE SIDES OF A PULL BOX SHALL BE ALIGNED.

KEY NOTES: ⬡

1. APPROXIMATE LOCATION OF TECHNOLOGY DISTRIBUTION ROOM (TDR). PRIOR TO FINAL FIRE INSPECTION, CONTRACTOR TO PERFORM TEST TO VERIFY MINIMUM RADIO SIGNAL STRENGTH COVERAGE AND INBOUND/OUTBOUND DIGITAL AUDIO QUALITY (DAQ) OF THE PUBLIC SAFETY COMMUNICATION SYSTEM FREQUENCIES WITHIN THE NEW BUILDING MEET NFPA 1 AND 1221 AND SUBMIT TO STATE FIRE MARSHAL FOR APPROVAL. IF APPROVAL IS DENIED, PROVIDE RADIO ENHANCEMENT SYSTEM TO MEET RADIO STRENGTH AND DAQ REQUIREMENTS.
2. HANDHOLE. SEE DETAIL ON THIS SHEET.
3. APPROXIMATE LOCATION OF TELECOMMUNICATIONS SERVICE ENTRANCE/TECHNOLOGY EQUIPMENT CENTER ROOM (TEC). COORDINATE SERVICE ENTRANCE REQUIREMENTS WITH SERVICE PROVIDER.
4. COORDINATE EXACT SERVICE ORIGINATION POINT WITH SERVICE PROVIDER. UNDERGROUND PATHWAYS SHOWN ON THIS SHEET COVER GENERAL SCOPE REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE EXACT ROUTING AND FINAL CONNECTION POINTS WITH TELECOMMUNICATIONS SERVICE PROVIDER AND OWNER.
5. THERE SHALL BE TWO SEPARATE UNDERGROUND DUCT BANKS WITH TWO DIVERSE PATHWAYS INTO BUILDING. TWO PATHWAYS SHALL NOT SHARE A TRENCH. A MINIMUM SEPARATION OF 10' AT ALL POINTS SHALL BE MAINTAINED.



1 TELECOMMUNICATIONS SITE PLAN

SCALE: 1/16" = 1'-0"

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TITLE: TELECOMMUNICATIONS - SITE PLAN

SHEET TS01

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REV	DATE	MODIFICATIONS
A	03/Nov/2025	Final (DC-499460)

HCA Santa Rosa FSER
Fort Walton Beach, FL
United States of America

01 - C1 - Cover Sheet
02 - C2 - Disclaimer - Site Readiness Checklist
03 - A1 - General Notes
04 - A2 - Equipment Layout
05 - A3 - Radiation Protection
06 - A4 - Radiation Protection Details
07 - A5 - Equipment Dimensions (1)
08 - A6 - Equipment Dimensions (2)
09 - A7 - Delivery
10 - S1 - Structural Notes
11 - S2 - Structural Layout
12 - S3 - Structural Details (1)
13 - M1 - HVAC
14 - E1 - Electrical Notes
15 - E2 - Electrical Layout
16 - E3 - Electrical Elevations
17 - E4 - Power Requirements
18 - E5 - Electrical Details - Interconnect

A mandatory component of this drawing set is the GE HealthCare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation.
Pre Installation documents for GE HealthCare products can be accessed on the web at: *https://www.gehealthcare.com/support/manuals*

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GE HealthCare

Joseph West
770-710-2731
Joseph.west@gehealthcare.com

REVOLUTION MAXIMA
FINAL STUDY

Drawn by	Verified by	Concession	GON/Quote	PIM Manual	Rev
KGK	KGK	-	2012210549.2	5809942-1EN	8

Format	Scale	File Name	Date	Sheet
A3	1/4"=1'-0"	CT-M476056-FIN-00-A.DWG	03/Nov/2025	01/18

DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed.
- The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables.
- If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted.
- The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the customer's responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

- It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the delivery and installation date.
- Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a way that the loads of the installed system can be securely borne and transferred. The layout of additional structural elements, dimensioning and the selection of appropriate installation methods are the sole responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the ceiling, floor or walls are the customer's responsibility.

RADIO-PROTECTION

- Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.		
DATE	**NAME**	**SIGNATURE**

CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION	
Description	**Document Number***
Product specific Pre-installation Manual	Refer to cover page
*documents can be accessed in multiple languages at *https://www.gehealthcare.com/support/manuals*	

- A mandatory component of this drawing set is the GE HealthCare Pre-installation manual. Failure to reference the Pre-installation manual will result in incomplete documentation required for site design and preparation.

- The items on the GE HealthCare Site Readiness Checklists listed below are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.

REQUIRED SITE-READINESS CHECKLISTS FOR SYSTEM PRE-INSTALLATION	
Modality	**Document Number***
Computerized Tomography	DOC2949059
Radiology, Radiology and Fluouroscopy, Mammography, Bone Mass Densitometry	DOC2949063
All modality Customer/Contractor Worksheet	DOC2949068
*documents can be accessed in multiple languages at *https://www.gehealthcare.com/support/manuals*	

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE HealthCare installation project manager prior to making changes.

- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE HealthCare installation project manager can supply a reference list of rigging contractors.

- New construction requires the following;
  1. Secure area for equipment,
  2. Power for drills and other test equipment,
  3. Restrooms.

- Provide for refuse removal and disposal (e.g. crates, cartons, packing)

- For CT systems it is required to minimize vibrations within the scan room. It is the customer's responsibility to contract a vibration consultant/engineer to implement site design modifications to meet the GE vibration specification. Refer to the system Pre-installation manual for vibration specifications.

ENVIRONMENT

ALTITUDE

- The system shall meet all functional and performance specifications when placed in a room that is at an elevation of -150 m to 2,400 m [-492 ft to 7,875 ft] above sea level. For different altitudes refer to the PIM.

MAGNETIC FIELD SPECIFICATIONS

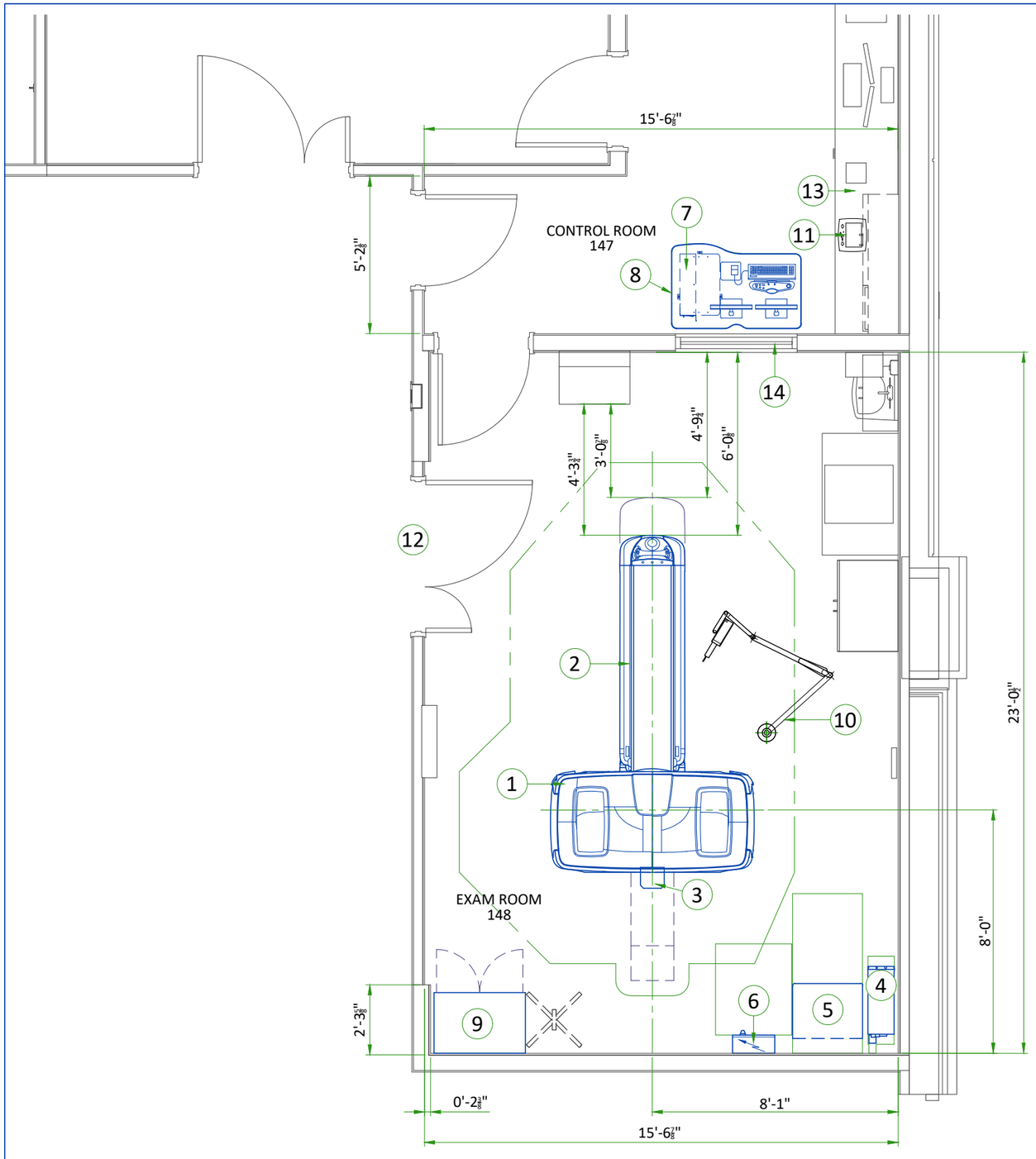
- Limit the magnetic interference to guarantee specified imaging performance.

GANTRY:
- Ambient static magnetic fields less than 1 Gauss.
- Ambient AC magnetic fields less than 0.01 Gauss peak.

OPERATOR CONSOLE:
- Ambient static magnetic fields less than 10 Gauss.

SYSTEM COMPONENT NOISE LEVEL

- **Maximum Gantry Audible Noise Level:** The maximum ambient noise level is produced by the gantry during a CT scan acquisition. It is less than 70 dBA when measured at a distance of 1 m [3.3 ft] from the nearest gantry surface, in any direction.
- **Maximum Console Audible Noise Level:** The maximum ambient noise levels is less than or equal to 54 dBA when measured 1 m [3.3 ft] up and 1 m [3.3 ft] away from the console at an ambient temperature of 26°C [79°F].



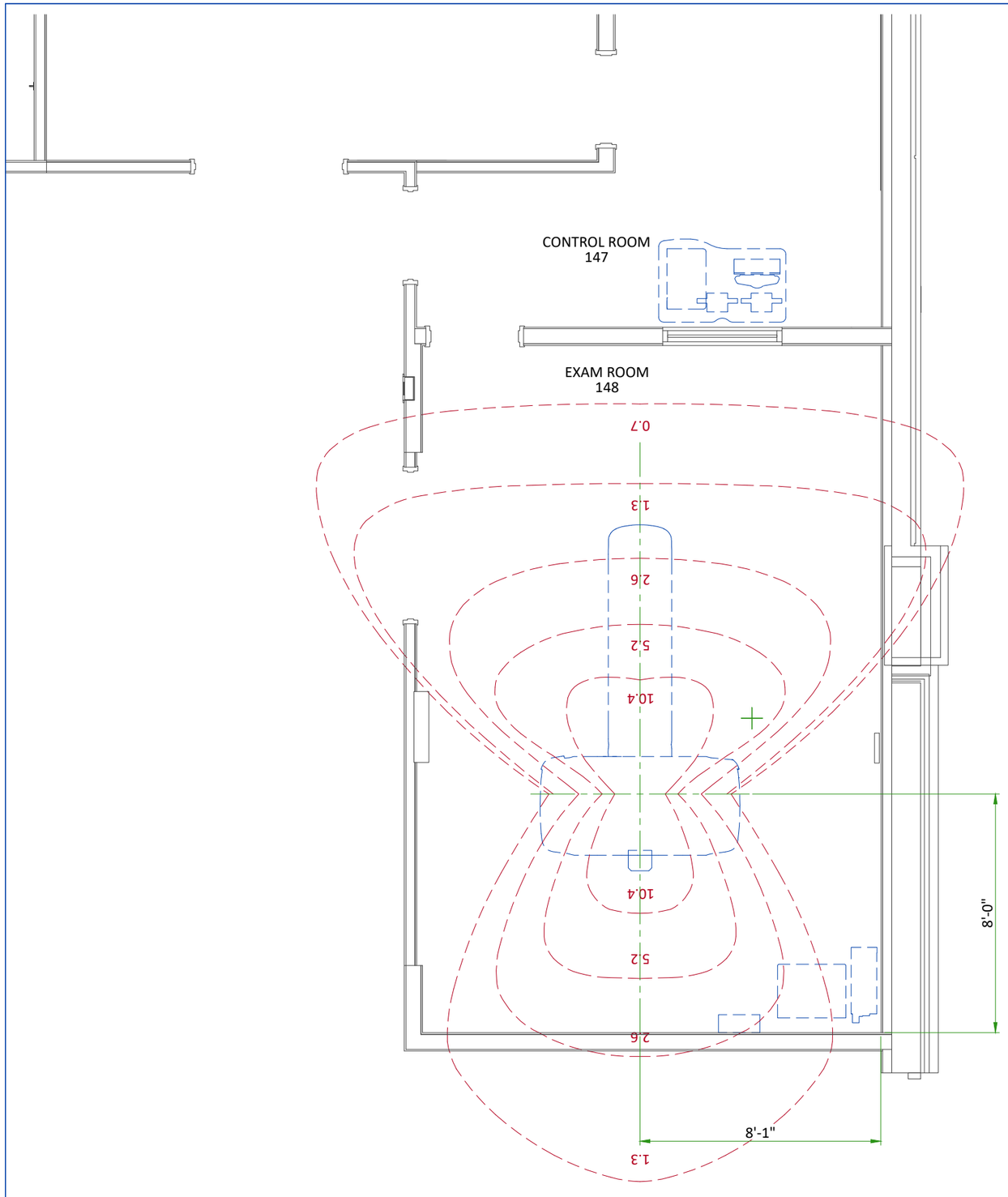
LEGEND

A	GE SUPPLIED	D	AVAILABLE FROM GE
B	GE SUPPLIED/CONTRACTOR INSTALLED	E	EQUIPMENT EXISTING IN ROOM
C	CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED	*	ITEM TO BE REINSTALLED FROM ANOTHER SITE

BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (BTU/h)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	GANTRY	18698	3435	5480	1558
A	2	GT1700V TABLE	1024	981	300	445
A	3	REAR CABLE COVER	-	-	-	-
A	4	PARTIAL UPS	2832	265	830	120
A	5	POWER DISTRIBUTION UNIT (PDU)	3412	816	1000	370
B	6	MAIN DISCONNECT PANEL (MDP)	-	46	-	21
A	7	OPEN CONSOLE	3207	139	940	63.1
A	8	AURORA SWS TABLE	-	88	-	40
A	9	GE STORAGE CABINET	-	150	-	68
C	10	INJECTOR ON CEILING	-	-	-	-
C	11	INJECTOR CONTROL	-	-	-	-
C	12	MINIMUM OPENING FOR EQUIPMENT DELIVERY IS 1118 mm x 2108 mm [44 in x 83 in], CONTINGENT ON A 2438 mm [96 in] CORRIDOR WIDTH				
C	13	COUNTER TOP FOR EQUIPMENT- PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE CABLES				
C	14	LEAD GLASS WINDOW				

EXAM ROOM HEIGHT

FINISHED FLOOR TO SLAB HEIGHT	TBD
FALSE CEILING HEIGHT	9'-6"



RADIATION PROTECTION LAYOUT

SHIELDING REQUIREMENTS SCALING	
CHANGED PARAMETER (mAs)	**MULTIPLICATION FACTOR (new mAs/100)**
80 kV	0.24
100 kV	0.45
120 kV	0.71
140 kV	1.00
1 mm aperture	0.20
3 mm aperture	0.22
5 mm aperture	0.27
10 mm aperture	0.38
15 mm aperture	0.48
20 mm aperture	0.59
30 mm aperture	0.79
40 mm aperture	1.00

SHIELDING REQUIREMENTS:

Engage a qualified radiological health physicist to review your scan room shielding requirements, taking into consideration:

- Scatter radiation levels within the scanning room
- Equipment placement.
- Weekly projected work-loads (number of patients/day technique (kvp*ma))
- Materials used for construction of walls, floors, ceiling, doors, and windows.
- Activities in surrounding scan room areas.
- Equipment in surrounding scan room areas (e.g., film developer, film storage)
- Room size and equipment placement within the room relative to room size.

The Illustrations on this page depict measured radiation levels within the scanning room, while scanning a 32 cm CTDI phantom with the technique shown:

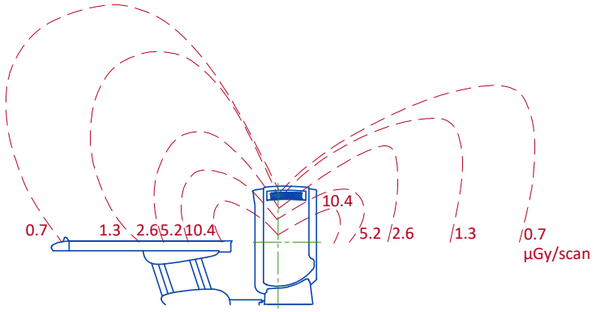
- 140 kV
- 100 mA
- 1 sec
- 40 mm

Use the mAs, kV and aperture scaling factors in the table shown here to adjust exposure levels to the scan technique used at the site.

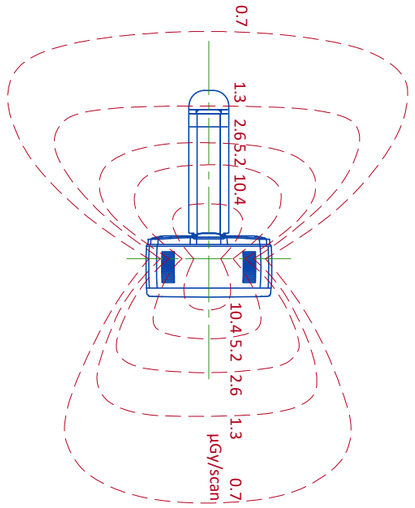
NOTE: Actual measurements can vary. Expected deviations equals ±15%, expect for the 5 mA and 1 mm techniques, where variations may be greater (up to a factor of 2), due to the inherent deviation in small values. The maximum deviation anticipated for tube output equals ±40%.

