

SYMBOL LEGEND

MATERIAL SYMBOLS					
EARTH		PLYWOOD			
GRANULAR FILL		ACQUISOL OR GEBÄUDE- WEICHE			
CONCRETE		GEMAUERTEN/ STÜCKGROUT			
CONCRETE MASSIV UND		RIGID INSULATION			
BRICK		FIRE SAFING/ CORR.FILLER			
FINISHED WOOD		BATT INSULATION			
ROUGH WOOD (CONTINUOUS)		LATH			
ROUGH WOOD (NOT CONTINUOUS)		DIT DAMPROOFING			

GENERAL SYMBOLS

DETAIL

DETAIL NUMBER: 4
SHEET REFERENCE: A.81
SCALE: 1"=6"

BUILDING SECTION

SECTION NUMBER: 8
SHEET REFERENCE: A.81

SECTION CUTS

SECTION NUMBER: 14
SHEET REFERENCE: A.81

DETAIL

NAME: (NPS)
ROOM NAME: ROOM NUMBER
DOOR MARK: (D)
WINDOW MARK: (W)
WALL TYPE MARK: (SW)

BUILDING SECTION

12'-4"
FINISH FLOOR ELEVATION
INTERIOR ELEVATION

SECTION CUTS

COLUMN REFERENCE AND GRID LINES

ABBREVIATIONS					
#	AT	FDN	FOUNDATION	OC	ON CENTER(S)
ACT	ACCUALITY LINE	FE	FIRE EXTINGUISHER	OD	OUTSIDE DIAMETER
AD	ADDITIONAL	FG	FIRE EXTINGUISHER CABINET	OF	OFF CENTER
AE	ARCHITECT/ENGINEER	FF	FINISHED FLOOR	OR	COUNTER COUNTER INSTALLED
AF	AFRAME FINISHED FLOOR	FG	FINISHED FLOOR	OR	COUNTER FINISHED
AHJ	AHJ HAVING AN	FN	FINISHED	ORCR	COUNTER ROUNDED
APPROX	APPROXIMATE	FO	FOOT	OR	COUNTER ROUNDED
AS	AS REQUIRED	FP	FOOTPRINT	OV	OVERHEAD
BD	BOARD	FO	FOOT	OP	OPPOSITE HEAD
BO	BUTTERFLY	FTG	FACE OF	OPP	OPPOSITE
BLDG	BUILDING	GA	GAGE/GAUGE	PL	PLATE
BLK	BLACK	GA	GALVANIZED	PLM	PLASTIC LAMINATE
BLK	BLOCKING	GLV	GLASS/GLASSING	PL	PLATE
BOF	BOTTOM	GUD	GYPHUM WALL BOARD	PT	PRESSURE TREATED
BRK	BREAKING	GTP	GYPHUM	QT	QUARRY TILE
BRK	BRICK	H	HANDICAP ACCESSIBLE	R	RISER/RUN
BUR	BURIED PL ROOFING	HU	HARDWARE	RD	ROAD DRAIN
CB	CEMENT PLASTER	HR	HOLLOW	RE	RECESSED
CH	CONCRETE RANISHED COUNTER INSTALLED	HT	HEIGHT/HIGH	REN	REINFORCED(ING)
CHM	CHIMNEY	HVAC	HEATING, VENTILATING AND	RES	RESIST
CJ	CONTROL, UNITS	AC	AIR CONDITIONING	REB	REBUILT
CL	CONCRECTION JUNT	ID	INSIDE DIAMETER	REV	REVEALED(ING)
CL	CLING	IN	INCH	RO	ROUGH
CG	CONCRETE MASONRY UNIT	INSL	INSULATION	RO	ROUGH
COL	COLOR	INT	INTERIOR	R	ROOF
CONC	CONCRETE	N	NORTH	S	SOUTH
CONF	CONFERENCE	JT	JUNCTION	S	SOLID CORE
CONT	CONTINUOUS	L	LENGTH	SECT	SECTION
CP	CERAMIC TILE	LAV	LAVATORY	SH	SHALL
CP	CERAMIC TILE	LF	LINEAL FEET	SPEC	SPECIFICATION
DEMO	DEMOLITION	L	LENGTH	STRUT	STRUCTURAL
DET	DETENTION	LT	LINEAL FEET	S	SYSTEM
DF	DRINKING FONTAIN	MAX	MAXIMUM	T	TREAD
DA	DIAMETER	MCH	MECHANICAL	T	TREAD
DI	DIMENSION	MTL	METAL	TK	TRUCK
DV	DIVISION	MFR	MANUFACTURER	TO	TOP OF
DR	DRIVE	MAN	MANHOLE	TP	TRIP
DR	DOOR	MSC	MISCELLANEOUS	UL	UNDERCUT
DUG	DRAIN(ING)	N	NORTH	UL	UNDERCUTS LABORATORY
E	EAST	NA	NOT APPLICABLE	UN	UNLESS OTHERWISE NOTED
E	EACH	N	NOT IN CONTRACT	VCT	VINYL COMPOSITION TILE
EF	EXPANSION JUNT	NO	NUMBER	VERT	VERTICAL
EL	ELEVATION	NBT	NOT TO SCALE	VNT	VENT NIPPLE
ELEC	ELECTRICAL	NTS	NOT TO SCALE	VYC	VINYL WALL COVERING
ELV	ELEVATOR				
EQ	EQUIPMENT				
EWG	EXTINGUISHING WATER GOURT				
EXP	EXISTING				
EXP	EXPANDED				
EXT	EXTERIOR				

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CODES REFERENCED IN THESE DOCUMENTS AND AS ADOPTED AND SUPPLEMENTED BY LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL BUILDING PERMITS FROM THE LOCAL BUILDING DEPARTMENTS AS REQUIRED BY CITY/COUNTY REGULATIONS. FEES FOR SUCH PERMITS SHALL BE PAID BY THE CONTRACTOR AND A SET OF APPROVED DRAWINGS AND ORIGINAL PERMITS SHALL BE RETAINED ON SITE FOR THE DURATION OF THE PROJECT.
3. THE DESIGN INFORMATION SHOWN ON THE DRAWINGS PROVIDES OVERALL DIMENSIONAL PARAMETERS AND DESCRIBES ELEMENTS TO BE CONSTRUCTED. THE CONTRACTOR SHALL ADJUST DIMENSIONS AND DETAILS AS REQUIRED TO FIT EXISTING CONDITIONS. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ALL PROPOSED MODIFICATIONS.
4. NO CHANGES TO THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT OR ENGINEER, AS APPLICABLE.
5. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES ON THESE DOCUMENTS.
6. ALL EXTERIOR COMPONENTS SHALL HAVE FLORIDA APPROVAL NUMBERS.
7. EXTERIOR GLAZING SHALL BE IMPACT RATED. PROVIDE OPTIONAL PRICE FOR NON-IMPACT RATED.
8. EXTERIOR DOORS SHALL BE IMPACT RATED. PROVIDE OPTIONAL PRICE FOR NON-IMPACT RATED.
9. FIRE SPINKLER / FIRE ALARM IF REQUIRED SHALL BE DESIGNED BY OTHERS AS REQUIRED TO MEET *IBC 2010*, *NFPA*, & *FLORIDA FIRE PREVENTION CODE*.

SHOP DRAWINGS

COPIES OF ALL SHOP DRAWINGS FOR STRUCTURAL OR LIFE
SAFETY RELATED COMPONENTS SHALL BE SUBMITTED TO THE
ARCHITECT & OWNER FOR APPROVAL.

THE CONTRACTOR SHALL SUBMIT DETAILED FABRICATION AND
INSTALLATION DRAWINGS AND PRODUCT LITERATURE FOR THE
FOLLOWING ITEMS. ARCHITECT REVIEW OF SHOP DRAWING IS FOR
CONFORMANCE OF THE SUBMITTAL WITH THE DESIGN CONCEPTS
DELINEATED IN THESE DOCUMENTS. THE CONTRACTOR AND/OR
PRODUCT MANUFACTURER SHALL BE RESPONSIBLE FOR THE
ACCURACY AND PERFORMANCE OF THE PRODUCT AND ITS
COORDINATION WITH THE OTHER TRADES.

1. STRUCTURAL STEEL
2. METAL STUD FRAMING
3. ROOF TRUSSES, LVL, & PRE-ENGINEERED BEAMS
4. REINFORCING STEEL
5. CONCRETE DESIGN MIXES
6. WATERPROOF MEMBRANES
7. RAILINGS & HANDRAILS
8. ARCHITECTURAL PRE-CAST OR PRE-FORMED COLUMNS
9. APPLIED FOAM TRIM, WINDOW/DOOR HEADS, AND ARCHITECTURAL DETAILING
10. BATHROOM ACCESSORIES & MIRRORS
11. ALL FLOOR, WALL, AND CEILING FINISHES
12. ALL CABINETRY
13. ELEVATORS
14. STAIRS AND HANDRAILS
15. ALL HEATING & VENTILATING EQUIPMENT
16. ELECTRICAL FIXTURES & EQUIPMENT
17. ALL PLUMBING FIXTURES
18. DOORS, WINDOWS, AND ALL HARDWARE
19. FIREPLACES
20. APPLIANCES

PERFORMANCE STANDARDS

ALL MATERIALS, PRODUCTS AND THEIR INSTALLATION SHALL MEET THE PRODUCT APPROVAL OF AND BE INSTALLED IN ACCORDANCE WITH THE STANDARDS ESTABLISHED BY THE FOLLOWING AGENCIES, AS APPLICABLE:

- ASTM - AMERICAN SOCIETY OF TESTING MATERIALS
- ACI - AMERICAN CONCRETE INSTITUTE
- AFPA - AMERICAN FOREST & PAPER ASSOCIATION
- ASCC - AMERICAN INSTITUTE OF CEMENT CONSTRUCTION
- AWC - AMERICAN WOOD INSTITUTE
- AWPB - AMERICAN WOOD PRESERVATIVES BUREAU
- ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
- AAIA - ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION
- FBG - FLORIDA BUILDING CODE
- GA - GYPSUM BOARD
- LSC - LIFE SAFETY CODE
- NER - NATIONAL EVALUATION SERVICE INC
- NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- NDU - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
- OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
- SJ - STEEL JOIST INSTITUTE
- TCA - TILE COUNCIL OF AMERICA
- UL - UNDERWRITERS LABORATORIES

NOTE:

ARCHITECT NOT RESPONSIBLE FOR ANY CIVIL WORK, SITE WORK,
LANDSCAPE DESIGN, FIRE SUPPRESSION SYSTEMS, OR ANY
OTHER WORK NOT SPECIFICALLY ADDRESSED BY THESE
DOCUMENTS.

THIS PROJECT IS A PRE-FAB METAL BUILDING. COORDINATE ALL DIMENSIONS WITH METAL BUILDING SHOP DRAWINGS. PROVIDE FULL SHOP DRAWINGS SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.

PROVIDE FULL SHOP DRAWINGS WITH ALL LOADING AND REACTIONS TO STRUCTURAL ENGINEER FOR FOUNDATION DESIGN VERIFICATION PRIOR TO ANY CONSTRUCTION ACTIVITY.

BUILDING DESIGN DATA

APPLICABLE CODES

2020 FLORIDA BUILDING CODE, BUILDING, 1TH EDITION
2020 FLORIDA BUILDING CODE, ACCESSIBILITY, 1TH EDITION
2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION, 1TH EDITION
2020 FLORIDA BUILDING CODE, PLUMBING, 1TH EDITION
2020 FLORIDA BUILDING CODE, MECHANICAL, 1TH EDITION,
2020 FLORIDA BUILDING CODE, FUEL GAS, 1TH EDITION
FLORIDA FIRE PREVENTION CODE
NATIONAL ELECTRICAL CODE 2017
NFPA 70E LIFE SAFETY CODE 2020 W/ AMENDMENTS
FLORIDA STATUTES
FLORIDA ADMINISTRATIVE CODE
REFER TO OTHER DRAWINGS FOR OTHER APPLICABLE CODES

PROJECT DATA

METAL BUILDING - EQUIPMENT STORAGE AND OFFICE SPACE
TOTAL SF = 9,600 SF

OCCUPANT LOADS:
 BUSINESS OCCUPANCY = 1,320 SF / 150 SF / OCC = 13 OCC.
 STORAGE S2 OCC. = 7,680 SF / 300 SF/OCC = 26 OCC
 TOTAL OCCUPANT LOAD = 39 OCC.

FIRE SPRINKLER NOTE: BASED ON THE ALLOWABLE AREA FOR NON-SPRINKLERED 92 OCCUPANCY (13,500 SF ALLOWED), A FIRE SPRINKLER SYSTEM IS NOT REQUIRED. HOWEVER, THE AHJ, AUTHORITY HAVING JURISDICTION, MAY REQUIRE A FIRE SPRINKLER SYSTEM/ALARM BASED ON THE ACTUAL STORAGE MATERIALS AND EQUIPMENT THAT THE OWNER PLACES IN THE STORAGE AREA. CONTRACTOR SHALL COORDINATE FIRE SPRINKLER REQUIREMENTS W/ THE OWNER AND AHJ. IF A FIRE SPRINKLER/ALARM IS REQUIRED, IT SHALL BE DESIGNED BY OTHERS AND SHALL MEET THE REQUIREMENTS OF FBC 2020, NFPA CODES, AND THE FLORIDA FIRE PREVENTION CODE.

INDEX OF DRAWINGS

MAIN BUILDING
A100 COVER
A101 FLOOR PLAN
A102 ELEVATIONS
A103 ELEVATIONS
A104 BUILDING SECTION
A105 ENLARGED BATHROOMS

STRUCTURAL DRAWINGS

S001 SPECIFICATIONS / NOTES
S101 FOUNDATION PLAN
S501 DETAILS

MECHANICAL / PLUMBING

M001 SCHEDULES
M100 HVAC PLAN
M101 HVAC DETAILS
M102 HVAC DETAILS

POOI NOTES AND DETAILS

PI00 BELOW FLOOR SANITARY
PI01 ABOVE FLOOR PLUMBING PLAN
PI02 PARTIAL PLUMBING PLAN
PI03 SANITARY SEWER RISER

ELECTRICAL ENGINEERING

E100 ELECTRICAL NOTES
E101 NOTES
E1002 ELECTRICAL PLANS

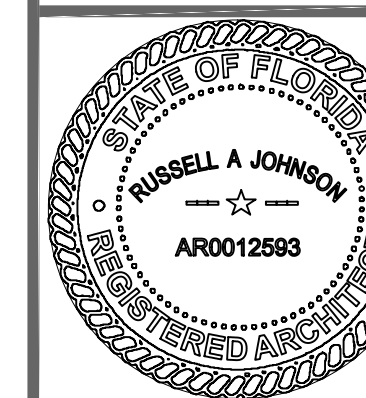
ARCHITECT RUSSELL JOHNSON, ARCHITECT P.O. BOX 1395 PANAMA CITY, FL 32401 (904) 639-4483 AR 06/2593 JCH@ARCHJRN.COM	STRUCTURAL ENGINEER APEX ENGINEERING GROUP, PLLC 16-A RICKER AVENUE SANTA ROSA BEACH, FL 32459 (904) 731-4540 WWW.APEXENGINEERINGGROUP.NET
MECHANICAL ENGINEER STEPHENS MECHANICAL ENG, LLC 525 TOMMY MUNRO DR SUITE B BLOWN, MS 39592 (228) 297-3332	ELECTRICAL ENGINEER WELCON ELECTRICAL CONSULTANTS, PLLC 14116 CUSTOMS BLVD, SUITE 1111 GULFPORT, MS 39503 (228) 872-8000

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350 630 4483
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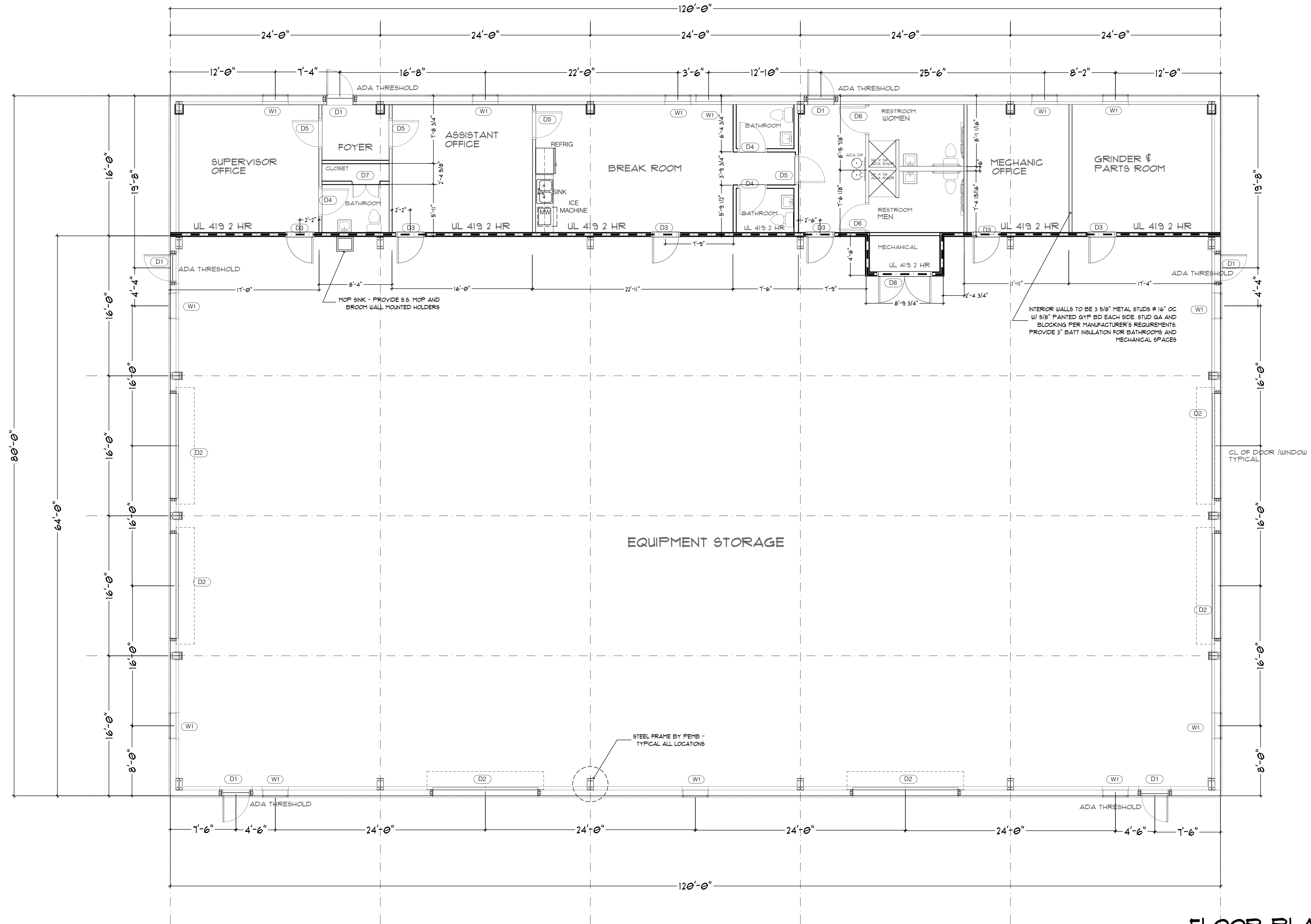
PROJECT #

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA



A - 100


OWNER REVIEW
05.17.23



INDICATES 2 HR WALL ASSEMBLY
UL 419 OR APPROVED EQUAL

FLOOR PLAN
SCALE: 3/16" = 1'-0"

RUSSELL JOHNSON ARCHITECT PL
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DATE	
DRAWN	REVIEWED
REVISIONS	
NO.	DATE
PROJECT #	

**EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING**
WALTON COUNTY, FLORIDA

A - 101



SCALE: $3/16" = 1'-0"$

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PROJECT #

WALTON COUNTY, FLORIDA
MAINTENANCE BUILDING
EAGLE SPRINGS GOLF COURSE



- APPLIANCE SCHEDULE:
COORDINATE W/ OWNER FOR FINAL SELECTIONS.
APPROVED EQUALS ARE ACCEPTABLE

-
- Diagram illustrating a kitchen cabinet layout with dimensions and options:
- Overall Dimensions:**
 - Height: 3'-0" (Total) and 2'-10" (Cabinet Body)
 - Width: 9'-6" (FIELD ADJUST)
 - Top Section (Wall Cabinet):**
 - Left: Microwave (MW) with a diamond symbol 'T'.
 - Middle: Sink (SINK) with a diamond symbol 'T'.
 - Right: No shelf (NO SHELF THIS CABINET).
 - Bottom Section (Base Cabinet):**
 - Left: Ice Maker (ICE MAKER) with a diamond symbol 'U'.
 - Middle: Sink (SINK) with a diamond symbol 'T'.
 - Right: Refrigerator (REFRIGERATOR) with a diamond symbol 'S'.
 - Options and Notes:**
 - Shelf for microwave (SHELF FOR MICROWAVE TOP OF COUNTER).
 - Refrigerator coordinate size w/ owner's selection (REFRIGERATOR COORDINATE SIZE w/ OWNER'S SELECTION).
 - 4" TOE KICK - MATCH WALL BASE.
 - (i) ADJUSTABLE SHELF PER CABINET.

