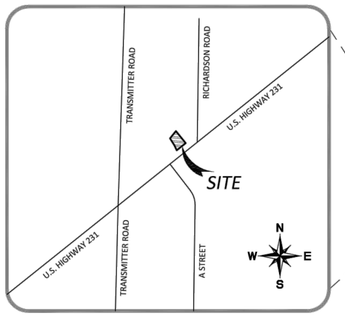
MAP OF ALTA/NSPS LAND TITLE SURVEY

OF

A PARCEL OF LAND LYING WITHIN SECTION 24, TOWNSHIP 3 SOUTH, RANGE 14 WEST, BAY COUNTY, FLORIDA
3717 HIGHWAY 231, PANAMA CITY, FLORIDA 32404
SHEET 1 OF 1



VICINITY MAP

NOT TO SCALE

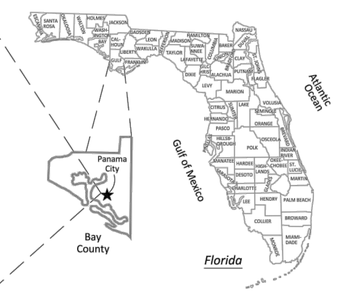


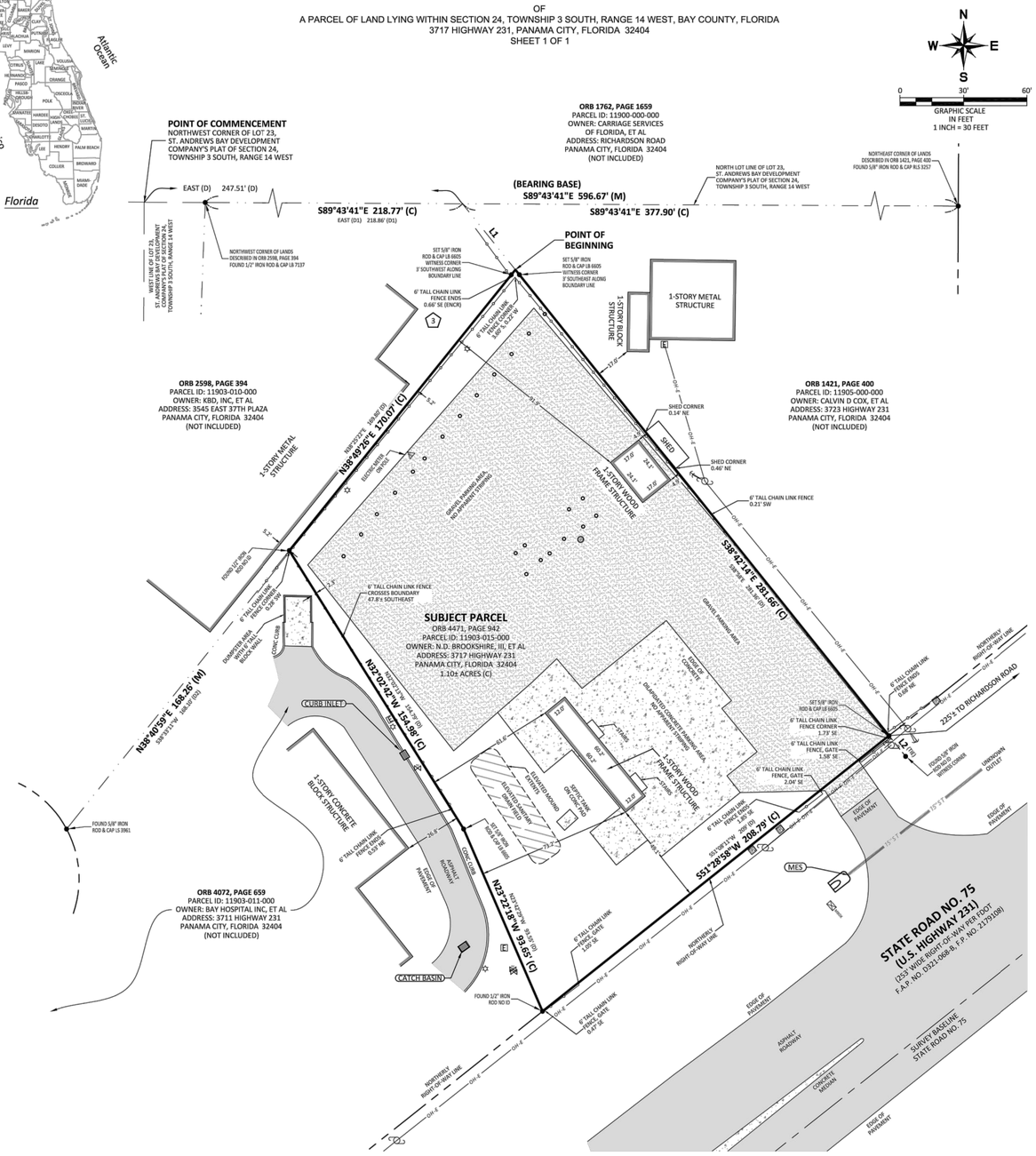
TABLE A:

1. MONUMENTS PLACED (OR A REFERENCE MONUMENT OR WITNESS TO THE CORNER) AT ALL MAJOR CORNERS OF THE BOUNDARY OF THE SURVEYED PROPERTY, UNLESS ALREADY MARKED OR REFERENCED BY EXISTING MONUMENTS OR WITNESSES IN CLOSE PROXIMITY TO THE CORNER. **(SHOWN ON MAP OF SURVEY)**
2. ADDRESS(ES) OF THE SURVEYED PROPERTY IF DISCLOSED IN DOCUMENTS PROVIDED TO OR OBTAINED BY THE SURVEYOR, OR OBSERVED WHILE CONDUCTING THE FIELDWORK. **(SHOWN ON MAP OF SURVEY)**
3. FLOOD ZONE CLASSIFICATION (WITH PROPER ANNOTATION BASED ON FEDERAL FLOOD INSURANCE RATE MAPS OR THE STATE OR LOCAL EQUIVALENT) DEPICTED BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY. **(SEE SURVEYOR'S REPORT NO. 11)**
4. GROSS LAND AREA (AND OTHER AREAS IF SPECIFIED BY THE CLIENT). **(SHOWN ON MAP OF SURVEY)**
6. (a) IF THE CURRENT ZONING CLASSIFICATION, SETBACK REQUIREMENTS, THE HEIGHT AND FLOOR SPACE AREA RESTRICTIONS, AND PARKING REQUIREMENTS SPECIFIC TO THE SURVEYED PROPERTY ARE SET FORTH IN A ZONING REPORT OR LETTER PROVIDED TO THE SURVEYOR BY THE CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE, LIST THE ABOVE ITEMS ON THE PLAT OR MAP AND IDENTIFY THE DATE AND SOURCE OF THE REPORT OR LETTER. **(NO REPORT PROVIDED TO THIS SURVEYOR)**
   (b) IF THE ZONING SETBACK REQUIREMENTS SPECIFIC TO THE SURVEYED PROPERTY ARE SET FORTH IN A ZONING REPORT OR LETTER PROVIDED TO THE SURVEYOR BY THE CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE, AND IF THOSE REQUIREMENTS DO NOT REQUIRE AN INTERPRETATION BY THE SURVEYOR, GRAPHICALLY DEPICT THOSE REQUIREMENTS ON THE PLAT OR MAP AND IDENTIFY THE DATE AND SOURCE OF THE REPORT OR LETTER. **(NO REPORT PROVIDED TO THIS SURVEYOR)**
7. (a) EXTERIOR DIMENSIONS OF ALL BUILDINGS AT GROUND LEVEL. **(SHOWN ON MAP OF SURVEY)**
8. SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK (IN ADDITION TO THE IMPROVEMENTS AND FEATURES REQUIRED PURSUANT TO SECTION 5 ABOVE) (E.G., PARKING LOTS, BILLBOARDS, SIGNS, SWIMMING POOLS, LANDSCAPED AREAS, SUBSTANTIAL AREAS OF REFUSE). **(SHOWN ON MAP OF SURVEY)**
9. NUMBER AND TYPE (E.G., DISABLED, MOTORCYCLE, REGULAR AND OTHER MARKED SPECIALIZED TYPES) OF CLEARLY IDENTIFIABLE PARKING SPACES ON SURFACE PARKING AREAS, LOTS AND IN PARKING STRUCTURES. STRIPING OF CLEARLY IDENTIFIABLE PARKING SPACES ON SURFACE PARKING AREAS AND LOTS. **(NONE FOUND ON THE SUBJECT PARCEL AT THE TIME OF THIS SURVEY)**
11. EVIDENCE OF UNDERGROUND UTILITIES EXISTING ON OR SERVING THE SURVEYED PROPERTY (IN ADDITION TO THE OBSERVED EVIDENCE OF UTILITIES REQUIRED PURSUANT TO SECTION 5.E.IV.) AS DETERMINED BY:
    (A) PLANS AND/OR REPORTS PROVIDED BY CLIENT (WITH REFERENCE AS TO THE SOURCES OF INFORMATION) **(NO REPORT PROVIDED TO THIS SURVEYOR)**
13. NAMES OF ADJOINING OWNERS ACCORDING TO CURRENT TAX RECORDS. IF MORE THAN ONE OWNER, IDENTIFY THE FIRST OWNER'S NAME LISTED IN THE TAX RECORDS FOLLOWED BY "ET AL." **(SHOWN ON MAP OF SURVEY)**
14. AS SPECIFIED BY THE CLIENT, DISTANCE TO THE NEAREST INTERSECTING STREET. **(SHOWN ON MAP OF SURVEY)**
16. EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK. **(NONE OBSERVED BY THIS SURVEYOR)**
17. PROPOSED CHANGES IN STREET RIGHT OF WAY LINES, IF SUCH INFORMATION IS MADE AVAILABLE TO THE SURVEYOR BY THE CONTROLLING JURISDICTION. EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK. **(NONE OBSERVED ALONG SUBJECT PARCEL)**
18. PURSUANT TO SECTIONS 5 AND 6 (AND APPLICABLE SELECTED TABLE A ITEMS, EXCLUDING TABLE A ITEM 1), INCLUDE AS PART OF THE SURVEY ANY PLOTTABLE OFFSITE (I.E., APPURTENANT) EASEMENTS DISCLOSED IN DOCUMENTS PROVIDED TO OR OBTAINED BY THE SURVEYOR. **(NONE FOUND BY NOR PROVIDED TO THIS SURVEYOR)**

SCHEDULE BII EXCEPTIONS:

FIRST AMERICAN TITLE INSURANCE COMPANY, TITLE REPORT FILE NO. NCS-1099633-NAS
DATED NOVEMBER 01, 2021 AT 7:30 AM

1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT. **(NOT A SURVEY MATTER)**
2. ANY RIGHTS, INTERESTS, OR CLAIMS OF PARTIES IN POSSESSION OF THE LAND NOT SHOWN BY THE PUBLIC RECORDS. **(NONE FOUND BY, NOR PROVIDED TO THIS SURVEYOR)**
3. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. **(SHOWN ON MAP OF SURVEY)**
4. ANY LIEN OR RIGHT TO A LIEN FOR SERVICES, LABOR, MATERIAL OR EQUIPMENT, UNLESS SUCH LIEN IS SHOWN BY THE PUBLIC RECORDS AT DATE OF POLICY AND NOT OTHERWISE EXCEPTED FROM COVERAGE HEREIN. **(NOT A SURVEY MATTER)**
5. ANY DISPUTE AS TO THE BOUNDARIES CAUSED BY A CHANGE IN THE LOCATION OF ANY WATER BODY WITHIN OR ADJACENT TO THE LAND PRIOR TO DATE OF POLICY, AND ANY ADVERSE CLAIM TO ALL OR PART OF THE LAND THAT IS, AT DATE OF POLICY, OR WAS PREVIOUSLY UNDER WATER. **(NONE KNOWN BY, NOR PROVIDED TO THIS SURVEYOR)**
6. TAXES OR SPECIAL ASSESSMENTS NOT SHOWN AS LIENS IN THE PUBLIC RECORDS OR IN THE RECORDS OF THE LOCAL TAX COLLECTING AUTHORITY, AT DATE OF POLICY. **(NOT A SURVEY MATTER)**
7. ANY MINERALS OR MINERAL RIGHTS LEASED, GRANTED OR RETAINED BY CURRENT OR PRIOR OWNERS. **(NOT A SURVEY MATTER)**
8. TAXES AND ASSESSMENTS FOR THE YEAR 2021, WHICH ARE DUE AND PAYABLE, BUT ARE NOT YET DELINQUENT. **(NOT A SURVEY MATTER)**
9. TERMS AND CONDITIONS OF ANY EXISTING UNRECORDED LEASE(S), AND ALL RIGHTS OF LESSEE(S) AND ANY PARTIES CLAIMING THROUGH THE LESSEE(S) UNDER THE LEASE(S). **(NOT A SURVEY MATTER)**
10. MATTERS SHOWN ON THE PLAT OF THE ST. ANDREWS BAY DEVELOPMENT COMPANY'S, RECORDED IN PLAT BOOK 6, PAGE 16. **(SHOWN ON MAP OF SURVEY)**
11. EASEMENT GRANTED TO GULF POWER COMPANY BY INSTRUMENT RECORDED IN BOOK 1220, PAGE 592 OF OFFICIAL RECORDS. **(BLANKET IN NATURE, NO PLOTTABLE EASEMENTS TO SHOW)**
12. THE TERMS, PROVISIONS, AND CONDITIONS CONTAINED IN THAT CERTAIN ORDINANCE NO. 278, BY THE PEOPLE OF THE TOWN OF CEDAR GROVE, BAY COUNTY, FLORIDA, RECORDED IN BOOK 1812, PAGE 2071 OF OFFICIAL RECORDS. **(NOT A SURVEY MATTER, ANNEXATION DOCUMENT)**



LINE TABLE		
LINE #	DIRECTION	LENGTH
L1(C)	**S38°42'14"E**	**39.90'**
L1(D)	S38°58'E	40'
L2(C)	**S38°42'14"E**	**12.55'**

LEGAL DESCRIPTION: (PER FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT REPORT, FILE NO.: NCS-1099633-NAS)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF BAY, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF LOT 23 OF ST. ANDREWS BAY DEVELOPMENT COMPANY'S PLAT OF SECTION 24, TOWNSHIP 3 SOUTH, RANGE 14 WEST; THENCE EAST ALONG THE NORTH LINE OF SAID LOT 23 FOR 247.51 FEET; THENCE SOUTH 38°58' EAST FOR 40 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID BEARING 281.36 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF U.S. 231; THENCE SOUTH 51°08'11" WEST ALONG SAID RIGHT OF WAY LINE FOR 209 FEET; THENCE NORTH 23°42'29" WEST FOR 93.55 FEET; THENCE NORTH 32°02'13" WEST FOR 154.79 FEET; THENCE NORTH 38°25'22" EAST FOR 169.80 FEET TO THE POINT OF BEGINNING, BAY COUNTY, FLORIDA.

SURVEYOR'S REPORT:

1. DEED BEARINGS AND DISTANCES SHOWN HEREON ARE RELATIVE TO THE LEGAL DESCRIPTION AS PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY.
2. FIELD BEARINGS AND DISTANCES ARE BASED ON STATE PLANE GRID. THE BEARING BASE IS THE MEASURED NORTH LOT LINE OF LOT 23, ST. ANDREWS BAY DEVELOPMENT COMPANY'S PLAT OF SECTION 24, TOWNSHIP 3 SOUTH, RANGE 14 WEST (BEARING BASE: S89°43'41"E).
3. THIS IS A BOUNDARY SURVEY, AS DEFINED IN CHAPTER 5J-17.050(11) OF THE FLORIDA ADMINISTRATIVE CODE (FAC). MORE SPECIFICALLY THE PURPOSE OF THIS SURVEY IS TO CONVEY AN ALTA/NSPS SURVEY OF THE PARCEL BOUNDARY, AND LOCATE ITS IMPROVEMENTS. THE REQUIREMENTS FOR AN ALTA/NSPS SURVEY ARE DEFINED IN THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS" (EFFECTIVE FEBRUARY 23, 2021).
4. THE ACCURACY STANDARD USED FOR THE HORIZONTAL CONTROL FOR THIS SURVEY, AS CLASSIFIED IN THE STANDARDS OF PRACTICE (5J-17.051 FAC) IS "COMMERCIAL". THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET, THE ACCURACY OBTAINED EXCEEDS THIS REQUIREMENT.
5. THE HORIZONTAL CONTROL NETWORK WAS COMPLETED UTILIZING A TRIMBLE R10 INTEGRATED GNSS RECEIVER. THE CONTROL FOR THIS SURVEY IS BASED ON REDUNDANT RTK (REAL TIME KINEMATICS) OBSERVATIONS BASED ON FPRN (FLORIDA PERMANENT REFERENCE NETWORK).
   5.1. THE REDUNDANT RTK (REAL TIME KINEMATICS) OBSERVATIONS WERE PERFORMED TO ESTABLISH THE PRIMARY NETWORK CONTROL. THE OBSERVATIONS WERE PERFORMED ON JANUARY 20, 2022.
   5.2. A FIELD TRAVERSE WAS USED TO ESTABLISH INTERMITTENT CONTROL BETWEEN THE GPS POINTS.
   5.3. HORIZONTAL CONTROL IS BASED ON FLORIDA STATE PLANE COORDINATE NORTH (903) NAD (NORTH AMERICAN DATUM) 1983/2011ADJ.
6. ALL DISTANCES WERE MEASURED WITH E.D.M. EQUIPMENT AND HAVE BEEN ADJUSTED FOR TEMPERATURE.
7. PROPERTY LINES SHOWN HEREON WERE COMPUTED FROM THE EXISTING PUBLIC RECORDS OF BAY COUNTY, FLORIDA AND ARE BASED ON FOUND MONUMENTATION. MONUMENT SYMBOLS SHOWN HEREON ARE NOT TO SCALE.
8. SURVEYOR'S LIABILITY FOR THE DOCUMENT SHALL BE LIMITED TO THE ORIGINAL PURCHASER AND DOES NOT EXTEND TO ANY UNNAMED PERSON OR ENTITIES WITHOUT AN EXPRESSED RE-CERTIFICATION BY WHOSE SIGNATURE APPEARS UPON THE SURVEY.
9. NO UNDERGROUND UTILITIES, FOUNDATIONS OR IMPROVEMENTS, IF ANY, HAVE BEEN LOCATED EXCEPT AS SHOWN. NO S.U.E. (SUBSURFACE UTILITY EXPLORATION) OR G.P.R. (GROUND PENETRATING RADAR) WERE UTILIZED DURING THIS SURVEY.
10. ABOVE GROUND UTILITIES SHOWN WERE LOCATED BY FIELD OBSERVATIONS. UTILITIES SYMBOLS ARE NOT TO SCALE.
11. THIS PROPERTY LIES WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) OF THE CURRENT FEMA FLOOD RATE MAPS AND IS REFLECTED ON THE SURVEY. THE MAP IDENTIFICATION IS MAP NUMBER 12005C0353H WITH AN EFFECTIVE DATE OF 6/2/2009.
12. PRIOR TO ANY CONSTRUCTION, EXCAVATION OR ANY DISTURBANCE OF THE EXISTING GROUND ELEVATION, THE OWNER AND / OR CONTRACTOR SHOULD ASSUME RESPONSIBILITY OF CONTACTING THE LOCAL UTILITY AUTHORITIES FOR EXACT LOCATION OF UNDERGROUND GAS LINES, TELEPHONE LINES, ELECTRIC CABLES, WATER LINES, ETC. TO AVOID ANY HAZARD OR CONFLICT.
13. THIS SURVEY DOES NOT INCLUDE THE LOCATION OF ANY POSSIBLE WETLAND OR JURISDICTIONAL BOUNDARIES NOR ENDANGERED SPECIES HABITATS.
14. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
15. MEASUREMENT SHOWN HEREON ARE IN U.S. SURVEY FOOT AND DECIMALS THEREOF.
16. OWNERSHIP OF FENCES IS UNKNOWN TO THIS SURVEYOR. SEE POTENTIAL ENCROACHMENT AT THE NORTHERNMOST CORNER OF THE SUBJECT PARCEL.

ABBREVIATIONS LEGEND:

ADJ	ADJUSTED	GPS	GLOBAL POSITIONING SYSTEM
ALTA	AMERICAN LAND TITLE ASSOCIATION	ID	IDENTIFICATION
(C)	CALCULATED DATA	LB	LICENSED BUSINESS
COA	CERTIFICATE OF AUTHORIZATION	LS	LICENSED SURVEYOR
CONC	CONCRETE	(M)	MEASURED DATA
(D)	TITLE DESCRIPTION DATA	MES	MITERED END SECTION
(D1)	DEED DATA (ORB 2598, PAGE 394)	NAD	NORTH AMERICAN DATUM
(D2)	DEED DATA (ORB 4072, PAGE 659)	NO.	NUMBER
E.D.M.	ELECTRONIC DISTANCE MEASUREMENT	NSPS	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
ENCR	ENCROACHMENT	ORB	OFFICIAL RECORDS BOOK
FAC	FLORIDA ADMINISTRATIVE CODE	RLS	REGISTERED LAND SURVEYOR
F.A.P.	FEDERAL AID PROJECT	RTK	REAL TIME KINEMATICS
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	R/W	RIGHT-OF-WAY
F.P.	FEDERAL PROJECT	SEC	SECTION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	S.U.E.	SUBSURFACE UTILITY EXPLORATION
G.P.R.	GROUND PENETRATING RADAR	U.S.	UNITED STATES

SYMBOLS LEGEND:

- GUY WIRE ANCHOR
- LIGHT POLE
- WOOD UTILITY POLE
- IRRIGATION CONTROL VALVE
- MBOX MAILBOX
- BOLLARD
- MITERED END SECTION
- CHAIN LINK FENCE
- ST UNDERGROUND STORM DRAIN PIPE
- OH-E OVERHEAD UTILITY LINE
- E ELECTRIC RISER
- E ELECTRIC METER
- TP TELEPHONE PEDESTAL
- CATCH BASIN
- W WELL (4")
- 1 SCHEDULE BII ITEM
- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- DRAIN FIELD AREA

PROJECT INFORMATION:

FIELD DATE: 1/19/2022
PARTY CHIEF: WM
DRAWN BY: JTP
CHECKED BY: JJC
APPROVED BY: MWH
JOB NUMBER: 21-0456.000
DRAWING: 21-0456.000 Lynn Haven ALTA.dwg
DRAWING DATE: 1/21/2022

SURVEYOR'S CERTIFICATE:

TO: KTJZ PARTNERS IV, LLC, A FLORIDA LIMITED LIABILITY COMPANY
FIRST AMERICAN TITLE INSURANCE COMPANY
BAY HOSPITAL, INC., A FLORIDA CORPORATION

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES TABLE A ITEMS 1, 2, 3, 4, 6(a), 6(b), 7(a), 8, 9, 11(a), 13, 14, 16, 17, & 18.