RADIATION SCATTER - HEAD PHANTOM

NOTE: 140 kV
100 mAs/scan
1 sec
40mm aperture



Elevation

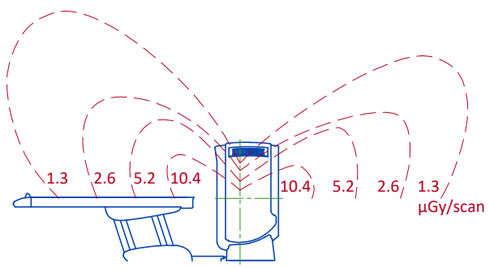


Plan View

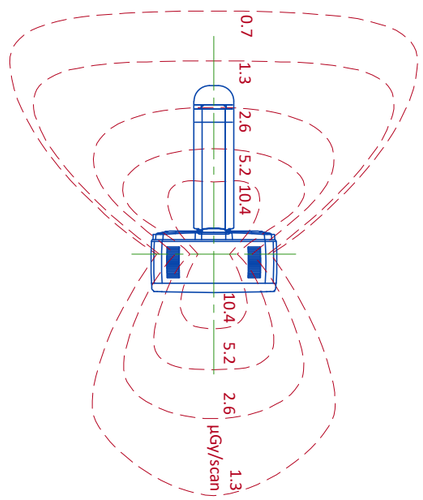
APPROX.
0" 50"
0.5 1.0m

RADIATION SCATTER - BODY PHANTOM

NOTE: 140 kV
100 mAs/scan
1 sec
40mm aperture



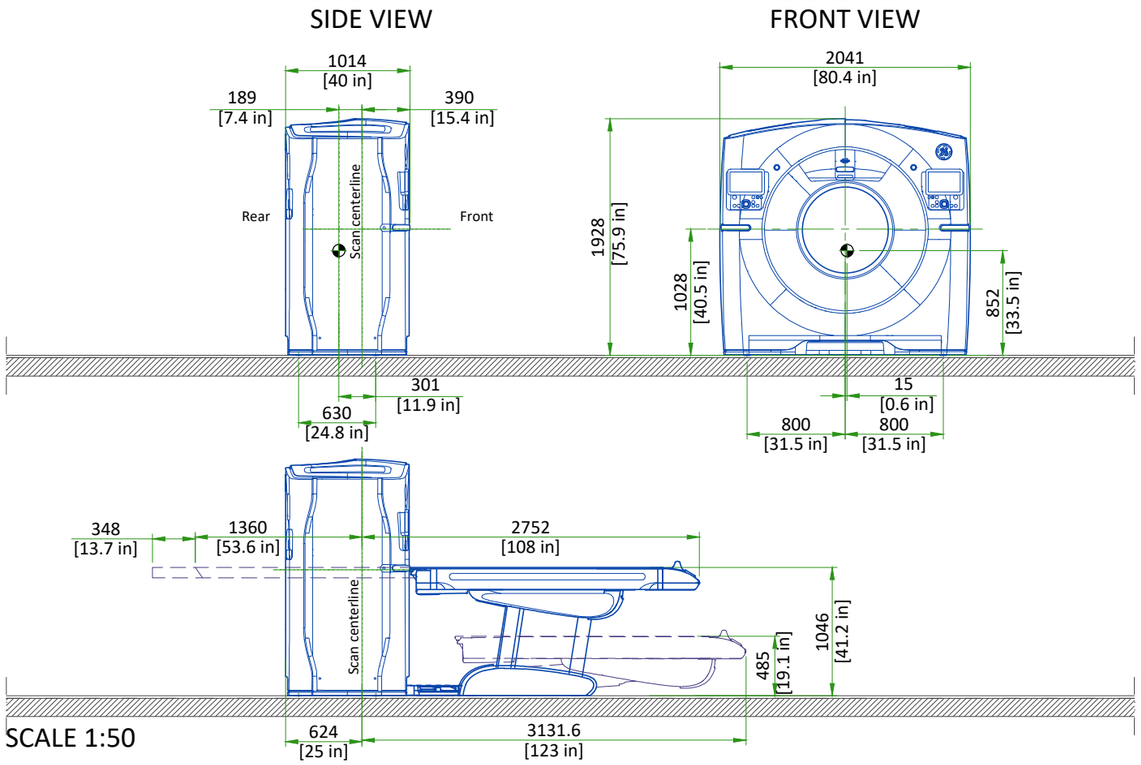
Elevation



Plan View

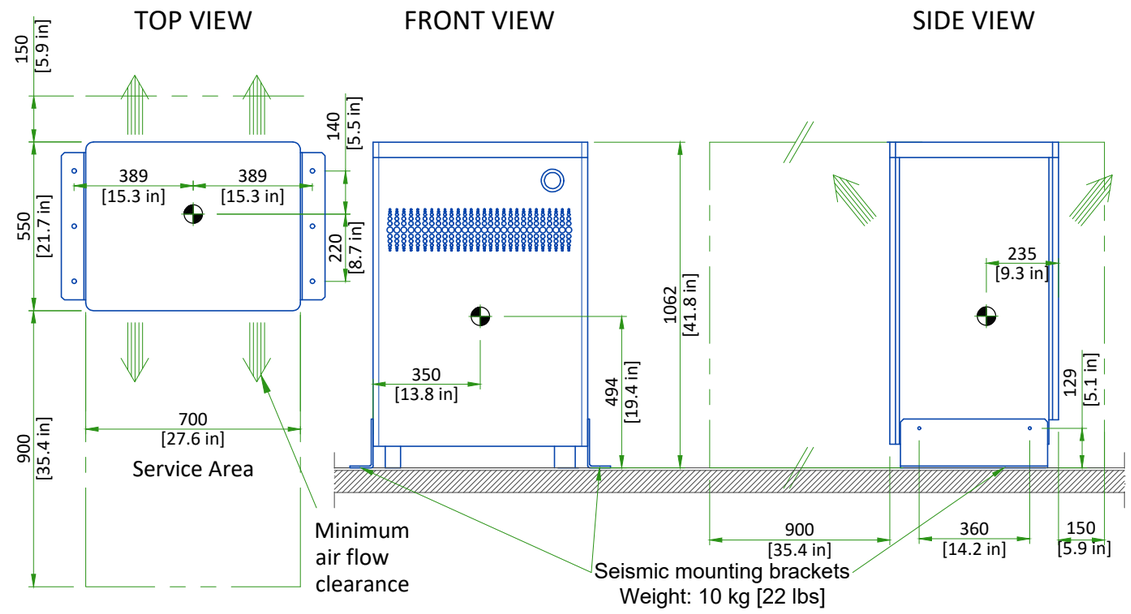
APPROX.
0" 50"
0.5 1.0m

GANTRY WITH GT1700V TABLE



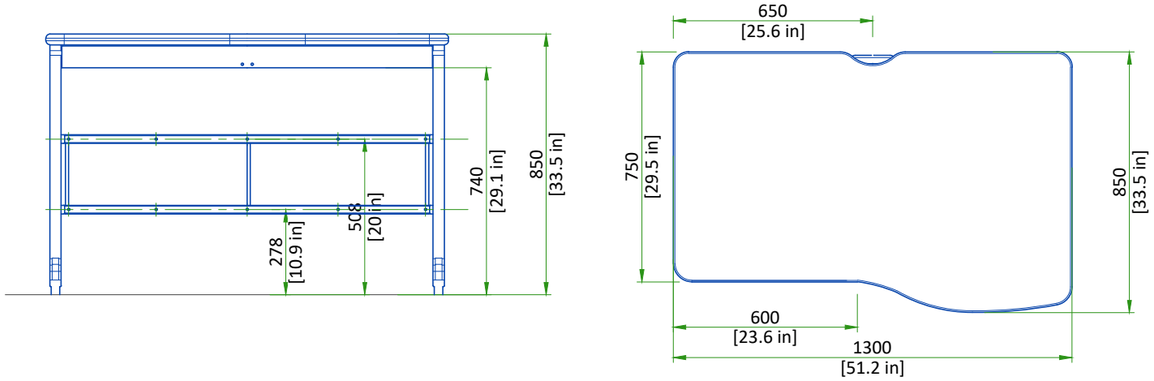
SCALE 1:50

POWER DISTRIBUTION UNIT (PDU)



SCALE 1:20

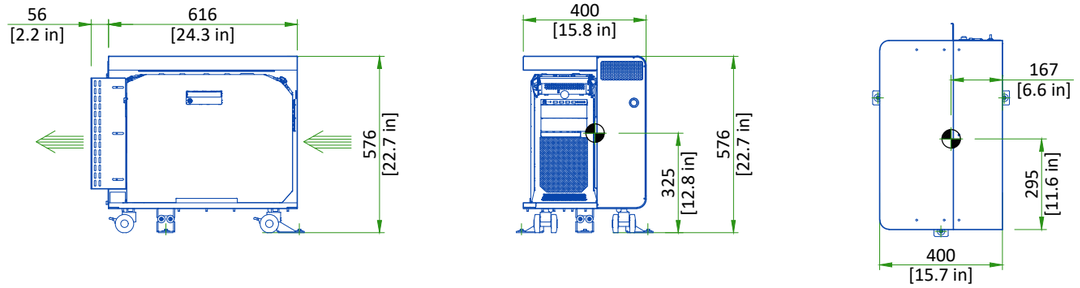
AURORA SWS TABLE



Weight: 40 kg [88 lbs]

SCALE 1:20

OPEN CONSOLE WITH Z8G5 HOST PC



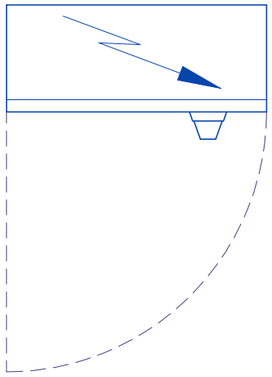
Center of Gravity

Indicates air flow (Convection)

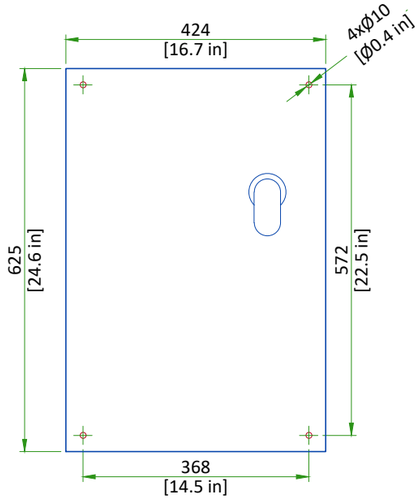
SCALE 1:20

MAIN DISCONNECT PANEL

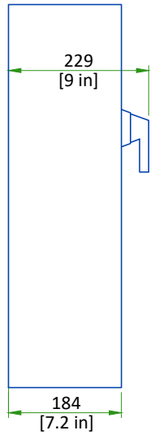
TOP VIEW



FRONT VIEW

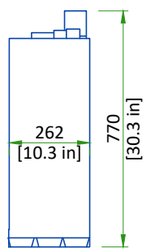


SIDE VIEW

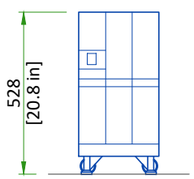


SCALE 1:10

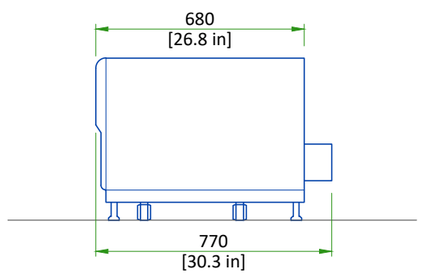
PARTIAL UNINTERRUPTIBLE POWER SUPPLY



Plan view



Front view



Side view

SCALE 1:20

DELIVERY

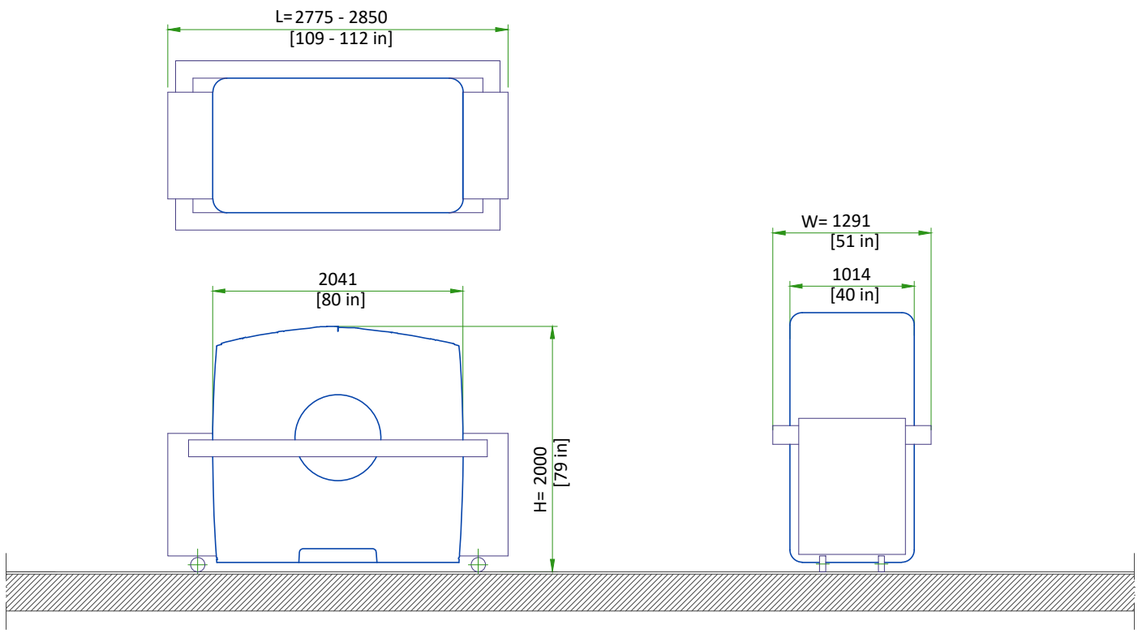
THE CUSTOMER/CONTRACTOR SHOULD:

- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

EQUIPMENT	DIMENSIONS			WEIGHT	
GANTRY	LENGTH	2775 mm	109 in	1835 kg	4049 lbs
	WIDTH	1291 mm	51 in		
	HEIGHT	2000 mm	79 in		
GANTRY - lightweight dolly	LENGTH	2850 mm	112 in	1732 kg	3818 lbs
	WIDTH	1291 mm	51 in		
	HEIGHT	2000 mm	79 in		
GT1700V TABLE	LENGTH	2489 mm	98 in	576 kg	1270 lbs
	WIDTH	762 mm	30 in		
	HEIGHT	1143 mm	45 in		

GANTRY DELIVERY

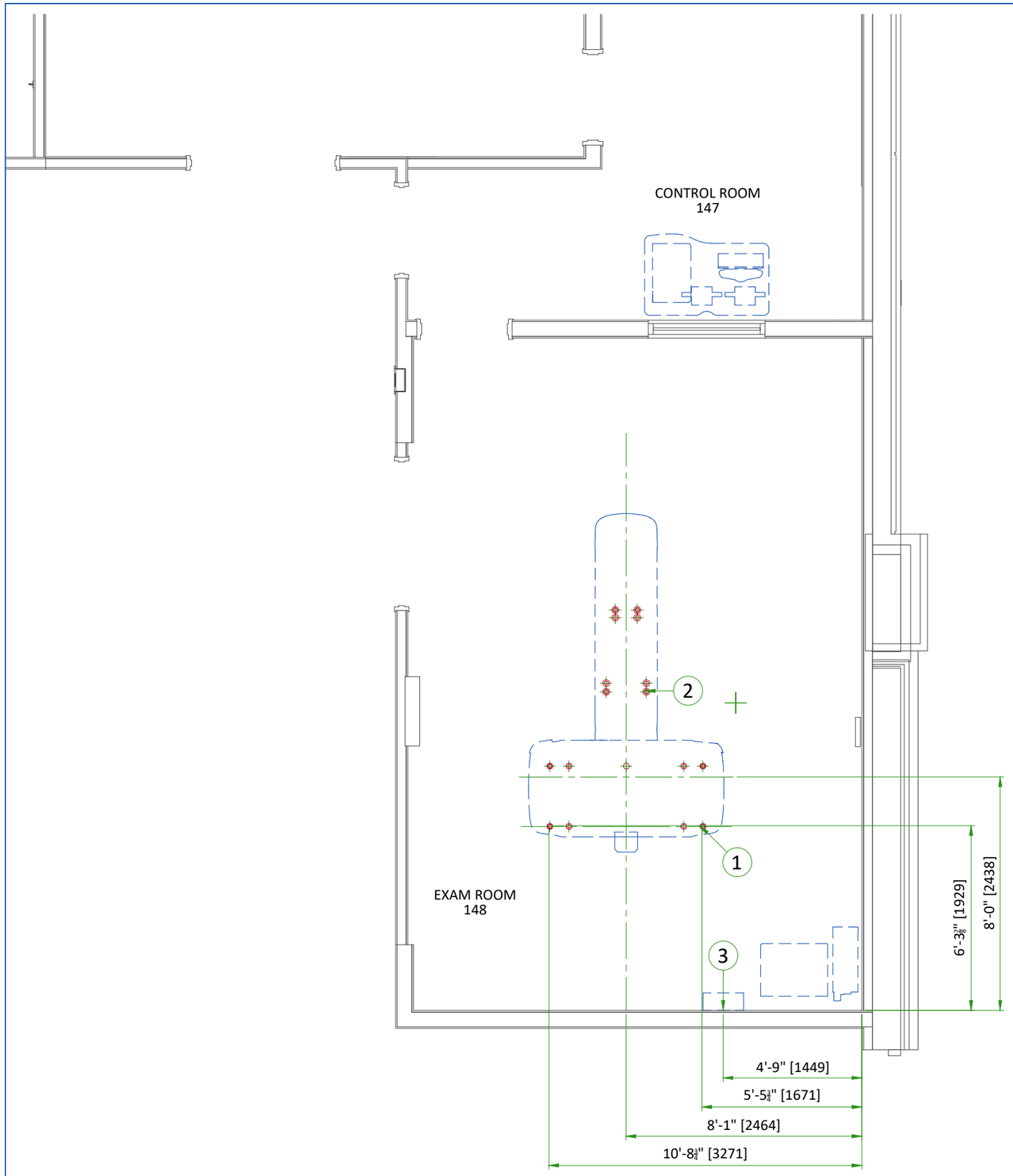


- The gantry is shipped on a dolly equipped with elevating casters (normal shipping configuration).