BREAK ROOM CABINET ELEVATIONS

SCALE: NTS

NOTE:

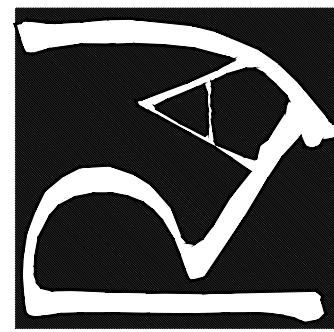
1. COORDINATE CABINET DESIGN WITH OWNER - SUBMIT SHOP DRAWINGS FOR OWNER APPROVALS PRIOR TO PURCHASE / CONSTRUCTION OF CABINETS.
2. CABINETS TO BE PLASTIC LAMINATE OVER 3/4" PLYWOOD.
3. HARDWARE TO BE STAINLESS STEEL, COMMERCIAL GRADE

DEMISING WALL - U419 OR APPROVED EQUAL

1. 3 5/8 " METAL STUDS - @ 16" OC - GAUGE AND
BLOCKING PER MANUFACTURER'S REQUIREMENTS - 25
GA MIN.
2. (2) LAYERS OF 5/8 " SHEETROCK FIRECODE CORE
PANELS EACH SIDE OF WALL - PROVIDE R19 INSULATION.
3. PROVIDE UL APPROVED FIRE RATED ASSEMBLY AT
ALL VOIDS & PENETRATIONS

BUILDING SECTION

NTS



DATE	
DRAWN	REVIEWED
REVISIONS	
NO.	DATE

PROJECT #

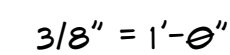
RUSSELL JOHNSON ARCHITECT PL
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NOTE: Specified products listed are for design intent/quality control, approved equals are accepted as approved by owner. Submit complete shop drawings and specs for owner review and approval.

GB; Bobrick B-6806.99 series peened satin stainless steel finished grab bars for accessible toilet
size 42" L side wall, 36" L back wall

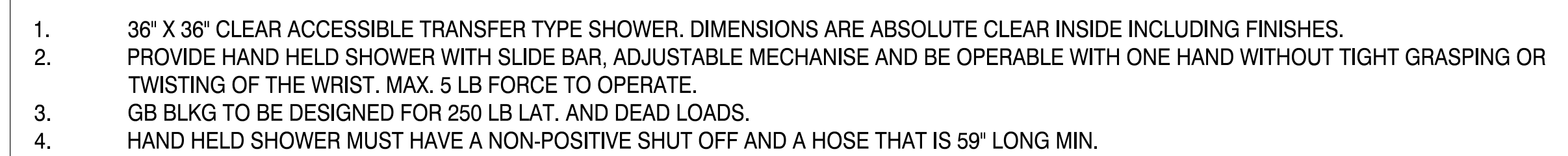
PTC; Bobrick B-262 classic series satin stainless steel finished surface mounted paper towel cabinet for folded paper.

Bobrick B 2260 satin stainless steel floor standing waste receptacle



NOTES:

1. COORDINATE TOILET ACCESSORIES WITH OWNER. SUBMIT FULL SHOP DRAWINGS / CUT SHEETS FOR OWNER APPROVAL DURING BIDDING.
2. COORDINATE MOUNTING HEIGHTS OF ACCESSORIES WITH MANUFACTURER'S DATA FOR ADA COMPLIANCE.



PLAN LEGEND

• DENOTES CIP PIER SUPPORT. SEE DETAIL D/S501 FOR REQ'S (TYP)

• DENOTES THICKENED SLAB @ WALL BEARING & SLAB STEP DOWN LOCATIONS.

• DENOTES FOOTER OUTLINE BELOW.

• DENOTES SLAB TURNDOWN OUTLINE.

NOTE: PRELIMINARY DESIGN ONLY. SUBJECT TO CHANGE UPON RELEASE OF FINAL BUILDING REACTIONS & COLUMN PLACEMENT. PEMB TO BE DESIGNED TO RESIST 140 MPH WIND SPEED (MIN.)

TYP. C.I.P. PIER & FOOTING CALLOUT

PED-72

PEDESTAL FOOTING SIZE. SEE SCH. FOR REQ'S.

A

PIER SUPPORT TYPE. SEE DETAIL D/S501. FOR REQ'S.

PEDESTAL FOOTING SCHEDULE				
DESIGNATION	TYPE	DIMENSIONS	LONGITUDINAL REINF. (T&B)	TRANSVERSE REINF. (T&B)
PED-72	PEDESTAL FTC.	18" D x 72" SQ.	(8) #5 BARS EQ. SPACED	(8) #5 BARS EQ. SPACED

CONTINUOUS FOOTING SCHEDULE				
DESIGNATION	TYPE	DIMENSIONS	CONTINUOUS REINF.	TRANSVERSE REINF.
TD-24	TURN DOWN	16" D x 24" W	(3) #5 BARS	#5 BARS x 18" @ 18" O.C.
TS-24	THICKENED SLAB	12" D x 24" W	(3) #5 BARS	#5 BARS x 18" @ 18" O.C.

FOOTING NOTES

1.

TOPS OF ALL FOOTINGS (EXCEPT TURNDOWNS) MUST BE COVERED WITH A MINIMUM OF 12" OF FINISH GRADE MATERIAL. (U.N.O.)

2.

BOTTOMS OF ALL FOOTINGS MUST BEAR ATOP UNDISTURBED SOIL OR ENGINEERED FILL COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR. A MINIMUM OF 12" BELOW EXISTING GRADE UNLESS PROPER PROVISIONS HAVE BEEN MADE FOR THE USE OF ENGINEERED FILL BASED ON A SITE SPECIFIC GEOTECHNICAL EVALUATION (BY OTHERS).

3.

ALL CONTINUOUS FOOTINGS & PEDESTALS MUST BE CENTERED ON THE WALL/PIER UNLESS SPECIFICALLY NOTED AS ECCENTRIC FOOTING.

4.

VERTICAL DOWEL HOOKS SHOULD EXTEND 9" IN TO FTC'S, BELOW & RUNNING PERPENDICULAR TO FLEXURAL REINF.

5.

NO "WET STICK" SETTING OF REINFORCING WILL BE APPROVED.

6.

ALL VERTICAL REINFORCING MUST BE IN PLACE & TIED TO FOOTING REINF. PRIOR TO POUR.

7.

COORDINATE ALL FOOTING LOCATIONS WITH CIVIL, PLUMBING, AND ELECTRICAL DRAWINGS. CONTRACTOR SHALL PROVIDE PIPE SLEEVES BELOW OR ABOVE CONTINUOUS WALL FOOTINGS.

8.

SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. IF A CONFLICT EXISTS, THE ARCH. DIMENSIONS SHALL GOVERN. BOTH ENGINEER AND ARCHITECT OF RECORD SHALL BE NOTIFIED IN WRITING OF ALL CONFLICTS.

SCHEDULE OF INSPECTIONS TO BE CONDUCTED BY E.O.R.

1.

FOUNDATION ELEMENTS:

- REVIEW OF GENERAL LAYOUT, ELEMENT SIZES, AND REINFORCING
- ALL VERT. DOWEL REINF. MUST BE IN PLACE & TIED

2.

MASONRY:

- FOUNDATION STEM WALLS AND PIERS VERT. REINF. HORIZ. REINF. & TIES
- REINF. FOR CMU WALLS, PARTITIONS, SITE WALLS & RETAINING WALLS
- REINF. REVIEW FOR LINTELS, BOND BEAMS, WALL TOP-OUTS
- SPECIAL INSPECTION REQUIRED FOR ALL REINF. NOT CENTERED WITHIN CELLS.

3.

CAST IN PLACE CONCRETE ELEMENTS:

- REINF. FOR WALLS & COLUMNS PRIOR TO CLOSING FORMWORK
- REINF. IN ALL C.I.P. BEAMS & STRUCTURAL SLABS

NOTES:

- A \$300 FEE WILL BE ACCESSED PER INSPECTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTION FEES.
- CONTRACTOR TO PROVIDE E.O.R. 24 HR ADVANCED NOTICE (MIN) PRIOR TO INSPECTION.

NOT FOR
CONSTRUCTION

RELEASE RECORD	
REVIEW ONLY / N.F.C.	06/23/2022

DESIGNER:	RSL
REVIEWED BY:	CLH
PROJECT NO:	22-101-006
SHEET SCALE:	1/4"=1'-0" U.N.O.

ATLAS
ENGINEERING AND CONSULTING

455 HARRISON AVE. SUITE B
PANAMA CITY, FLORIDA 32401
PHONE: (850) 257-5316 EMAIL: INFO@ATLASENGINEERINGFL.COM REGISTRY NO. 34399

NEW PRE-ENGINEERED BUILDING FOUNDATION

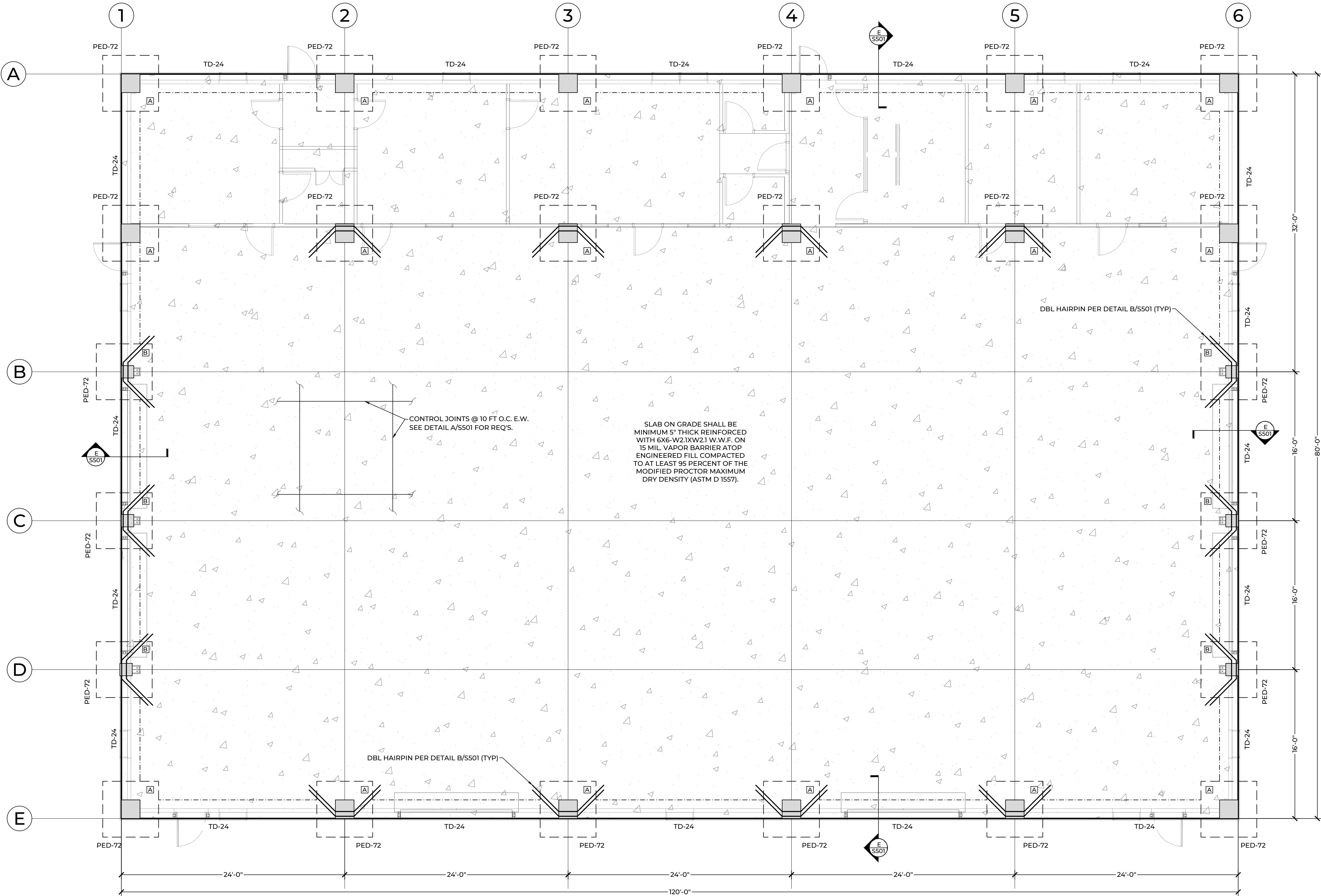
EAGLE SPRINGS
GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA

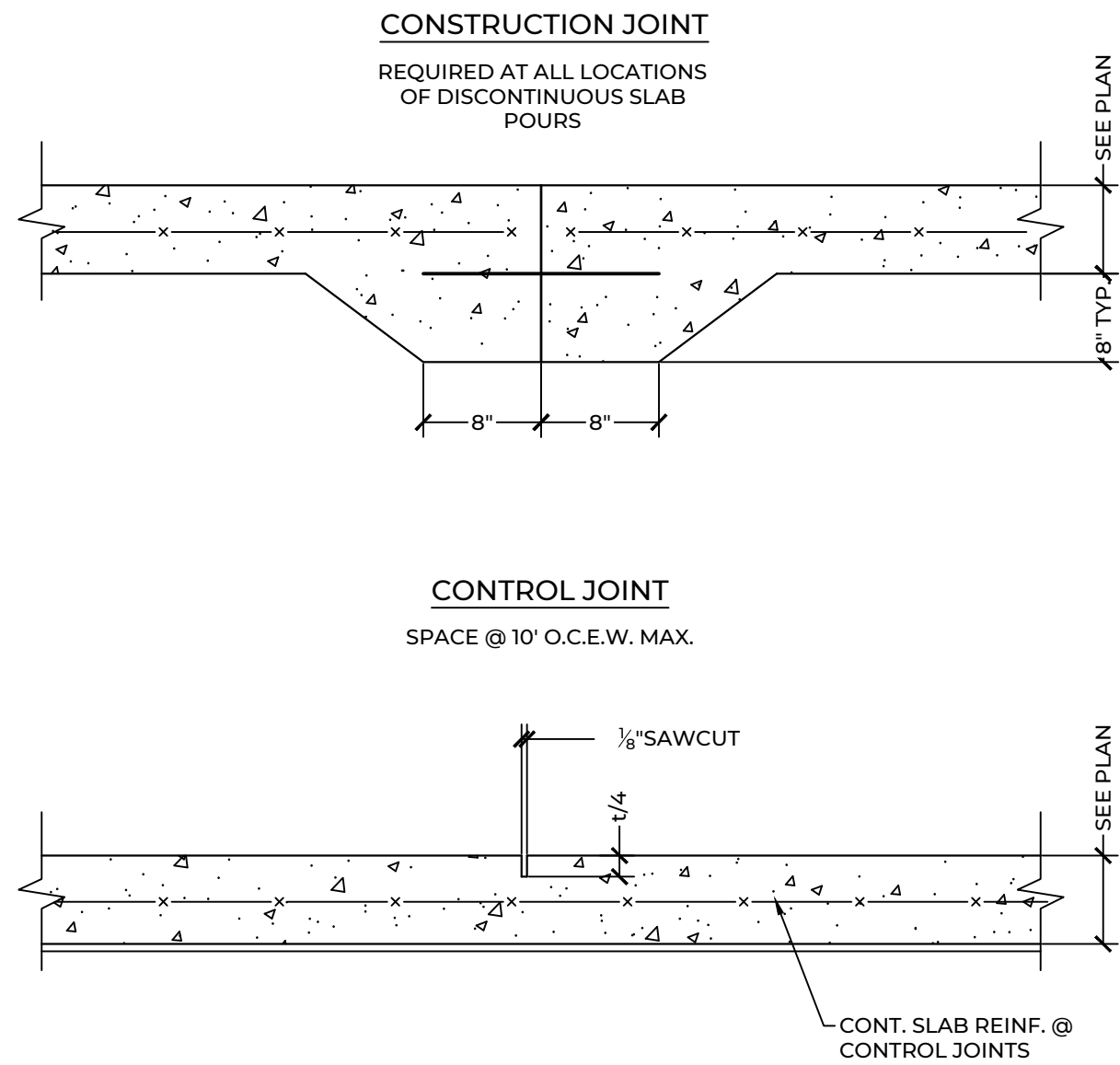
SHEET TITLE

FOUNDATION
PLAN

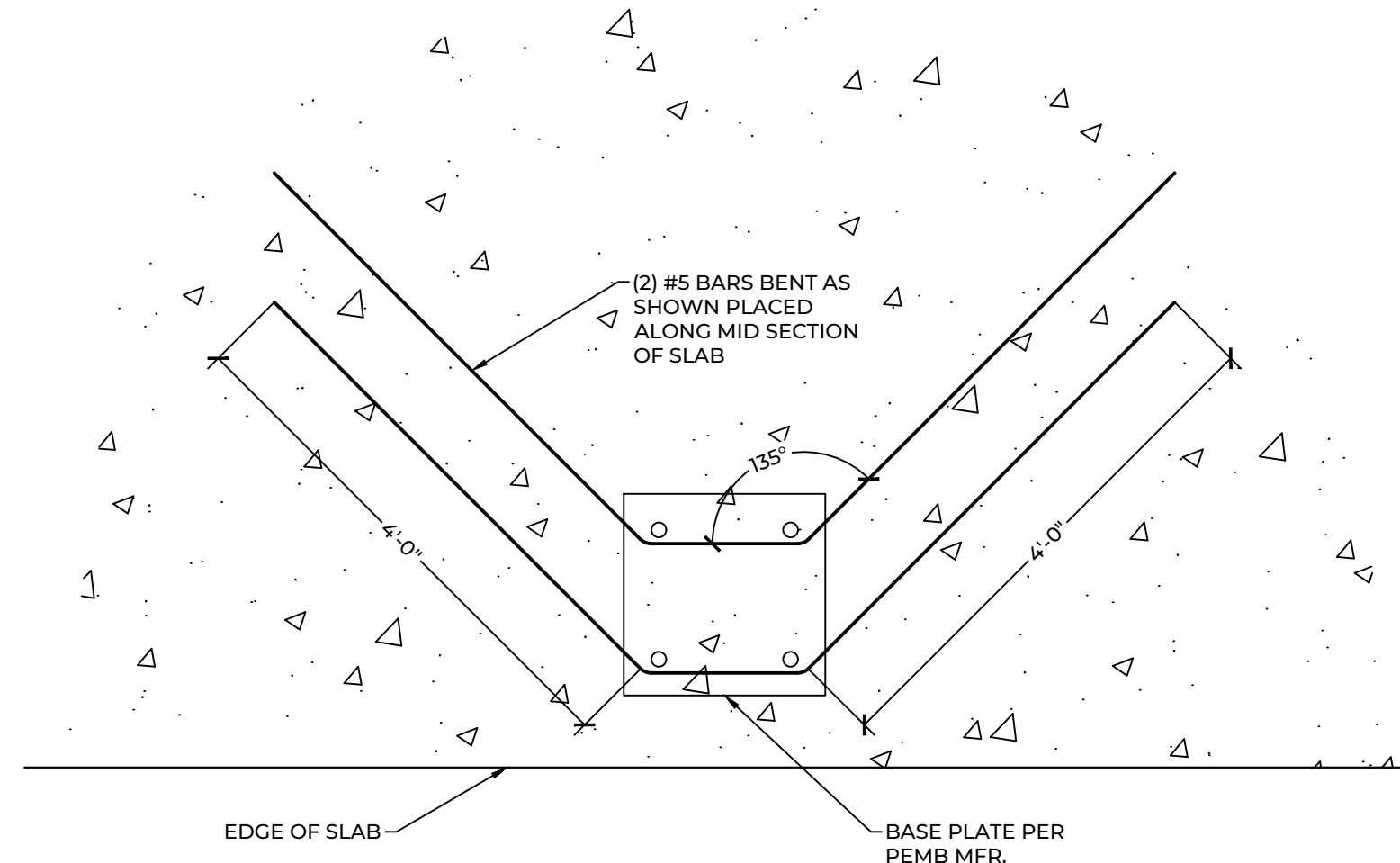
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S101