THE FIELD WORK WAS COMPLETED ON 1-19-2022 (SURVEY DATE)

DATE OF MAP 1-21-2022

Digitally signed by Mitchel W Hill
DN: c=US, cn=Mitchel W Hill, dnQualifier=A01410D000001700DFBAF4700002766, o=Florida, ou=LB
Date: 2022.02.10 08:44:23-05'00'

MITCHEL W. HILL
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA LICENSE NUMBER LS7374

NOT VALID WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER. PDF FORMAT COPIES DIGITALLY SIGNED BY THE LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER USING A THIRD PARTY DIGITAL SIGNATURE SERVICE ARE ACCEPTABLE. PAPER COPIES WITHOUT ORIGINAL SIGNATURE AND SEAL ARE NOT VALID.

KPMFranklin
ENGINEERS • PLANNERS • SURVEYORS
1012 EMMETT STREET, SUITE A
KISSIMMEE, FL 34741
PHONE (407) 846-1216
COA 32059 LB 6605

REV NO.	DATE
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

MAP OF ALTA/NSPS LAND TITLE SURVEY

3717 HIGHWAY 231
PANAMA CITY, FLORIDA 32404

CAUTION
0 1/2 1
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE

EXISTING CONDITIONS

C1.1

JOB NO:	21-0456.000
DESIGN:	
DRAWN:	JTP
APPROVED:	MWH
SHEET NO:	1 OF 1
REV:	

S:__PROJECT SURVEY PROJECTS\2022\21-0456.000 LYNN HAVEN ADDITIONAL PROPERTY - ALTA SURVEY\DWG (SURVEY)\21-0456.000 LYNN HAVEN ALTA.DWG - 2/10/2022 8:41 AM

PROJECT NOTES

1. SITE EXISTING CONDITIONS ARE TAKEN FROM SURVEY BY KPM FRANKLIN, INC. DATED MAY 16, 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

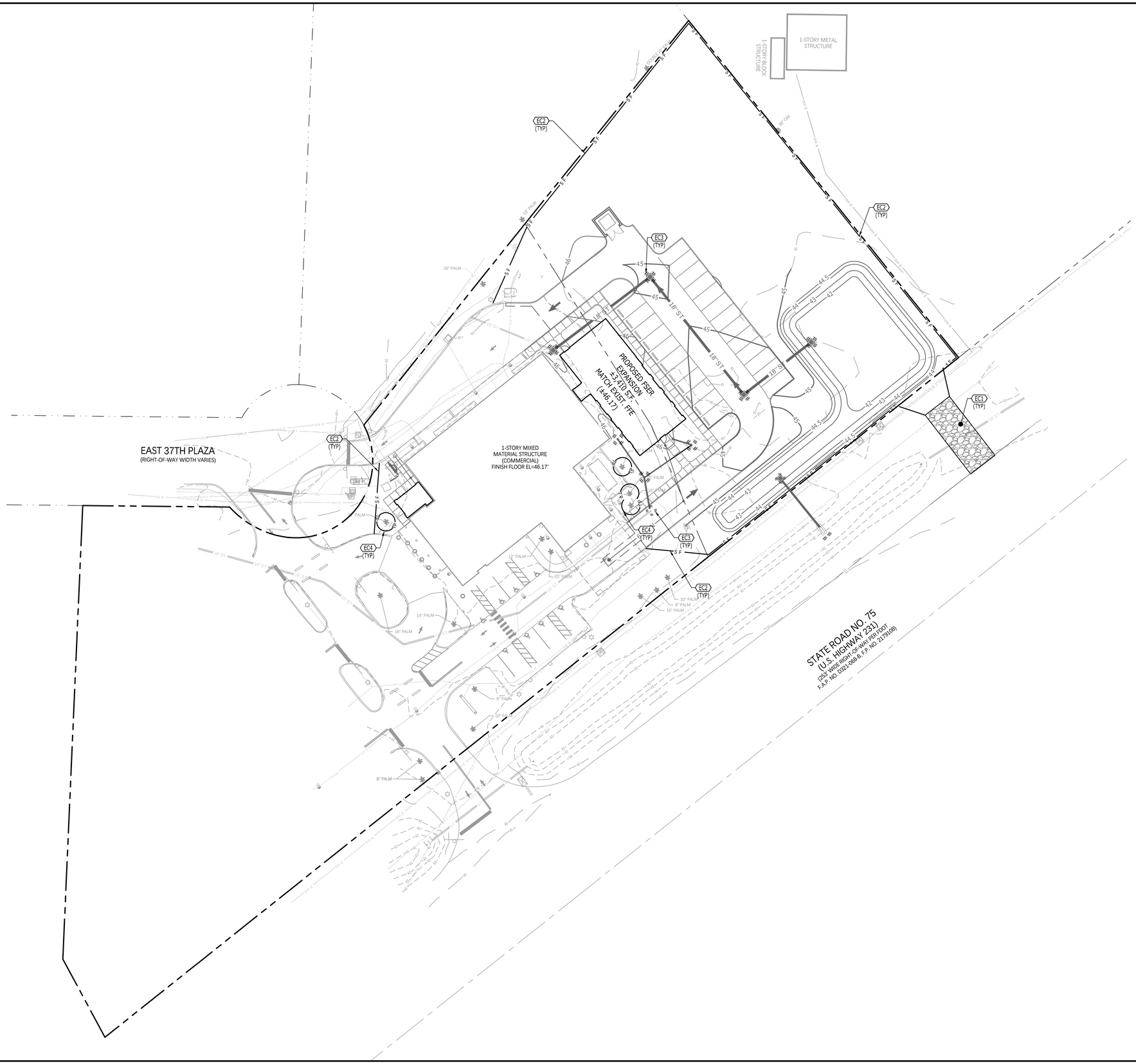
1. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED SURVEYOR IN THE STATE OF FLORIDA TO PROVIDE AS-BUILT SURVEY DATA FOR UTILITIES AND STORMWATER MANAGEMENT INFRASTRUCTURE. A THIRD-PARTY DIGITALLY SIGNED AND SEALED PDF COPY OF THE AS-BUILT DRAWINGS AND AS-BUILT CAD FILE (OF AUTOCAD 2004 OR NEWER) 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 LINES. CONTRAC



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
EC4	TREE PROTECTION	2 / C3.1

LEGEND	
SILT FENCE	SF
TREE PROTECTION	T P
INLET PROTECTION	
CONSTRUCTION ENTRANCE	

NOTES

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

N

Know what's below.
Call before you dig.

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GRAPHIC SCALE

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CLIENT #3092800026

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STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

IAN BRICE ANDERSON
LICENSE
No. 87145
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
6/9/2025

DATES OF ISSUANCE
06-09-2025 △

TITLE
EROSION CONTROL PLAN

SHEET
C3.0

\\EgnyteDrive\Catalyst Projects\2024\202400065_gulf coast er exp\dwg\construction\202400065_C3-0_ERO.dwg-C3.0 Erosion Control Plan Jun 27, 2025 ianderson
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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.

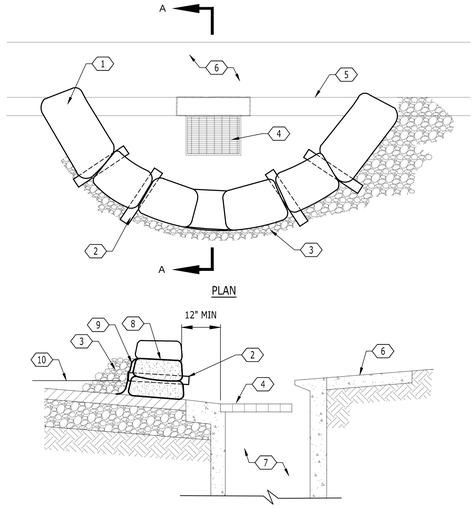
   "I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND STORMWATER POLLUTION PREVENTION PLAN THEREUNDER PREPARED FOR THE PROJECT"

   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:

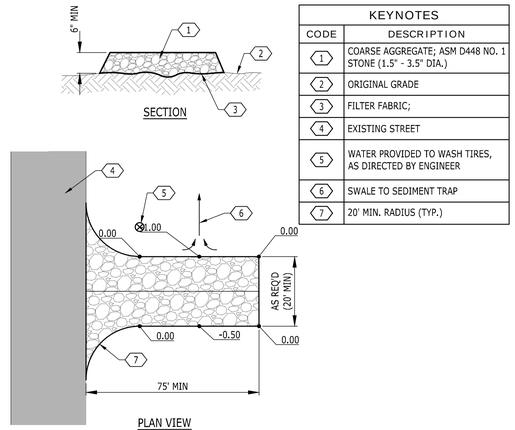
1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE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



SECTION A-A

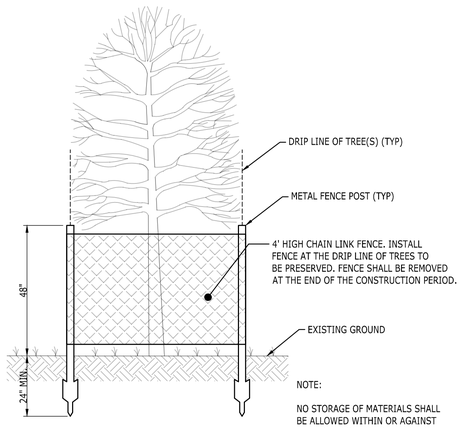
4 SAND BAG CURB INLET PROTECTION



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.)