NOT TO SCALE

STRUCTURAL NOTES

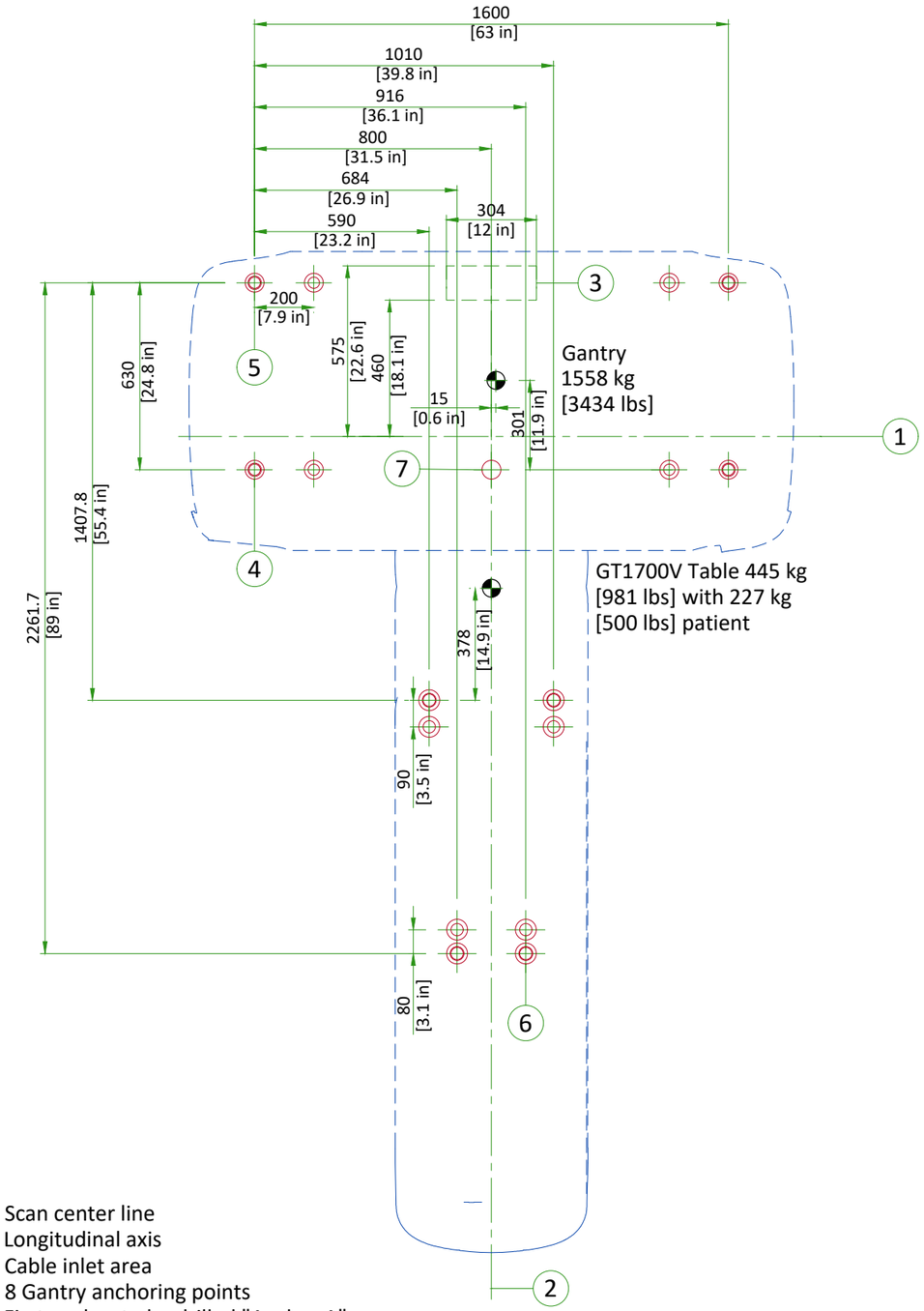
- all steel work and parts necessary to support ceiling mounted equipment is to be supplied by the customer or his contractors.
- methods of support for the steelwork that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use concrete or masonry anchors in direct tension.
- all units that are wall mounted or wall supported are to be provided with supports where necessary. Wall supports are to be supplied and installed by the customer or his contractors. See plan and detail sheets for suggested locations and mounting hole locations.
- all ceiling mounted fixtures, air vents, sprinklers, etc. To be flush mounted, or shall not extend more than 1/4" below the finished ceiling.
- floor slabs on which equipment is to be installed must be level to 1/4" in 10'-0"
- dimensions are to finished surfaces of room.
- customers contractor must provide all penetrations in post tension floors.
- customers contractor must provide and install any non-standard anchoring. Documents for standard anchoring methods are included with GE equipment drawings for geographic areas that require such documentation.
- customers contractor must provide and install hardware for "through the floor" anchoring and/or any bracing under access floors. This contractor must also provide floor drilling that cannot be completed because of an obstruction encountered while drilling by the GE installer such as rebar etc.
- it is the customer's responsibility to perform any floor or wall penetrations that may be required. The customer is also responsible for ensuring that no subsurface utilities (e.g., electrical or any other form of wiring, conduits, piping, duct work or structural supports (i.e. post tension cables or rebar)) will interfere or come in contact with subsurface penetration operations (e.g. drilling and installation of anchors/screws) performed during the installation process. To ensure worker safety, GE installers will perform surface penetration operations only after the customer's validation and completion of the "GE surface penetration permit"



ITEM	DESCRIPTION
	(CONTRACTOR SUPPLIED & INSTALLED)
1	Gantry anchor "A". Refer to Anchoring/loading Distribution To The Floor detail on sheet S3.
2	Table leveling pads. Refer to Anchoring/loading Distribution To The Floor detail on sheet S3.
3	Support Backing, locate as shown

Dimension Precision Note:
Metric dimensions should be referenced when positioning the CT gantry alignment tool.

ANCHORING/LOADING DISTRIBUTION TO THE FLOOR

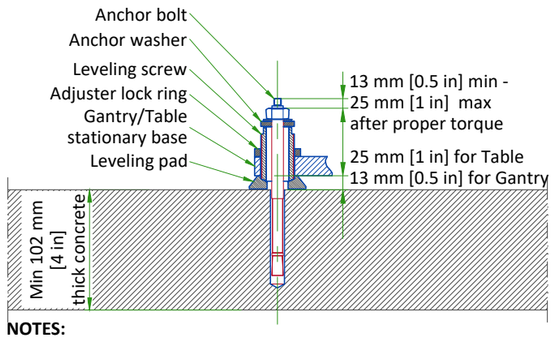


(1) Scan center line
(2) Longitudinal axis
(3) Cable inlet area
(4) 8 Gantry anchoring points
(5) First anchor to be drilled "Anchor A"
(6) 8 Table anchoring points
(7) Front leveling screw
Center of gravity
Main anchoring points
Backup anchoring points

SCALE 1:20

FLOOR REQUIREMENTS

GE SUPPLIED TABLE/GANTRY ANCHORS



NOTES:

- The distance from central line of anchor to the edge of concrete basement of Gantry/Table should not be less than 178 mm [7 in].
- Torque anchor to 54 Nm [40 ft-lb]

FINISHED FLOOR REQUIREMENTS

- Installation requires a finish floor in the scan and control rooms
- The floor surface in the scan room directly under the gantry and table must be level.
- The floor levelness tolerance of the floor surface that the gantry and table will rest on is 6 mm [1/4 in] over a 3048 mm [10 ft] distance.
- Shims should not be used to compensate for a floor that does not meet this requirement.
- Eight or more floor covering openings that are 102 mm [4 in] in diameter are made to ensure the table and gantry rest on a solid surface. These floor penetrations can be sealed if required.
- Concrete floors must have a minimum strength of f'c = 1.7 X10^7 Pa [2500 PSI] at 28 days for (curing time) mounting floor anchors. It is the responsibility of each customer to have appropriate tests performed to determine and measure concrete strength.
- These requirements apply to all installation types.

NOT TO SCALE

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM		
Temperature	Min	Recommended	Max	Min	Recommended	Max
	18°C	22°C	26°C	18°C	22°C	26°C
	64°F	72°F	79°F	64°F	72°F	79°F
Relative humidity (1)	30% to 60%			30% to 60%		

STORAGE CONDITIONS

Temperature	0°C to +30°C
	32°F to +86°F
Temperature gradient	**≤ 3°C/h**
	≤ 5°F/h
Relative humidity (1)	up to 70%
Humidity gradient	**≤ 5%/h**

Storage longer than 6 months is not recommended.
(1) Non-condensing

AIR RENEWAL

According to local standards.

NOTE
In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

HEAT DISSIPATION DETAILS

ROOM	DESCRIPTION	Max (kW)	Max (BTU)
Exam Room	Gantry	5.48	18700
	GT1700V/GT2000 Table	0.3	1030
	TOTAL	**6**	**19730**
Exam Room or Technical Room*	Power Distribution Unit	1.0	3400
	Partial UPS - Liebert GXT4	0.83	2828
	TOTAL	**2**	**6228**
Control Room	Operator console	0.84	2860
	LCD monitor (Total amount of 2 monitors)	0.1	340
	TOTAL	**1**	**3200**
*Technical Room is not mandatory, the placements of these elements are recommended in the Exam Room.			

ELECTRICAL NOTES

1. Aluminum or solid wires are not allowed.
2. Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
3. It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
4. Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
5. Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distribution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
6. General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
7. Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
8. Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
9. In some cases GEHC will specify ground wires to be sized larger than code. In these situations, the GEHC specification must be followed.
10. A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
11. The maximum point to point distances illustrated on this drawing must not be exceeded.
12. Physical connection of primary power to GEHC equipment is to be made by customers electrical contractor with the supervision of a GEHC representative. The GEHC representative would be required to identify the physical connection location, and insure proper handling of GEHC equipment.
13. GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.
14. Every installation is unique. The electrical contractor will be required to support the installation of the GEHC equipment by providing knockouts, grommeted openings, bushings, etc. as required. All power connections to be performed by the electrician.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor. All junction boxes shall be provided with covers.
- Conduit and duct runs shall have gradual sweep radius bends.
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:
  1.Ductwork shall be metal with dividers and have removable, accessible covers.
  2. Ductwork shall be certified/rated for electrical power purposes.
  3. Ductwork shall be electrically and mechanically bonded together in an approved manner.
  4. PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customers contractor.
- Electrical contractor to provide measured pull strings in all conduit and raceway runs.
- Provide 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

CONNECTIVITY REQUIREMENTS

Your new GE Healthcare imaging modality will require local and remote connectivity to enable our full range of digital support:

- Local connectivity - This allows your system to connect to local devices such as PACS and modality worklist. We will require network information to configure the system(s), and a live ethernet port(s) prior to the delivery of the system(s).
- Remote connectivity - Your GE Healthcare service warranty includes InSite™ (applicable to InSite capable products), a powerful broadband-based service which enables digital tools that can help guard your hospital against equipment downtime and revenue loss by quickly connecting you to a GE Healthcare expert.

Depending on product family and software version, imaging systems can be connected in one of the following methods:

1. TLS over TCP Port 443 (Preferred method for new products) via:
   a. DNS resolution
   b. Customer-provided Proxy or
   c. GE Proxy (Available in some regions)
2. Site-to-Site IPsec VPN tunnel

Please provide the GE project manager with the contact information for the resource that can provide information required to set up these connections. GEHC will send out communication to these contacts, which will include the project's Connectivity requirements, and a Connectivity form. This form will need to be completed and returned to GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the completion of the installation.

FLORIDA ELECTRICAL NOTES

GROUNDING:

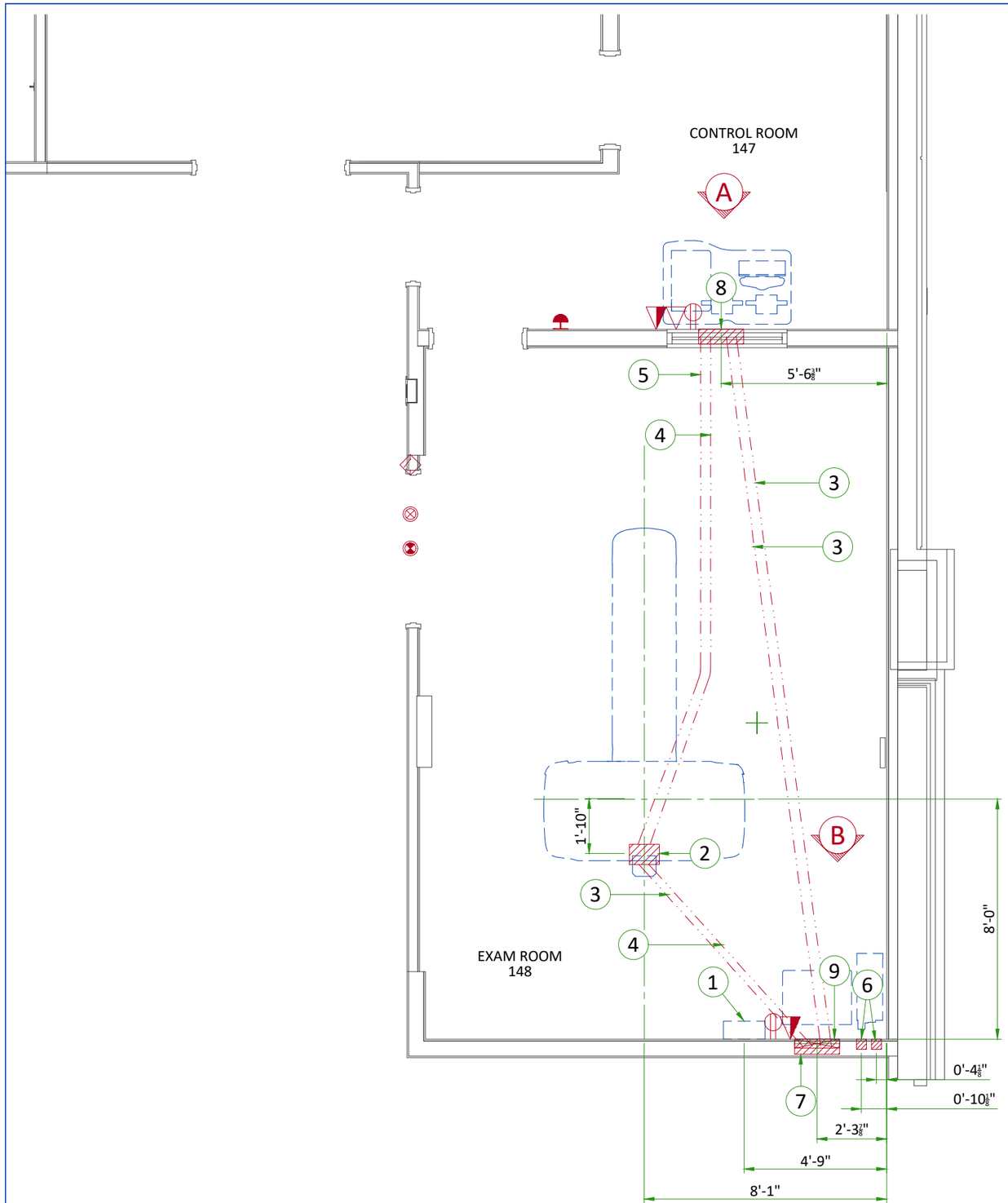
- All equipment must have redundant grounding provided by the electrical contractor.
- All nipples require ground studs.
- All duct work requires ground jumpers at all joints.
- All GEHC Cabinets must be connected to the duct or junction boxes with direct bonding or jumper wires.
- Overhead Tube or TV Monitors must have a ground wire from the duct or junction box to the TV Monitor or X-Ray Tube Unit.
- The electrical contractor must provide the ground conductors.

SEPARATIONS:

- All cables must be separated by voltage marked on cables and by class from other cables.
- Dividers and proper cross over tunnels must be provided and installed by the electrical contractor.
- All digital wiring, power, buss cables and coaxial cables must be kept in separate duct compartments for their entire run.
- The termination points of monitors, VCRs, etc. require separate junction boxes and cover plates for power and video with blank cover plates provided by the electrical contractor. Individual conduit runs are suggested when possible instead of duct runs.
- Please note that it is the responsibility of the electrical contractor to procure and install all zipper tubing where deemed necessary by local code. This includes, but is not limited to cross-overs, junction boxes and sections of raceways where adequate dividers are not in place.

MRI:

- Convenience outlet in Magnet Room must be for service only per AHCA requirements and marked "FOR SERVICE ONLY" or as directed by latest AHCA requirements.



Item	Electrical Layout Item List
1	Main disconnect panel (MDP)
2	12" x 8" x 6" [300x200x150] flush floor junction box (Gantry)
3	2 1/2" [64] conduit below floor
4	3 1/2" [89] conduit below floor
5	1" [25] conduit below floor
6	4" x 4" x 4" [100 x 100 x 100] box (Partial UPS)
7	18" x 12" x 6" [450 x 300 x 150] flush wall box (Power Distribution Unit)
8	18" x 18" x 6" [450 x 450 x 150] flush wall box in control room
9	18" x 3 1/2" [450 x 100] flush wall duct with minimum 2 dividers for cable storage - dividers as required per local code.

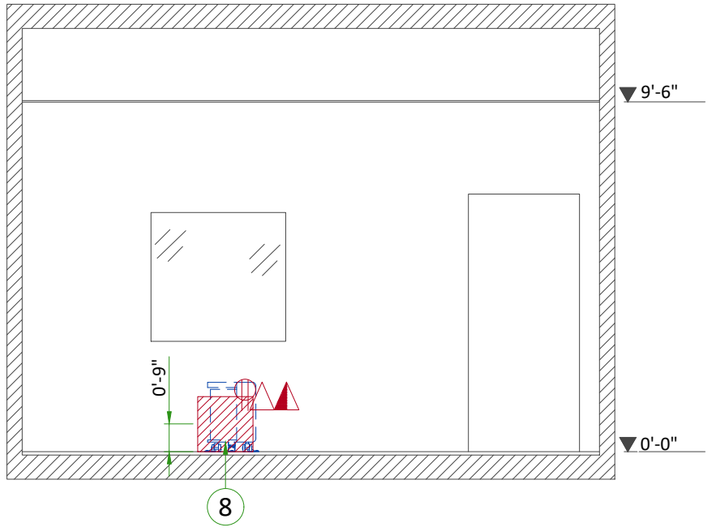
ITEM	QTY	Electrical Outlet Legend Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.
		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
		Dedicated telephone line(s)
		Network outlet
		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
		X-Ray room warning light control panel
		X-Ray ON lamp (L1) - 24V
		Door interlock switch (needed only if required by state/local codes)

Cable Length Note:

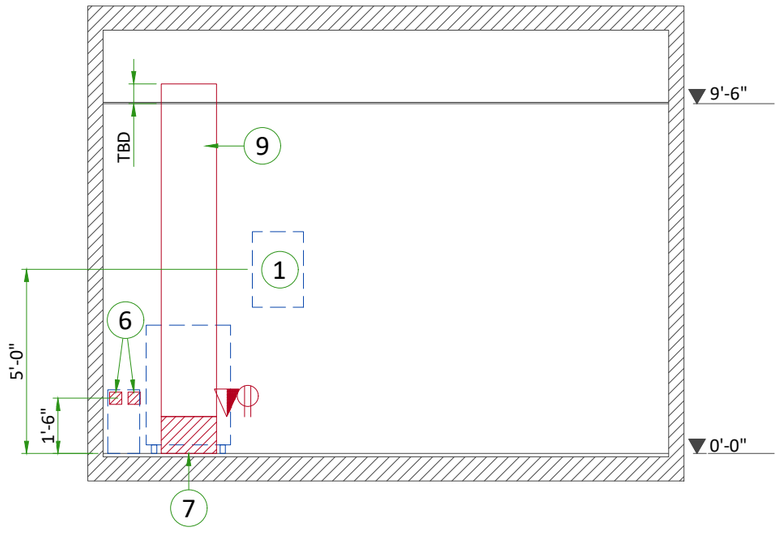
Routing of cable ductwork, conduits, etc., **must run direct as possible** otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).