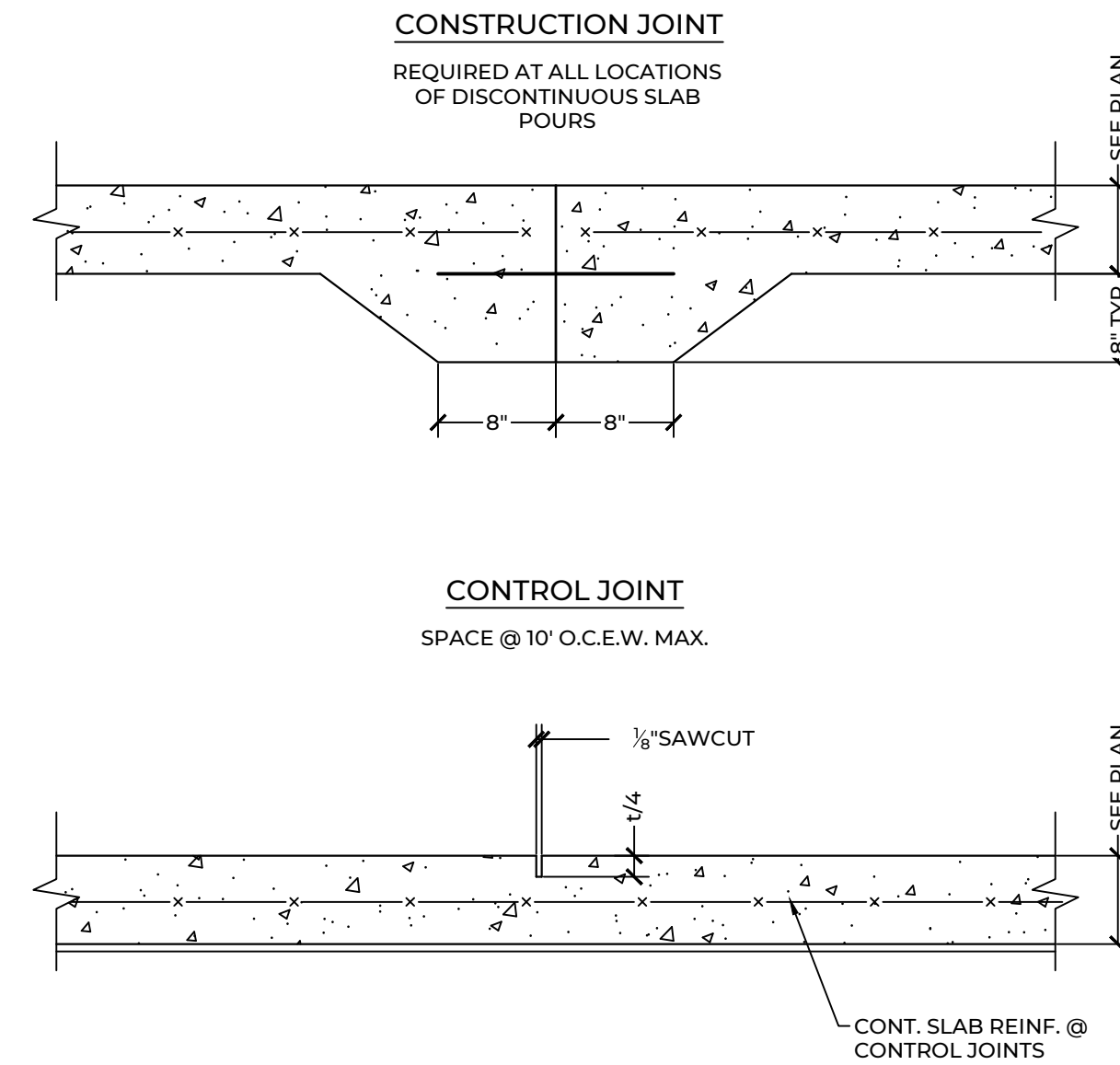




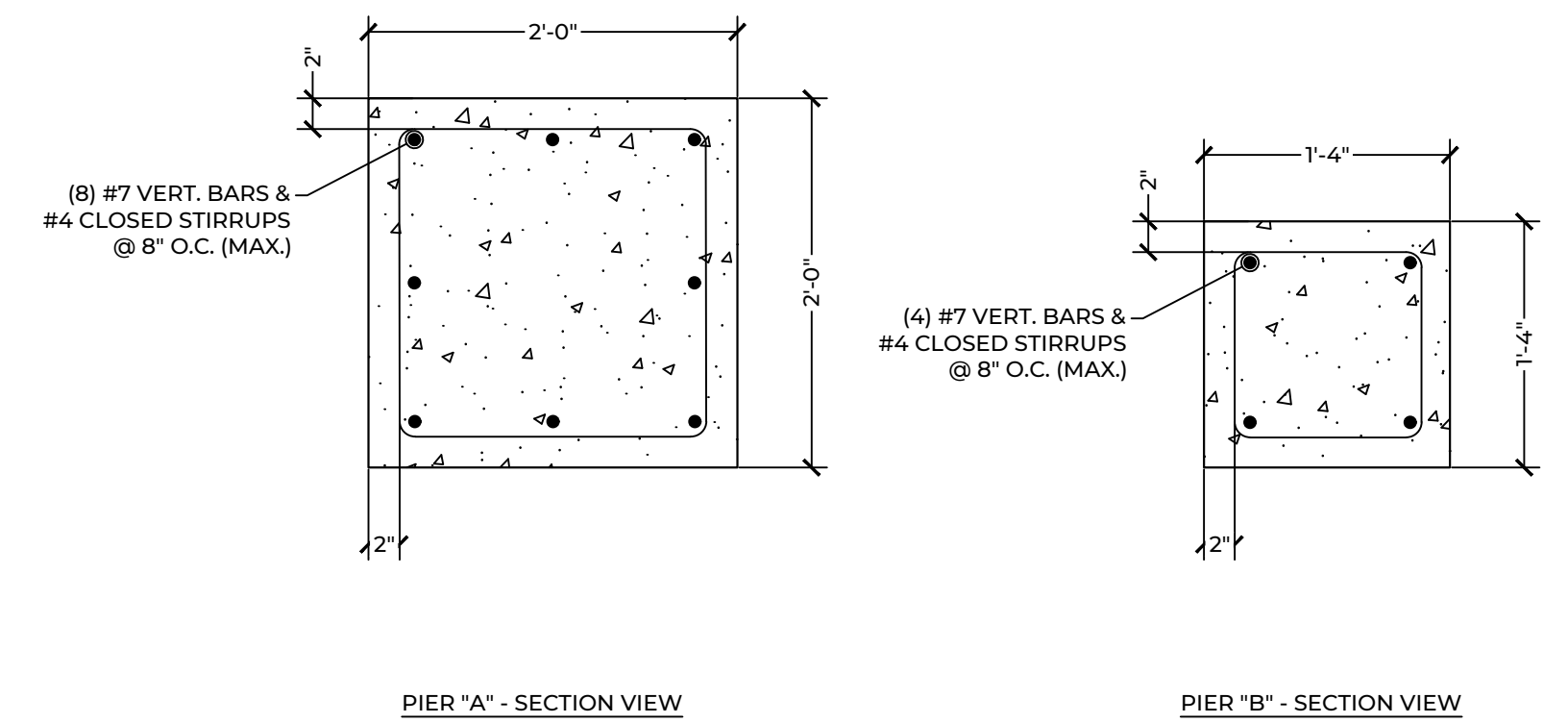
A TYP. SLAB FINISHING DETAIL
SCALE: 1" = 1'-0"



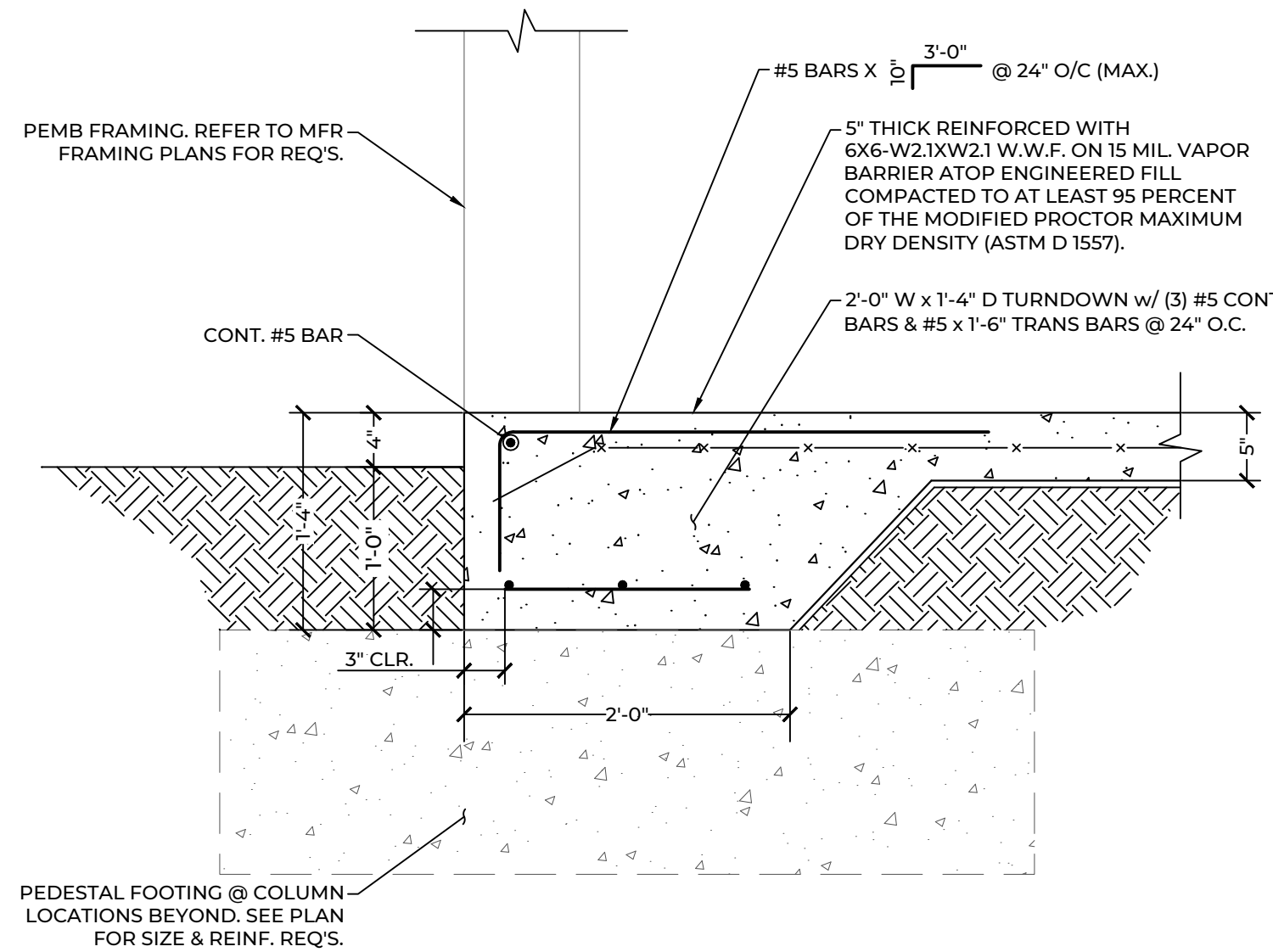
B TYP. HAIRPIN DETAIL
SCALE: 1" = 1'-0"



C TYP. SLAB FINISHING DETAIL
SCALE: 1" = 1'-0"



D TYP. CONCRETE PIER DETAIL
SCALE: 1" = 1'-0"



E TYP. TURNDOWN DETAIL
SCALE: 1" = 1'-0"

NEW PRE-ENGINEERED BUILDING FOUNDATION

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FLORIDA

NOT FOR
CONSTRUCTION

ATLAS
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PROJECT INFORMATION	
DESIGNER:	RSL
REVIEWED BY:	CLH
PROJECT NO:	22-101-006
SHEET SCALE:	SEE DETAIL

RELEASE RECORD	
REVIEW ONLY / N.F.C.	06/23/2023

SHEET TITLE	SHEET NO.
STRUCTURAL CONSTRUCTION DETAILS	S501

HEAT PUMP SPLIT SYSTEM SCHEDULE																											
AIR HANDLING UNIT															CONDENSING UNIT — AIR COOLED												
SPECIFICATIONS										ELECTRICAL							COMPRESOR		FAN		UNIT WIRING						
MARK	TYPE	COOLING CAP.	HEATING CAP.	CFM	OA	ESP	FAN #	FAN HP	AUX. HEAT KW	VOLT.	Ø	# CIRCUITS	MCA	MOCP	MODEL	MARK	SEER/EER	VOLT.	Ø	#	RLA (EA)	# HP (EA)	FLA (EA)	MCA	OVER CURRENT	MODEL	
AHU-2	CONVERTIBLE AIR HANDLER	47,100	46,500	1600	200	—	1	3/4	10.8/ 14.4	208/ 230	1	2	51/60 22/25	58/60 25/25	TRANE 4TEM4A48	AC-1	14	208/ 230	1	1	19.6	1	1/5	1.1	26	45	TRANE 41WR4048G1
NOTES: 1) MIN. SEER SHALL BE ASHRAE 90.1 OR FBC COMPLIANT																											
ACCESSORIES: HARDWIRED REMOTE WALL MOUNTED THERMOSTATS, ANTI-SHORT CYCLE TIME, SEA COAST PROTECTION, 4" FILTER SECTION (2" FILTER), VERIFY REFRIGERANT REQUIREMENTS IF R-32 REQ'D OR SIMILAR — PROVIDE SUITABLE MODEL EQUIP, OSA DAMPER CLOSES WHEN UNIT OFF																											
EQUALS: YORK, CARRIER, RHEEM																											

EXHAUST FAN SCHEDULE												
MARK	SERVICE	CFM	SP	TYPE	OPENING	OUTLET	INTERLOCKED	ACCES.	MOTOR HP	VOLT	Ø	MODEL
EF-1	BATHROOM	50	0.1"	CEILING	13-¼" x 10-¾"	6"ø	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-2	BATHROOM	50	0.1"	CEILING	13-¼" x 10-¾"	6"ø	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-3	BATHROOM	50	0.1"	CEILING	13-¼" x 10-¾"	6"ø	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A50
EF-4	BATHROOM	70	0.1"	CEILING	13-¼" x 10-¾"	6"ø	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A70
EF-5	BATHROOM	70	0.1"	CEILING	13-¼" x 10-¾"	6"ø	OCC SENSOR	1,2,3,4	FRAC	115	1	GREENHECK SP-A70
EF-6	GRINDER ROOM	500	0.3"	WALL PROPELLER	20.5X20.5	20.38	WALL SWITCH	1,2,4,5	¾	115	1	GREENHECK AER-2--VG
EF-7,8	STORAGE AREA HEAT AND FUME	5000	0.65"	WALL PROPELLER	38.5X38.5	—	WALL SWITCH	1,2,4,5,6	1	208	1	GREENHECK SBE-3H36-10
ACCESSORIES: 1) BACKDRAFT DAMPER 2) DISCONNECT 3) CEILING GRILLE 4) SPEED CONTROL 5)WALL SLEEVE 6) DAMPER AND 120V MOTOR												
EQUALS: ACME, PENN, COOK, CARNES NOTE: EF-7,8 FOR COMPLIANCE IF STORED VEHICLES EXCEED FUELING LIMITS — AFTER BID OWNER MAY PRECLUDE USE IF IN COMPLIANCE WITH FUELING REQUIREMENTS												

HIGH VOLUME LOW SPEED FAN SCHEDULE										
NO.	SERVICE	CFM	SP	HP	VOLTAGE	ROOM SERVED	TYPE	INTERLOCKED	ACCESS.	GREENHECK FAN MODEL
HVLS-1.2	AREA VENT	29,000	—	1/4	115V	WORK BAYS	CEILING PROPELLER	DDC, VFD SPEED CTRL	1,2,3	BASE 6-12'
ACCESSORIES: 1)DISCONNECT 2)INTERNAL OVERLOAD PROTECTION 3) VFD WITH CONTROLLER 4) HANG KIT										
EQUALS: BIG ASS										

HVAC GENERAL NOTES
1. REFRIGERANT LINES FROM OUTDOOR CONDENSING UNITS SHALL BE EXTENDED FROM UNIT THRU WALL TO INDOOR UNITS. REFRIGERANT LINES SHALL BE SIZED AS PER MANUFACTURER'S RECOMMENDATIONS.
2. RECT. DUCT DIMENSIONS ARE METAL-TO-METAL SIZES AND INCLUDE AN ALLOWANCE FOR THE 1" DUCT LINER.
3. CENTER GRILLES, DIFFUSERS, & REGISTERS IN LAY-IN CEILING TILES.
4. ROUND DUCT DIMENSIONS ARE METAL-TO-METAL SIZES AND SHALL BE EXTERNALLY WRAPPED WITH 2" INSULATION.
5. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL CONCRETE CONDENSING UNIT PADS.
6. 24V DAMPER OPERATOR TO OPEN WHEN FAN OPERATES, CLOSE WHEN FAN STOPS.

HVAC LEGEND	
	RECTANGULAR DUCT WITH 2" DUCT WRAP
	RECTANGULAR DUCT WITH 1" LINER
	ROUND DUCT WITH 2" DUCT WRAP
	ROUND DUCT WITH 2" DUCT WRAP
	FLEX DUCT
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN/EXHAUST DUCT UP
	RETURN/EXHAUST DUCT DOWN
	SQUARE ELBOW WITH TURNING VANES - RECT. DUCT
	ROUND ELBOW - 5 PIECE 90, 3 PIECE 45
	ROUND ELBOW (12" OR LESS) - 5 PIECE 90, 3 PIECE 45
	MANUAL VOLUME DAMPER
	MOTORIZED VOLUME DAMPER
	CEILING DIFFUSER (FLOW DIRECTION INDICATED)
	RETURN AIR GRILLE
	THERMOSTAT (CONTROLLER LOCATION)
	THERMOSTAT (BULB LOCATION)
	STATIC PRESSURE SENSOR
	EQUIPMENT TAG
	DIFFUSER/GRILLE TAG
	NOT IN CONTRACT (NO WORK)
	CUBIC FEET PER MINUTE
	CUBIC FEET PER MINUTE
	ROUND DUCT
	THERMOSTAT

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EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
NOTES, SCHEDULES, ABBREVIATIONS

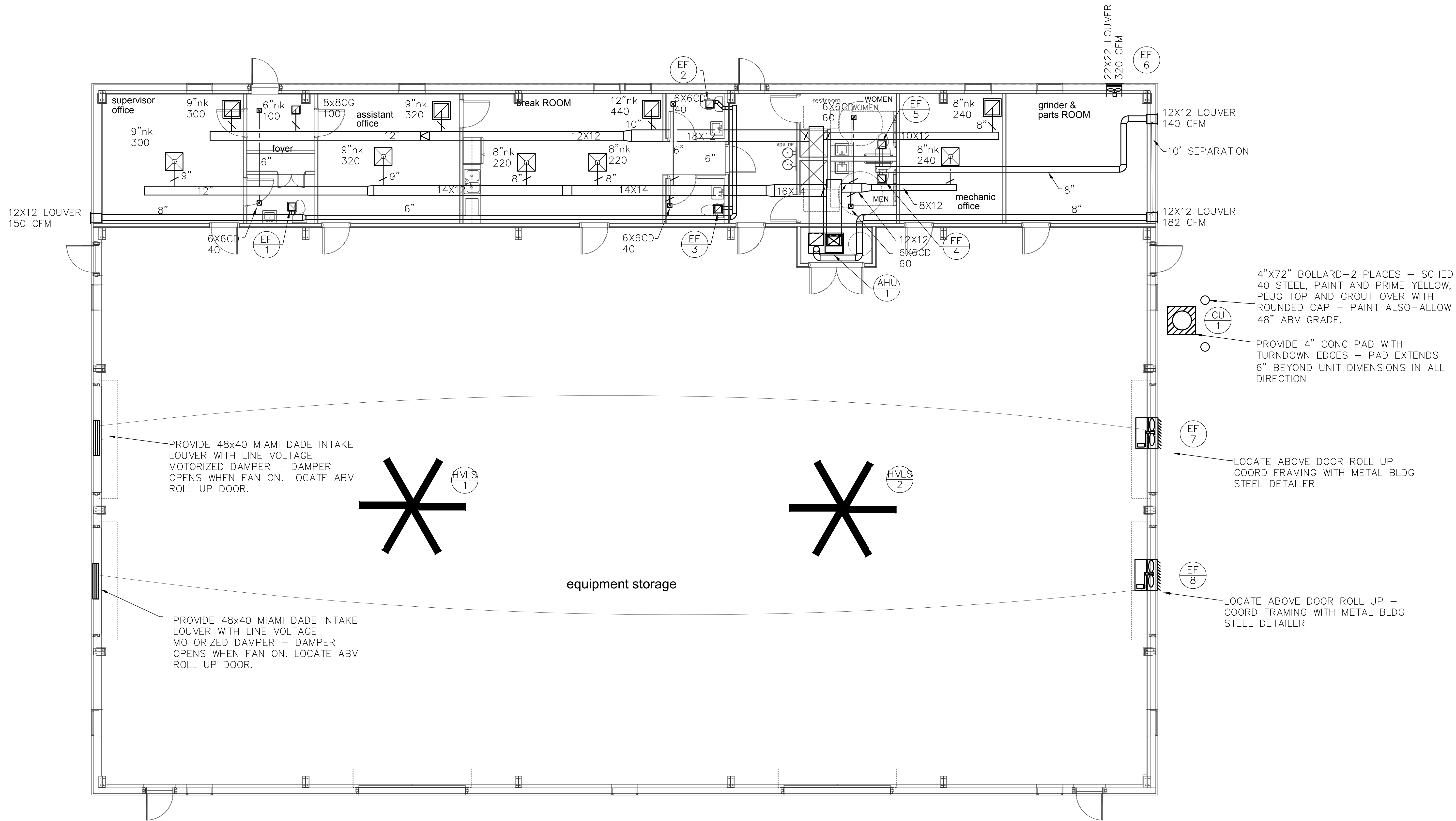
6/28/2023

23021
DATE: 6/5/2023
DRAWN BY: LES
DESIGNED BY: LES
CHECKED BY: LES

SHEET NUMBER
M001
SHEET COUNT
1 OF 4

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PROVIDE 48x40 MIAMI DADE INTAKE LOUVER WITH LINE VOLTAGE MOTORIZED DAMPER - DAMPER OPENS WHEN FAN ON. LOCATE ABV ROLL UP DOOR.

PROVIDE 48x40 MIAMI DADE INTAKE LOUVER WITH LINE VOLTAGE MOTORIZED DAMPER - DAMPER OPENS WHEN FAN ON. LOCATE ABV ROLL UP DOOR.

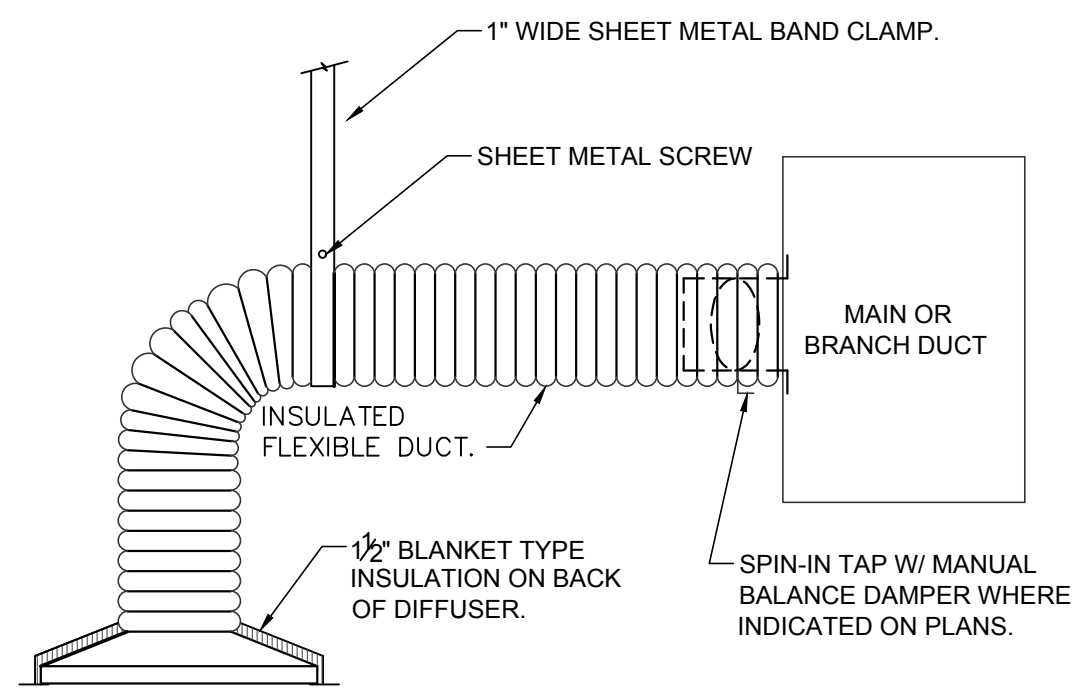
4"x72" BOLLARD-2 PLACES - SCHED 40 STEEL, PAINT AND PRIME YELLOW, PLUG TOP AND GROUT OVER WITH ROUNDED CAP - PAINT ALSO-ALLOW 48" ABV GRADE.