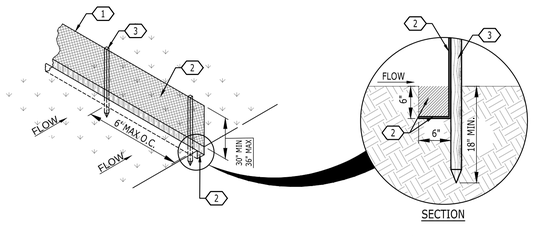
1 TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

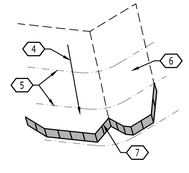


2 TREE PROTECTION

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 # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

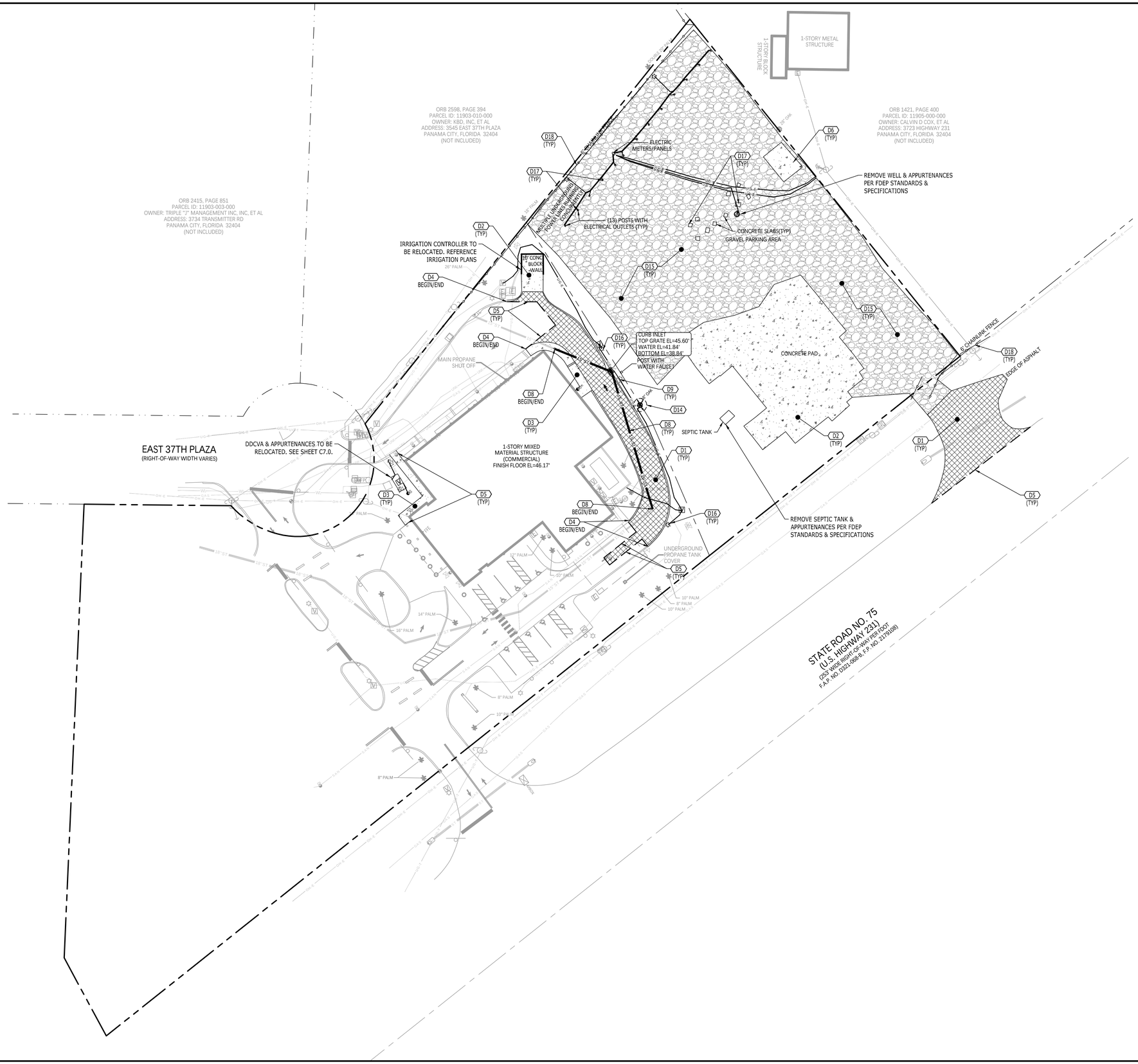
AHCA #3093000034

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/9/2025

DATES OF ISSUANCE
06-09-2025 △

TITLE: EROSION CONTROL DETAILS

SHEET: C3.1



DEMOLITION KEYNOTES

CODE	DESCRIPTION
D1	REMOVE EXISTING ASPHALT PAVEMENT
D2	REMOVE EXISTING CONCRETE PAVEMENT
D3	REMOVE EXISTING CONCRETE SIDEWALK
D4	REMOVE EXISTING CONCRETE CURB
D5	EVENLY SAWCUT
D6	REMOVE EXISTING BUILDING/STRUCTURE
D7	REMOVE EXISTING DRAINAGE STRUCTURE
D8	REMOVE EXISTING STORM LINE
D9	REMOVE EXISTING WATERLINE & APPURTENANCES
D10	REMOVE EXISTING SANITARY SEWER LINE
D11	REMOVE EXISTING UTILITY LINE & APPURTENANCES
D12	EXISTING UTILITY LINE TO BE ABANDONED IN PLACE
D13	EXISTING HYDRANT TO BE RELOCATED
D14	REMOVE EXISTING TREE
D15	REMOVE EXISTING GRAVEL
D16	REMOVE EXISTING LIGHT POLE
D17	REMOVE EXISTING BOLLARDS
D18	REMOVE EXISTING FENCE

LEGEND

BUILDING TO BE REMOVED	
CONCRETE TO REMOVE	
ASPHALT PAVEMENT TO REMOVE	
GRAVEL TO REMOVE	
TREES TO BE REMOVED	X
SILT FENCE	SF
TREE PROTECTION	TP

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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6/12/2025

DATES OF ISSUANCE
06-09-2025

TITLE: DEMOLITION PLAN

SHEET: C4.0

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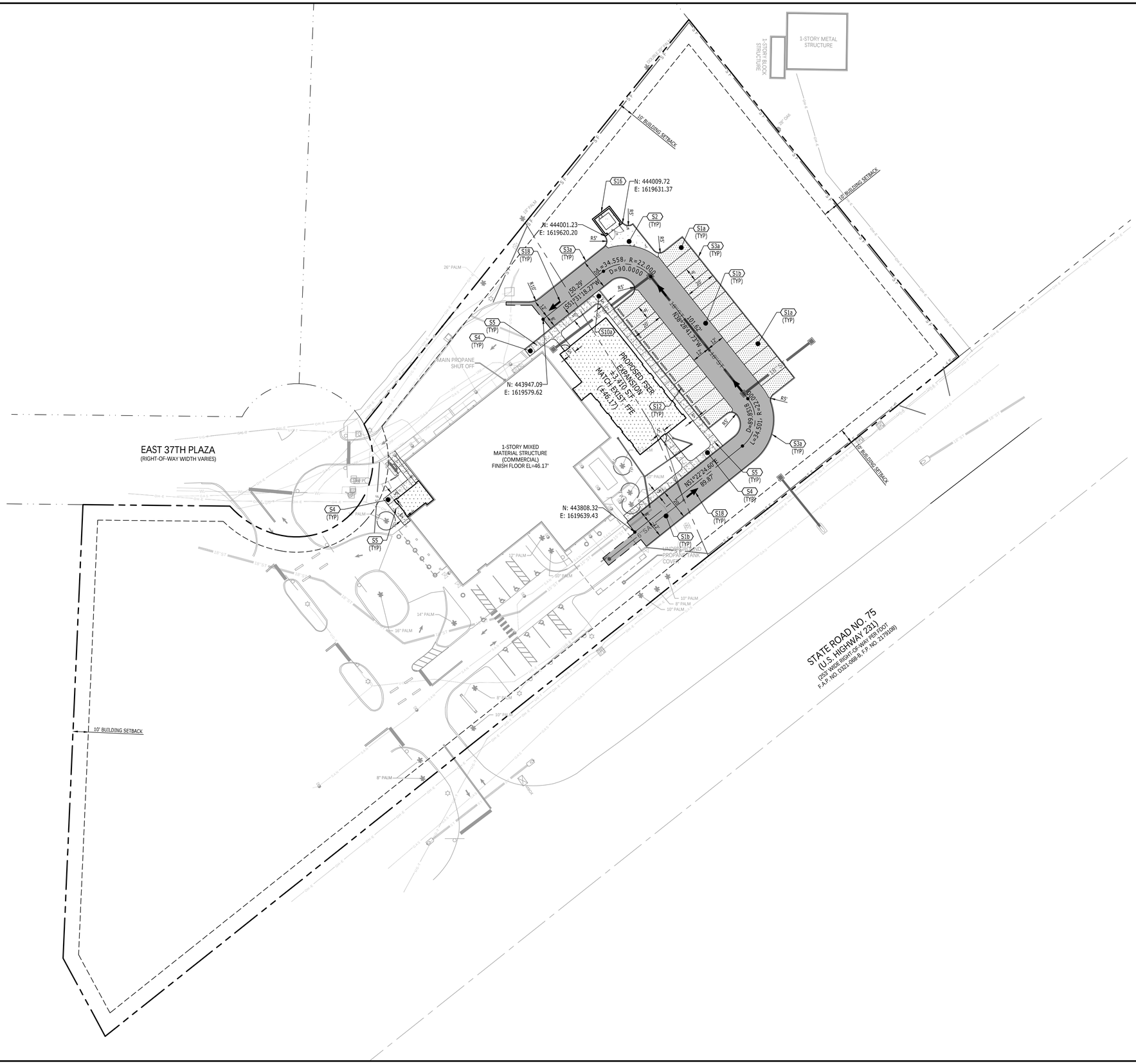

SITE LAYOUT KEYNOTES

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
S10a	SIDEWALK TRANSITION	10 / C8.0
S12	CONCRETE WHEELSTOP	11 / C8.0
S16	DUMPSTER ENCLOSURE	SEE ARCH. PLANS
S18	DIRECTIONAL ARROWS	4 / C8.0

LEGEND

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

NOTES

1. SEE SHEET C2.0 FOR GENERAL NOTES.

N

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PROJECT # 225004.00
CLIENT #3092800026

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HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