Additional Conduit Runs (Contractor Supplied and Installed)

From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size In.	Size mm
3 Phase Power	1 Main Disconnect Panel	1	As req'd	As req'd
1 Main Disconnect Panel	Emergency Off	1	1/2	13
	7 Power Distribution Unit	1	As req'd	As req'd
7 Power Distribution Unit	Door Switch	1	1/2	13
	Warning Light Control	1	1/2	13
Warning Light		1	1/2	13
1 Phase Power		1	1/2	13
1 Main Disconnect Panel	6 Partial UPS	1	1 1/4	30
7 Power Distribution Unit		1	2	50



A



B

POWER REQUIREMENTS

POWER SUPPLY	**3 PHASES+G 200/220/240/380/400/420/440/460/480 V ± 10%**
FREQUENCIES	**50/60 Hz ± 3 Hz**
MAXIMUM POWER DEMAND	**100 kVA**
AVERAGE (CONTINUOUS) POWER DEMAND	**20 kVA**
POWER FACTOR	**0.85**

- Power supply should come into a main disconnect panel (MDP) containing the protective units and controls.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.

SUPPLY CHARACTERISTICS

- Power input must be separate from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...).
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.
- The minimum recommended transformer size for a dedicated distribution transformer provided for the system is as follows, rated 2.4% regulation at unity power factor:
  - 100 kVA option - 125kVA
  - 75 kVA option - 93.75 kVA
  - 50 kVA option - 62.5 kVA
- Phase imbalance 2% maximum.
- Transients must be less than 1500V peak. (on a 400V line)

GROUND SYSTEM

- System of equipotential grounding.
- Equipotential: The equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE system units are located.

CABLES

- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling and remote control (Y, SEO, L...) will go to MDP with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw connector).

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

- Protecting cables against water (cableways should be waterproof).
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts).
- Protecting cables against temperature shocks.
- Replacing cables (cableways should be large enough for cables to be replaced).
- Metal cableways should be grounded.

POWER DISTRIBUTION

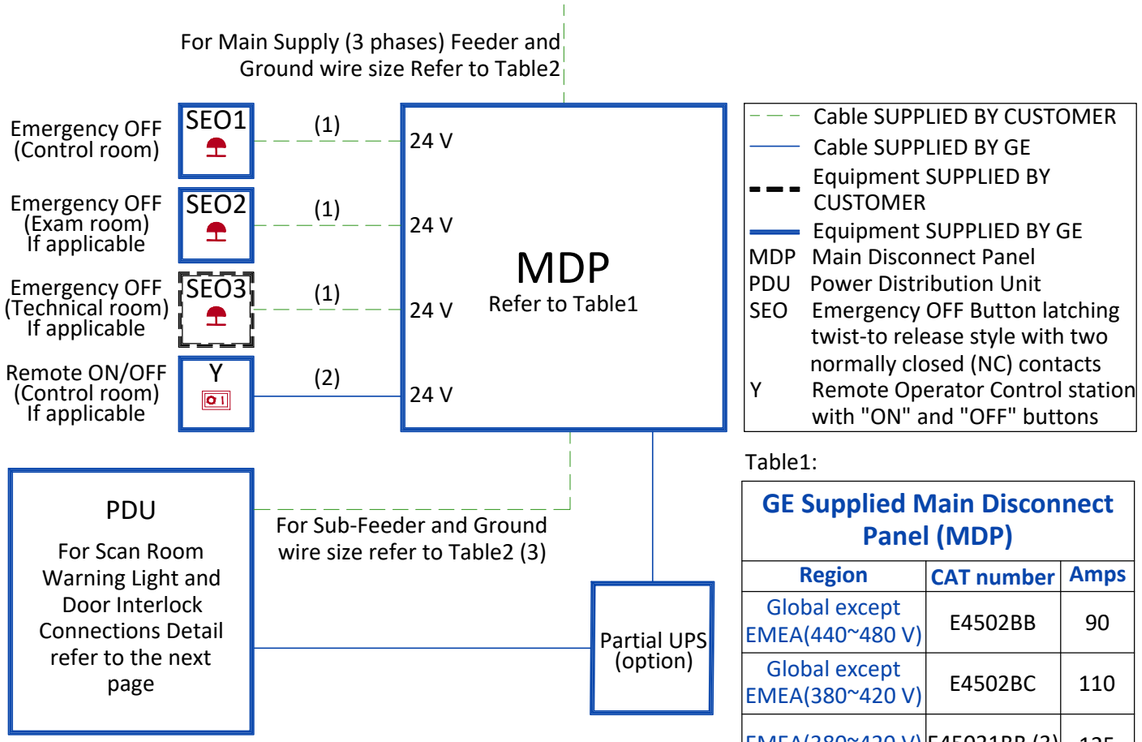


Table1:

GE Supplied Main Disconnect Panel (MDP)		
Region	**CAT number**	**Amps**
Global except EMEA(440~480 V)	E4502BB	90
Global except EMEA(380~420 V)	E4502BC	110
EMEA(380~420 V)	E45021BB (3)	125

Table2:

Feeder Table								
The information below assumes the use of copper wire, rated 75 C and run in steel conduit. All ampacity is determined in accordance with the National Electrical Code (NFPA 70), Table 310-16 (2002). The ampacity of the circuit protection device listed above determines the minimum feeder size, except where total source regulation limits require a larger size. If the wire size does not match the above lists, please select the nearest wire size as per to local standards								
Feeder length from Power Substation to MDP - ft (m)	**Minimum Wire Size, AWG or MCM (mm²)/VAC**							
	200 VAC	220 VAC	240 VAC	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
100 (30)	2/0 (70)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
150 (46)	4/0 (120)	3/0 (95)	3/0 (95)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
200 (61)	250 (120)	4/0 (120)	4/0 (120)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
250 (76)	300 (150)	250 (120)	250 (120)	1 (35)	1 (35)	2 (35)	2 (35)	2 (35)	4 (25)
300 (91)	350 (185)	300 (150)	250 (120)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	2 (35)	2 (35)
350 (107)	400 (185)	350 (185)	300 (150)	2/0 (70)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	1 (35)
400 (122)	400 (185)	350 (185)	350 (185)	2/0 (70)	2/0 (70)	1/0 (50)	1/0 (50)	1/0 (50)	1 (35)
Sub-Feeder length from MDP to PDU - ft (m)								
32 (9.7536)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
Grounding								
Run a dedicated 1/0 [50 mm²] or larger insulated copper ground wire from the power source to the MDP and from MDP to the PDU. Run the ground wire in the same raceway with the three-phase wires.								

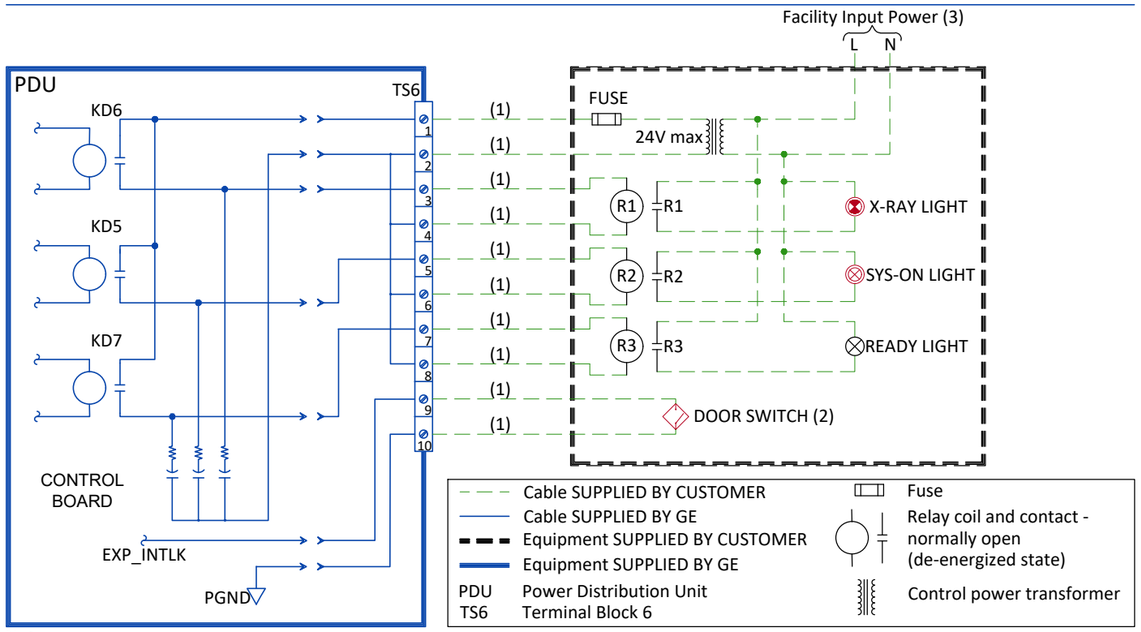
Notes :

(1) Wire size: 4x2.5mm² [14AWG] and 1x2.5mm² [14AWG] GND

(2) Power control cable: 3 m [10 ft] multi-conductor, 24V DC

(3) GE supplied MDP option E45021BB includes a 10 meter long power cable (H07RN-F) with wire size 4x50mm² and a 50 meter long control cable with wire size 2x1.5mm²

SCAN ROOM WARNING LIGHT AND DOOR INTERLOCK



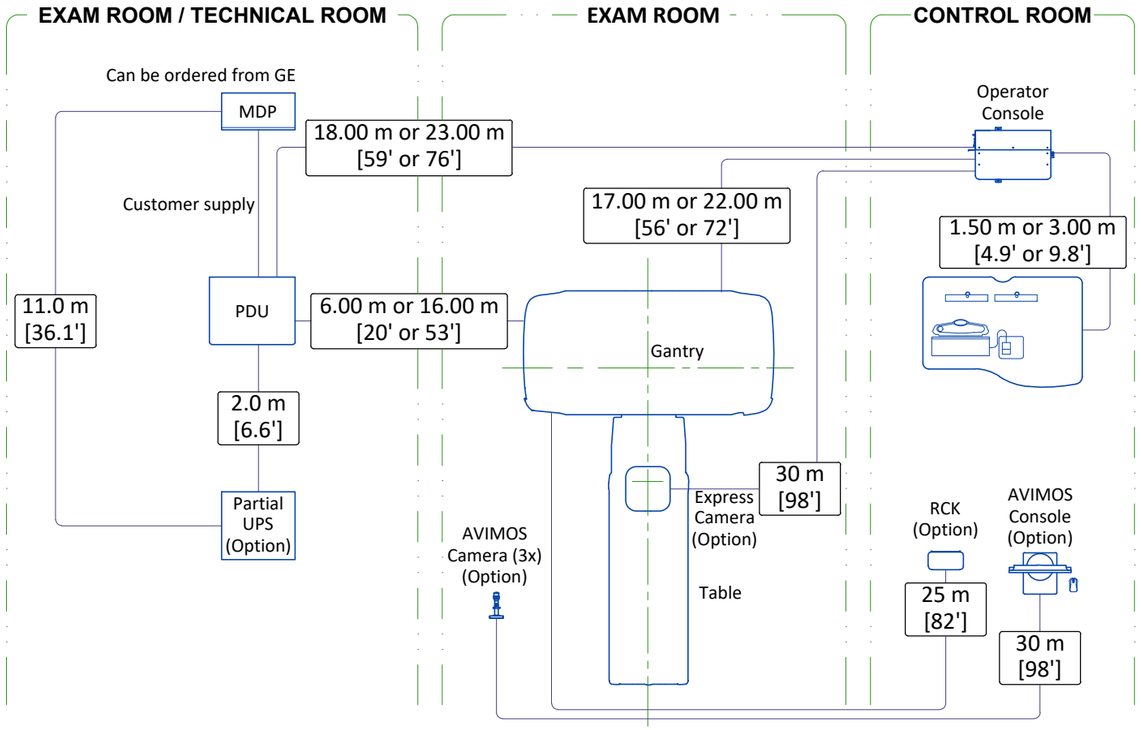
Notes :

(1) Wire size: 2mm² [14 AWG] at 24V

(2) Door Interlock circuit is jumpered out if a door switch is not provided.

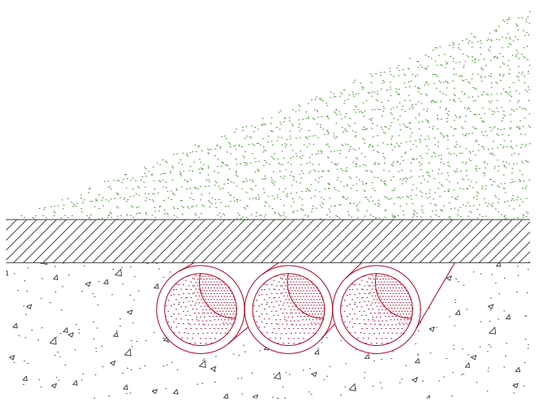
(3) Grounding not shown on the detail, but must comply with local codes.

INTERCONNECTIONS

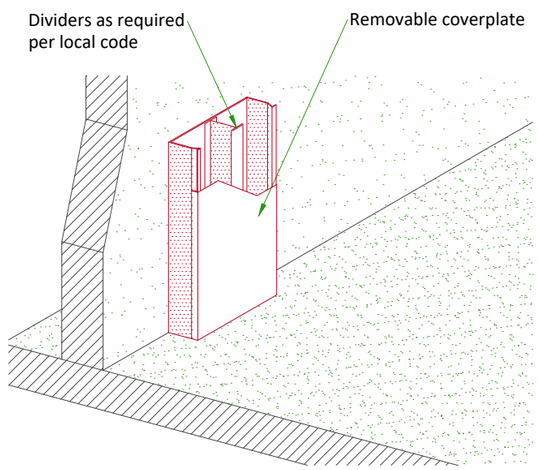


TYPICAL CABLE MANAGEMENT

CONDUIT IN THE FLOOR



VERTICAL DUCT ON WALL



NOT TO SCALE



REV	DATE	MODIFICATIONS
A	04/Nov/2025	Final DC-499462

01 - C1 - Cover Sheet
02 - C2 - Disclaimer - Site Readiness
03 - A1 - General Notes
04 - A2 - Equipment Layout
05 - A3 - Section Views
06 - A4 - Equipment Details - Delivery
07 - S1 - Structural Notes
08 - S2 - Structural Layout
09 - S3 - Structural Details (1)
10 - S4 - Structural Details (2)
11 - M1 - HVAC
12 - E1 - Electrical Notes
13 - E2 - Electrical Layout
14 - E3 - Electrical Elevations
15 - E4 - Details-Interconnections
16 - E5 - Power Requirements

A mandatory component of this drawing set is the GE HealthCare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation.
Pre Installation documents for GE HealthCare products can be accessed on the web at: *https://www.gehealthcare.com/support/manuals*

GE HealthCare does not take responsibility for any damages resulting from changes on drawings made by others. Errors may occur by not referring to the complete set of final issue drawings. GE HealthCare cannot accept responsibility for any damage due to the partial use of GE HealthCare final issue drawings, however caused. All dimensions are in millimeters unless otherwise specified. Do not scale from printed pdf files. GE HealthCare accepts no responsibility or liability for defective work due to scaling from these drawings.

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Fort Walton Beach, FL
USA

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DEFINIUM TEMPO PRO
FINAL STUDY

Drawn by	Verified by	Concession	GON/Quote	PIM Manual	Rev
TST	TST	-	2012214403.2	5743002-1EN	11

Format	Scale	File Name	Date	Sheet
A3	1/4"=1'-0"	RAD-M476057-FIN-00-A.DWG	04/Nov/2025	01/16

DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed.
- The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables.
- If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted.
- The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the customer's responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

- It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the delivery and installation date.
- Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a way that the loads of the installed system can be securely borne and transferred. The layout of additional structural elements, dimensioning and the selection of appropriate installation methods are the sole responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the ceiling, floor or walls are the customer's responsibility.

RADIO-PROTECTION

- Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.		
DATE	NAME	SIGNATURE

CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION	
Description	Document Number*
Product specific Pre-installation Manual	Refer to cover page
*documents can be accessed in multiple languages at *https://www.gehealthcare.com/support/manuals*	

- A mandatory component of this drawing set is the GE HealthCare Pre-installation manual. Failure to reference the Pre-installation manual will result in incomplete documentation required for site design and preparation.
- The items on the GE HealthCare Site Readiness Checklists listed below are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.

REQUIRED SITE-READINESS CHECKLISTS FOR SYSTEM PRE-INSTALLATION	
Modality	Document Number*
Computerized Tomography	DOC2949059
Radiology, Radiology and Fluouroscopy, Mammography, Bone Mass Densitometry	DOC2949063
All modality Customer/Contractor Worksheet	DOC2949068
*documents can be accessed in multiple languages at *https://www.gehealthcare.com/support/manuals*	

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE HealthCare installation project manager prior to making changes.
- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE HealthCare installation project manager can supply a reference list of rigging contractors.
- New construction requires the following;
  1. Secure area for equipment,
  2. Power for drills and other test equipment,
  3. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- For CT systems it is required to minimize vibrations within the scan room. It is the customer's responsibility to contract a vibration consultant/engineer to implement site design modifications to meet the GE vibration specification. Refer to the system Pre-installation manual for vibration specifications.

ENVIRONMENTAL SPECIFICATIONS

MAGNETIC INTERFERENCE

In order to avoid interference on the system, static field limits from the surrounding environment must be less than <1 Gauss around the unit.