PROVIDE 4" CONC PAD WITH TURNDOWN EDGES - PAD EXTENDS 6" BEYOND UNIT DIMENSIONS IN ALL DIRECTION

LOCATE ABOVE DOOR ROLL UP - COORD FRAMING WITH METAL BLDG STEEL DETAILER

LOCATE ABOVE DOOR ROLL UP - COORD FRAMING WITH METAL BLDG STEEL DETAILER

1 HVAC PLAN
SCALE : 3/16" = 1'-0"

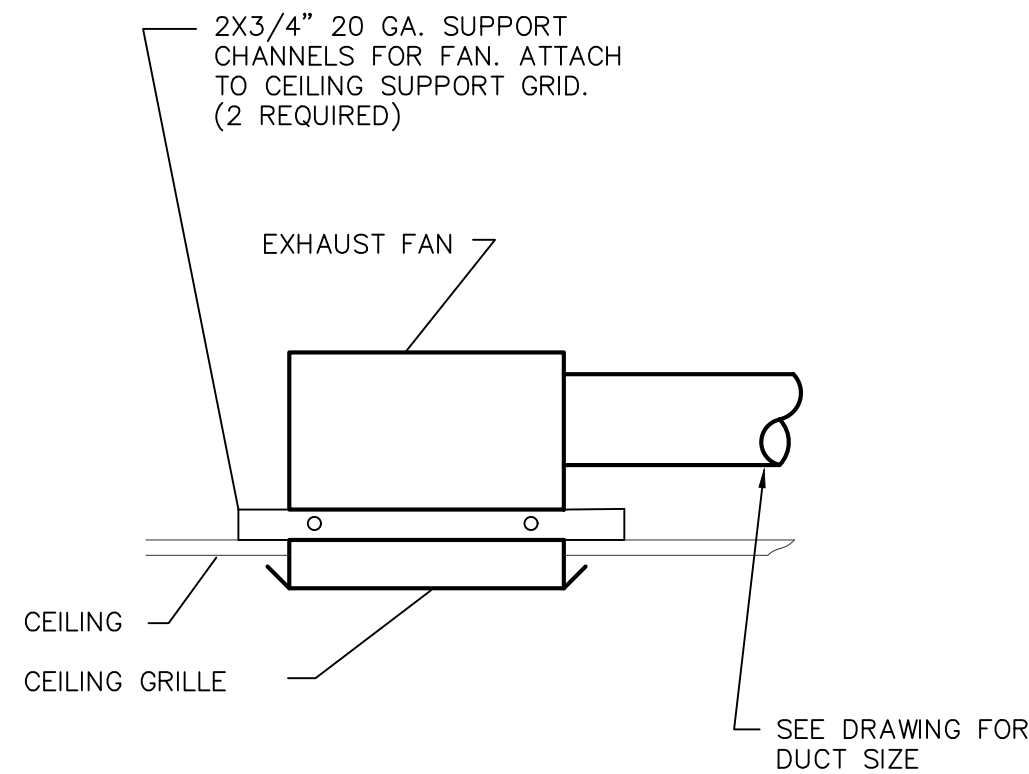


1 FLEXIBLE DUCT TAP SCHEMATIC ELEVATION VIEW
SCALE : N.T.S.

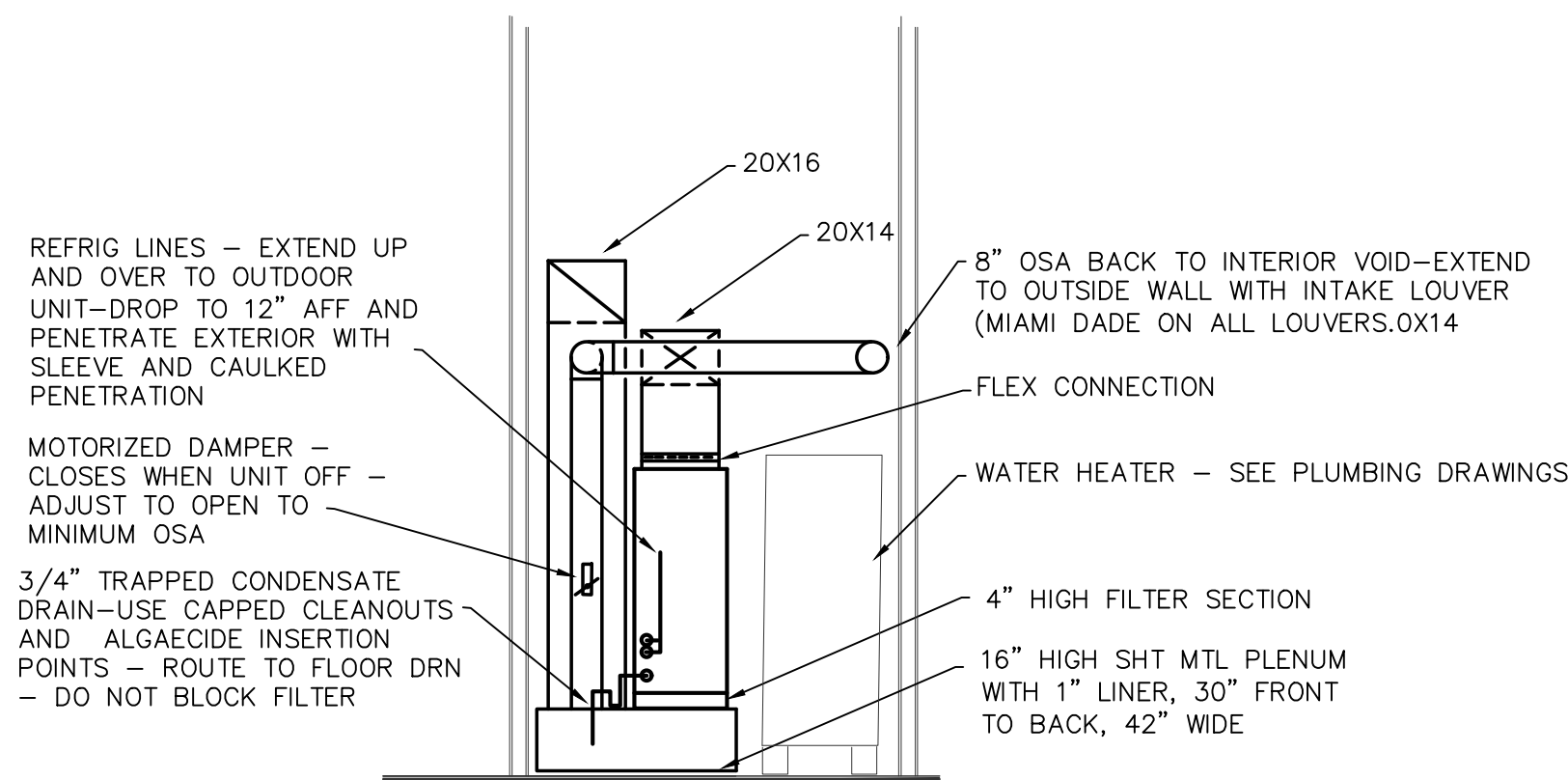
- FLEXIBLE DUCT NOTES
1. FLEX DUCT MAX LENGTH 5'-0".

2. SPACE HANGERS SO THAT DUCT SAG IS LESS THAN 1/2" PER FOOT.

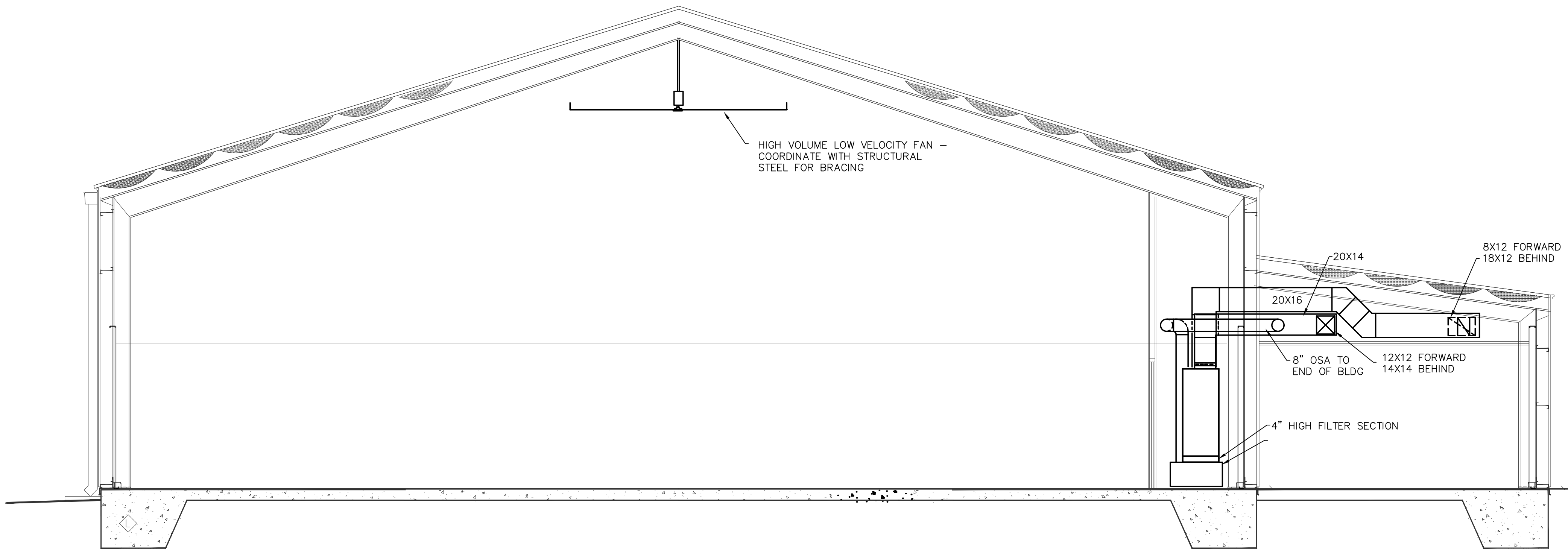
3. SECURE FLEX DUCT TO SPIN-IN FITTING AND DIFFUSER WITH 1/2" GALVANIZED ADJUSTABLE BAND CLAMP WITH CADMIUM PLATED BUCKLE AND SCREW. PLACE BAND CLAMP BETWEEN THE WIRES OF LAST SPIRAL OF THE FLEX DUCT.



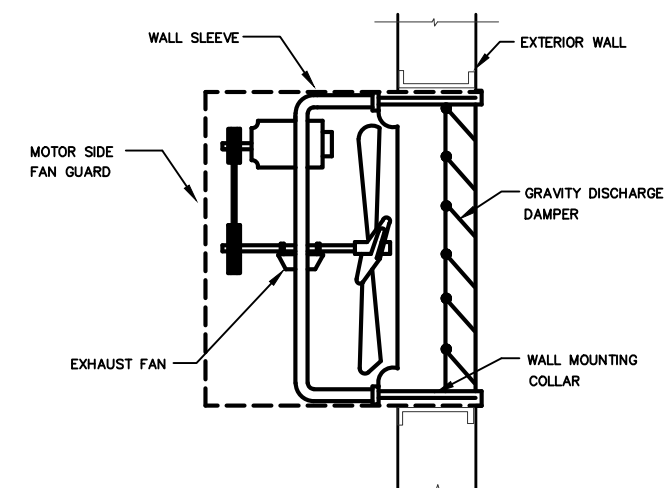
2 EXHAUST FAN DETAIL
SCALE : NONE



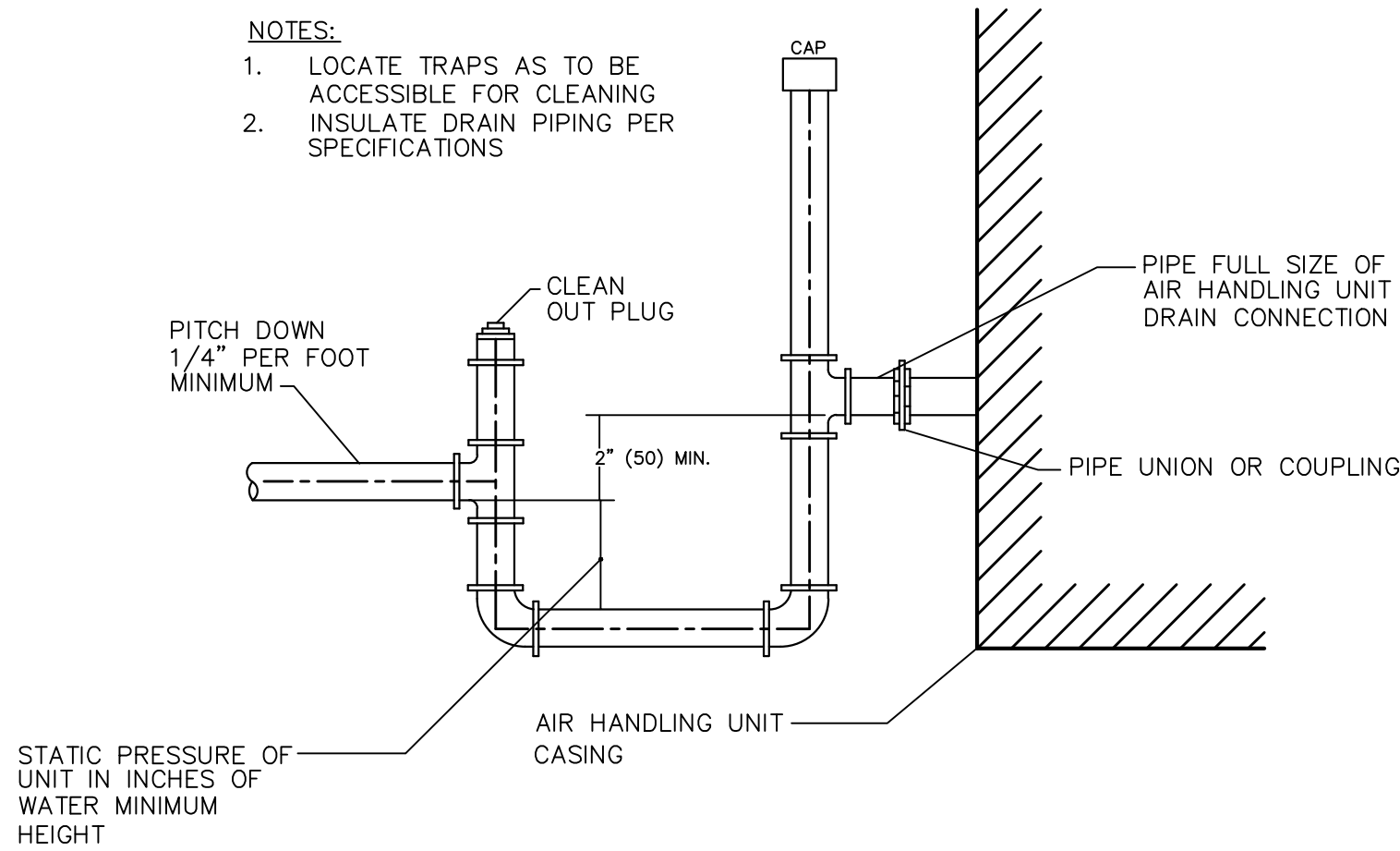
3 HP-1 INSTALLATION SCHEMATIC
SCALE : 1/4" = 1'-0"



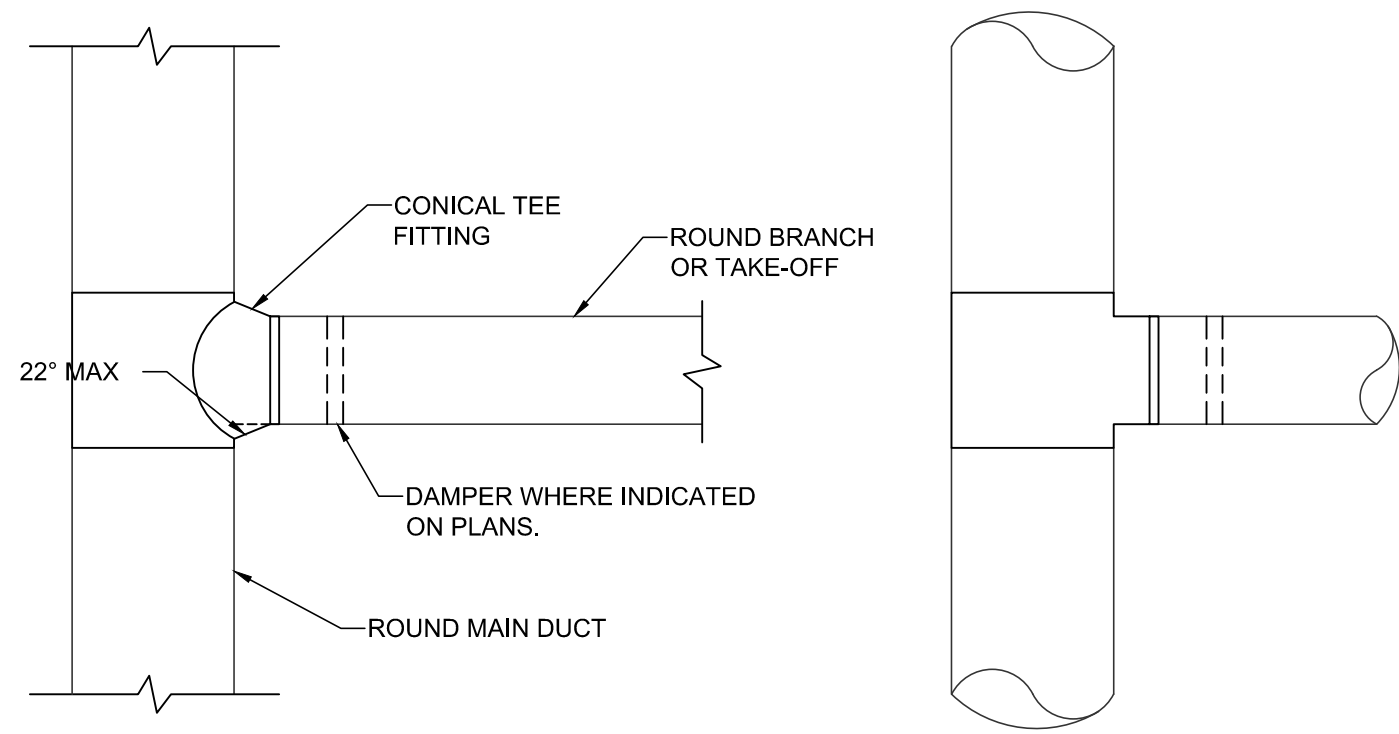
2 ELEVATION VIEW - HVAC
SCALE : 1/4"=1'-0"



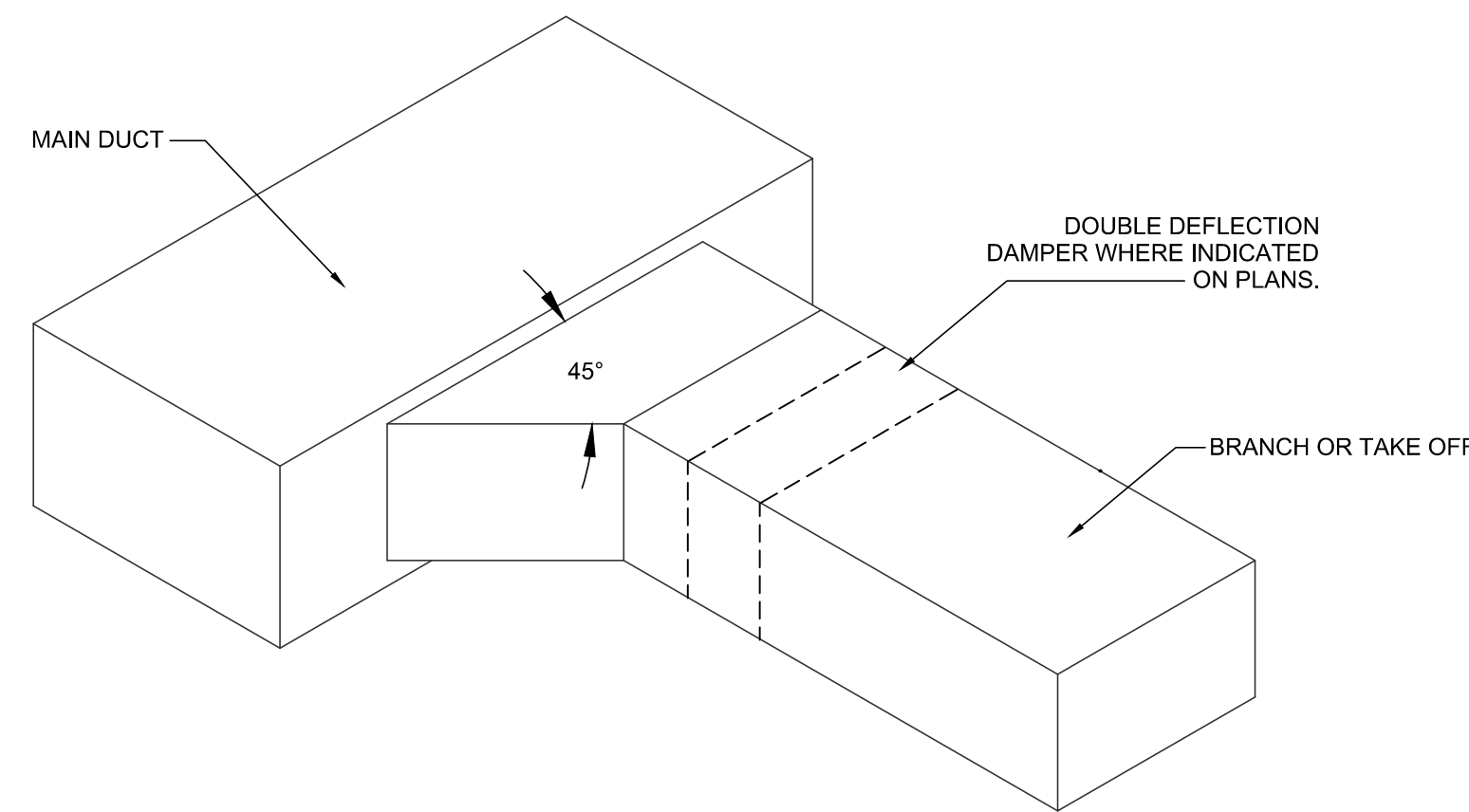
4 EF-7,8 INSTALLATION SCHEMATIC
SCALE : NTS