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6/5/2025

DATES OF ISSUANCE
06-09-2025

TITLE: SITE LAYOUT PLAN

SHEET: C5.0

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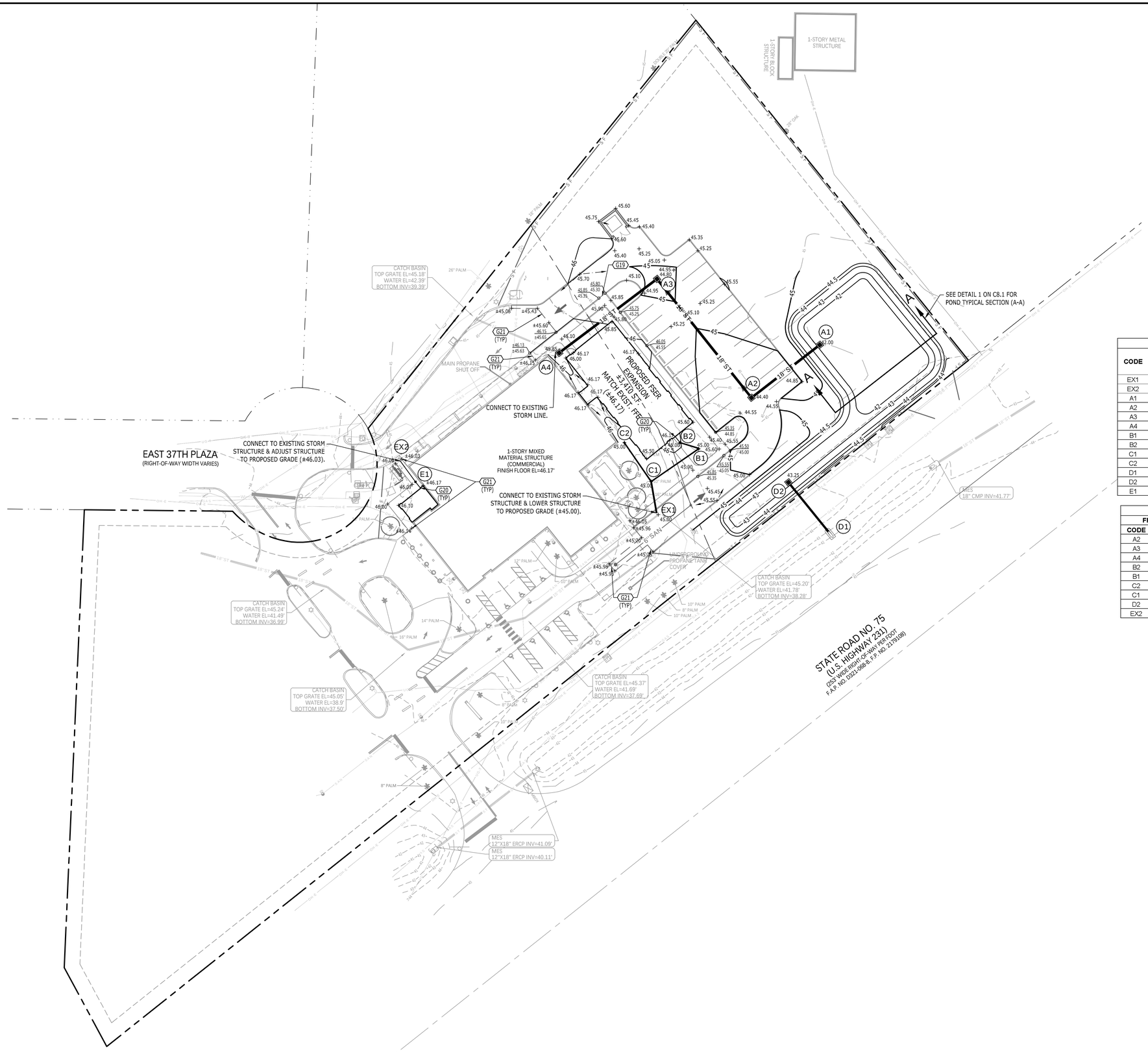

GRADING & DRAINAGE KEYNOTES

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
TREE PROTECTION	T P

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 DESCRIPTION	STRUCTURE DETAIL	DEPTH	ELEVATION TOP OF GRATE	ELEVATION INVERT
EX1	EXISTING STRUCTURE	--	6.72	45.00	38.28
EX2	EXISTING STRUCTURE	--	7.86	46.03	38.17
A1	BUBBLE UP STRUCTURE	6 / C8.1	5.20	42.00	36.80
A2	TYPE F CATCH BASIN	FDOT INDEX 425-053	7.07	44.40	37.33
A3	TYPE F CATCH BASIN	FDOT INDEX 425-054	6.50	44.80	38.30
A4	TYPE F CATCH BASIN	FDOT INDEX 425-055	6.78	45.85	39.07
B1	NDS DRAIN INLET	7 / C8.0	4.99	45.00	40.01
B2	BUILDING CONNECTION	4 / C8.1	5.47	46.00	40.53
C1	NDS DRAIN INLET	7 / C8.0	6.51	45.00	38.49
C2	NDS DRAIN INLET	7 / C8.0	5.31	45.00	39.69
D1	MITERED END SECTION	FDOT INDEX 430-021	--	--	41.50
D2	OUTLET STRUCTURE	2 / C8.1	1.25	43.25	42.00
E1	BUILDING CONNECTION	4 / C8.1	5.43	46.10	40.67

PROPOSED STORM SEWER PIPE

FROM CODE	FROM INV.	TO CODE	TO INV.	GRADE	DIAMETER (IN)	TYPE	LENGTH (L.F.)
A2	37.33	A1	36.80	1.00%	18	ADS HP STORM	53
A3	38.30	A2	37.33	1.00%	18	ADS HP STORM	97
A4	39.07	A3	38.30	1.00%	18	ADS HP STORM	77
B2	40.53	B1	40.01	4.00%	8	PVC	13
B1	40.01	C1	38.49	4.00%	8	PVC	38
C2	39.69	C1	38.49	4.00%	8	PVC	30
C1	38.49	EX1	38.28	1.00%	12	PVC	21
D2	42.00	D1	41.50	1.22%	15	ADS HP STORM	41
EX2	38.17	E1	40.67	14.71%	6	PVC	17

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CLIENT #3092800026

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HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/9/2025

DATES OF ISSUANCE
06-09-2025 △

TITLE
GRADING & DRAINAGE PLAN

SHEET
C6.0

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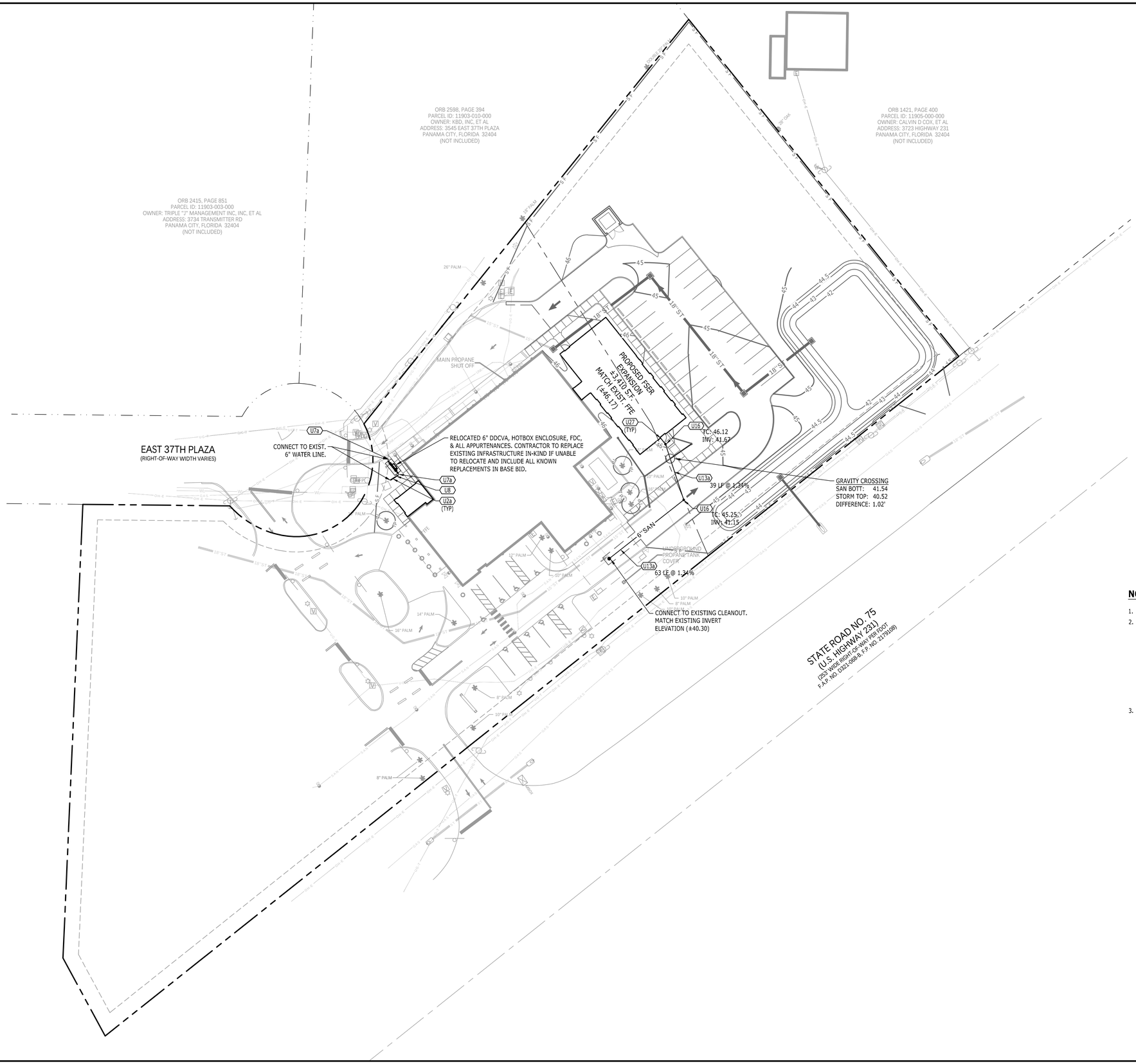

UTILITY KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
U2a	6" PVC FIRE LINE	G-8, 16, 18 / C9.0
U7a	90 DEG. BEND (SEE LINE FOR SIZE)	G-16, 18 / C9.0
U8	POST INDICATOR VALVE	9 / C8.0
U13a	6" PVC SANITARY SEWER LINE	G-8 / C9.0
U16	SANITARY SEWER CLEANOUT	8 / C8.0
U25	SITE LIGHTING	SEE MEP PLANS
U27	BUILDING CONNECTION	SEE MEP PLANS

LEGEND

DOMESTIC WATER SERVICE	W
FIRE SERVICE	F — F
GAS LINE	GAS
RESTRAINED BEND	
CLEANOUT ON SANITARY SEWER LINE	
FIRE HYDRANT ASSEMBLY	
VALVE	
UNDERGROUND ELECTRIC	UG-E
SILT FENCE	SF
TREE PROTECTION	TP

NOTES:

1. SEE SHEET C2.0 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.
3. CONTRACTOR SHALL ENSURE THAT FIRE PROTECTION IS PROVIDED AT ALL TIMES WHEN THE DDCVA & APPURTENANCES ARE BEING RELOCATED.