LIGHT REQUIREMENTS

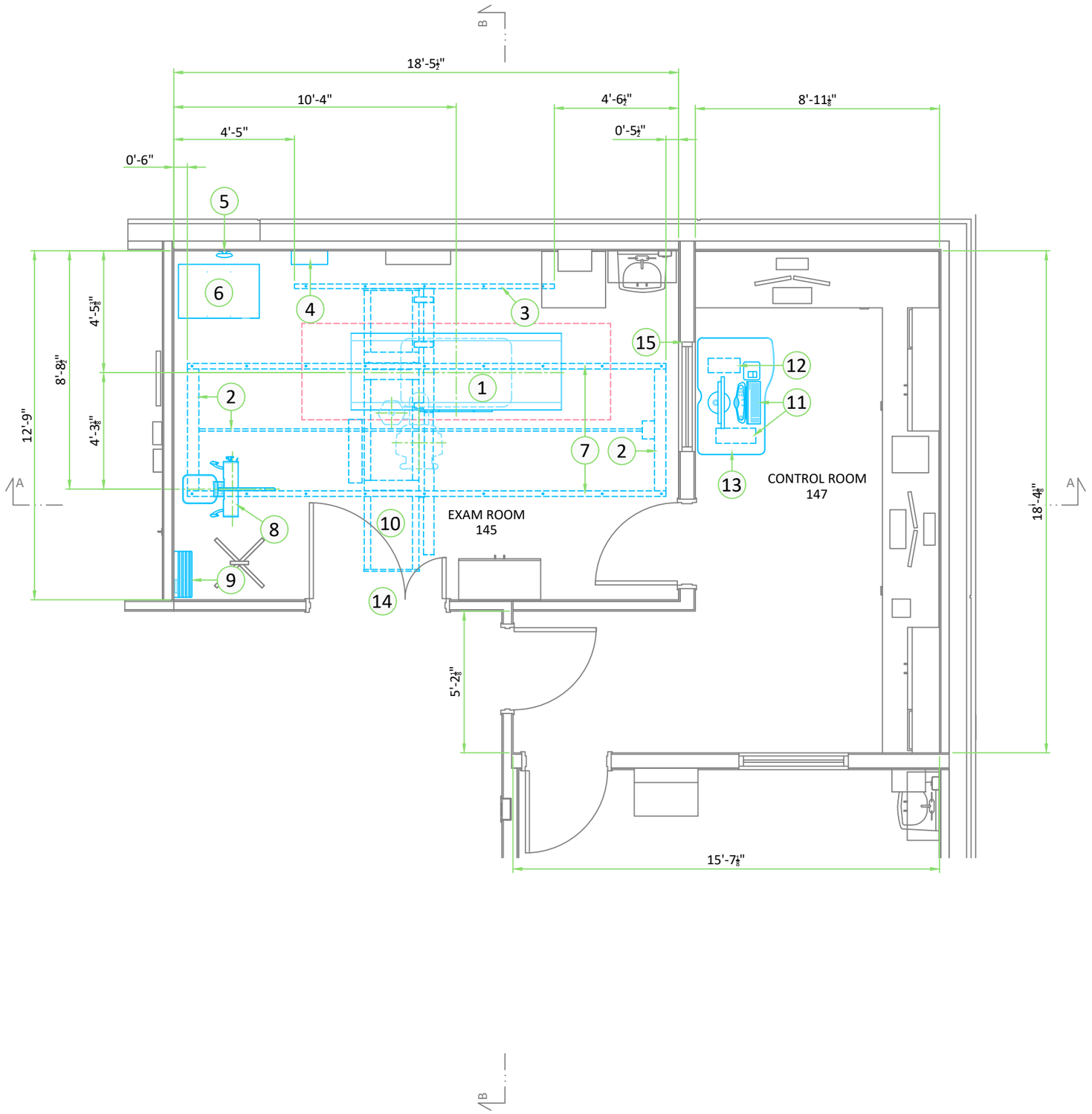
For the electronic ballast of fluorescent lamp in exam room, the operating frequency should be above 42 kHz.
Recommended lamp for patient exposure: LED 75-350 lux/15-60W or Fluorescent 75-350 lux/30-90W
Recommended lamp for GE service: LED 350-800 lux/60-150W or Fluorescent 350-800 lux/90-300W

ACOUSTIC OUTPUT

Measured 1 m [3.28 ft] from any point in system.
In-use: less than 65 dBA
Stand-by: less than 60 dBA

ALTITUDE AND ATMOSPHERIC PRESSURE

Maximum height above sea level: 3000m [9843 ft]
Minimum depth below sea level: -30m [-98 ft]
Maximum atmospheric pressure: 106 kPa
Minimum atmospheric pressure: 70 kPa
Allowable in-use rate of change: <1.8 kPa/hour
Allowable storage rate of change (equipment in original shipping containters): <76 kPa/hour



LEGEND			
A	GE SUPPLIED	D	AVAILABLE FROM GE
B	GE SUPPLIED/CONTRACTOR INSTALLED	E	EQUIPMENT EXISTING IN ROOM
C	CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED	*	ITEM TO BE REINSTALLED FROM ANOTHER SITE

BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (BTU/h)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	PATIENT TABLE	1017	849	298	385
A	2	DRIVE BELT AND ANCHOR RAILS	-	-	-	-
A	3	CABLE DRAPE RAIL	-	-	-	-
B	4	MAIN DISCONNECT PANEL (MDP)	-	79	-	36
A	5	ACCESS POINT	58	1	17	0.6
A	6	SYSTEM CABINET	4026	459	1180	208
A	7	17'-6" LONGITUDINAL STATIONARY RAILS WITH 3m BRIDGE	-	-	-	-
A	8	NON-TILTING WALLSTAND	399	538	117	244
A	9	GRID HOLDER	-	30	-	13.8
A	10	OTS WITH 3 m BRIDGE	1300	1151	381	522
A	11	OPERATOR CONSOLE	-	23	-	10.6
A	12	PARTIAL UPS	-	25	-	11.5
A	13	CT CONSOLE DESK	-	88	-	40
C	14	MINIMUM OPENING FOR EQUIPMENT DELIVERY IS 950 mm x 1900 mm [37.5 in x 75 in], CONTINGENT ON A 2500 mm [96 in] CORRIDOR WIDTH (NOTE: IMAGE PASTE OPTION REQUIRES AN 1100 mm x 2100 mm [44 in x 82 in] OPENING)				
C	15	CONTROL WALL TO CEILING WITH LEAD GLASS VIEWING WINDOW				

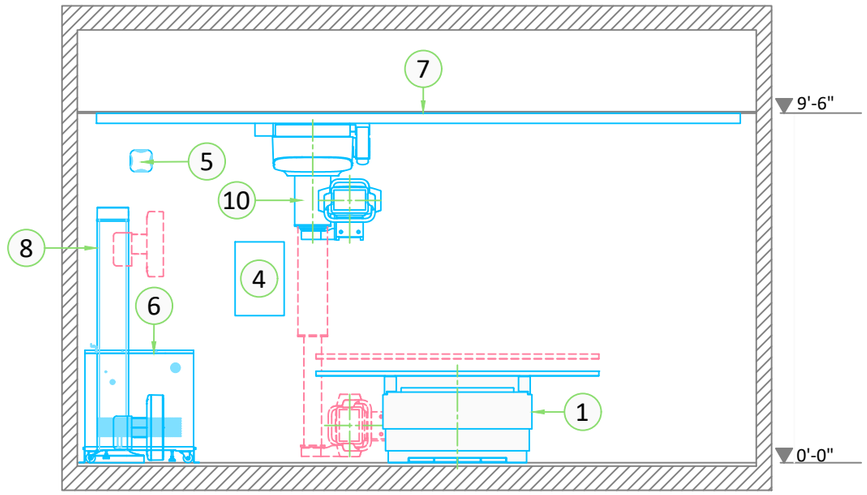
Applications	
The chart shows the application possible to perform with the present equipment positioning, however the sales contract may not include it.	
Auto Image Pasting at Wall Stand	YES

EXAM ROOM HEIGHT	
FINISHED FLOOR TO SLAB HEIGHT	TBD
FALSE CEILING HEIGHT	9'-6"

THE FOLLOWING SHOTS ARE NOT AVAILABLE IN THIS LAYOUT
REAR TO FRONT CROSS TABLE SHOT TO TABLE CENTERLINE

For Accessory Sales: (866) 281-7545 Options 1, 2, 1, 2 or mail to: gehcaccessorysales@ge.com

FRONT VIEW A-A'



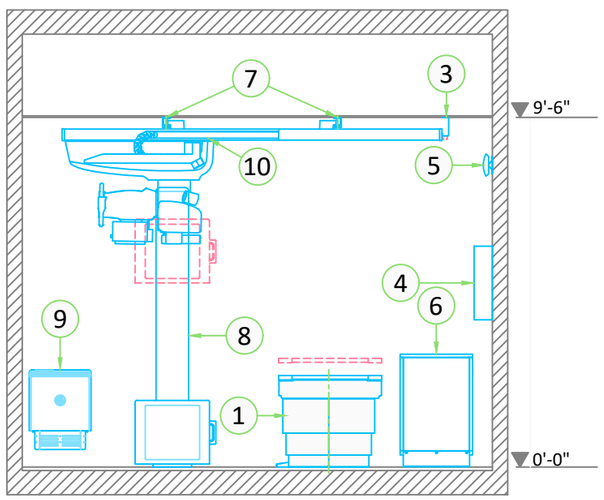
EXAM ROOM CEILING HEIGHTS

SYSTEM CONFIGURATION	WALLSTAND POSITION	SPECIFICATION	CEILING HEIGHT
2m or 3m Bridge	Any	Recommended	2860 mm [9'-5"]
Table + Extended WS	Foot	Range	2715-2887 mm [8'-11" to 9'-6"]
	Head	Range	2587-2887 mm [8'-6" to 9'-6"]
Table + Standard WS	Foot	Range	2587-2887 mm [8'-6" to 9'-6"]
	Head with OTS column 180°	Range	2587-2845 mm [8'-6" to 9'-4"]
	Head	Range	2855-2887 mm [9'-5" to 9'-6"]
Table + Non-tilting WS	Foot or head	Range	2587-2687 mm [8'-6" to 8'-10"]
	Front or rear	Range	2715-2887 mm [8'-11" to 9'-6"]

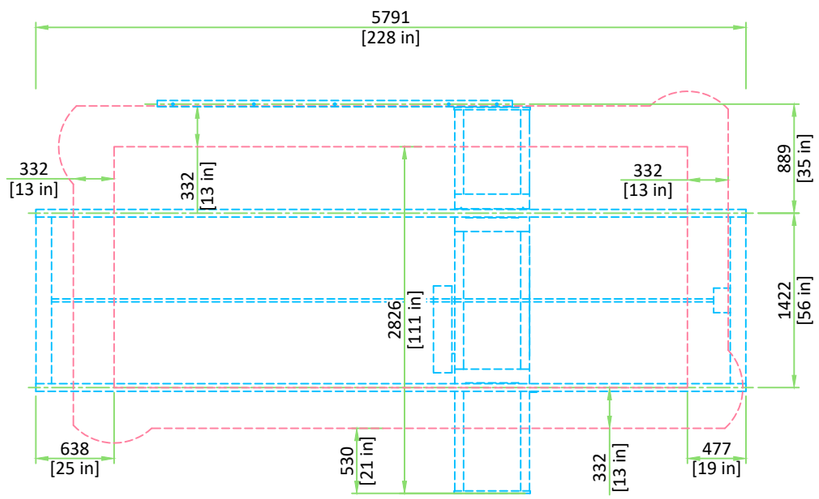
Note : measured from the floor to the top of the longitudinal rails

ADAPTER	APPLICABLE CEILING HEIGHT
Long (standard)	2587-2687 mm [8'-6" to 8'-10"] or lower
Medium	2687-2787 mm [8'-10" to 9'-2"]
Short	2787-2887 mm [9'-2" to 9'-6"] or higher

SIDE VIEW B-B'



FOCAL SPOT TRAVEL WITH 3M BRIDGE

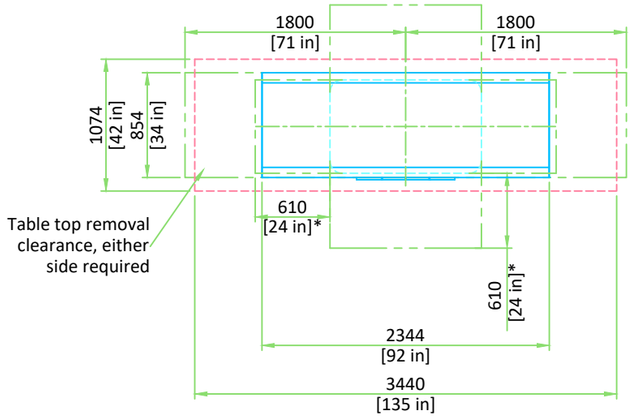


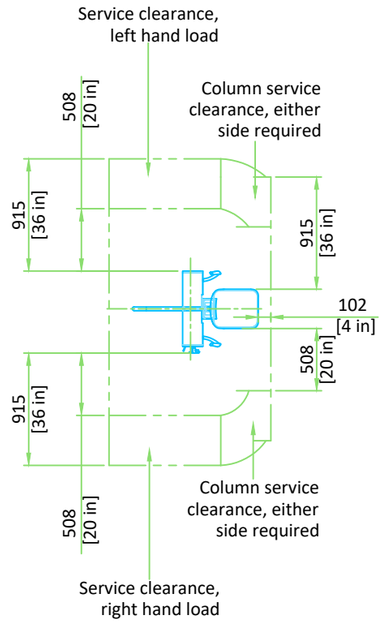
Note: Focal Spot Travel varies depending on the length of bridge and rails. Refer to equipment layout.

NOT TO SCALE

CLEARANCE AREAS

PERFOMANCE TABLE WITH NON-TILTING WALLSTAND





*Recommended service access clearance is 915 mm [3 ft].

SCALE 1:50

DELIVERY

THE CUSTOMER/CONTRACTOR SHOULD:

- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

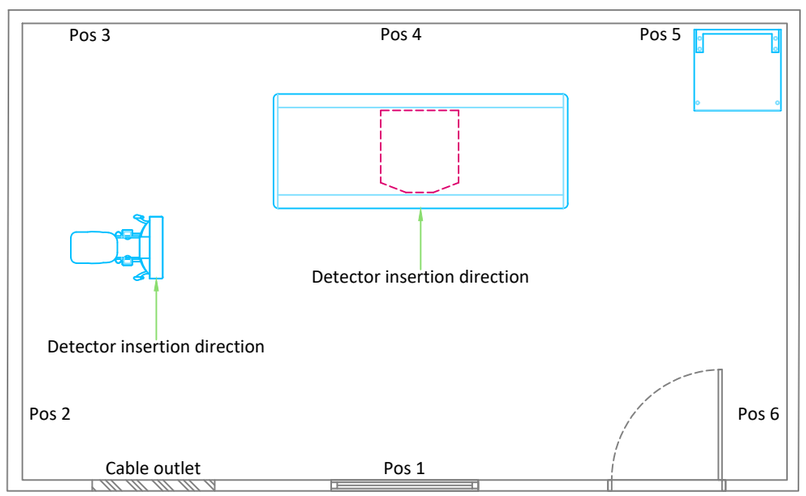
EQUIPMENT	DIMENSIONS LxWxH mm (in)	WEIGHT kg (lb)
STANDARD WALLSTAND	2111x911x1860 (83.1x35.9x73.2)	260 kg (573 lbs) + dolly
EXTENDED WALLSTAND	2340x911x1860 (92.1x35.9x73.2)	280 kg (617 lbs) + dolly
NON-TILTING WALLSTAND	2000x911x1840 (78.7x35.9x72.4)	260 kg (573 lbs) + dolly
PERFORMANCE TABLE	1372x1000x1360 (51.2x37.4x35.4)	137 kg (302 lbs)
STATIONARY RAILS (4 m)* (set of 2 rails)	4400x62.5x84.3 (173x2.5x3.3)	48 kg (106 lbs)
OTS	1260x870x1250 (49.6x34.3x49.2)	350 kg (772 lbs)
2M BRIDGE	3248x822x429 (127.9x32.4x16.9)	194 kg (423 lbs)
3M BRIDGE	3248x822x429 (127.9x32.4x16.9)	224 kg (494 lbs)

Refer to Equipment Layout for site-specific equipment configuration.
*Available in lengths up to 5.79 m (19 ft)

ACCESS POINT POSITION

AP Wall-mounting position:

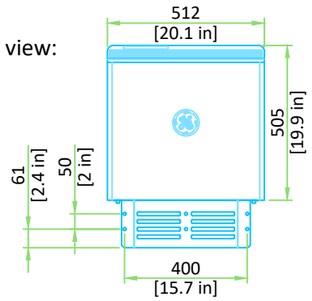
- There are 6 different positions available for AP wall-mounting.
- Install at more than 2.5 m [8.2 ft] height from floor level to avoid potential blocking from human or other obstacles.
- One Ethernet cable to Magic PC and one power cable to system cabinet are connected on the back of the AP.
- Use wall mount adapter included with AP.
- AP is only provided for wireless system, it is not included in Non Wireless Configuration system.



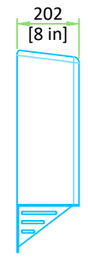
GRID HOLDER

GRID HOLDER

Front view:



Side view:



The bottom edge of the Grid Holder must be < 300 mm [11.8 in] from the bottom of the Holder to the floor.

SCALE 1:20

STRUCTURAL NOTES

- Methods of support for the steelwork that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use concrete or masonry anchors in direct tension.
- All units that are wall mounted or wall supported are to be provided with supports where necessary. Wall supports are to be supplied and installed by the customer or his contractors. See plan for suggested locations.
- Control walls shall be constructed to minimum 2130mm (7'-0") high.
- Dimensions are to finished surfaces of room.
- Customers contractor must provide all penetrations in post tension floors.
- Customers contractor must provide and install any non-standard anchoring. Documents for standard anchoring methods are included with GE equipment drawings for geographic areas that require such documentation.
- Customers contractor must provide and install hardware for "through the floor" anchoring and/or any bracing under access floors. This contractor must also provide floor drilling that cannot be completed because of an obstruction encountered while drilling by the GE installer such as rebar etc.
- It is the customer's responsibility to perform any floor or wall penetrations that may be required. The customer is also responsible for ensuring that no subsurface utilities (e.g., electrical or any other form of wiring, conduits, piping, duct work or structural supports (i.e. post tension cables or rebar)) will interfere or come in contact with subsurface penetration operations (e.g. drilling and installation of anchors/screws) performed during the installation process. To ensure worker safety, GE installers will perform surface penetration operations only after the customer's validation and completion of the "GE surface penetration permit".
- Different anchor types are used to install the components of the system. Refer to Structural Requirements Section(s) of the Pre-Installation Manual for each anchor requirement.
- Refer to the Structural Requirements Section for the required minimum embedment.
- The ground surface must be flat and leveled, maximum tolerance for leveling is ±1.5 mm per 1 m (0.2 in per 10 feet). A grout pad provided by the contractor is required to meet this specification. The maximum pad thickness is 6.3 mm (0.25 in).

CEILING REQUIREMENTS

To allow installation of the stationary rail cross-members, clearance is required between the ends of the stationary rails and the walls.

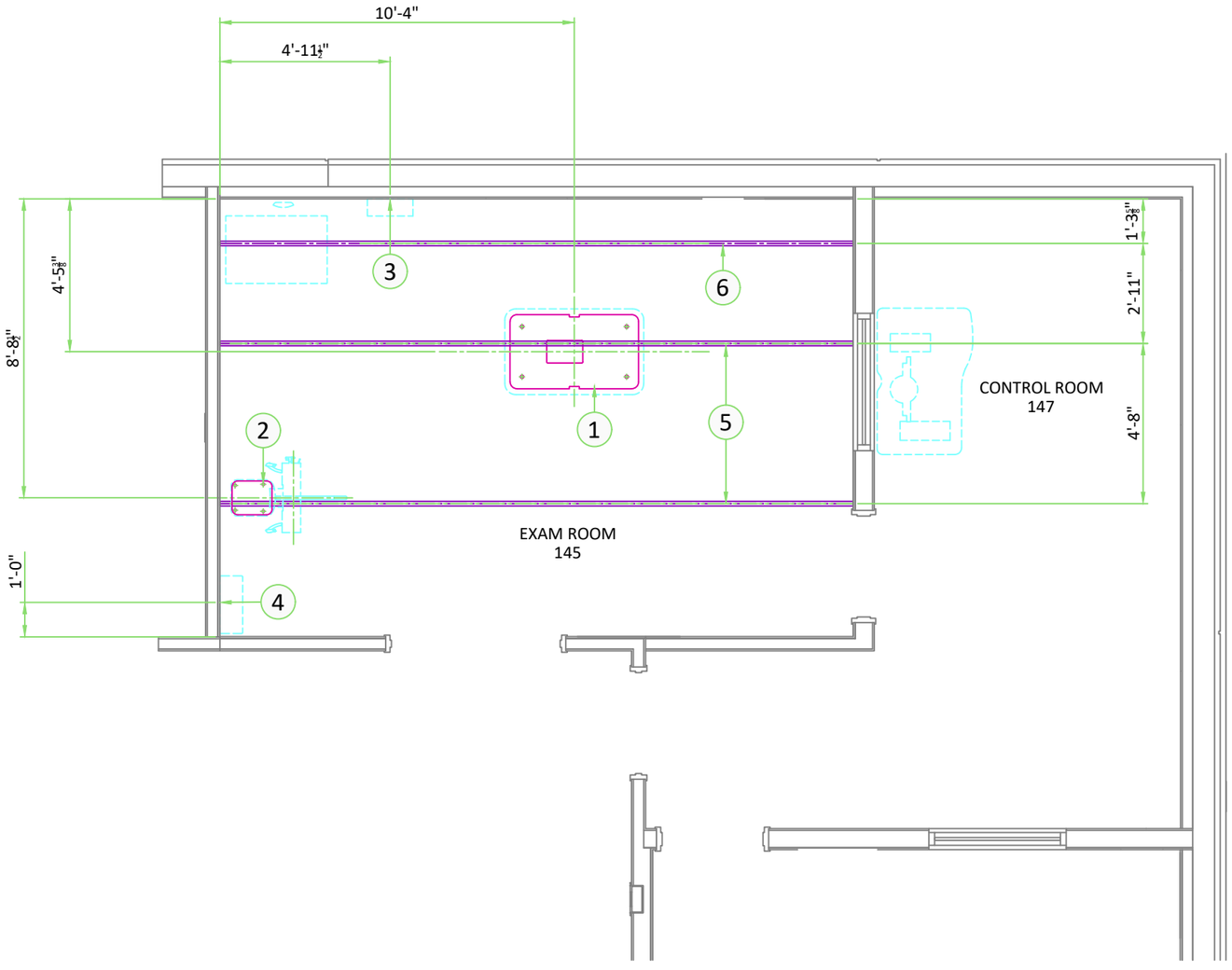
It is recommended that sprinkler heads not be placed between the stationary rails. All sprinkler heads should be mounted so they do not extend downward more than 6.35 mm [1/4 in] from the ceiling while in the 'resting' position.