1 CONDENSATE TRAP SCHEMATIC
SCALE : N.T.S.

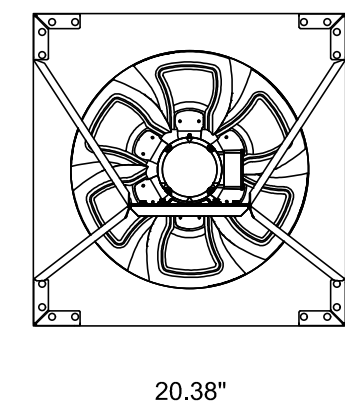


2 ROUND DUCT TAP SCHEMATIC - PLAN VIEW
SCALE : N.T.S.

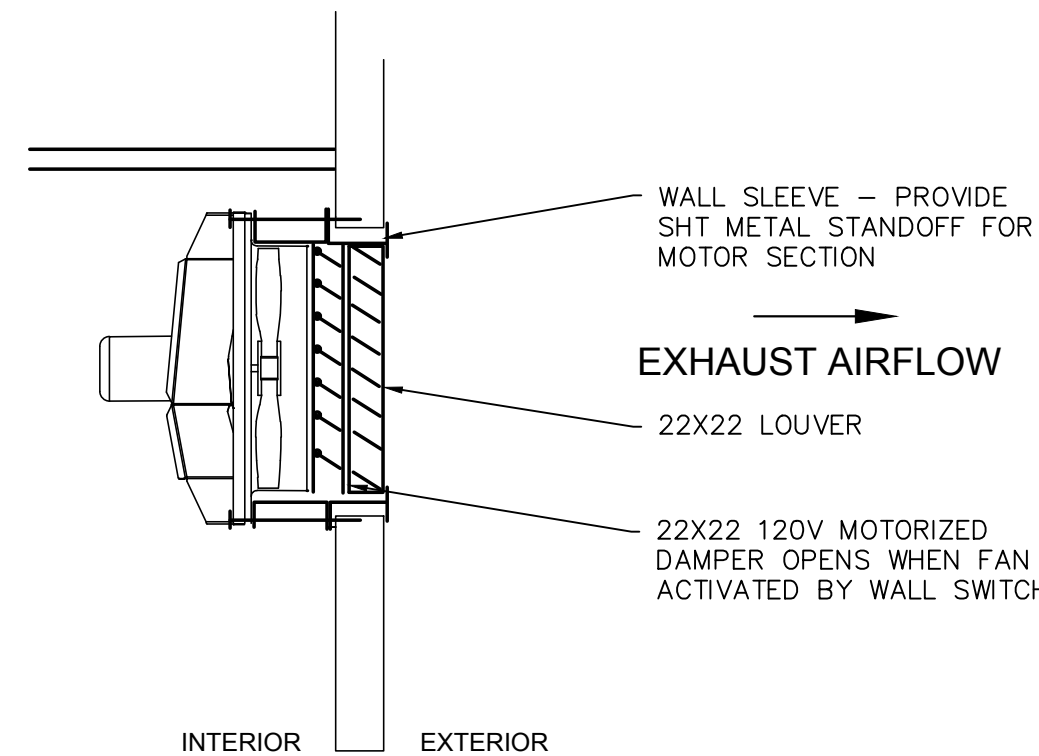


3 RECTANGULAR DUCT TAP SCHEMATIC - ISOMETRIC VIEW
SCALE : N.T.S.

DRAWING VIEWED FROM INTERIOR



WALL OPENING 20.53 SQ.
MOTOR IS ACCESSIBLE FROM INTERIOR OF BUILDING



6 EF-6 INSTALLATION SCHEMATIC
SCALE : N.T.S.

Ventilation Sizing Summary for BLOCK LOAD

1. Summary

Ventilation Sizing Method ASHRAE Std 62.1-2013
Design Condition Heating operation
Occupant Diversity (D) 1.000
Uncorrected Outdoor Air Intake (Vou) 182 CFM
System Ventilation Efficiency (Ev) 0.831
Outdoor Air Intake (Vot) 218 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
SUPERVISOR	1	316	118.0	0.06	1.0	5.00	0.8	15	12	1.043
ASSISTANT	1	315	239.0	0.06	1.0	5.00	0.8	24	19	1.014
BREAK ROOM	1	467	336.0	0.12	5.0	5.00	0.8	82	65	0.916
FOYER	1	39	52.0	0.06	1.0	5.00	0.8	10	8	0.831
GRINDER & PARTS	1	355	236.0	0.06	2.0	5.00	0.8	30	24	1.005
MECHANIC OFFICE	1	289	175.0	0.06	2.0	5.00	0.8	26	21	1.002
MENS	1	85	78.0	0.06	1.0	5.00	0.8	12	10	0.947
TOILET LOBBY	1	92	117.0	0.06	1.0	5.00	0.8	15	12	0.928
WOMEN	1	50	88.0	0.06	1.0	5.00	0.8	13	10	0.834
Totals (incl. Space Multipliers)		2008							182	0.831

NOTES

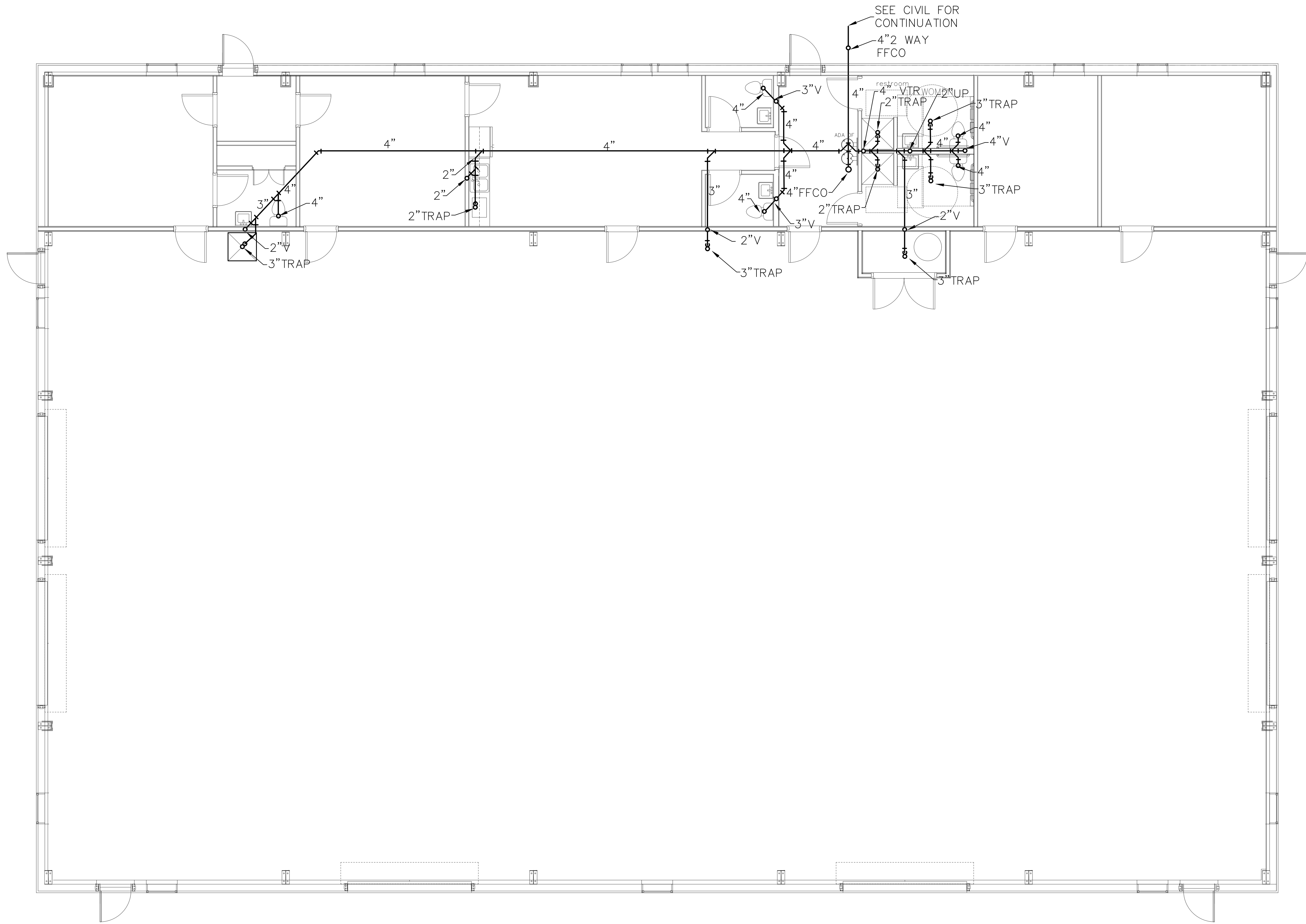
NOTES: USE SAFETY PAN BELOW HEATER ON FLOOR WITH DRAIN DIRECTED TO FLOOR DRAIN, DIRECT T&P TO FLOOR DRAIN, PROVIDE INLINE CIRCULATOR FOR RETURN - 6GPM @ 12FT, 120V, PROVIDE WITH TIMER TO STOP DURING UNOCCUPIED PERIODS

SIZE	FIXTURE UNITS	PDI STANDARD
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1-1/2"	61-113	D
1-3/4"	114-154	E
2"	155-330	F



—SS—	SANITARY SEWER
—	SOIL OR WASTE PIPING (W.)
-----	VENT PIPING
— - - - -	COLD WATER PIPING (CW)
— - - - -	HOT WATER PIPING (HW)
-----	HOT WATER RETURN PIPING (HWR)
—	EXIST. HOT WATER PIPING RETURN PIPING (HWR)
<u>F.F.C.O.</u>	FINISH FLOOR CLEANOUT
<u>F.G.C.O.</u>	FINISH GRADE CLEANOUT
VTR	VENT THRU ROOF
EXIST.	EXISTING
ELEV.	ELEVATION
U.G.	UNDERGROUND
ABV.	ABOVE
CLG.	CEILING
CONC.	CONCRETE
FIN.	FINISH
O.C.	ON CENTER
—D— —D—	GATE VALVE (G.V.)
—B— —5	BALL VALVE (B.V.)
oz.	OUNCES
(TYP.)	TYPICAL
DNW	DOWN
SAN.	SANITARY
BLDG	BUILDING
AFF.	ABOVE FINISH FLOOR



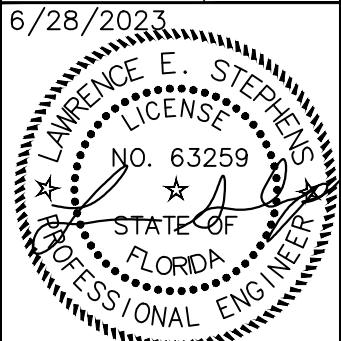


1 BELOW FLOOR SANITARY WASTE
SCALE : 3/16" = 1'-0"



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EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
BELOW FLOOR WASTE SYSTEM

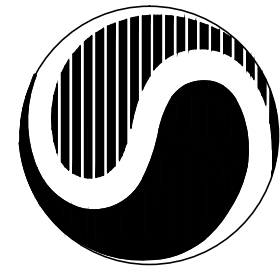


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DATE:	6/5/2023	DRAWN BY:	LES		

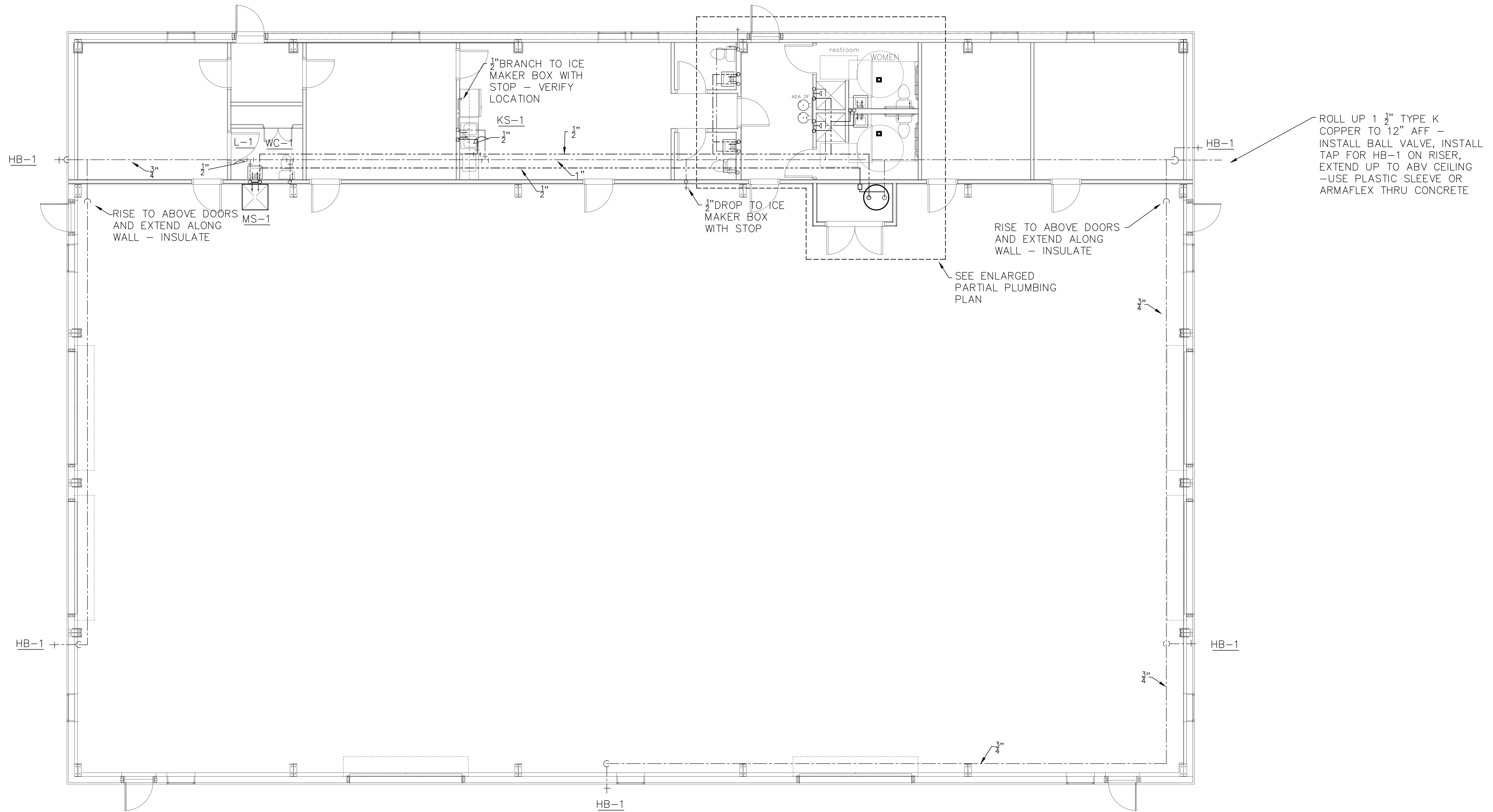
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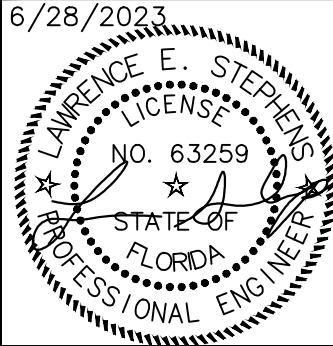
1 ABOVE FLOOR PLUMBING PLAN
SCALE : 3/16" = 1'-0"

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FL AUTHORIZATION NO: 000330951

EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
ABOVE FLOOR PLUMBING PLAN

6/28/2023



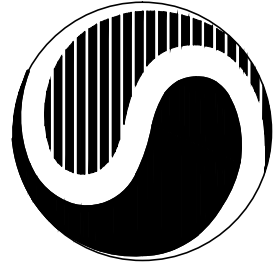
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DATE:	6/5/2023	DRAWN BY:	LES	CHECKED BY:	LES

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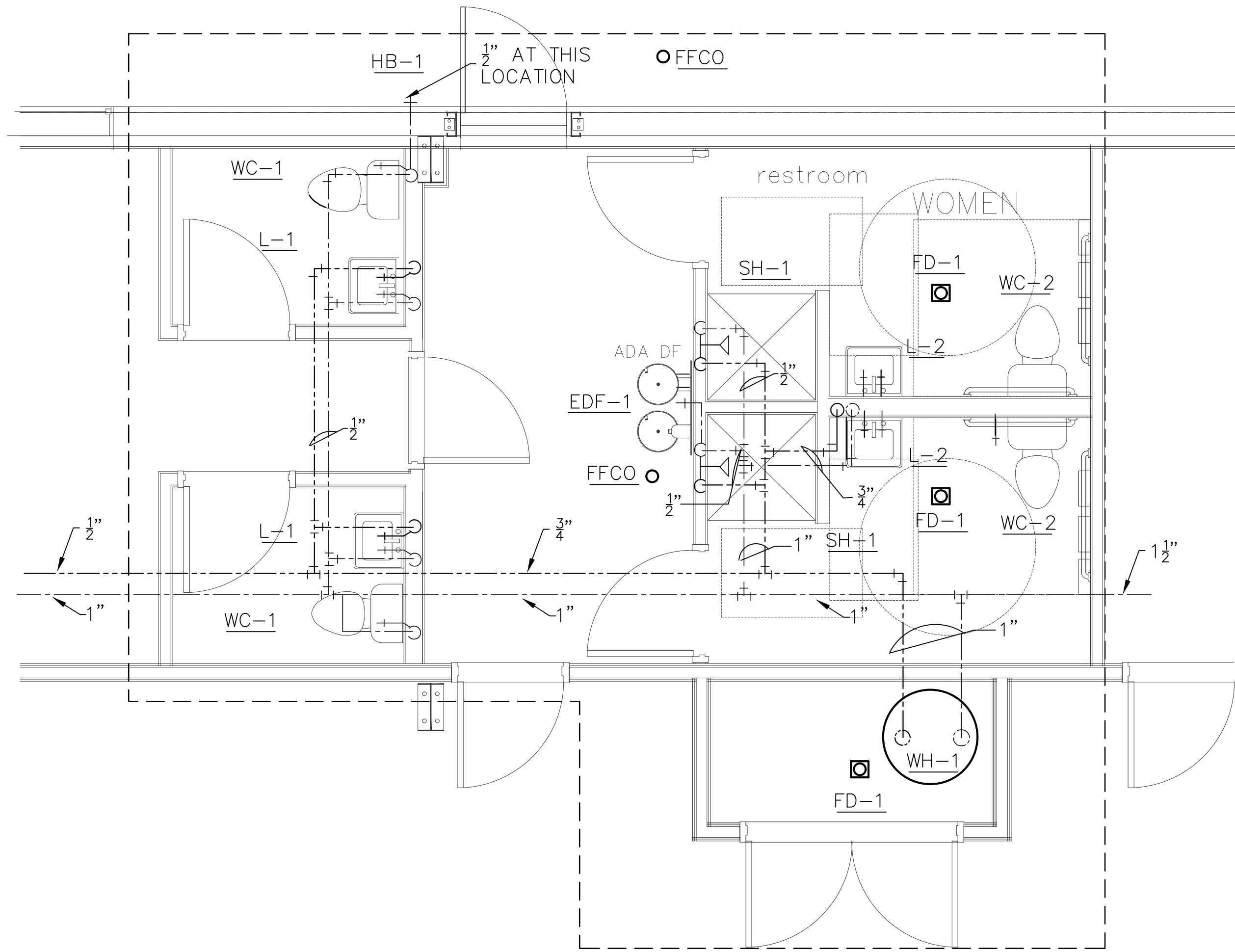
P101