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STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/13/25

DATES OF ISSUANCE
06-09-2025 △

TITLE: UTILITY PLAN

SHEET: C7.0

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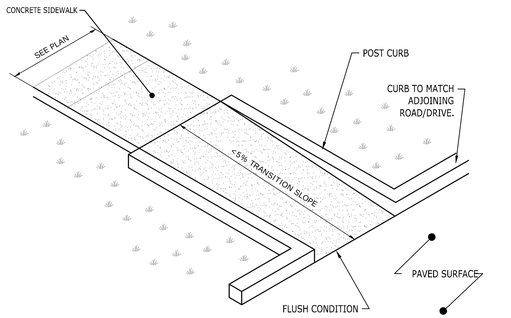
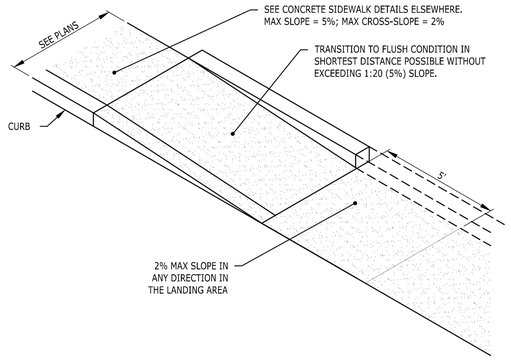
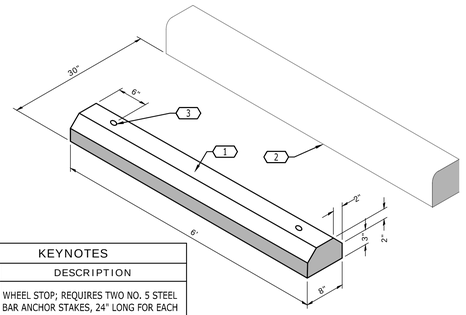




10 SIDEWALK TRANSITION
NOT TO SCALE



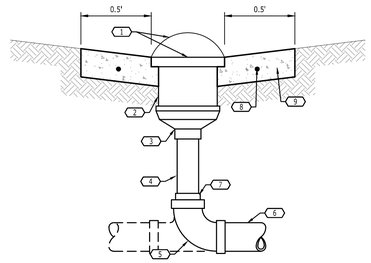
KEYNOTES	
CODE	DESCRIPTION
1	WHEEL STOP; REQUIRES TWO NO. 5 STEEL BAR ANCHOR STAKES, 24" LONG FOR EACH SECTION; EACH SECTION REINFORCED WITH TWO NO. 3 DEFORMED BARS. PAINT BLUE IN ADA PARKING AREAS.
2	FACE OF CURB OR EDGE OF PAVEMENT
3	1" DIA. HOLE (TYP.)

NOTE:
1. PAINT WHEELSTOPS BLUE IN ADA AREAS.

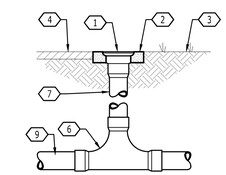
11 PRECAST CONCRETE WHEEL STOP
NOT TO SCALE

12 RESERVED
NOT TO SCALE

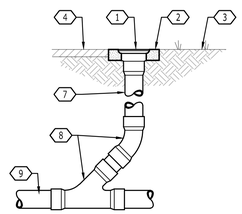
KEYNOTES	
CODE	DESCRIPTION
1	NDS 1211 GRATE (FOR TURF APPLICATIONS) OR NDS 1281 GRATE (FOR MULCH APPLICATIONS)
2	NDS 1216 RISER BOX
3	NDS 1230 HUB ADAPTOR
4	6" PVC, LENGTH AS REQ'D
5	8" PVC ELL OR TEE
6	8" PVC STORM PIPE
7	8" X 6" PVC REDUCER. MAY BE OMITTED IF REDUCING TEE IS USED.
8	No. 4 BAR, CONT.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



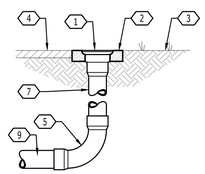
7 12" NDS DRAIN INLET
NOT TO SCALE



TWO-WAY



ONE-WAY

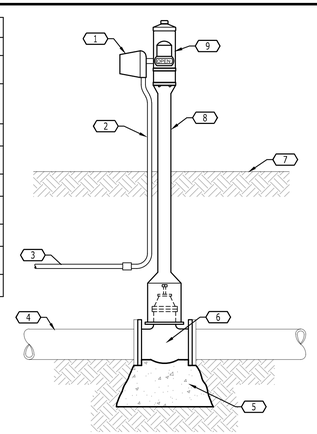


END-OF-LINE

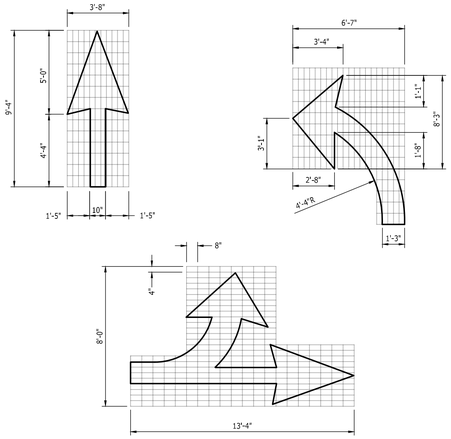
KEYNOTES	
CODE	DESCRIPTION
1	CLEANOUT WITH COVER; BRONZE OR PVC CLEANOUT WITH RECESSED CAP IN LAWN AREAS. CAST IRON CLEANOUT WITH RECESSED CAP IN PAVEMENT AREAS. BRONZE CAP TO BE USED IN SIDEWALKS.
2	18"x18"x4" CONCRETE COLLAR
3	FINISHED GRADE
4	ASPHALT
5	LONG SWEEP 1/4 BEND. INSTALL REDUCER WHERE REQUIRED.
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.

8 CLEANOUTS
NOT TO SCALE

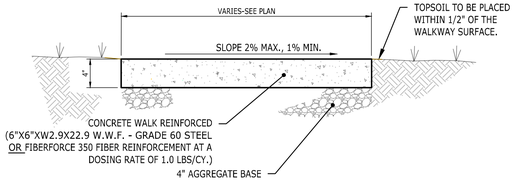
KEYNOTES	
CODE	DESCRIPTION
1	WEATHERPROOF, TAMPER-PROOF SENSOR HOUSING
2	RIGID CONDUIT ABOVE GRADE. SIZE PER SWITCH MANUFACTURER'S RECOMMENDATIONS.
3	PVC CONDUIT ALLOWED BELOW GRADE
4	FIRE MAIN. SEE PLANS FOR PIPE SIZE AND LOCATION.
5	CONCRETE THRUST BLOCK
6	VALVE. SEE SPECIFICATIONS FOR SIZE AND TYPE.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



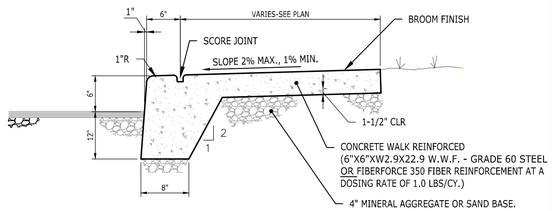
9 POST INDICATOR VALVE
NOT TO SCALE



4 PAINTED DIRECTIONAL ARROWS
NOT TO SCALE



CONCRETE SIDEWALK IN TURF AREA



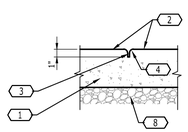
CONCRETE SIDEWALK AT TURN-DOWN CURB

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

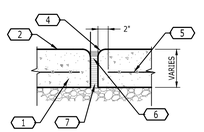
USE 3500 PSI CONCRETE; PROVIDE CONTROL JOINTS @ 5' CENTERS PROVIDE EXPANSION JOINTS @ 25' CENTERS AND WHERE SIDEWALKS ABUT RIGID MATERIAL

5 CONCRETE SIDEWALK
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE SIDEWALK
2	BROOM FINISH
3	¼" HAND-GROOVED JOINT
4	TOOLED EDGE; ¼" RADIUS (TYP.)
5	CONCRETE REINFORCEMENT; 6"x6"xW2.9x22.9 W.W.F.; GRADE 60 STEEL
6	POLYURETHANE SELANT
7	½" PREMOLDED EXPANSION JOINT MATERIAL
8	MINERAL AGGREGATE BASE (TYP.)



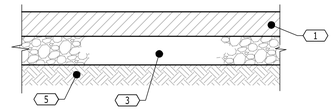
CONTROL JOINT



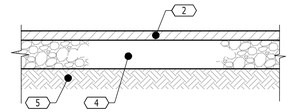
EXPANSION JOINT

6 SIDEWALK JOINTS
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	2" 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 WITH A MINIMUM LBR OF 40 COMPACTED TO AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR (ASTM D1557)



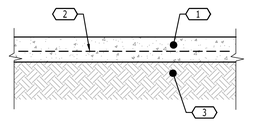
HEAVY DUTY PAVEMENT



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 S&ME, INC. (5271-17-134) FOR ADDITIONAL INFORMATION ON ASPHALT PAVEMENT SECTIONS.

1 ASPHALT PAVEMENT
NOT TO SCALE



KEYNOTES	
CODE	DESCRIPTION
1	6" CONCRETE PAVEMENT (4000 PSI)
2	6"x6", W2.9xW2.9 W.W.F.; ASTM GRADE 60 STEEL
3	12" (MINIMUM) COMPACTED SUBGRADE WITH MINIMUM LBR OF 20 COMPACTED TO A MINIMUM DENSITY OF 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY

NOTE:
1. REFER TO GEOTECHNICAL REPORT FROM S&ME, INC. (5271-17-134) FOR ADDITIONAL INFORMATION ON CONCRETE PAVEMENT SECTIONS.

2 CONCRETE PAVEMENT
NOT TO SCALE

3 RESERVED
NOT TO SCALE

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(689) 219-8900 | WWW.CATALYST-DG.COM
Ian Brice Anderson, PE 87145
Siu Jun Wong, PLA LA 6667315
Florida Firm Registration No. 33093

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F · 615 · 244 · 6697
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PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

IAN BRICE ANDERSON LICENSE No. 87145 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/12/2025

DATES OF ISSUANCE
06-09-2025 △

TITLE: DETAILS

SHEET: C8.0

\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_C8-0_DET.dwg-C8.1 Details Jun 27, 2025 landerson
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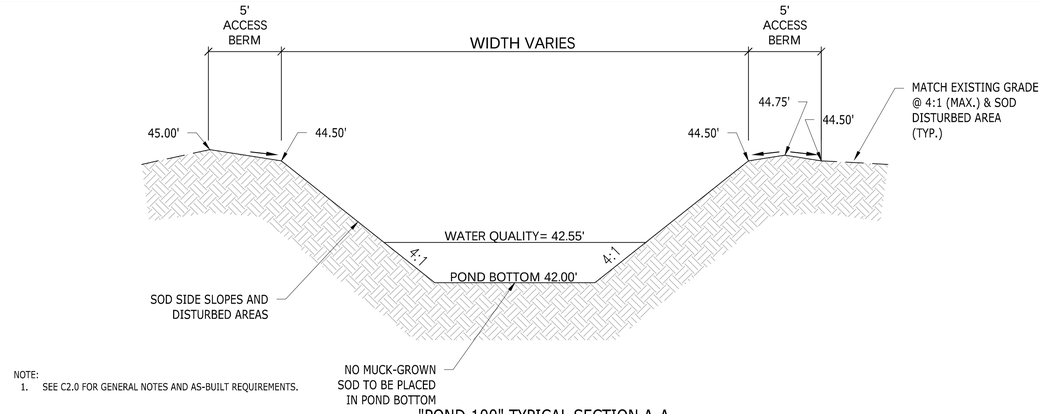
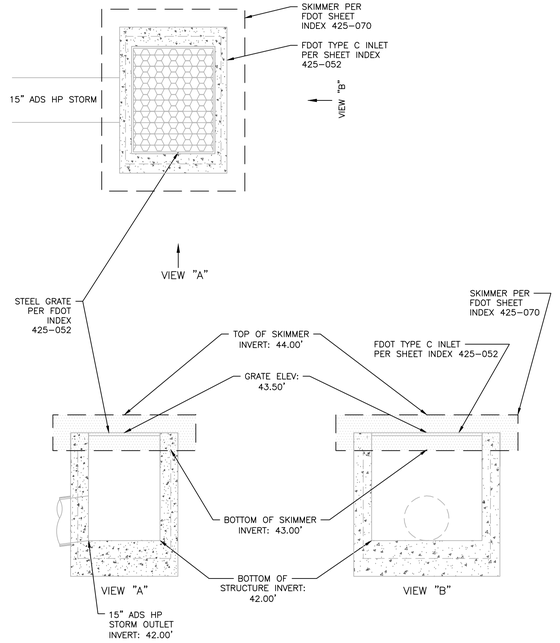
7 RESERVED
NOT TO SCALE

4 RESERVED
NOT TO SCALE



NOTE:
1. SEE C2.0 FOR GENERAL NOTES AND AS-BUILT REQUIREMENTS.