In addition, there should not be anything mounted in the ceiling (i.e. lights, A/C returns, etc) between the stationary rails. This is because the OTS longitudinal drive belt assembly is located on the movable bridge, approximately centered between the two stationary rails, and may come into contact with those ceiling-mounted items during normal use.

Stationary rails are designed for top (ceiling) mounting. Rails can be ordered and are supplied in the following sizes:

- 3505 mm [11'-6"]
- 4115 mm [13'-6"]
- 4220 mm [14'-6"]
- 4720 mm [15'-6"]
- 5030 mm [16'-6"]
- 5330 mm [17'-6"]
- 5640 mm [18'-6"]
- 5790 mm [19'-0"]

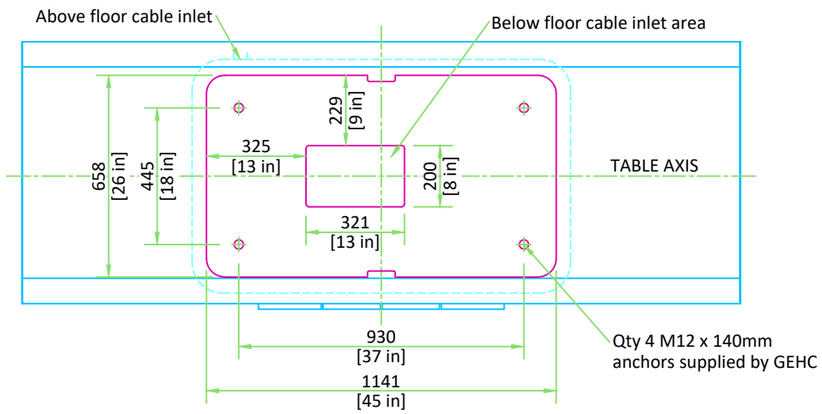
The choice of length depends on room size, configuration, and the possible presence of obstructions.



ITEM	DESCRIPTION
	(GE SUPPLIED / CONTRACTOR INSTALLED)
1	Area occupied by GE supplied table baseplate
2	Area occupied by GE supplied wall stand baseplate
	(CONTRACTOR SUPPLIED & INSTALLED)
3	Support backing, locate as shown.
4	Support backing for Grid Holder, locate as shown. Refer to Equipment Detail page.
5	Structural support in ceiling for fastening ceiling supported equipment. Supports to run continuous with no fittings extending below face of channel, run wall to wall, be parallel, square, and in the same horizontal plane, flush with the finished ceiling. Rails are mounted to these supports every 2'-2" and require 350 lbs. (597 lbs. In seismic regions) per bolt load. Methods of support that permit attachment to structural steel or through bolts in concrete should be favored. Do not use screw anchors in direct tension.
6	Structural support in ceiling for fastening cable drape rail. Supports to run continuous with no fittings extending below face of channel, run wall to wall, be parallel, square, and in the same horizontal plane, flush with the finished ceiling. Rails are mounted to these supports every 2'-2" and require 50 lbs. Per bolt load. Methods of support that permit attachment to structural steel or through bolts in concrete should be favored. Do not use screw anchors in direct tension.

TABLE ANCHORING

PERFORMANCE TABLE BASEPLATE



- The floor bearing the system is recommended to be concrete and the thickness to be determined by a Structural Engineer to properly support the equipment loads. The supplied anchors require a minimum embedment of 90 mm [3.5 in] into the concrete. If the floor thickness is less than 95 mm [3.74 in], it is recommended that the unit be secured using a through-bolt method with a reinforcement plate on the back side.
- Recommended concrete strength is C30 or equivalent.

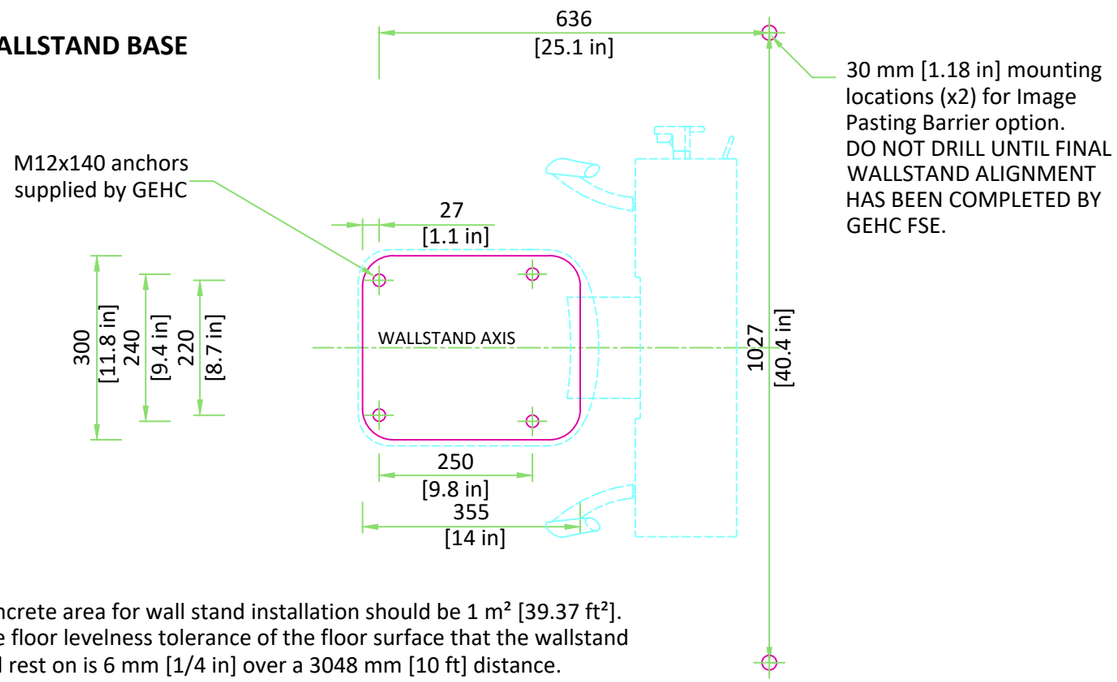
FLOOR LEVELNESS

6mm [1/4 in] maximum variance over 3048mm [10 ft]

SCALE 1:20

WALLSTAND ANCHORING

WALLSTAND BASE



Concrete area for wall stand installation should be 1 m² [39.37 ft²]. The floor levelness tolerance of the floor surface that the wallstand will rest on is 6 mm [1/4 in] over a 3048 mm [10 ft] distance.

SCALE 1:10

OTS SUSPENSION RAILS MOUNTING SPECIFICATIONS

3 m BRIDGE

When a 22.7 kg [50 lb] force is applied vertically upward, downward or horizontally at any support rail mounting point, the attachment interface must not deflect more than 1.5 mm [1/16 in]

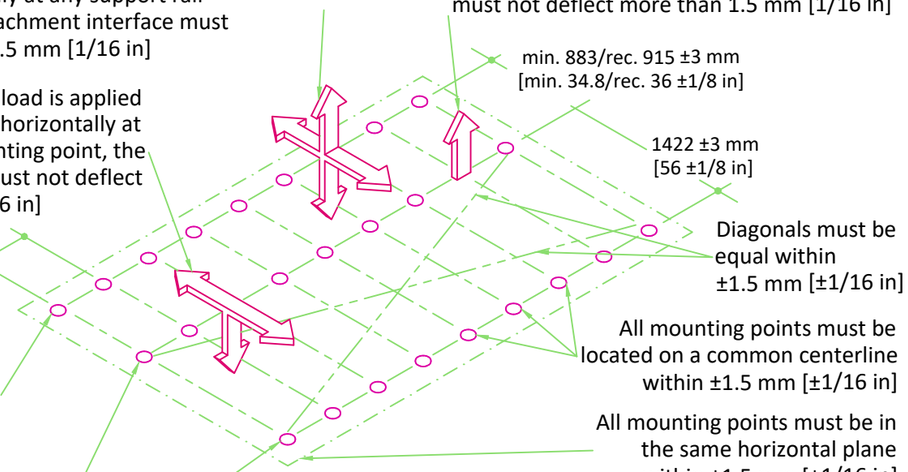
When a 136 kg [330 lb] load is applied vertically downward or horizontally at any stationary rail mounting point, the attachment interface must not deflect more than 1.5 mm [1/16 in]

Rec: 660.4 ±1.5 mm [26 ±1/16 in]. Max: 1320 mm [52 in] with universal rail option.

The bottom surface of stationary rail and cable support rail must be flat, no obvious protrusions larger than 1mm. (only applicable for non-Unistrut construction)

Stationary rail mounting points must be parallel within ±1.5 mm [±1/16 in]

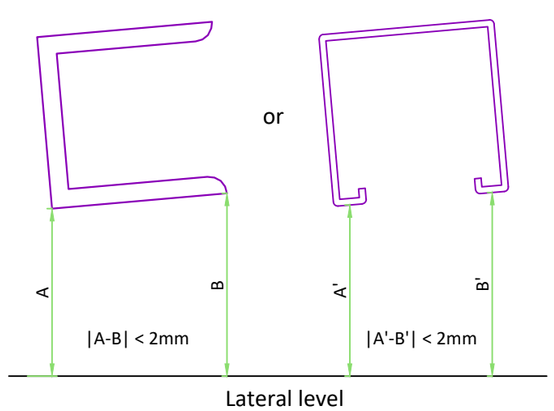
When a 45.4 kg [100 lb] force is applied vertically upward at any stationary rail mounting point, the attachment interface must not deflect more than 1.5 mm [1/16 in]



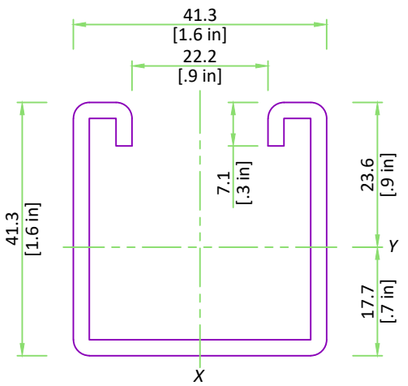
Distance between holes axis 660.4 mm [26 in], Maximum load per screw is 160 kg [353 lb], however each mounting screw must not "PULL OUT" or otherwise fail under a vertically downward dead load of 635 kg [1400 lb]. Bolts for mounting stationary rails on Unistrut or equivalent supplied by GE (1/2" - 13 headed bolts)

ADDITIONAL RAIL REQUIREMENTS

The bottom surface of the stationary rail and cable support rails must be horizontal, and the height difference between each support rail edge along the lateral direction must be less than 2 mm (or angle with level along lateral direction must less than 2°).

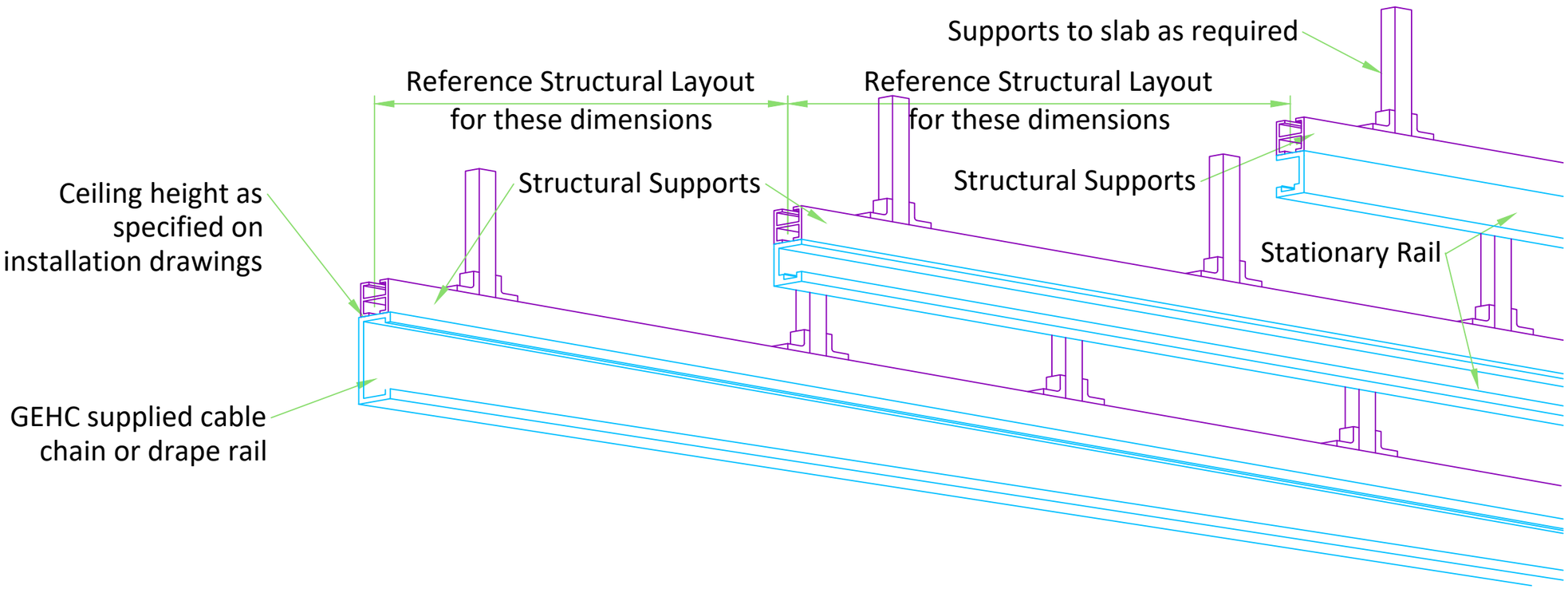


Lateral level



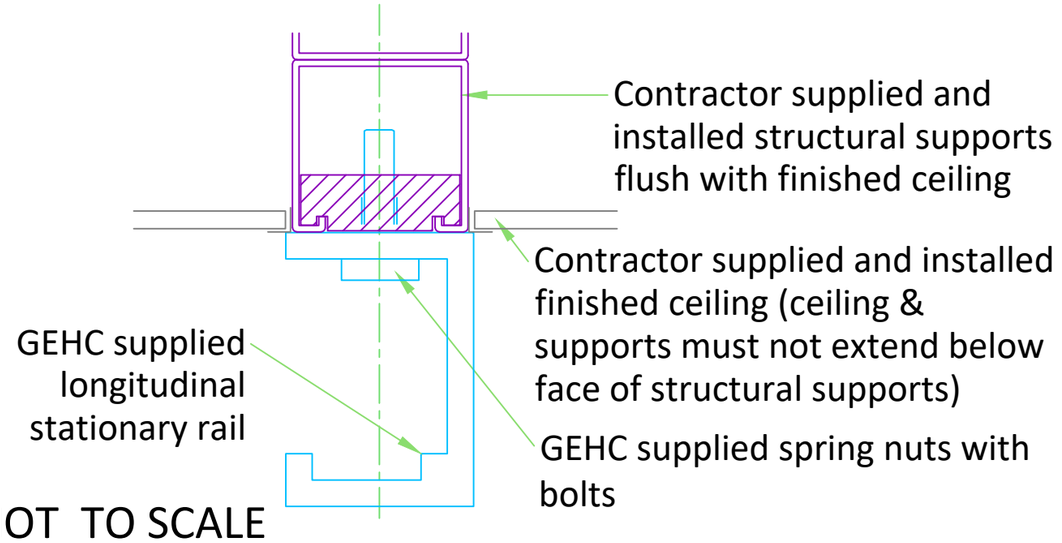
Unistrut is required for installations with Universal Rail suspensions

SUGGESTED UNISTRUT STRUCTURE FOR OTS SUSPENSION



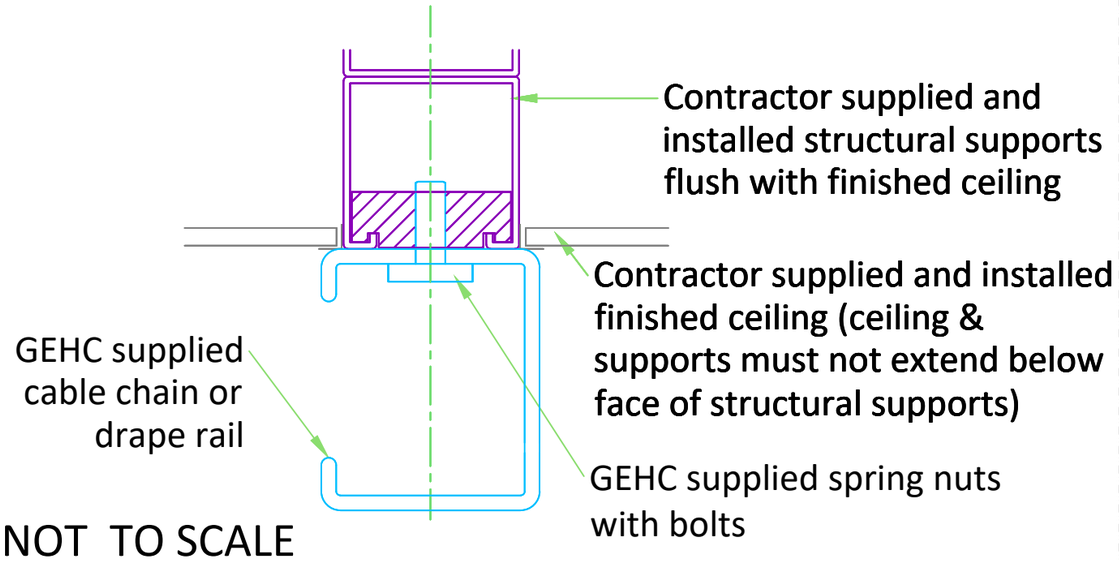
STRUCTURAL SUPPORT SYSTEM IS NOT SUPPLIED OR INSTALLED BY GE HEALTHCARE

DETAIL 1



NOT TO SCALE

DETAIL 2



NOT TO SCALE

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM		CONTROL ROOM	
Temperature	Min	Max	Min	Max
	15°C [59°F]	32°C [89.6°F]	15°C [59°F]	32°C [89.6°F]
Temperature gradient	**< 10°C/h [< 50°F/h]**		**< 10°C/h [< 50°F/h]**	
Relative humidity (1)	20% to 75%		20% to 75%	
Humidity gradient	**< 30%/h**		**< 30%/h**	

STORAGE CONDITIONS

Temperature	-5°C [23°F] to +50°C [122°F]
Temperature gradient	**< 20°C/h [< 68°F/h]**
Relative humidity (1)	10% to 85%
Humidity gradient	**< 30%/h**

Storage longer than 90 days is not recommended.
(1) Non-condensing

AIR RENEWAL

According to local standards.