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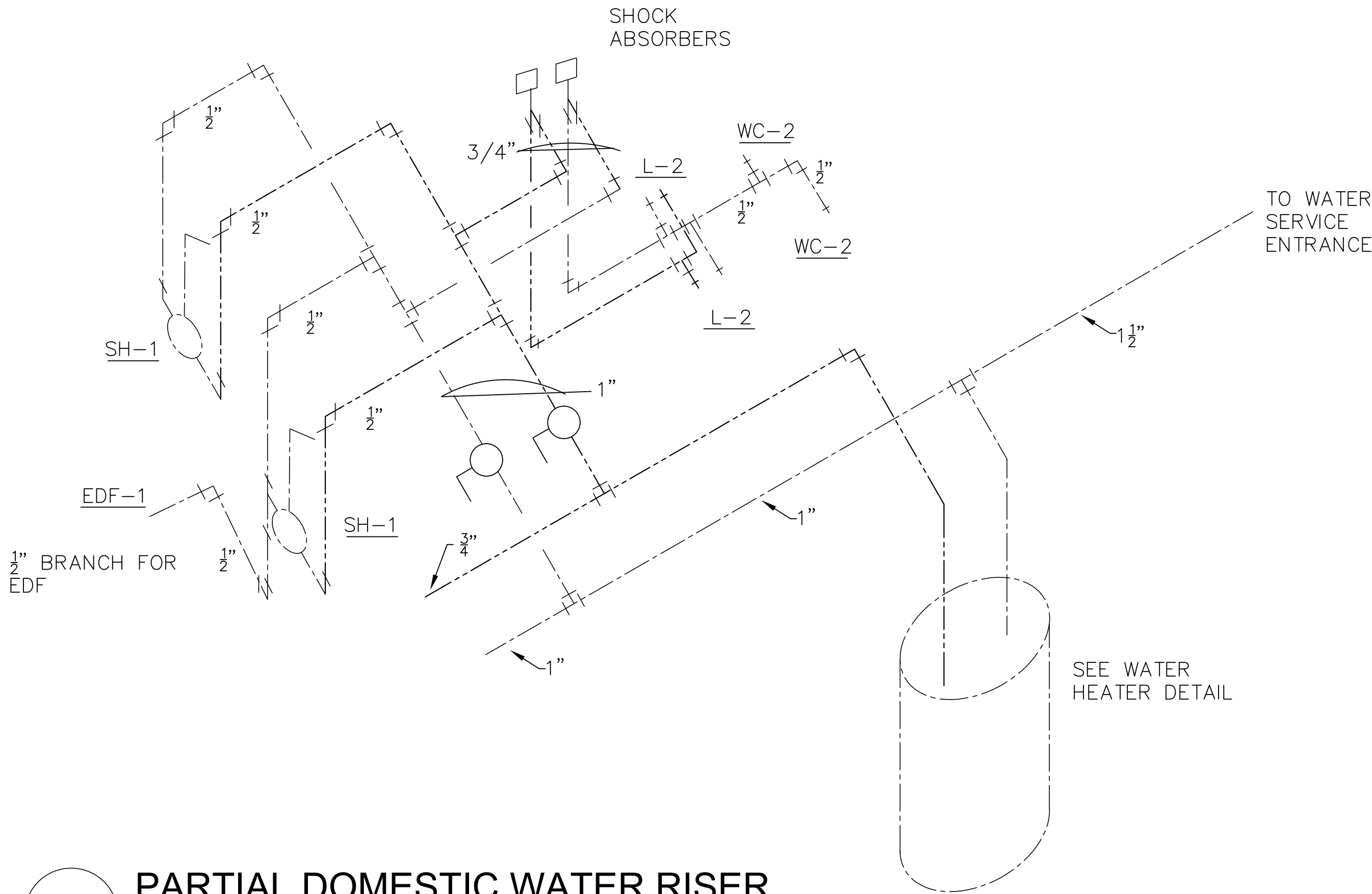
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207 3346 FAX
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1

ENLARGED PLUMBING PLAN

SCALE : 1/4" = 1'-0"



2

PARTIAL DOMESTIC WATER RISER

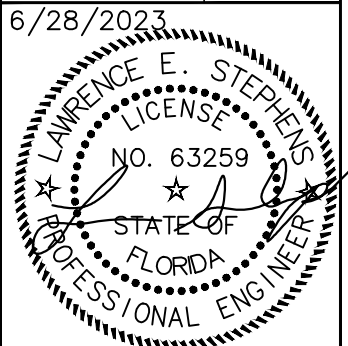
SCALE : NTS



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EAGLE SPRINGS GOLF COURSE
MAINTENANCE BUILDING
WALTON COUNTY, FORT WALTON, FLA
PARTIAL PLUMBING PLAN AND DOMESTIC RISER

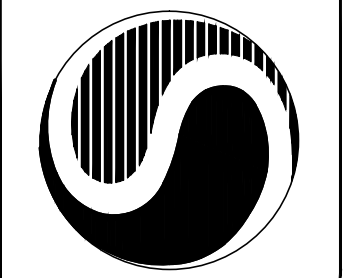


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DATE:	6/5/2023	DRAWN BY:	LES		

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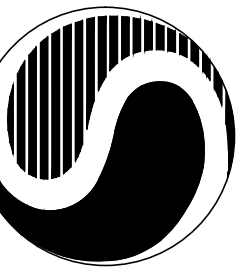
P102

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EAGLE SPRINGS GOLF COURSE
 MAINTENANCE BUILDING
 WALTON COUNTY, FORT WALTON, FLA
 SANITARY SEWER RISER

SANITARY SEWER RISER

A circular professional engineer seal for Lawrence E. Stephens. The outer ring contains the text "LAWRENCE E. STEPHENS" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the word "LICENSE" is at the top, "NO. 63259" is in the center, and "STATE OF FLORIDA" is at the bottom. A signature is written across the seal.

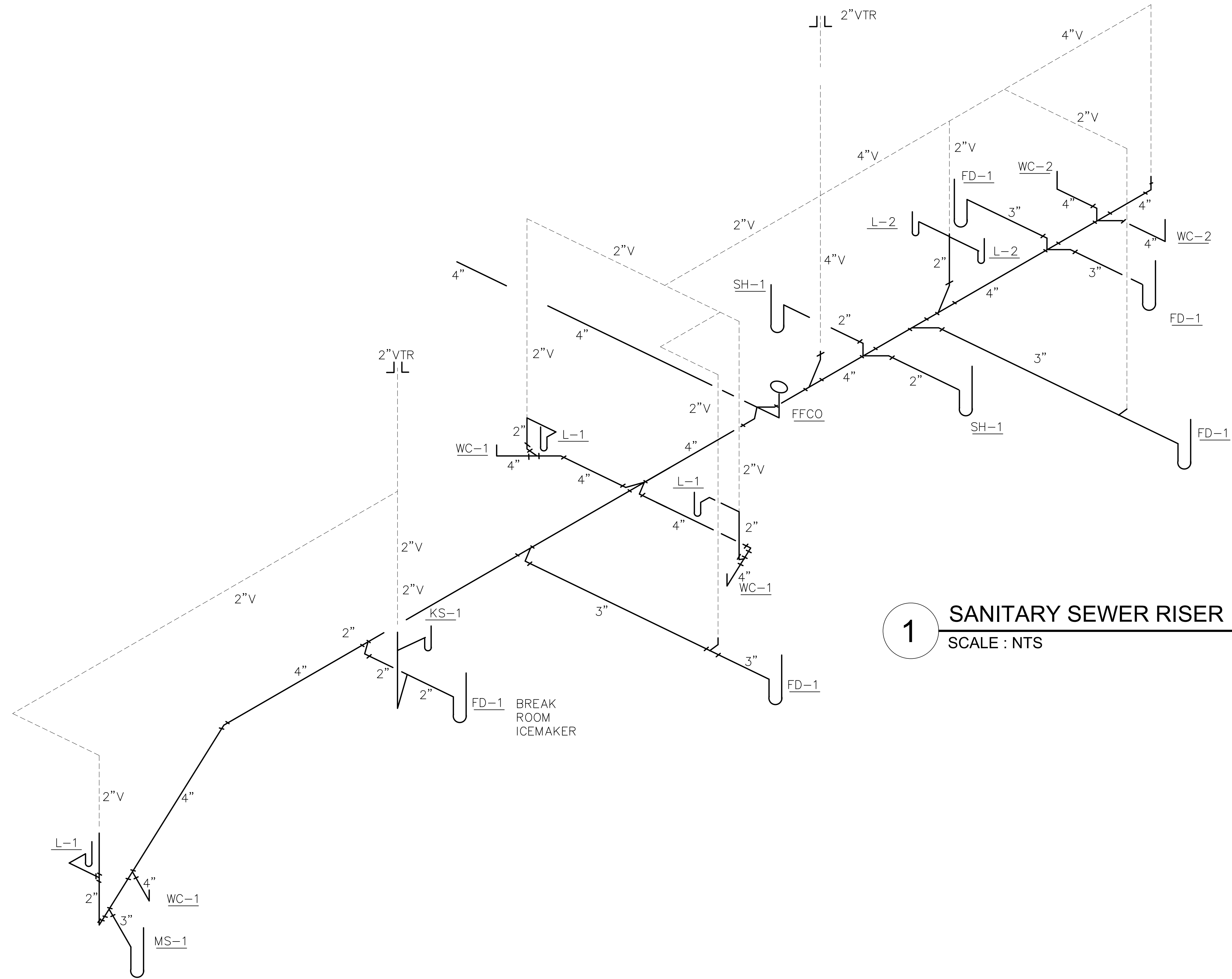
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CHECKED BY:		LES

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P103

HEET COUNT

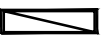






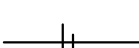




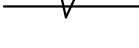



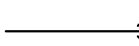














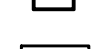














OF 4



1 SANITARY SEWER RISER
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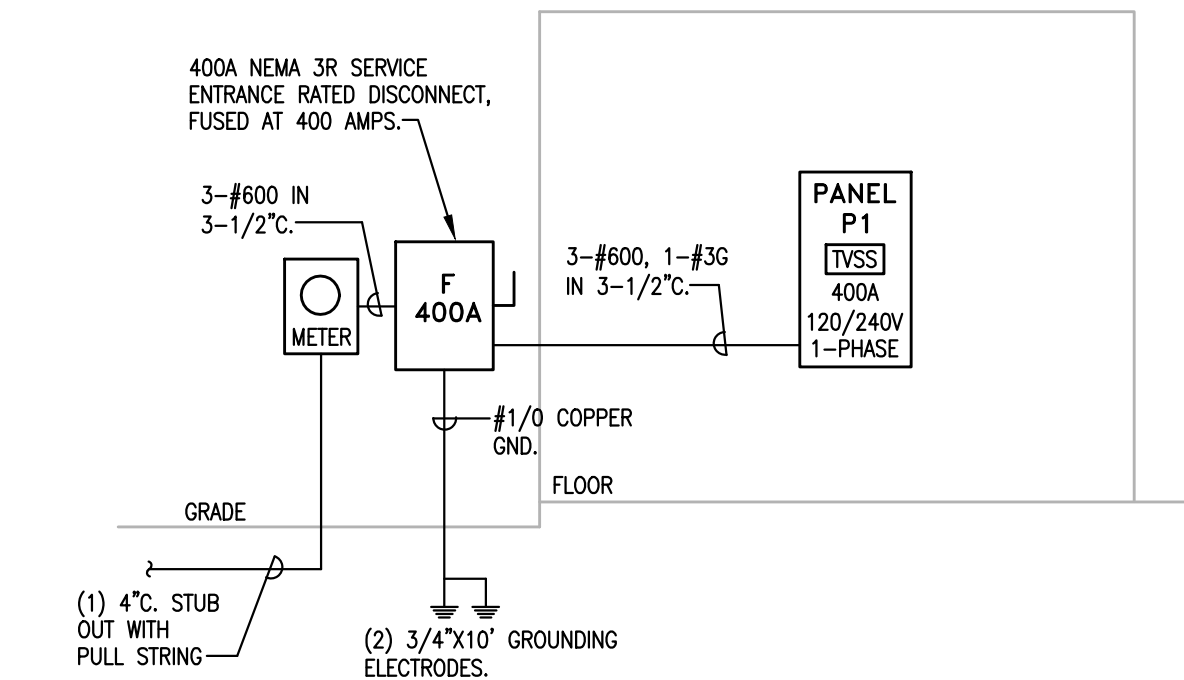


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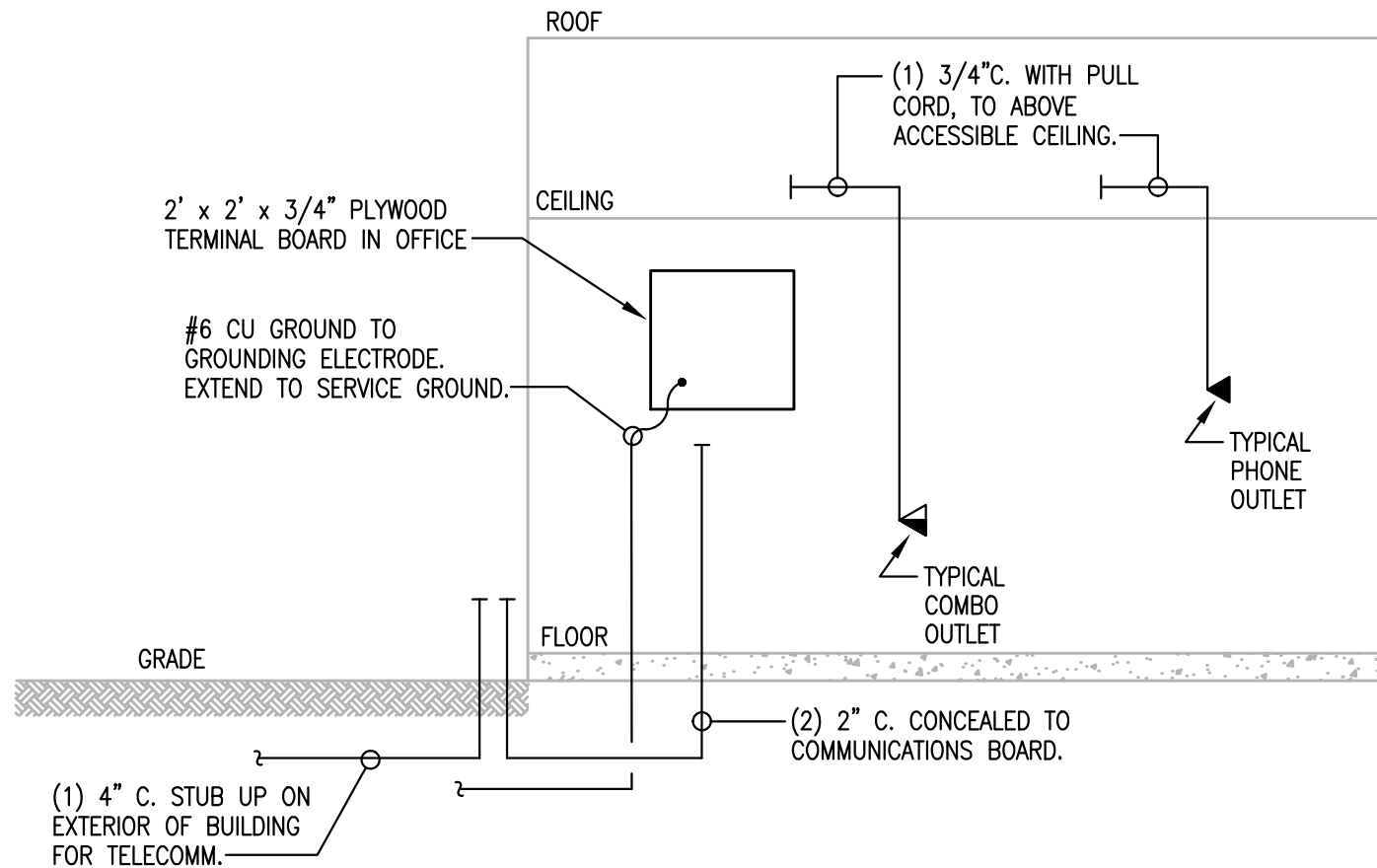
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LIGHTING	CONDUIT AND WIRE
 SURFACE MOUNT, WRAP FIXTURE	 FLEXIBLE CONDUIT, SEALTITE AT WET LOCATIONS
 RECESSED CEILING FIXTURE	 CONDUIT CONCEALED IN WALL OR ABOVE CEILING
 SURFACE/STRUCTURE HI-BAY FIXTURE	 CONDUIT BELOW FLOOR OR CONCEALED IN WALL
 BATTERY BACKUP EMERGENCY/EGRESS FIXTURE	 CONDUIT EXPOSED
SWITCHES	 CIRCUIT CONDUCTORS IN CONDUIT
 SINGLE POLE SWITCH - 20A, 120/277V, +48" AFF, UNLESS NOTED	 MULTIPLE CIRCUIT CONDUCTORS IN CONDUIT WITH NEUTRALS
 THREE WAY SWITCH - 20A, 120/277V +48" AFF, UNLESS NOTED	 GROUND CONDUCTORS IN CONDUIT
 FOUR WAY SWITCH - 20A, 120/277V +48" AFF, UNLESS NOTED	 CONDUIT UP
 MOTION SENSOR SWITCH, WALL MOUNT 48" AFF	 CONDUIT DOWN
 SINGLE POLE FAN SWITCH - 20A, 120/277V, +48" AFF, UNLESS NOTED	 CIRCUIT HOMERUN TO PANEL BOARD. XX-XX DENOTES PANEL NAME AND CIRCUIT NUMBER
 PHOTO ELECTRIC CONTROL, MOUNT AT BUILDING FACADE, UNLESS NOTED	 CONTINUATION OF CONDUIT RUN
 MOTORIZED DOOR OPEN/CLOSE CONTROL	DEVICES
SWITCHGEAR	 DUPLEX RECEPTACLE - 20A, 120V
 NON FUSED SAFETY SWITCH NEMA 3R AT WET LOCATIONS	 GFI DUPLEX RECEPTACLE - 20A, 120V
 FUSED SAFETY SWITCH NEMA 3R AT WET LOCATIONS	 GFI, WEATHER RESISTANT DUPLEX RECEPTACLE - 20A, 120V WITH IN-USE WEATHERPROOF COVER
 COMBO MOTOR STARTER/SAFETY SWITCH	 SINGLE RECEPTACLE - 30A, 250V, 2W, G
 LIGHT AND POWER PANELBOARD	 SINGLE RECEPTACLE - 30A, 250V, 2W, G WITH IN-USE WEATHERPROOF COVER
 METER	 SINGLE RECEPTACLE - 50A, 250V, 2W, G
 TRANSIENT VOLTAGE SURGE SUPPRESSOR	 20A, 120V, CORD CAP, 250V, 2W, G MOUNTED FROM CEILING
 SPECIAL ELECTRICAL CONNECTION	 K&H INDUSTRIES RTHSL-WW-B12K, OR EQUAL
 WATER HEATER ELECTRICAL CONNECTION	 30A, 120V, CORD CAP, 250V, 2W, G MOUNTED FROM CEILING
 EX. FAN ELECTRICAL CONNECTION	 K&H INDUSTRIES RTHSL-WW-B10G, OR EQUAL
 AIR HANDLING UNIT ELECTRICAL CONNECTION	MOUNT ALL DEVICES AT +18" AFF, UNLESS NOTED OTHERWISE.
 CONDENSING UNIT ELECTRICAL CONNECTION	COMMUNICATIONS
	 TELEPHONE OUTLET +18" AFF, UNLESS NOTED
	 COMBO DATA/TELEPHONE OUTLET +18" AFF, UNLESS NOTED
	 TELEPHONE/TELEVISION TERMINAL BOARD 3/4" 2'x2' FIRE RATED PLYWOOD

LUMINAIRE SCHEDULE						
MARK	LAMPS	MOUNTING	DESCRIPTION	MANUFACTURER	EQUALS	
C1	LED	RECESSED CEILING	LED, 6" RECESSED WAFER LIGHT	LITHONIA WF6-LED-35K-MVOLT	OR APPROVED EQUAL	
EWP	LED	WALL; ABOVE DOOR	EMERGENCY/EGRESS FIXTURE, EXTERIOR	ISOLITE OWL-EM-BZ-MB	OR APPROVED EQUAL	
F1	LED	SURFACE CEILING	LED, LOW PROFILE WRAPAROUND FIXTURE	LITHONIA LBL4-4800LM-80CRI-35K-MVOLT	OR APPROVED EQUAL	
F1E	LED	SURFACE CEILING	LED, LOW PROFILE WRAPAROUND FIXTURE, W/EMERGENCY	LITHONIA LBL4-4800LM-80CRI-35K-MVOLT-EL14L	OR APPROVED EQUAL	
H1	LED	SUSPENDED AT STRUCTURE	LED, ROUND HI-BAY FIXITRE, SWITCHABLE LUMENS	LITHONIA CPR8-ALO13-UVOLT-SWW9-80CRI-DWH-12000/15000/18000	OR APPROVED EQUAL	
W1	LED	WALL; (VERIFY)	LED, EXTERIOR WALL PACK	LITHONIA TWX1-LED-ALO-40K-MVOLT-DDBTXD	OR APPROVED EQUAL	
W2	LED	WALL; (VERIFY)	LED, EXTERIOR WALL PACK	LITHONIA TWX2-LED-ALO-40K-MVOLT-DDBTXD	OR APPROVED EQUAL	
XE	RED LED	WALL/CEILING	COMBO EXIT/EMERGENCY EGRESS - 1 SIDE - ALUMINUM HOUSING	ISOLITE DCL-R-U-BA-BA-MTEBP	OR APPROVED EQUAL	
NOTE: LUMINAIRES WITH "E" DESIGNATION SHALL HAVE INTEGRAL EMERGENCY BALLAST. CONNECT EMERGENCY BALLAST ONLY AHEAD OF ANY SWITCHING. NORMAL BALLAST TO BE SWITCHED AS INDICATED, UNLESS NOTED OTHERWISE.						