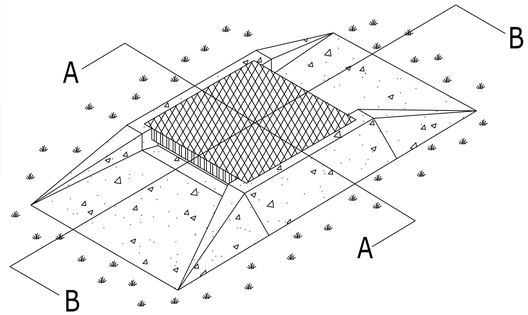
1 "POND 100" TYPICAL SECTION A-A
NOT TO SCALE



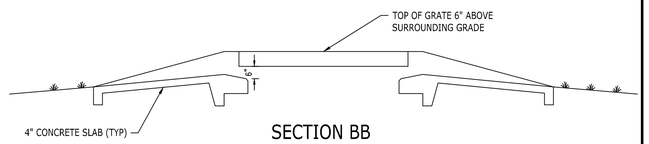
2 "POND 100" OUTLET STRUCTURE D2
NOT TO SCALE

8 RESERVED
NOT TO SCALE

5 RESERVED
NOT TO SCALE

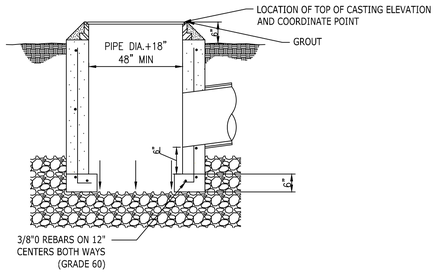


SECTION AA



SECTION BB

9 RESERVED
NOT TO SCALE



*PROVIDE REDUCER RING AS NECESSARY TO ACCOMMODATE PROPOSED CASTING. ADJUST STRUCTURE DIMENSIONS AS NECESSARY TO RECEIVE STORM PIPE ON SKEWS.

**GRATE IS A MODIFIED INLET TYPE B. SEE FDOT INDEX 425-051 FOR MORE INFORMATION AS APPLICABLE.

6 BUBBLE-UP OUTFALL BASIN
NOT TO SCALE

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PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
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HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

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6/12/2025

DATES OF ISSUANCE
06-09-2025

TITLE: DETAILS

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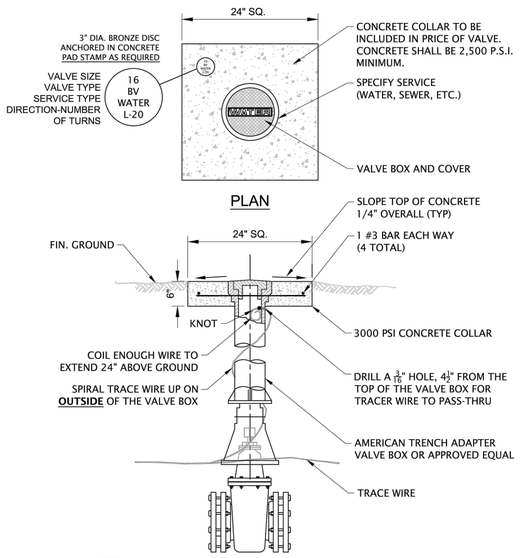


NOTES:
1. SEE SPECIFICATIONS FOR TECHNICAL REQUIREMENTS AND APPROVED GATE VALVES AND VALVE BOXES.
2. PVC OR DUCTILE IRON SHALL BE USED FOR VALVE BOX EXTENSIONS.
3. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 2 FOOT DEPTH BELOW FINISHED GRADE.

SECTION

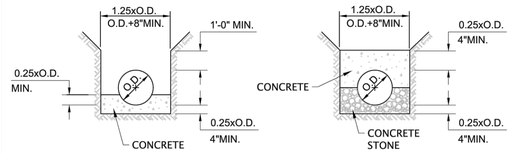
BAY COUNTY UTILITIES STANDARD DETAILS	VALVE AND VALVE BOX COLLAR	DATE : MAY 2023 SCALE : NTS FIGURE : G-19

REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DR-18 PVC PIPE

MAIN PIPE SIZE	HORIZ. BENDS			TEES						REDUCERS				PLUGS & VALVES
	90°	45°	22.5°	SIZE / LENGTH						SIZE / LENGTH				
24	90	38	18	X24 / 169	X20 / 132	X18 / 90	X12 / 38	X10 / 6		X20 / 84	X16 / 117	X12 / 158		214
20	78	32	16	X20 / 141	X16 / 101	X12 / 53	X10 / 24	X8 / 1		X16 / 65	X12 / 115	X10 / 149		184
16	66	27	13	X16 / 111	X12 / 67	X10 / 41	X8 / 12			X12 / 64	X10 / 107	X8 / 111		151
12	52	22	10	X12 / 80	X10 / 56	X8 / 31	X6 / 1			X10 / 58	X8 / 62	X6 / 86		118
10	44	18	9	X10 / 63	X8 / 40	X6 / 7				X8 / 33	X6 / 61	X4 / 81		100
8	37	15	7	X8 / 49	X6 / 18	X4 / 1				X6 / 35	X4 / 60			83
6	29	12	6	X6 / 29	X4 / 1					X4 / 33				63
4	21	8	4	X4 / 12										45

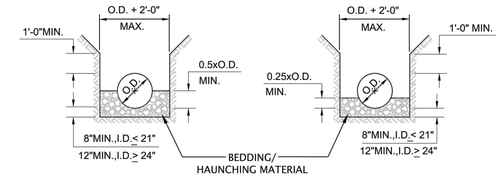
NOTES:
1. RESTRAIN 11.25° BENDS 50% OF LENGTH FOR 22.5° BENDS.
2. ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
3. ALL ISOLATION VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
4. PIPE SIZES ARE GIVEN IN INCHES.
5. RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
6. LENGTHS SHOWN ARE FOR A TEST PRESURE OF 180 PSI.
7. THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFTEY. ACTUAL BURY CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
8. RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL RESTRAINED LENGTHS FOR PIPE.

BAY COUNTY UTILITIES STANDARD DETAILS	RESTRAINED JOINT REQUIREMENTS FOR PVC PIPE	DATE : MAY 2023 SCALE : NTS FIGURE : G-16



CONCRETE CRADLE — CONCRETE ARCH

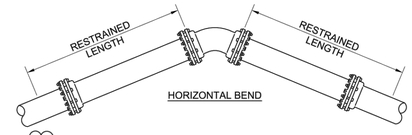
CLASS "A"

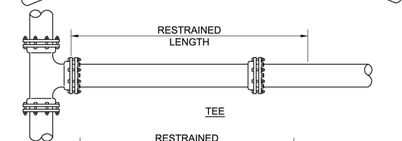


CLASS "B" — CLASS "C"

NOTES:
1. FOR PVC AND HDPE HAUNCHING/BEDDING MATERIAL SHALL EXTEND TO 6-INCHES ABOVE THE TOP OF PIPE

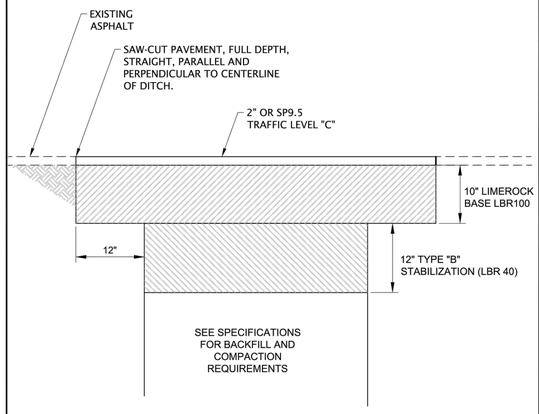
BAY COUNTY UTILITIES STANDARD DETAILS	PIPE BEDDING AND HAUNCHING	DATE : MAY 2023 SCALE : NTS FIGURE : G-8





RESTRAINED LENGTHS FOR PIPE

BAY COUNTY UTILITIES STANDARD DETAILS	RESTRAINED JOINT REQUIREMENTS TYPICAL LENGTHS	DATE : MAY 2023 SCALE : NTS FIGURE : G-18



NOTE:
DETAIL FOR FOR DRIVEWAYS, PARKING AREAS, AND LOW DENSITY RESIDENTIAL. CONTACT BAY COUNTY ENGINEERING DEPARTMENT TO DETERMINE REQUIREMENTS FOR REPLACING PAVEMENT ON COUNTY ROADS.