NOTE
In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

HEAT DISSIPATION DETAILS

ROOM	DESCRIPTION	HEAT DISSIPATION (kW)		HEAT DISSIPATION (BTU/hr)	
		STANDBY	IN-USE	STANDBY	IN-USE
Exam Room	Table	0.071	0.253	242	863
	Table Detector power	0.015	0.045	51	154
	Wall Stand (Standard/Extended)	0.035	0.072	119	246
	WS Detector power	0.015	0.045	51	154
	System Cabinet	0.591	1.180	2017	4026
	OTS & Collimator	0.058	0.159	198	543
	Tube Rotor	0	0.222	0	758
	AP	0.017	0.017	58	58
	TOTAL	**0.802**	**1.993**	**2736.0**	**6802.0**
Control Room	PC and Monitor	0.14	0.24	478	819
	UPS	0.009	0.013	31.61	45.45
	TOTAL	**0.149**	**0.253**	**509.6**	**864.5**

CONNECTIVITY REQUIREMENTS

Your new GE Healthcare imaging modality will require local and remote connectivity to enable our full range of digital support:

- Local connectivity - This allows your system to connect to local devices such as PACS and modality worklist. We will require network information to configure the system(s), and a live ethernet port(s) prior to the delivery of the system(s).
- Remote connectivity - Your GE Healthcare service warranty includes InSite™ (applicable to InSite capable products), a powerful broadband-based service which enables digital tools that can help guard your hospital against equipment downtime and revenue loss by quickly connecting you to a GE Healthcare expert.

Depending on product family and software version, imaging systems can be connected in one of the following methods:

1. TLS over TCP Port 443 (Preferred method for new products) via:
    a. DNS resolution
    b. Customer-provided Proxy or
    c. GE Proxy (Available in some regions)
2. Site-to-Site IPsec VPN tunnel

Please provide the GE project manager with the contact information for the resource that can provide information required to set up these connections. GEHC will send out communication to these contacts, which will include the project's Connectivity requirements, and a Connectivity form. This form will need to be completed and returned to GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the completion of the installation.

FLORIDA ELECTRICAL NOTES

GROUNDING:

- All equipment must have redundanct grounding provided by the electrical contractor.
- All nipples require ground studs.
- All duct work requires ground jumpers at all joints.
- All GE Cabinets must be connected to the duct or junction boxes with direct bonding or jumper wires.
- Overhead Tube or TV Monitors must have a ground wire from the duct or junction box to the TV Monitor or X-Ray Tube Unit.
- The electrical contractor must provide the ground conductors.

SEPERATIONS:

- All cables must be seperated by voltage marked on cables and by class from other cables.
- Dividers and proper cross over tunnels must be provided and installed by the electrical contractor.
- All digital wiring, power, buss cables and coaxial cables must be kept in separate duct compartments for their entire run.
- The termination points of monitors, vcr's, etc. require separate junction boxes and coverplates for power and video with blank coverplates provided by the electrical contractor. Individual conduit runs are suggested when possible insted of duct runs.
- Please note that it is the responsibility of the electrical contractor to procure and install all zipper tubing where deemed necessary by local code. This includes, but is not limited to cross-overs, junction boxes and sections of raceways where adequate dividers are not in place.

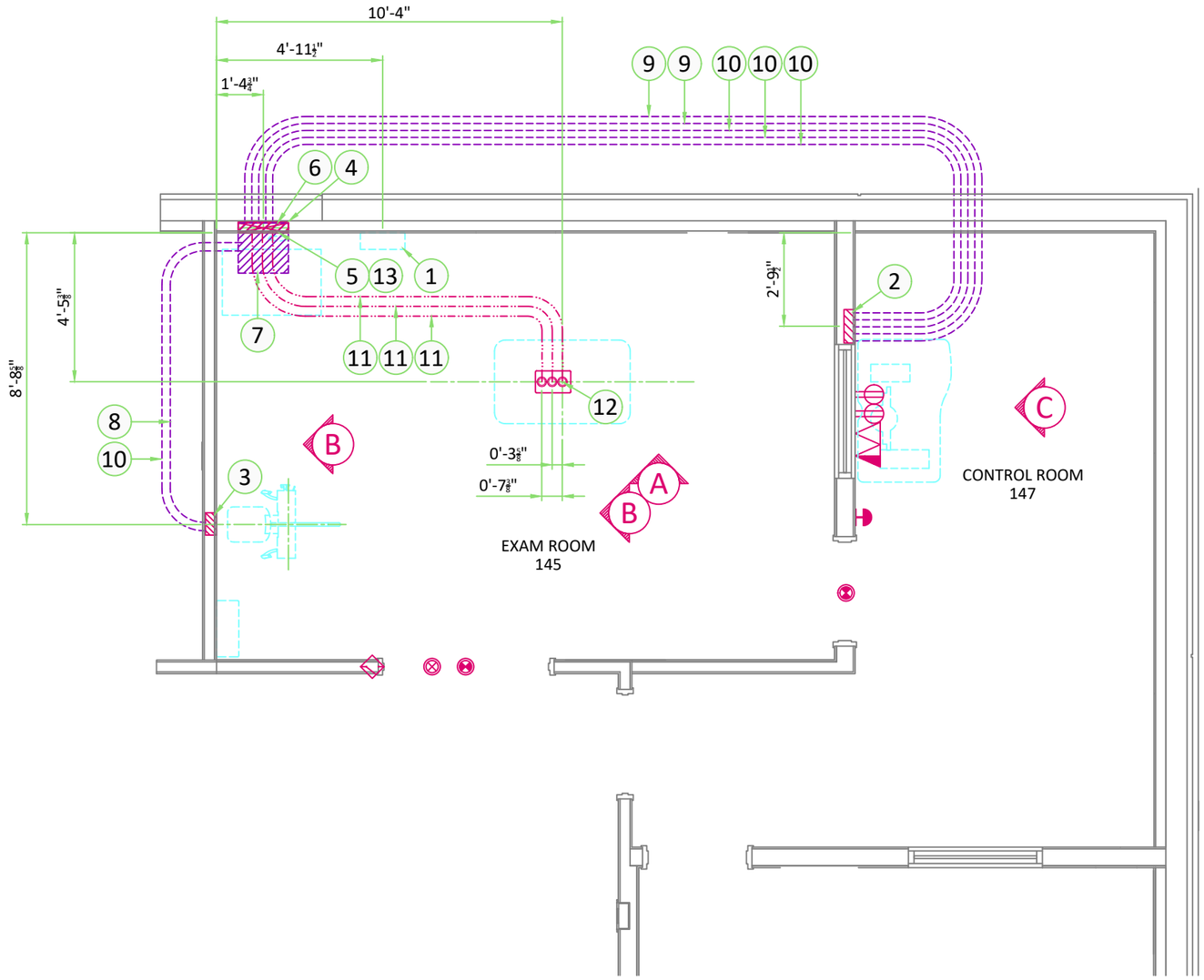
MRI:

- Convenience outlet in Magnet Room must be for service only per ACHA requirements and marked "FOR SERVICE ONLY" or as directed by latest ACHA requirements.

ELECTRICAL NOTES

1. Aluminum or solid wires are not allowed.
2. Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
3. It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
4. Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
5. Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distribution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
6. General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
7. Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
8. Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
9. In some cases GEHC will specify ground wires to be sized larger than code. In these situations, the GEHC specification must be followed.
10. A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
11. The maximum point to point distances illustrated on this drawing must not be exceeded.
12. Physical connection of primary power to GEHC equipment is to be made by customers electrical contractor with the supervision of a GEHC representative. The GEHC representative would be required to identify the physical connection location, and insure proper handling of GEHC equipment.
13. GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.
14. Every installation is unique. The electrical contractor will be required to support the installation of the GEHC equipment by providing knockouts, grommeted openings, bushings, etc. as required. All power connections to be performed by the electrician.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor. All junction boxes shall be provided with covers.
- Conduit and duct runs shall have gradual sweep radius bends.
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:
  1.Ductwork shall be metal with dividers and have removable, accessible covers.
  2. Ductwork shall be certified/rated for electrical power purposes.
  3. Ductwork shall be electrically and mechanically bonded together in an approved manner.
  4. PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customers contractor.
- Electrical contractor to provide measured pull strings in all conduit and raceway runs.
- Provide 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.



Item	Electrical Layout Item List
1	Main Disconnect Panel (MDP)
2	Flush box - size per local code (Operator's console)
3	Flush box - size per local code (Wall stand)
4	Flush box - size per local code (Systems cabinet)
5	Grommeted opening (Access Point)
6	18" x 3 1/2" [450 x 100] Flush vertical wall duct with minimum 2 dividers
7	Box above ceiling - size per local code
8	One 1 1/2" [38] conduit above ceiling
9	One 2" [50] conduit above ceiling
10	One 2 1/2" [64] conduit above ceiling
11	One 2 1/2" [64] conduit below floor
12	Suitable bushings & locknuts (Table)
13	Grommeted opening (OTS)

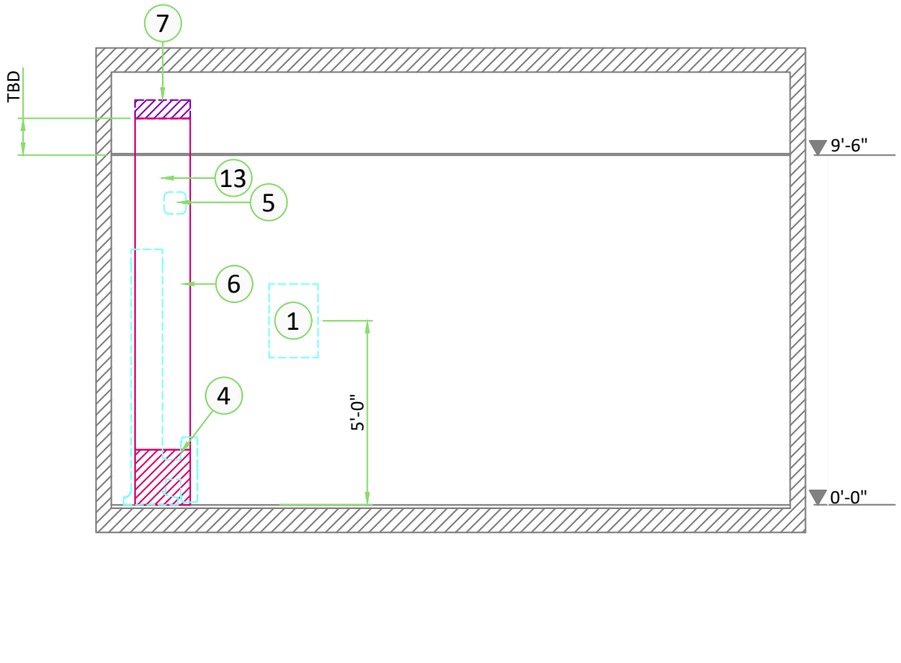
ITEM	Electrical Outlet Legend Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.
	System emergency off (SEO), (recommended height 1.2m [48"] above floor)
	X-Ray room warning light control panel
	X-Ray ON lamp (L1) - 24V
	Door interlock switch (needed only if required by state/local codes)
	Duplex hospital grade, dedicated wall outlet 120-v, single phase power
	Dedicated telephone line(s)
	Network outlet

Cable Length Note:

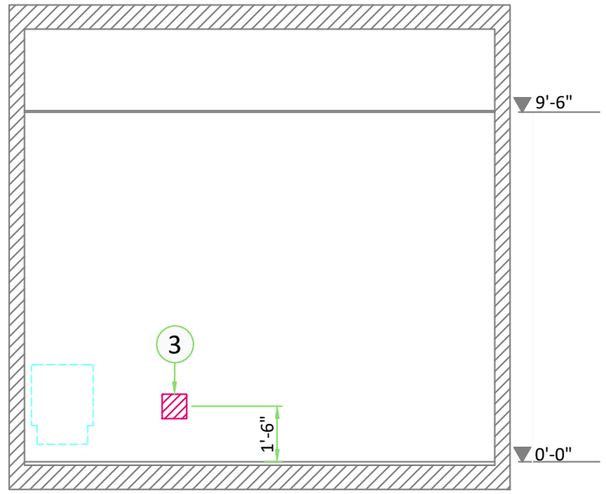
Routing of cable ductwork, conduits, etc., **must run direct as possible** otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).

Additional Conduit Runs
(Contractor Supplied and Installed)

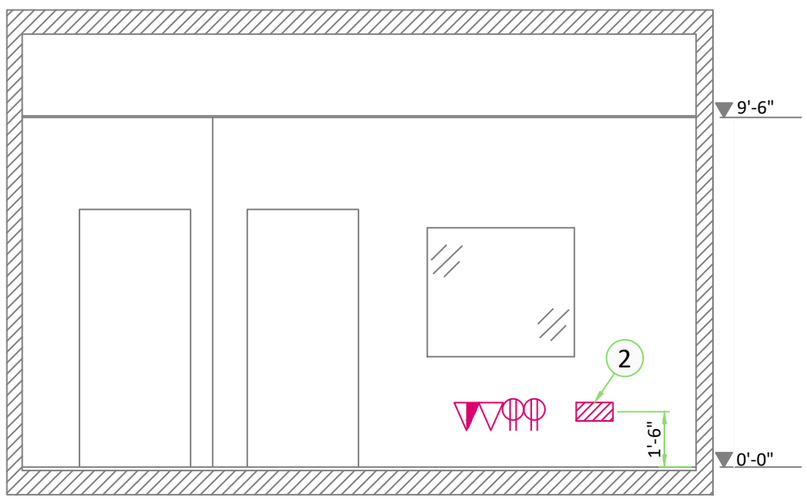
From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size	
			In.	mm
3 Phase Power	1 Main Disconnect	1	As req'd	As req'd
1 Main Disconnect	Emergency Off	1	1/2	13
	7 Systems Cabinet	1	As req'd	As req'd
Warning Light	Warning Light Control	1	1/2	13
1 Phase Power		1	As req'd	As req'd
7 Systems Cabinet		1	1/2	13
	Door Switch	1	1/2	16
2 Operator's console	7 Access Point	1	2	53



A

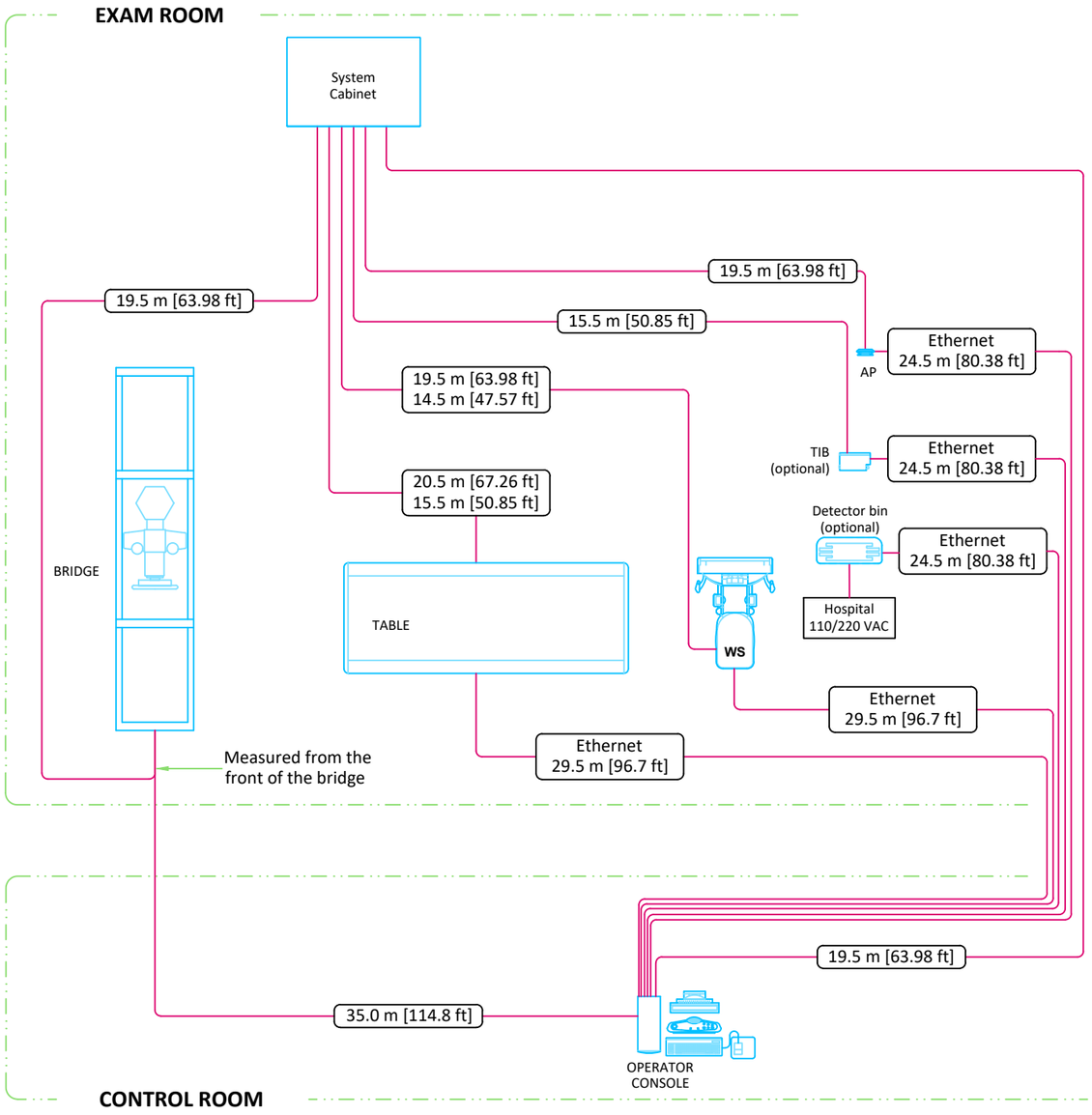


B



C

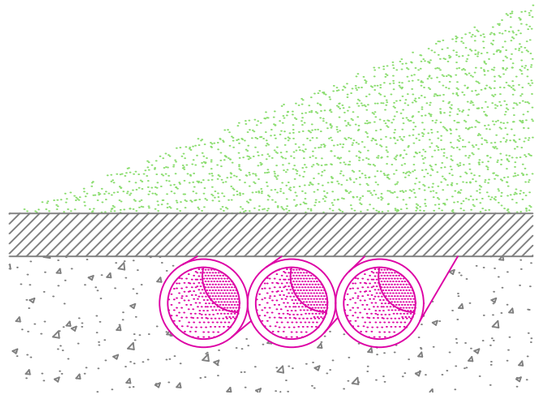
INTERCONNECTIONS



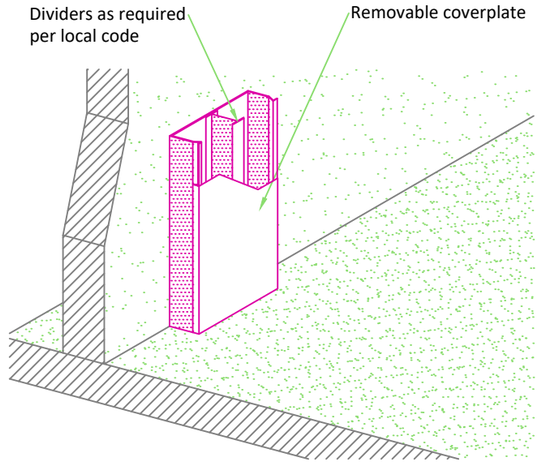
.....m [.....ft] - Long usable length
.....m [.....ft] - Standard usable length