PANEL		BUSS: 400 AMP	VOLT: 120/240V, 1 PHASE, 3 WIRE						AIC RATING: 22,000			
P1		MAINS: 400A MLO	MOUNT: SURFACE, NEMA 1						LOCATION: GRINDER & PARTS ROOM			
CKT.	BKR.	DESCRIPTION	FEEDER	LOAD (AMPS)		LOAD (AMPS)		FEEDER	DESCRIPTION	BKR.	CKT.	
				A	C	A	C					
1	20/1	EXTERIOR LIGHTS	2-12, 1-12G	8		13.2		2-12, 1-12G	EQUIP. STOR. LIGHTS	20/1	2	
3	20/1	LIGHTS	2-12, 1-12G		10		8.8	2-12, 1-12G	EQUIP. STOR. LIGHTS		4	
5	20/1	EXHAUST FAN	2-12, 1-12G	5.8		6		2-12, 1-12G	REC. - GRINDER/PARTS ROOM	20/1	6	
7	20/1	REC. - COMM. BOARD	2-12, 1-12G		3		7.5	2-12, 1-12G	REC. - MECH. OFFICE	20/1	8	
9	20/1	REC. - RESTROOMS	2-12, 1-12G	7.5		6		2-12, 1-12G	REC. - DRINKING FOUNTAINS	20/1	10	
11	20/1	REC. - BREAK ROOM	2-12, 1-12G		4.5		4.5	2-12, 1-12G	REC. - BREAK ROOM	20/1	12	
13	20/1	ICE MACHINE	2-12, 1-12G	10		3		2-12, 1-12G	REC. - BREAK ROOM.	20/1	14	
15	20/1	REC. - BREAK ROOM REFRIG.	2-12, 1-12G		8		12	2-12, 1-12G	REC. - ASSIST. OFFICE	20/1	16	
17	20/1	REC. - SUPERVISOR OFFICE	2-12, 1-12G	10.5		7.5		2-12, 1-12G	REC. - EQUIP. STORAGE	20/1	18	
19	20/1	REC. - EQUIP. STORAGE	2-12, 1-12G		9		1.5	2-12, 1-12G	REC. - EQUIP. STOR. CORD REEL	20/1	20	
21	20/1	REC. - EQUIP. STORAGE	2-12, 1-12G	9		5.8		2-12, 1-12G	EQUIP. STOR. FAN	20/1	22	
23	20/1	EQUIP. STOR. FAN	2-12, 1-12G		5.8		5	2-12, 1-12G	ROLL UP DOOR	20/1	24	
25	20/1	ROLL UP DOOR	2-12, 1-12G	5		5		2-12, 1-12G	ROLL UP DOOR	20/1	26	
27	20/1	ROLL UP DOOR	2-12, 1-12G		5		5	2-12, 1-12G	ROLL UP DOOR	20/1	28	
29	20/2	EF-7 AND LOUVER	3-12, 1-12G	8		5		2-12, 1-12G	ROLL UP DOOR	20/1	30	
31					8				SPARE	20/1	32	
33	30/2	REC. - EQUIP. STORAGE	2-10, 1-10G	15		8		3-12, 1-12G	EF-8 AND LOUVER	20/2	34	
35					15		8					36
37	30/2	REC. - EQUIP. STORAGE	2-10, 1-10G	15		15		2-10, 1-10G	REC. - EQUIP. STORAGE	30/2	38	
39					15		15					40
41	30/2	REC. - GRINDER/PARTS	2-10, 1-10G	15		15		2-10, 1-10G	REC. - EQUIP. STORAGE	30/2	42	
43					15		15					44
45	30/2	REC. - EXTERIOR	3-10, 1-10G	20		15		2-10, 1-10G	REC. - GRINDER/PARTS	30/2	46	
47					20		15					48
49	20/1	SPARE				20		2-10, 1-10G	ICE MACHINE	30/2	50	
51	20/1	SPARE				20					52	
53	30/2	AHU-1 #2	2-10, 1-10G	22		18.75		2-10, 1-10G	WH-1	30/2	54	
55					22		18.75					56
57	50/2	CU-1	2-8, 1-10G	26		51		2-6, 1-10G	AHU-1 #1	60/2	58	
59					26		51					60
				176.8	166.3	194.3	187.1					
CONNECTED LOADS PER PHASE								A phase	371.1	amps		
								C phase	353.4	amps		



1 POWER RISER DIAGRAM
E100 SCALE: NONE



2 COMMUNICATIONS RISER DIAGRAM
E100 SCALE: NONE

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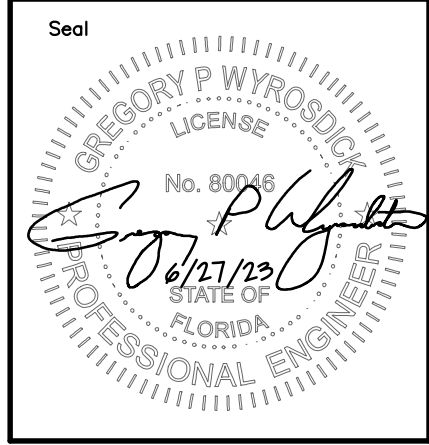
Project Name and Address

EAGLE SPRINGS GOLF
COURSE MAINT. BUILDING
WALTON COUNTY, FLORIDA

Sheet Title

ELECTRICAL LEGEND, LUMINAIRE
SCHEDULE, PANELBOARD SCHEDULE
AND DETAILS

No. Date Revision



Project No.	23-SM-03
Date	06/27/2023
Drawn By	WH
Checked By	GPW
Scale	AS SHOWN

Drawing No.
E100
1 of 3 Sheets

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GULFPORT, MISSISSIPPI 39503
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BASIC ELECTRICAL REQUIREMENTS

1. ALL ELECTRICAL WORK TO CONFORM TO CURRENT EDITIONS OF THE FLORIDA BUILDING CODES, AND OTHER APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, ORDINANCES, AND REGULATIONS. WHERE DRAWINGS OR SPECIFICATIONS EXCEED CODE REQUIREMENTS, THE DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. NO WORK SHALL BE DONE THAT VIOLATES THESE LAWS, ORDINANCES, AND REGULATIONS.
2. ALL WORK PERFORMED UNDER THIS DIVISION SHALL BE INSPECTED AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING WORK. NO ADDITIONAL SUE WILL BE AUTHORIZED DUE TO LACKING OF UNDERSTANDING ON EXISTING CONDITIONS.
4. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES FOR SERVICE ENTRANCE REQUIREMENTS TO THE BUILDING/FACILITY. SERVICE ENTRANCES TO BE INSTALLED PER RESPECTIVE UTILITY COMPANY REQUIREMENTS.
5. PROVIDE FOR ALL PERMITTING AND INSPECTIONS. INCLUDE PAYMENT OF ALL PERMIT AND INSPECTION FEES APPLICABLE TO THE WORK IN THIS DIVISION.
6. PROVIDE ONE YEAR WARRANTY, RECORD (AS-BUILT) DRAWINGS, AND OPERATION/MAINTENANCE MANUALS ON ALL ELECTRICAL EQUIPMENT AND LIGHTING.
7. DURING CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE CARE AND TAKE APPROPRIATE PRECAUTIONARY MEASURES TO PREVENT ANY DAMAGE TO THE EXISTING STRUCTURES, SIDEWALKS, UTILITIES, COMMUNICATIONS, ETC. DURING THE PROJECT. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED BY OR DURING THE PROJECT. CORRECTIONS SHALL BE MADE AT LESS THAN TWO (2) AND NOT MORE THAN TWENTY (20) WORKING DAYS ADVANCE. WRITING, ELECTRONIC, OR TELEPHONIC NOTICE OF THE COMMENCEMENT, EXTENT, LOCATION AND DURATION OF THE EXCAVATION WORK TO LOCAL OR STATE ONE-CALL SYSTEMS AND ANY NONMEMBERS OPERATOR(S) OF ANY UNDERGROUND UTILITY LINES OR UNDERGROUND FACILITIES IN AND NEAR THE EXCAVATION AREA, SO THAT OPERATOR(S) AND ANY NON-MEMBER OPERATOR(S) MAY LOCATE AND MARK THE LOCATION OF UNDERGROUND UTILITY LINES AND UNDERGROUND FACILITIES IN THE EXCAVATION AREA.
8. PROTECT AND INSTALL TEMPORARY POWER AND LIGHTING WITH OWNER OR UTILITY COMPANY FOR CONNECTIONS. ALL TEMPORARY LIGHTING AND POWER SHALL CONFORM TO OSHA STANDARDS AND ALL CODE REQUIREMENTS.
9. WORKERS POSSESSING THE SKILLS AND EXPERIENCE OBTAINED IN PERFORMING WORK OF SIMILAR SCOPE AND COMPLEXITY SHALL PERFORM THE WORK OF THIS DIVISION.
10. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND THE SIZE AND LOCATION OF EQUIPMENT IS INDICATED TO SCALE WHENEVER POSSIBLE. VERY CHANGES, DIMENSIONS, DIMENSIONS, IDENTIFICATION EQUIPMENT SIZES, AND MANUFACTURER'S DATA AND INFORMATION AS SHOWN ON OR INSTALLED UNDER THE PROJECT. COORDINATE LOCATION AND LAYOUT WITH OTHER WORK.
11. DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF CONDUITS, NUMBER AND SIZE OF CONDUCTORS, AND DIAGRAMMATIC ROUTING OF CONDUITS. INSTALL CONDUITS WITH MINIMUM NUMBER OF BENDS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, KEEP OPENINGS AND PASSAGeways CLEAR, AND COMPLY WITH APPLICABLE CODE REQUIREMENTS.
12. OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ELEMENTS PRIOR TO START OF CONSTRUCTION. LOCATIONS INDICATED ON THE DRAWINGS MAY BE DISTORTED FOR CLASH. WHERE INSTALLED AT MILLWORK, OUTLETS SHALL BE LOCATED IN KNEE SPACE OR ABOVE COUNTERTOP.
13. COORDINATE ELECTRICAL WORK WITH ALL OTHER WORK.
14. THE SCOPE OF THE ELECTRICAL WORK INCLUDES UNLOADING, UNLOADING, INSTALLING TESTING AND WARRANTY OF ALL ELECTRICAL WORK AND COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE ELECTRICAL DRAWINGS AND SPECIFIED HEREIN.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL SYSTEMS TO PROVIDE A COMPLETE PACKAGE AS INDICATED BY THE CONTRACT DOCUMENTS. THE DOCUMENTS ARE INTENDED TO PROVIDE AN OUTLINE FOR THE REQUIRED INSTALLATIONS. THE CONTRACTOR SHALL ULTIMATELY PROVIDE A COMPLETE AND OPERATIONAL SYSTEM AT THE CONCLUSION OF THE PROJECT.
16. DETAILS ARE PROVIDED AS THEY RELATE TO THE INSTALLATION. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS COMPONENTS, PARTS, MATERIALS, FASTENERS, SPLICES, AND ANY OTHER INCIDENTAL ITEMS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
17. ELECTRICAL CONNECTIONS INDICATED ON DRAWINGS SHALL INCLUDE WIRING, INSTALLATION, CONNECTION AND ADJUSTMENT. REQUIRED ELECTRICAL CONNECTIONS SHALL BE PERFORMED FOR SUCH EQUIPMENT AND APPLIANCES. WORK SHALL INCLUDE FURNISHING AND INSTALLING SUITABLE OUTLETS, DISCONNECTING DEVICES, STARTERS, PUSH-BUTTON STATIONS, SELECTOR SWITCHES, CONDUIT, JUNCTION BOXES, AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL INSTALLATION.
18. REMOVE MATERIALS AND EQUIPMENT FROM DAMAGE AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING PROGRESS OF THE WORK. DAMAGED MATERIALS AND/OR EQUIPMENT SHALL BE REPLACED. REMOVE RUBBISH, DEBRIS AND WASTE MATERIALS AND LEGALLY DISPOSE OF OFF THE PROJECT SITE.
19. REMOVE GREASE AND OIL SPOTS WITH SOLVENT. SUCH SURFACES SHALL BE WIPED AND CORNERS AND CRACKS SCRAPPED OUT. EXPOSED ROUGH METAL SHALL BE SMOOTH, FREE OF SHARP EDGES, CAREFULLY STEEL BRUSHED TO REMOVE RUST AND OTHER SPOTS, AND LEFT IN PROPER CONDITION TO RECEIVE FINISH PAINTING.
20. ADVISE THE GENERAL CONTRACTOR OR ARCHITECT BEFORE STARTING THE WORK OF THIS DIVISION.
21. EXPOSED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES ADJACENT TO INSTALLATION. REFER TO PAINTING AND COATING SECTION OF SPECIFICATIONS.
22. VERIFY ALL DIMENSIONS AND CLEARANCES WITH ARCHITECT AND OWNER.
23. SEAL ALL WALL PENETRATIONS WITH AN APPROVED CALK COMPOUND EQUAL TO 3M FIRE BARRIER CAULK.
24. COORDINATE PHASING OF WORK WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES / DISCIPLINES FOR ELECTRICAL INSTALLATIONS.
25. NOTIFY THE ENGINEER IMMEDIATELY OF ANY PLAN DISCREPANCIES PRIOR TO PROCEEDING WITH ROUGH-IN OR TRIM OUT.

BASIC ELECTRICAL MATERIALS, BOXES, CONDUIT, WIRING, AND GROUNDING

1. BOXES INSTALLED IN CONCEALED WORK SHALL BE GALVANIZED STEEL, PRESSED, OR WELDED TYPE, WITH KNOCKOUTS.
2. BOXES SHALL BE 4-INCH OCTAGON, 4-INCH SQUARE, 2-1/8 INCHES DEEP OR LARGER, DEPENDING UPON NUMBER OF CONDUCTORS OR CONDUITS THEREIN, UNLESS NOTED OTHERWISE. PLASTER OR TILE RINGS SHALL BE FURNISHED FOR SUITABLE MOUNTING OF LIGHT FIXTURE. PROVIDE SUITABLE COVERS FOR ALL BOXES.
3. JUNCTION AND PULL BOXES, IN ADDITION TO THOSE INDICATED, SHALL ONLY BE USED IN COMPLIANCE WITH CODES, RECOGNIZED STANDARDS, AND CONTRACT DOCUMENTS. PROVIDE NEMA 3R WHERE INSTALLED OUTDOORS OR SUBJECT TO MOISTURE. PROVIDE POLYMER CONCRETE PULL BOXES AS NOTED WHERE INSTALLED AT GRADE LEVEL. PROVIDE SUITABLE COVERS FOR ALL BOXES.
4. ALL CONDUIT IN SLAB AND UNDERGROUND TO BE PVC SCH. 40.
5. ALL INTERIOR CONDUITS CONCEALED IN WALLS, ABOVE CEILING, OR IN EXPOSED STRUCTURE SHALL BE EMT WITH COMPRESSION FITTINGS FOR CONDUITS 1" AND SMALLER, CONDUITS 1 1/4" AND ABOVE SHALL HAVE STAY-SCREW FITTINGS. METAL-CLO (MC) CABLE MAY ONLY BE USED FOR FLEX CONNECTIONS TO LIGHT FIXTURES WHERE INSTALLED ABOVE LAY-IN ACUSTICAL CEILING, OR WHERE INSTALLED CONCEALED WITHIN BUILDING PURLING AT ROOF.
6. ALL EXPOSED CONDUITS SHALL BE GALVANIZED RIGID TO 10 FEET ABOVE FINISHED FLOOR WHEN INSTALLED IN AREAS SUSCEPTIBLE TO DAMAGE.
7. ALL CONDUITS SHALL BE INSTALLED PARALLEL TO AND PERPENDICULAR TO BUILDING STRUCTURE. DO NOT INSTALL CONDUITS AT "ANGLED" OR "STRAIGHT-RUNS" BETWEEN BOXES.
8. FEEDER CONDUITS SHALL BE PVC BELOW GRADE, GRC ELBOWS AND RISERS UP TO PANELS FROM BELOW GRADE, OR EMT WHERE INSTALLED OVERHEAD AND COMPLETELY INDOORS, UNLESS NOTED OTHERWISE.
9. ALL WIRING SHALL BE COPPER.
10. ALL WIRING SHALL BE #12 AWG MINIMUM, THHN/THWN, UNLESS NOTED OTHERWISE.
11. ALL WIRING SHALL BE CONDUCTOR TYPE THHN OR THWN INSULATED WITH POLYVINYL CHLORIDE AND COVERED WITH A PROTECTIVE SHEATH OF NYLON, RATED AT 600 VOLTS. WIRES SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) FOR INSTALLATION IN ACCORDANCE WITH ARTICLE 310 OF THE NATIONAL ELECTRICAL CODE (NEC). CONDUCTORS MAY BE SOLID OR STRANDED COPPER FOR 12 AWG AND SMALLER CONDUCTORS, AND STRANDED COPPER FOR 10 AWG AND LARGER CONDUCTORS. CONDUCTORS SHALL BE INSULATED WITH PVC AND SHEATHED WITH NYLON.
12. GROUNDING SHALL BE INSTALLED PER NEC SECTION 250.
13. METALLIC OBJECTS ON THE PROJECT SITE THAT ENCLOSE ELECTRICAL CONDUCTORS, OR THAT ARE LIKELY TO BE ENERGIZED BY ELECTRICAL CURRENTS, SHALL BE EFFECTIVELY GROUNDED.
14. METAL EQUIPMENT PARTS, SUCH AS ENCLOSURES, RACEWAYS, AND EQUIPMENT GROUNDING CONDUCTORS, AND EARTH GROUNDING ELECTRODES SHALL BE SOLIDLY JOINED TOGETHER INTO AN CONTINUOUSLY ELECTRICALY CONDUCTIVE SYSTEM.
15. METALLIC SYSTEMS SHALL BE EFFECTIVELY BONDED TO THE MAIN GROUNDING ELECTRODE SYSTEM.
16. ELECTRICAL CONTINUITY TO GROUND METAL RACEWAYS AND ENCLOSURES, ISOLATED FROM EQUIPMENT GROUND BY INSTALLATION OF NON-METALLIC CONDUIT OR FITTINGS, SHALL BE PROVIDED BY A GREEN INSULATED GROUNDING CONDUCTOR OF REQUIRED SIZE WITHIN EACH RACEWAY CONNECTED TO THE METAL RACEWAY OR FITTING, OR EXPOSED TO THE AIR, OR EXPOSED TO THE EARTH, EACH FLEXIBLE CONDUIT OVER 6 FEET IN LENGTH SHALL BE PROVIDED WITH A GREEN INSULATED GROUNDING CONDUCTOR OF REQUIRED SIZE.
17. COLD WATER, AND/OR OTHER PIPING SYSTEMS, SHALL NOT BE UTILIZED AS GROUNDING ELECTRODES DUE TO THE INSTALLATION OF INSULATING COUPLINGS AND NON-METALLIC PIPE IN SUCH INSTALLATIONS.
18. NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, PANELS, EQUIPMENT CABINETS, AND METAL FRAMES OF BUILDINGS SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED, PROVIDE A NEC SIZED GROUNDING CONDUCTOR IN EVERY RACEWAY.
19. NEUTRAL OF SERVICE CONDUCTORS SHALL BE GROUNDED AS FOLLOWS: NEUTRALS SHALL BE GROUNDED AT THE SERVICE PANELBOARD, OR MAIN SWITCH, EQUIPMENT AND CONDUIT GROUNDING CONDUCTORS SHALL BE BONDED TO THAT GROUNDING POINT, FEEDER NEUTRALS SHALL BE BONDED AT SERVICE ENTRANCE POINT ONLY, NEUTRALS OF SEPARATELY DERIVED SYSTEMS SHALL BE BONDED AT THE SOURCE ONLY.
20. WITHIN EVERY RACEWAY, THE MAIN PANELBOARD, SHALL BE BONDED TO THE COLD WATER LINE. METALLIC PIPING SYSTEMS SUCH AS GAS, FIRE, STEAMER, OR OTHER SYSTEMS SHALL BE BONDED TO THE COLD WATER LINE.
21. GROUNDING ELECTRODES SHALL BE COPPER-CU CLAD, MINIMUM 3/4 INCH DIAMETER BY 10 FEET LONG. INSTALL ADDITIONAL ELECTRODES WHERE GROUND REMAINS HIGHER THAN 25 OHMS. INSTALL GROUNDING ELECTRODES AS NOTED ON DRAWINGS.
22. GROUNDING CONDUCTORS SHALL BE COPPER, #12 MINIMUM WITH GREEN INSULATION, UNLESS NOTED OTHERWISE.
23. GROUND TALLS SHALL BE COPPER, #12 MINIMUM WITH GREEN INSULATION, INSTALLED IN ALL METALLIC JUNCTION BOXES WHERE DEVICES ARE BEING INSTALLED. BRANCH CIRCUIT GROUND, JUNCTION BOX, AND DEVICES SHALL BE BONDED AT EACH JUNCTION BOX.

WIRING DEVICES

1. RECEPTACLES SHALL COMPLY WITH NEMA WD 1, NEMA WD 6, AND UL 498.
2. SWITCHES SHALL COMPLY WITH NEMA WD 1 AND UL 20.
3. DUPLEX RECEPTACLES SHALL BE HEAVY-DUTY SPECIFICATION GRADE, GROUNDING TYPE. TERMINAL SCREWS SHALL BE BACK AND SIDE WIRED WITH INTERNAL SCREW PRESSURE PLATES. MOUNTING STRAP SHALL FEATURE HEAVY-DUTY BRASS CONSTRUCTION. RECEPTACLE BACK BODY SHALL BE P.V.C. RECEPTACLE FACE SHALL BE IMPACT RESISTANT-NYLON. RECEPTACLES SHALL HAVE TRIPLE WIRE BRASS POWER CONTACTS.
4. PROVIDE SPECIFICATION GRADE GROUND-AUTOMATIC INTERRUPTER (GFCI) TYPE RECEPTACLES IN ACCORDANCE WITH UL STANDARDS. GFCI RECEPTACLES SHALL HAVE TRIP PROTECTION LEVER. RECEPTACLES TERMINAL SCREWS SHALL BE BACK AND SIDE WIRED WITH INTERNAL SCREW PRESSURE PLATES. TEST AND RESET BUTTONS SHALL MATCH DEVICE BODY IN COLOR. GFCI RECEPTACLES SHALL BE MANUFACTURED IN STANDARD CONFIGURATION FOR INSTALLATION WITH STAINLESS STEEL SMOOTH PLATES. EXTERIOR MOUNTED RECEPTACLES SHALL BE MOUNTED INSIDE WEATHERPROOF ENCLOSURE.
5. FOR EQUIPMENT RECEPTACLES, PROVIDE 2-WIRE OR 3-WIRE, GROUNDING TYPE, RATED 30 OR 50 AMPS AT 125/250 VOLTS, NEMA RATING AS NOTED ON DRAWINGS OR AS REQUIRED FOR EQUIPMENT, WITH 2-GANG STAINLESS STEEL PLATES.
6. PROVIDE LOCAL SWITCHES, HIGH STRENGTH THERMOPLASTIC TOGGLE, SPECIFICATION GRADE, RATED 20 AMPS AT 120-277 VOLTS AC ONLY, WITH TRIP AND EXHAUSTION TRIP PROTECTION LEVER. SWITCHES SHALL BE BACK AND SIDE WIRED, AND STANDARD SIZE COMPOSITION CUPS WHICH FULLY ENGAGE MECHANISM. SWITCHES SHALL BE APPROVED FOR INSTALLATION AT CURRENTS UP TO FULL RATING ON RESISTIVE, INDUCTIVE, TUNGSTEN FILAMENT LAMP AND FLUORESCENT LAMP LOADS, AND FOR UP TO 80 PERCENT OF RATING FOR MOTOR LOADS. SWITCHES SHALL HAVE OVERSIZED SILVER ALLOY CONTACTS FOR LONG LIFE AND BETTER HEAT DISSIPATION. PROVIDE SWITCHES AS SINGLE POLE, DOUBLE POLE, 3-WAY, 4-WAY, NON-LOCK TYPE.
7. WHERE NOTED, PROVIDE OCCUPANCY SENSOR SWITCHES (CEILING OR WALL MOUNT). SWITCHES SHALL BE DUAL TECHNOLOGY WITH INPUT VOLTS AND LOAD CHARACTERISTICS SUITABLE FOR LOADS BEING SERVED).
8. PROVIDE STAINLESS STEEL FACELATE ON ALL DEVICES.
9. WHERE DEVICES ARE TO BE INSTALLED AT MILLWORK OR ABOVE COUNTERS, COORDINATE WITH ARCHITECT FOR DEVICE HEIGHTS AND LOCATIONS PRIOR TO ROUGH-IN. INSTALL OUTLETS TO BE IN KNEE SPACE AREA OR IN AREA THAT WILL BE ACCESSIBLE AFTER MILLWORK IS COMPLETED.