TYPICAL CABLE MANAGEMENT

CONDUIT IN THE FLOOR

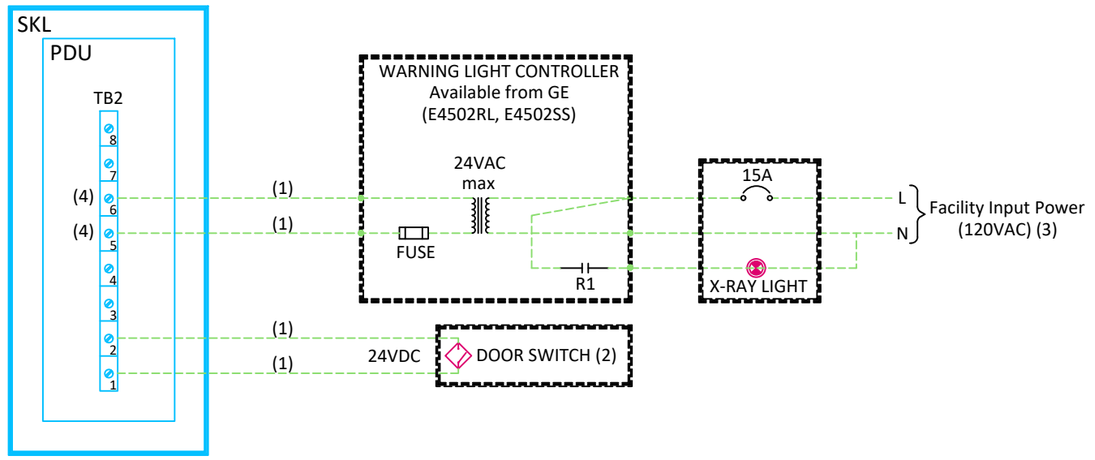


VERTICAL DUCT ON WALL



NOT TO SCALE

EXAM ROOM WARNING LIGHT AND DOOR INTERLOCK



Notes :

(1) Wire size: 2mm² [14 AWG] at 24V
(2) Door Interlock circuit is jumpered out if a door switch is not provided.
(3) Grounding not shown on the detail, but must comply with local codes.
(4) Normally open relay contact in cabinet

Cable SUPPLIED BY CUSTOMER
Cable SUPPLIED BY GE
Equipment SUPPLIED BY CUSTOMER
Equipment SUPPLIED BY GE

PDU Power Distribution Unit
SKL System Cabinet
TB2 Terminal Block 2

Fuse
Relay coil and contact - normally open (de-energized state)
Control power transformer
Circuit breaker

POWER REQUIREMENTS

POWER SUPPLY	380/400/415/440/460/480VAC Wye THREE-PHASE + G ±10%
FREQUENCIES	50/60Hz ± 3Hz
POWER DEMAND	97kVA
MAXIMUM LINE RESISTANCE PER 2 PHASES (Ohm)	380V : 0.118 / 400V : 0.131 / 415V : 0.138 440V : 0.154 / 480V : 0.185

- Shunt trip circuit breaker required. The main circuit breaker supplied by the customermust be sized in accordance with local regulations. The customer's Mains Disconnect Panel (MDP/PDB) must supply the LOTO capability.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective material at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP/PDB.

SUPPLY CHARACTERISTICS

- Power input must be separated from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...)
- All equipment (lighting, power outlets, etc...) installed with GEHC system components must be powered separately.

GROUND SYSTEM

- Equipotential : the equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GEHC cableways and to additional equipotential connections linking up all the conducting units in the rooms where GEHC units are located.

CABLES

- Power and cable installation must comply with the distribution diagram below.
- All cables must be isolated and flexible.
- Cable color codes must comply with standards for electrical installation.
- Cables for signals and remote control (Y, SEO, L...) will go to MDP/PDB with a pigtail length of 1.5m [4.9 ft], and will be connected during installation. Each conductor will be identified and isolated (screw connector).

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

- Protecting cables against water (cableways should be waterproof)
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts)
- Protecting cables against temperature shocks
- Replacing cables (cableways should be large enough for cables to be replaced) metal cableways should be grounded.

POWER DISTRIBUTION

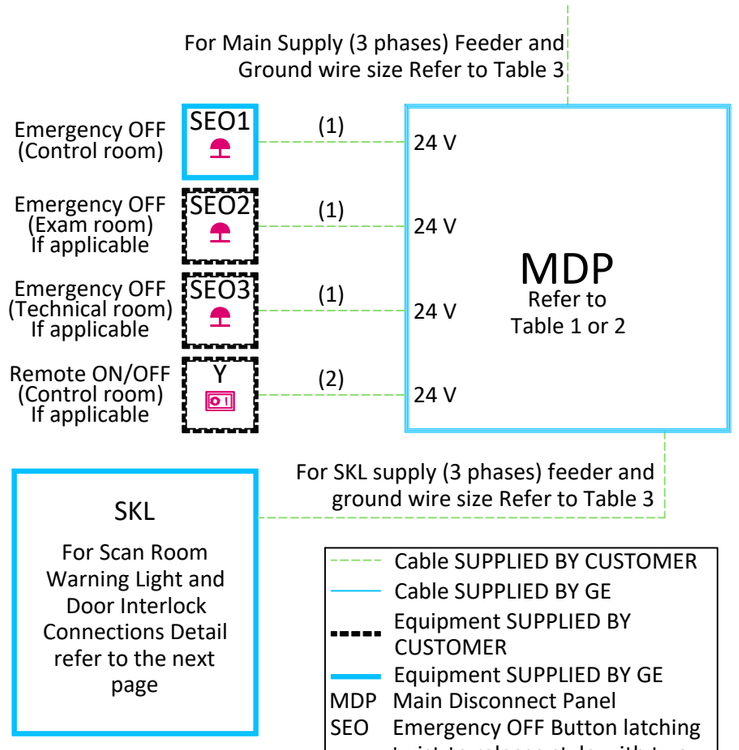


Table 1:

GE Supplied Main Disconnect Panel (MDP)

Region	CAT number	Amps
EU EAGM	E46001RX/LX	150
LATAM USCAN	E4502RP	90*
	E4502ST	80
	E4502RS	110
	E4502RT	150
	E4502JH	225
	E4502RY	125*
*with auto restart		

Table 2:

Recommended minimum customer supplied Main Disconnect Panel (MDP) rating

Power/Voltage	65 kW
380 V	74 A
400 V	70 A
415 V	67 A
440 V	64 A
460 V	61 A
480 V	59 A

Table 3:

Feeder Table - JEDI 65kW Systems Cabinet

- Calculations based on nominal voltage.
- Recommended feeder sizes from distribution transformer to the power cabinet.
- Neutral must be terminated inside the Main Disconnect Panel (MDP) and not at any GE cabinet
- If the wire size does not match the table below, please select the nearest wire size as per to local standards.

Wire run length ft (m)	Minimum Wire Size, AWG or MCM (mm²)/VAC					
	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*
100 (30)	3 (30)	4 (22)*	4 (22)*	4 (22)*	4 (22)*	4 (22)*
150 (46)	2 (35)	2 (35)	2 (35)	3 (30)	3 (30)	4 (22)*
200 (61)	1/0 (55)	1 (45)	1 (45)	2 (35)	2 (35)	2 (35)
250 (76)	2/0 (70)	2/0 (70)	1/0 (55)	1 (45)	1 (45)	1 (45)
300 (91)	3/0 (85)	2/0 (70)	2/0 (70)	1/0 (55)	1/0 (55)	1/0 (55)
350 (107)	4/0 (100)	3/0 (85)	3/0 (85)	2/0 (70)	2/0 (70)	1/0 (55)
400 (122)	250M (125)	4/0 (100)	4/0 (100)	3/0 (85)	3/0 (85)	2/0 (70)
450 (138)	300M (150)	250M (125)	4/0 (100)	4/0 (100)	3/0 (85)	3/0 (85)
*minimum wire size for circuit breaker, based on recommended overcurrent protection						
Grounding						
The grounding conductor will be of same size as the feeder. This ground will run from the equipment back to the facility power source/main grounding point and always travel in the same conduit with the feeders and neutral.						

Notes :

(1) Wire size: 2x1.5mm² [16AWG]

(2) Wire size: 6x2mm² [14AWG] and 1x2mm² [14AWG] GND



ARCH. FIRM: HEREFORD DOOLEY

StorageSystems UNLIMITED
A CME Corp Company

ARCH. DATE: 09-26-2025
ACCT. MANAGER: KN
DWN. BY: DB
SCALE: 3/16"=1'-0"

SS REV. -

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
NEW FSER

ISSUE DATE: 10-23-2025

STORAGE SYSTEMS LAYOUT

QUOTE #: 629939

DRAWING #

SS-1

30x42

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#6060

CYLINDER STORAGE RACK
15"W X 12"D X 19.5"H
6 CYLINDER CAPACITY
FOR C/D/E TANKS

Room
129



#911DS272

BLACK STEEL DEPOSITORY SAFE
w/ ELECTRONIC KEYPAD LOCK
AND INDEPENDENT TOP LOCKER
14" X 14" X 27 1/4"

Room
126

#CRASH CART

TO BE DETERMINED

Room
104
109



#P-1069-A-SS

MAYO STAND
WITH 16 1/4" x 21 1/4" TRAY
HAND OPERATED,
SS, HEIGHT ADJ
FROM 36" TO 62",
3 CASTERS
P-1069-A-SS

Room
107
109
114
116
118
133
135
137
139
140
141
142



#P-1572-4

IV STAND, FOUR HOOKS
HAND OPERATED, SS,
5 CASTERS
HEIGHT ADJ.
FROM 68" TO 108",

Room
107
109
114
116
118
133
135
137
139
140
141
142
145
148



#MH5200B

MALIGNANT HYPERTHERMIA CART
W/ MEDICAL GRADE REFRIGERATOR (FOLLETT)
TWO DRAWER, BREAKAWAY LOCK
37.5"W x 26"D x 48.5"H

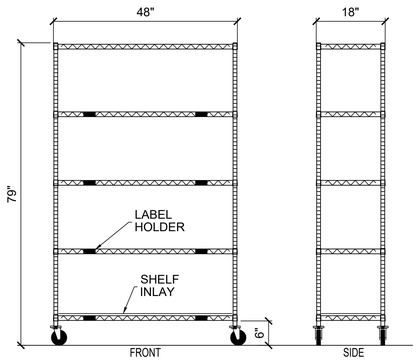
Room
129



#MY1627-34BU

UTILITY CART
31 7/16"W x 18 5/16"D x 35 3/8"H
3 SHELVES
ANTIMICROBIAL

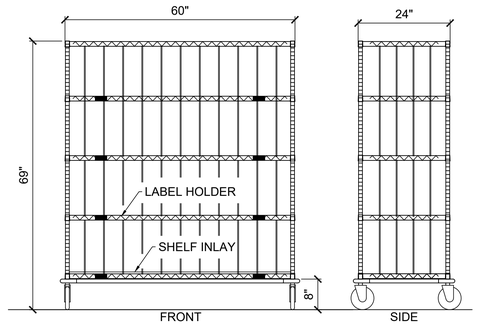
Room
151



#SSUKIT1291

WIRE SHELVING ON CASTERS
48"W x 18"D x 79"H
5 SHELVES

Room
129



#SSUKIT1669

LARGE LINEN CART
60"L x 24"D x 69"H
5 SHELVES WITH GUARD,
COVER & DOLLY BASE

Room
149



#SSUKIT1872

BROSELOW CART
34.05"W x 20.03"D x 46.05"H
9 DRAWERS (8)3",(1)6"
W/ ACCESSORIES
PBL-PC-9A

Room
109



#SSUKIT2651

CART, ENT,
(3)-3", (1)-6", (1)-9" DRAWERS
WITH ELECTRONIC LOCK
W/KEY OVERRIDE, PASS THRU SHELF,
TWO-TONE, TRAYS/DIVIDERS,
TDMETPPAD3110-XX
SAGE GREEN
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

Room
129



#SSUKIT2652

CART, ORTHO,
(3)-3", (2)-6", (1)-9" DRAWERS
WITH ELECTRONIC LOCK
W/KEY OVERRIDE, PASS THRU SHELF,
TWO-TONE, TRAYS/DIVIDERS
TDMETPPAD3210-XX
TAUPE
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

Room
129

ARCHITECT / CONTRACTOR NOTE:

1. VERIFY LOCKER LOCATION TO A HEIGHT OF 84" AFF. IS FREE AND CLEAR OF ANY OBSTRUCTIONS SUCH AS: CLOCKS, TELEPHONE JACKS, ELECTRICAL OUTLETS, LIGHT SWITCHES, FIRE ALARMS, THERMOSTATS, CALL BOXES, ETC...
2. CLARIFY ALL OBSTRUCTIONS WITH A DESCRIPTION AND DIMENSION TO THE OBSTRUCTION.

INSTALLER NOTE:

1. VERIFY CEILING HEIGHTS.
2. RETURN ALL INFORMATION TO STORAGE SYSTEMS UNLIMITED WITH ANY OTHER PERTINENT INFORMATION.
3. VERIFY ALL ROOM DIMENSIONS INCLUDING DOOR OPENINGS, WINDOW OPENINGS, AND COLUMNS.

ARCH. FIRM: HEREFORD DOOLEY

StorageSystems UNLIMITED
A CME Corp Company

ARCH. DATE: 09-26-2025
ACCT. MANAGER: KN
DWN. BY: DB
SCALE: NTS

SS REV. -

SANTA ROSA FSER
HIGHWAY 98, SANTA ROSA BEACH, FL 32459
NEW FSER

ISSUE DATE: 10-23-2025

EQUIPMENT ELEVTIONS

QUOTE #: 629939

DRAWING #

SS-2

30x42

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#SSUKIT2653

CART, IV,
(3)-3", (2)-6", (1)-9" DRAWERS
WITH ELECTRONIC LOCK
W/KEY OVERRIDE, PASS THRU SHELF,
TWO-TONE, TRAYS/DIVIDERS
TDMETPPAD3210-XX
HUNTER GREEN
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

Room
129



#SSUKIT2654

CART, SUTURE,
(3)-3", (2)-6", (1)-9" DRAWERS
WITH ELECTRONIC LOCK
W/KEY OVERRIDE, PASS THRU SHELF,
TRELLIS, TWO-TONE,
TRAYS/DIVIDERS
TDMETPPAD3210-XX
MOSS GREY
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

Room
129



#SSUKIT2655

CART, GYN,
(3)-3", (1)-6", (1)-9" DRAWERS
WITH ELECTRONIC LOCK
W/KEY OVERRIDE, PASS THRU SHELF,
TWO-TONE, TRAYS/DIVIDERS,
TDMETPPAD3110-XX
AUTUMN RED
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

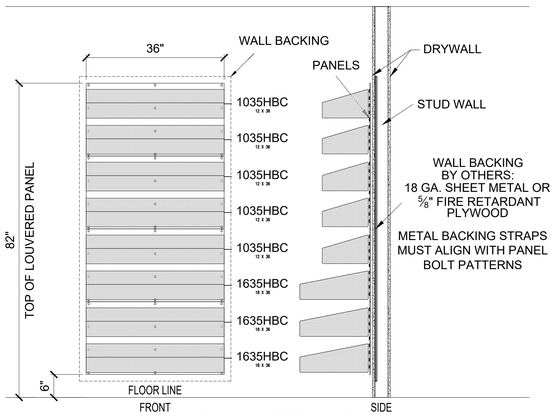
Room
129



#SSUKIT2656

CART, MINI, STEEL,
4 DRAWERS (2)-3", (1)-6", (1)-9"
DRAWERS WITH ELECTRIC LOCK W/KEY
OVERRIDE, ONE DIVIDER TRAY,
BEIGE DRAWER FRONTS
(COLOR NOT SHOWN. PIC FOR
REFERENCE ONLY)

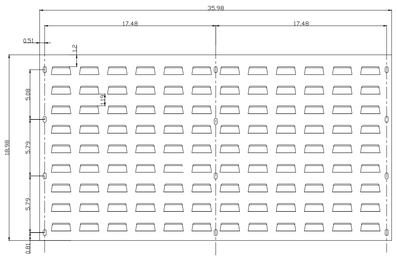
Room
107
109
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142



#SSUKIT2573

FOUR "STACK" OF LOUVERED PANELS 36"W x 19"H EA.
ELEVATION AND RECOMMENDED MOUNTING DETAILS.
W/ WIRE BASKETS, DIVIDERS, & LABEL HOLDERS
BOTTOM BASKET HAS SHELF LINER

Room
157



#36x19 PANEL

EXAMPLE OF THE 36"X19" LOUVERED PANEL
BOLT PATTERN



#WS-HDS12

HEAVY-DUTY 12" SPIKE
50 LB. LOAD CAPACITY



#WS-SR9C

9" SINGLE ROD
15 LB. LOAD CAPACITY

Room
157

ARCHITECT / CONTRACTOR NOTE:

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2. CLARIFY ALL OBSTRUCTIONS WITH A DESCRIPTION AND DIMENSION TO THE OBSTRUCTION.

INSTALLER NOTE:

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3. VERIFY ALL ROOM DIMENSIONS INCLUDING DOOR OPENINGS, WINDOW OPENINGS, AND COLUMNS.

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SANTA ROSA FSER
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1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'

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PROJECT # 225014.00

SANTA ROSA FSER
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HCA FLORIDA FORT WALTON HOSPITAL
1000 MAR-WALT DR, FORT WALTON BEACH, FL 32547

STATUS
SCHEMATIC DESIGN

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
09/26/2025

TITLE
PRESENTATION FLOOR PLAN

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