PANEL BOARDS AND SAFETY SWITCHES

1. PROVIDE ENGRAVED NAMEPLATE LABEL FOR ALL PANELBOARDS, SWITCHES (WHERE USED), DISCONNECTS, AND ANY EQUIPMENT NOTED ON REQUIRING NAMEPLATE IDENTIFICATION.
2. ALL ELECTRICAL PANELS SHALL BE COPPER BUSBRED, PANELBOARDS AND CONSTRUCTED TO NATIONAL ELECTRIC CODE, ARTICLE 408, UL 67, PANELBOARDS; UL 50, CABINETS AND BOXES; UL 943, GFCI; UL 489, MOLDED CASE CIRCUIT BREAKERS; NEMA PB1; AND FEDERAL SPECIFICATIONS W-P-115C AND WC-375B. LOAD CENTERS NOT ALLOWED UNLESS NOTED OTHERWISE.
3. PANELBOARDS SHALL BE WALL-MOUNTED, ENCLOSED SAFETY TYPE WITH 120/240 VOLT, 3-WIRE SPLIT NEUTRAL MAINS AS INDICATED ON DRAWINGS AND SPECIFICATIONS. IF A BUILDING SHALL BE PROVIDED WITH MAIN OR SUB-FEEDER CIRCUIT BREAKERS WHERE INDICATED, PROVIDE NEMA 3R PANEL ENCLOSURES WHERE INSTALLED OUTDOORS OR WHERE SUBJECT TO MOISTURE OR WHERE NOTED ON DRAWINGS.
4. SURGE SUPPRESSORS SHALL BE INSTALLED WHERE INDICATED ON DRAWINGS, PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSORS AS SEPARATELY INSTALLED OF PANELBOARDS. PANELBOARDS SHALL BE COMPLETE WITH FULLY RATED CIRCUIT NEUTRAL BUS, GROUND BUS AND ISOLATED GROUND BUS. SURGE SUPPRESSORS SHALL BE AS FOLLOWS: SURGE CAPACITY: SERVICE ENTRANCE SPS SHALL BE ANSI/UL LISTED TYPE 1 SPD WITH A MINIMUM RATED SURGE CURRENT CAPACITY OF 10,000 AMPERES (8/20 MICROSECOND WAVE) TYPE 1 SPD WITH A 80 KA SURGE RATING PER MODE. SURGE SUPPRESSION UNITS SHALL MEET UL 1449 3RD EDITION SUPPRESSED VOLTAGE RATING. MOV'S SHALL BE THERMALLY PROTECTED FOR LOW CURRENT FALTS AND SHALL BE FUSED WITH SURGE-RELATED FUSES. THE SURGE-RATED SURGE CURRENT PASSES AND CLEARS THE CIRCUIT SAFELY IF THE SURGE CAPACITY IS EXCEEDED. ENHANCED DIAGNOSTICS SHALL CONTINUOUSLY MONITOR THE UNIT'S STATUS AND SHALL INCLUDE LEADS TO SIGNAL A REDUCTION IN SURGE CAPACITY OR THE LOSS OF A SUPPRESSION CIRCUIT. AN AUDIBLE ALARM WITH TEST AND SILENCE FUNCTIONS, SHALL BE FURNISHED IN DIAGNOSTIC PACKAGE.
5. SINGLE POLE BRANCHES SHALL BE MOLDED CASE, THERMAL MAGNETIC CIRCUIT BREAKERS WITH INVERSE TIME DELAY, TRIP FREE, QUICK-MAKE, QUICK-BREAK MECHANISM AND SILVER ALLOY CONTACTS. CIRCUIT BREAKERS SHALL BE FULLY RATED, WITH AMPERE RATING MARKED ON HANDLE AND SHALL INDICATE ON/OFF AND TRIPPED POSITIONS. GROUND FULT INTERRUPTERS SHALL BE INCORPORATED INTO CIRCUIT BREAKERS WHERE INDICATED. THEY SHALL BE LISTED BY UL, OR OTHER NRTL AS GROUND FULT DEVICES. PROVIDE APPROPRIATE LUG KIT OF SUFFICIENT SIZE TO ACCOMMODATE THE MAINS AND LOADS.
6. TWO-POLE BRANCHES SHALL BE ENCLOSED, AND SHALL BE THERMAL MAGNETIC CIRCUIT BREAKERS WITH INVERSE TIME DELAY, TAMPER-PROOF, AMBIENT COMPENSATED, SINGLE HANDLE, INTERNAL COMMON TRIP, AND QUICK-MAKE, QUICK-BREAK MECHANISM WITH SILVER ALLOY CONTACTS. CIRCUIT BREAKERS SHALL BE FULLY RATED OR AS OTHERWISE INDICATED ON THE DRAWINGS.
7. MAIN AND SUBFEEDER CIRCUIT BREAKERS SHALL BE ENCLOSED, THERMAL MAGNETIC TYPE WITH INVERSE TIME DELAY, SINGLE HANDLE COMMON TRIP, QUICK-MAKE, QUICK-BREAK MECHANISM, CORROSION-RESISTANT BEARINGS AND SILVER ALLOY CONTACTS, AMPERE FRAME SIZE, TRIP RATING AND TRIP POINT INDICATED ON THE HANDLE. BRANCHES SHALL BE ENCLOSED, TWO-POLE BRANCH MOUNTED MAINS ARE NOT ACCEPTABLE. CIRCUIT BREAKERS SHALL BE FULLY RATED AND OF ONE-PIECE, BOLT-ON TYPE AND SHALL MEET SHORT-CIRCUIT INTERRUPTING CAPACITY REQUIREMENTS INDICATED ON DRAWINGS.
8. INTERNAL PHASE AND GROUND BUS SHALL BE COPPER.
9. PROVIDE A NEATLY TYPEWRITTEN PANELBOARD SCHEDULE WITH NUMBER OR NAME OF ROOM OR AREA, OR LOAD SERVED BY EACH PANELBOARD CIRCUIT. SCHEDULE SHALL ALSO INDICATE PANEL DESIGNATION, VOLTAGE AND PHASE, BUILDING AND DISTRIBUTION PANEL OR SWITCHBOARD FROM WHICH IT IS FED. SCHEDULE SHALL BE INSTALLED IN A FRAME UNDER TRANSPARENT PLASTIC ON INSIDE OF EACH PANELBOARD DOOR.
10. ALL ELECTRICAL DISCONNECTS SHALL BE HEAVY DUTY AND RATED FOR VOLTAGE AND AMPACITY OF EQUIPMENT BEING SERVED, UNLESS NOTED OTHERWISE. PROVIDE DISCONNECTS AS INDICATED ON DRAWINGS. WHERE NOTED, PROVIDE NEMA 3R ENCLOSURES WHERE INSTALLED OUTDOORS OR WHERE SUBJECT TO MOISTURE OR WHERE NOTED ON DRAWINGS.
12. INSTALL ALL ELECTRICAL EQUIPMENT WITH CODE REQUIRED CLEARANCES.

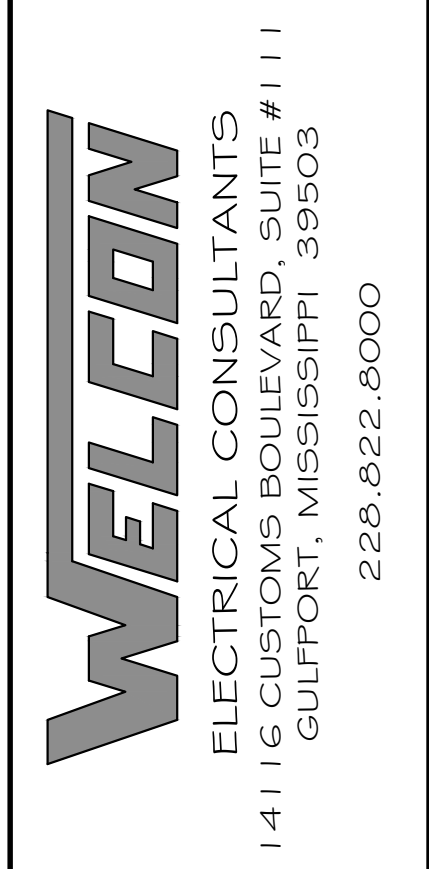
LIGHTING

1. LIGHT FIXTURES MODEL NUMBERS WERE DETERMINED AT THE TIME THIS SPECIFICATION WAS WRITTEN; MODEL NUMBERS MAY NEED TO BE MODIFIED, OR MAY REQUIRE THE ADDITION OR DELETION OF OPTIONS TO FULLY MEET SPECIFICATION REQUIREMENTS.
2. DESIGN OF LIGHTING FIXTURES, ACCESSORIES, SUPPORTS, AND METHOD OF FIXTURE INSTALLATION SHALL COMPLY WITH REQUIREMENTS OF CEILING TYPE WHICH FIXTURE IS INSTALLED.
3. PROVIDE SUSPENSION POINTS AT NO MORE THAN 2 FEET FROM FIXTURE ENDS. SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
4. PROVIDE ALL NECESSARY COMPONENTS TO INSTALL FIXTURES IN CEILING TYPES BEING INSTALLED. SURFACE MOUNT FIXTURES SHALL BE ATTACHED TO STRUCTURE. TOGGLE BOLTS ARE NOT PERMITTED. PROVIDE BACKING WHERE REQUIRED.
5. COMPONENTS AND FIXTURES SHALL BE LISTED AND APPROVED FOR THE INTENDED APPLICATION BY UNDERWRITER'S LABORATORIES (UL), OR OTHER NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
6. LIGHTING FIXTURES SHALL BE THE TYPE INDICATED ON DRAWINGS AND AS SPECIFIED. FIXTURES OF SAME TYPE SHALL BE OF ONE MANUFACTURER.
7. FIXTURES SHALL BE OF THE TYPES AND MANUFACTURERS DESCRIBED IN THE LUMINAIRE SCHEDULE OF THE DRAWINGS, WITH LAMPS, WATTAGE AND VOLTAGE AS INDICATED OR APPROVED ALIKE. SUBMIT TO ENGINEER FOR ANY SUBSTITUTION APPROVALS PRIOR TO PURCHASE AND INSTALLATION.
8. ALL FIXTURE SHALL BE HIGH EFFICIENCY, HAVE SUITABLE BALLASTS OR DRIVERS TO MATCH LAMP TYPES, AND BE RATED FOR VOLTAGE BEING SUPPLIED.
9. ALL LAMPS SHALL AS NOTED ON DRAWINGS. PROVIDE LAMPS FOR ALL FIXTURES AS NOTED.
10. WHERE EMERGENCY BATTERY PACKS ARE INSTALLED, PROVIDE CONSTANT HOT FOR EMERGENCY FIXTURES. UNLESS NOTED OTHERWISE, WHEN POWERING UNIT INVERTER POWER PACKS, USE THE SAME CIRCUIT THAT POWERS THE SWITCHED BALLAST TO POWER THE INVERTER.
11. WHERE EMERGENCY BALLAST(S) ARE SPECIFIED WITHIN THE FIXTURE, PROVIDE CONSTANT HOT FOR THE BALLAST(S). NONEMERGENCY BALLASTS WITHIN THE SAME FIXTURE SHALL BE SWITCHED AS INDICATED, UNLESS NOTED OTHERWISE.
12. CHECK AND ADJUST FIXTURES FOR REQUIRED ILLUMINATION. REPLACE DEFECTIVE LAMPS AND BALLASTS. TEST AND ADJUST LIGHTING CONTROL EQUIPMENT FOR PROPER OPERATION.

COMMUNICATIONS

1. COMMUNICATIONS DEVICES AND SYSTEMS SHALL BE ROUGH-IN ONLY, WITH 4" SQUARE DEEP BOX WITH APPROPRIATE EXTENSION RING. STUB (1) 3/4" MINIMUM CONDUIT FOR DATA/TEL DEVICES TO ABOVE UNLESS NOTED OTHERWISE.
2. ALL COMMUNICATIONS CONDUITS SHALL BE TERMINATED WITH PLASTIC BUSHING ON ENDS OF CONDUITS.
3. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
4. INSTALL CONDUITS BELOW GRADE AS NOTED ON PLANS FROM EDGE OF BUILDING TO THE TELECOM BACKBOARD. STUB UP AT BASE OF BACKBOARD UNLESS NOTED OTHERWISE ON PROJECT DETAILS.
5. PROVIDE AND INSTALL GROUNDING BUSHING WITH GROUND WIRE AS NOTED BACK TO SERVICE ENTRANCE GROUND.

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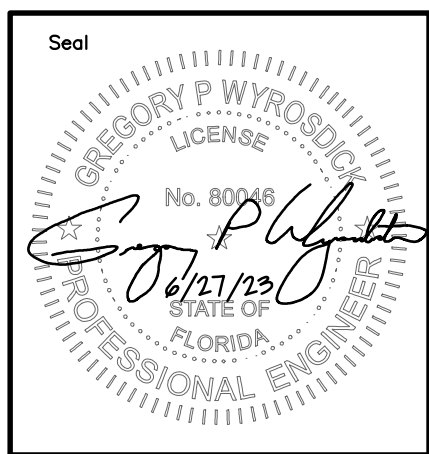


Project Name and Address

Sheet Title

ELECTRICAL GENERAL NOTES & SPECIFICATIONS

No.	Date	Revision

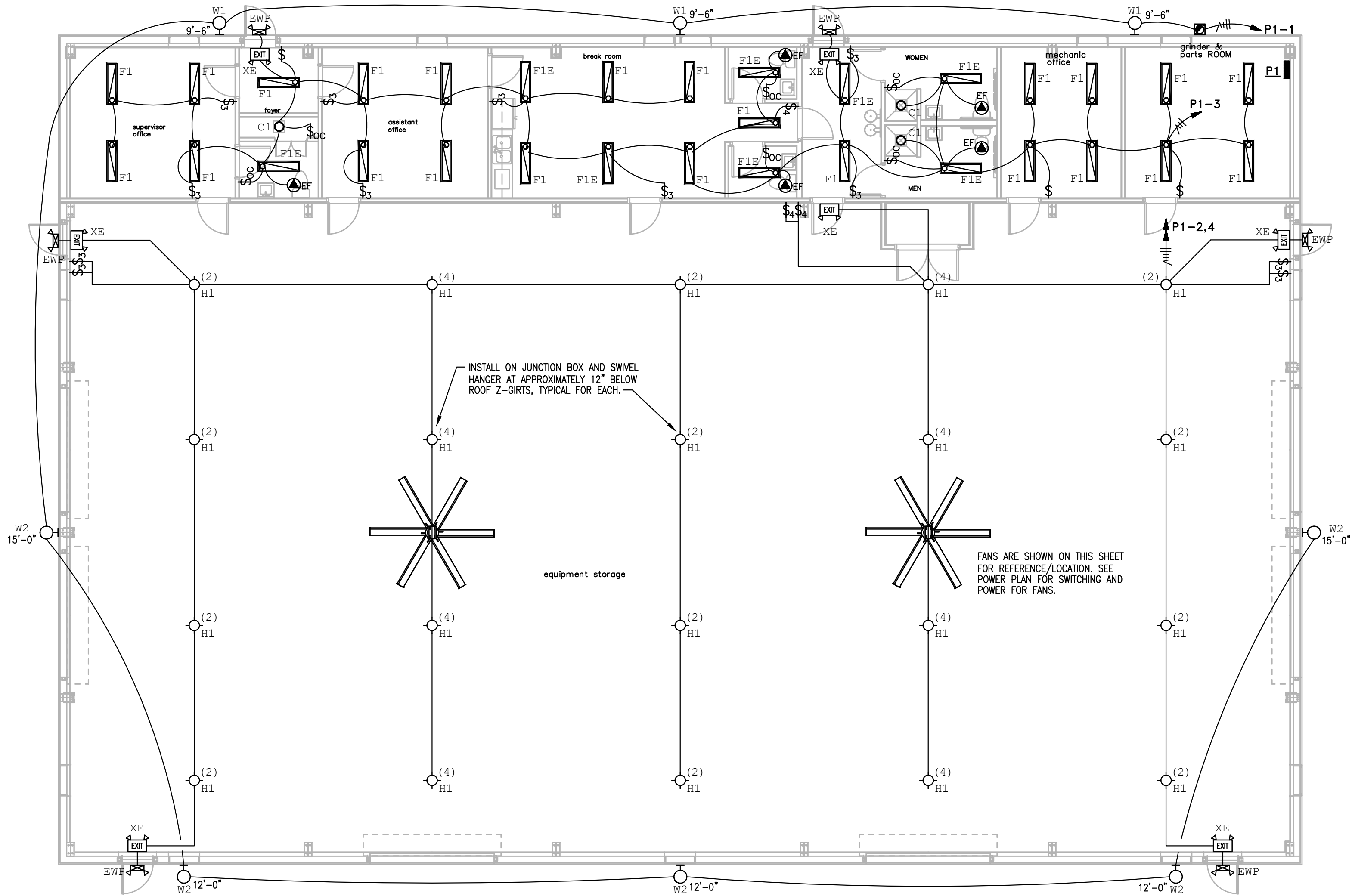


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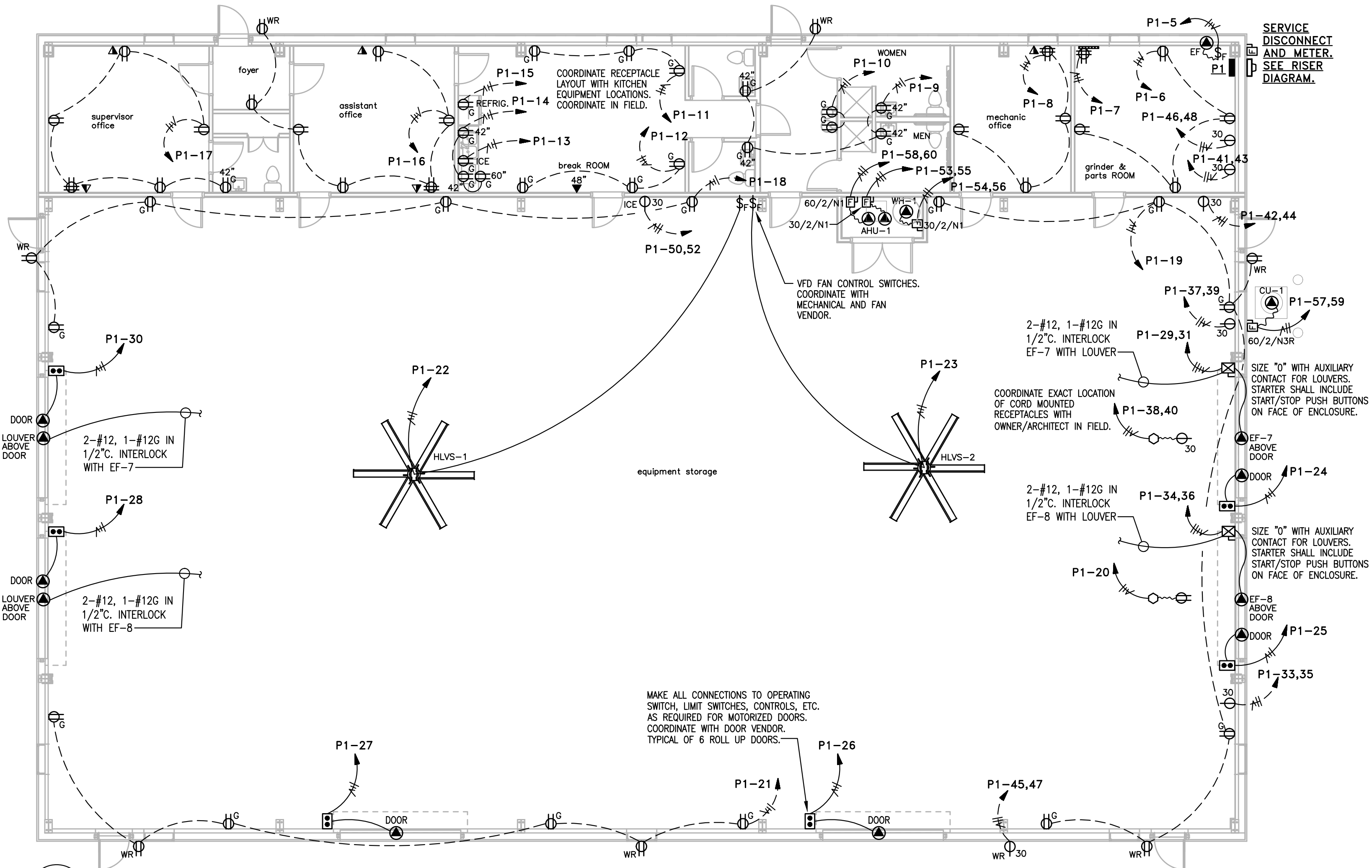
Drawing No.

E101

2 of 3 Sheets



1 LIGHTING PLAN
E102 SCALE: 1/8" = 1'-0"



2 POWER AND COMMUNICATIONS PLAN
E102 SCALE: 1/8" = 1'-0"

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EAGLE SPRINGS GOLF
COURSE MAINT. BUILDING
WALTON COUNTY, FLORIDA

Sheet Title
ELECTRICAL PLANS

No.	Date	Revision

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STATE OF
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Drawing No.
E102
3 of 3 Sheets