BAY COUNTY UTILITIES STANDARD DETAILS	ASPHALT PAVEMENT REPLACEMENT	DATE : MAY 2023 SCALE : NTS FIGURE : G-9

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3711 US Highway 231 Panama City, Florida 32404
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449 W 23rd St. Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06-09-2025 △

TITLE
COUNTY DETAILS

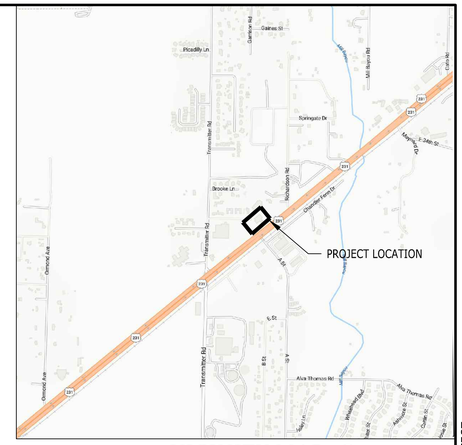
SHEET
C9.0

CONSTRUCTION DOCUMENTS

PANAMA CITY FSER EXPANSION

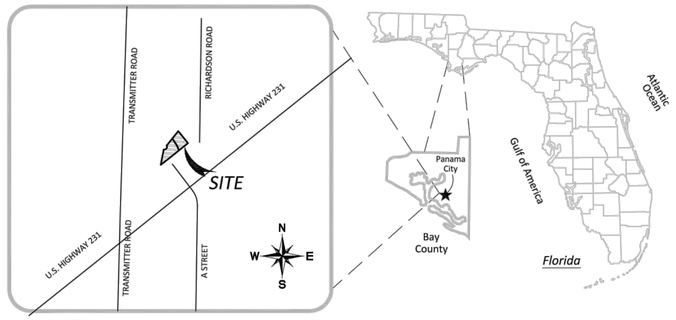
BAY COUNTY, FLORIDA

CATALYST PROJECT NO. 20240065
JUNE 9, 2025


PROJECT LOCATION
Gaines St
Picadilly Ln
Springacre Dr
Brooke Ln
Ormond Ave
Alva Thomas Rd
Transmitter Rd
Richardson Rd
Chandler Farm Dr
Mt Repro Rd
Industrial Park Dr
Industrial Blvd
Thomas Dr
Cedar Dr
Pine St
Rosemary Dr
Jasmine Dr
Magnolia Dr
Lynn Dr
Sherry Dr
Mary Dr
Jean Dr
Ann Dr
Sue Dr
Ruth Dr
Ida Dr
Ivy Dr
Kay Dr
Eva Dr
Joy Dr
Lee Dr
Fay Dr
Gay Dr
Dot Dr
Jill Dr
Jo Dr
Jan Dr
Jay Dr
Jim Dr
Jon Dr
Jeff Dr
Jane Dr
Jack Dr
Jeri Dr
Jeri Ct
Jeri Cir
Jeri Ln
Jeri Pl
Jeri Ter
Jeri Way
Jeri Trl
Jeri Blvd
Jeri Pkwy
Jeri Sq
Jeri Ctr
Jeri Mall
Jeri Plz
Jeri Arc
Jeri Bay
Jeri Cove
Jeri Glen
Jeri Hill
Jeri Lake
Jeri Park
Jeri Pond
Jeri Rock
Jeri Sand
Jeri Shore
Jeri Stone
Jeri Tree
Jeri Vale
Jeri View
Jeri Wood
Jeri Yard
Jeri Zone
Jeri Area
Jeri Base
Jeri Camp
Jeri Dock
Jeri Edge
Jeri Fort
Jeri Gate
Jeri Hall
Jeri Inn
Jeri Jail
Jeri Keep
Jeri Lane
Jeri Mill
Jeri Nook
Jeri Oval
Jeri Path
Jeri Quay
Jeri Road
Jeri Slip
Jeri Tank
Jeri Unit
Jeri Vent
Jeri Wall

MAP OF TOPOGRAPHIC SURVEY

OF LYNN HAVEN ER EXPANSION
A PARCEL OF LAND LYING WITHIN SECTION 24, TOWNSHIP 3 SOUTH, RANGE 14 WEST, BAY COUNTY, FLORIDA
3717 HIGHWAY 231, PANAMA CITY, FLORIDA 32404
SHEET 1 OF 1



VICINITY MAP
NOT TO SCALE

SURVEYOR'S REPORT:

1. THIS IS A TOPOGRAPHIC SURVEY, AS DEFINED IN CHAPTER 5J-17.050(11) OF THE FLORIDA ADMINISTRATIVE CODE (FAC). MORE SPECIFICALLY THE PURPOSE OF THIS SURVEY, WAS TO CONVEY IMPROVEMENTS WITHIN A DESIGNATED AREA TOPOGRAPHICALLY WITHIN THIS SUBJECT PARCEL.
2. THE ACCURACY STANDARD USED FOR HORIZONTAL CONTROL FOR THIS SURVEY EXCEEDS A MINIMUM RELATIVE DISTANCE OF 1 FOOT IN 10,000 FEET. ("STANDARDS OF PRACTICE (5J-17.051 FAC)" PURSUANT TO SECTION 472.027, FLORIDA STATUTES).
3. THE HORIZONTAL CONTROL NETWORK WAS COMPLETED UTILIZING A TRIMBLE R10 INTEGRATED GNSS RECEIVER. THE CONTROL FOR THIS SURVEY IS BASED ON REDUNDANT RTK (REAL TIME KINEMATICS) OBSERVATIONS BASED ON FPRN (FLORIDA PERMANENT REFERENCE NETWORK).
   - 3.1. THE REDUNDANT RTK (REAL TIME KINEMATICS) OBSERVATIONS WERE PERFORMED TO ESTABLISH THE PRIMARY NETWORK CONTROL. THE OBSERVATIONS WERE PERFORMED ON APRIL 29TH, 2025.
   - 3.2. A FIELD TRAVERSE WAS USED TO ESTABLISH INTERMITTENT CONTROL BETWEEN THE GPS POINTS.
   - 3.3. HORIZONTAL CONTROL IS BASED ON FLORIDA STATE PLANE COORDINATE NORTH (903) NAD (NORTH AMERICAN DATUM) 1983/2011ADJ.
5. THE ACCURACY STANDARD USED FOR THE VERTICAL CONTROL FOR THIS SURVEY MEETS OR EXCEEDS THE REQUIREMENT CLASSIFIED IN THE STANDARDS OF PRACTICE (5J-17.051 FAC). THE MAXIMUM ERROR OF ACCURACY ALLOWED FOR THIS TYPE OF SURVEY IS 0.05 TIMES THE SQUARE ROOT OF THE DISTANCE IN MILES (0.05*√1). THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION EXCEEDS THIS REQUIREMENT.
6. VERTICAL CONTROL IS BASED ON GPS LEVELING UTILIZING THE FLORIDA PERMANENT REFERENCE NETWORK.
   - 6.1. VERTICAL DATA IS BASED ON NAVD (NORTH AMERICAN VERTICAL DATUM) 1988 (U.S. SURVEY FOOT).
   - 6.2. VERTICAL DATA IS BASED ON FDOT POINT DESIGNATED AS PID=46-03-001V ELEV=18.01(NORTH AMERICAN VERTICAL DATUM) 1988 (U.S. SURVEY FOOT)
   - 6.3. TWO TEMPORARY BENCH MARKS WERE SET ON THE SITE. SEE THE MAP OF SURVEY.
7. DISTANCES THAT WERE MEASURED WITH E.D.M. EQUIPMENT HAVE BEEN ADJUSTED FOR TEMPERATURE.
8. PROPERTY LINES SHOWN HEREON WERE COMPUTED FROM THE EXISTING PUBLIC RECORD OF BAY COUNTY, FLORIDA, AND ARE BASED ON FOUND MONUMENTATION. MONUMENT SYMBOLS SHOWN ARE NOT TO SCALE.
9. NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, ENCUMBRANCES, RIGHTS-OF-WAY, AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR, EXCEPT AS SHOWN. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP OR OTHER DEEDS OF RECORD, BY THIS SURVEYOR. WITHOUT BENEFIT OF TITLE WORK SURVEYOR CAN'T DETERMINE IF UTILITIES LAY OUTSIDE EASEMENTS.
10. SURVEYOR'S LIABILITY FOR THE DOCUMENT SHALL BE LIMITED TO THE ORIGINAL PURCHASER AND DOES NOT EXTEND TO ANY UNNAMED PERSON OR ENTITIES WITHOUT AN EXPRESSED RE-CERTIFICATION BY WHOSE SIGNATURE APPEARS UPON THE SURVEY
11. ABOVE GROUND UTILITIES SHOWN WERE LOCATED BY FIELD OBSERVATIONS. UTILITIES SYMBOLS ARE NOT TO SCALE.
    - 11.1. G.P.R. (GROUND PENETRATING RADAR) WAS UTILIZED DURING THIS SURVEY AND MARKED UTILITIES WERE LOCATED AND SHOWN HEREON.
    - 11.2. SOUTHEASTERN SURVEYING AND MAPPING COMPANY, SERVED AS A SUBCONSULTANT TO KPMFRANKLIN FOR THIS PROJECT, PROVIDING SUBSURFACE UTILITY ENGINEERING AT AREAS SPECIFIED BY THE CLIENT AND/OR THIS FIRM, INCLUDING ASCE 38-02 QUALITY LEVEL "B" ELECTROMAGNETIC AND GEOPHYSICAL PROSPECTING SERVICES IN CONJUNCTURE WITH ASCE 38-02 QUALITY LEVELS "C" AND "D."
    - 11.3. NO S.U.E. (SUBSURFACE UTILITY ENGINEERING) QUALITY ASCE 38-02 LEVEL "A," WHICH INVOLVES EXCAVATION AND EXPOSURE OF SUBSURFACE UTILITIES, WAS PERFORMED.
12. ABOVE GROUND UTILITIES SHOWN WERE LOCATED BY FIELD OBSERVATIONS. UTILITIES SYMBOLS ARE NOT TO SCALE
13. THIS PROPERTY LIES WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) OF THE CURRENT FEMA FLOOD RATE MAPS AND IS REFLECTED ON THE SURVEY. THE MAP IDENTIFICATION IS MAP NUMBER 12005C0353J WITH A EFFECTIVE DATE OF OCTOBER 24TH 2024.
14. ONE FOOT CONTOUR INTERVALS ARE SHOWN HEREON.
15. PRIOR TO ANY CONSTRUCTION, EXCAVATION OR ANY DISTURBANCE OF THE EXISTING GROUND ELEVATION, THE OWNER AND / OR CONTRACTOR SHOULD ASSUME RESPONSIBILITY OF CONTACTING THE LOCAL UTILITY AUTHORITIES FOR EXACT LOCATION OF UNDERGROUND GAS LINES, TELEPHONE LINES, ELECTRIC CABLES, WATER LINES, ETC. TO AVOID ANY HAZARD OR CONFLICT.
16. ALL TYPES, SIZES, LOCATIONS, GRADES, ETC, OF ALL FEATURES, SHOULD BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
17. THIS SURVEY DOES NOT INCLUDE THE LOCATION OF ANY POSSIBLE WETLAND, JURISDICTIONAL BOUNDARIES, OR HABITATS FOR PROTECTED SPECIES, EXCEPT AS SHOWN.
18. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT EXPRESSED WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
19. TREE SYMBOLS, IF ANY, ARE NOT TO SCALE. TREE DIAMETER BREAST HEIGHT IS DENOTED BY EACH TREE ON THIS SURVEY. TREE SIZE AND SPECIES SHOULD BE VERIFIED BY A REGISTERED LANDSCAPE ARCHITECT (R.L.A.), ARBORIST OR PERSON OF A SIMILAR PROFESSION AS DEFINED BY THE LOCAL MUNICIPALITY.
20. PIPE DIRECTIONS SHOWN HEREON APPROXIMATED BASED ON TACTILE EVIDENCE FROM PROBING THE STRUCTURE WHILE MEASUREMENTS WERE COLLECTED.
21. FOR BOUNDARY INFORMATION REFERENCE KPMF PROJECT NUMBER 21-0456.000
21. FOR BOUNDARY INFORMATION REFERENCE S&ME PROJECT NUMBER 5271-17-134

SYMBOLS LEGEND:

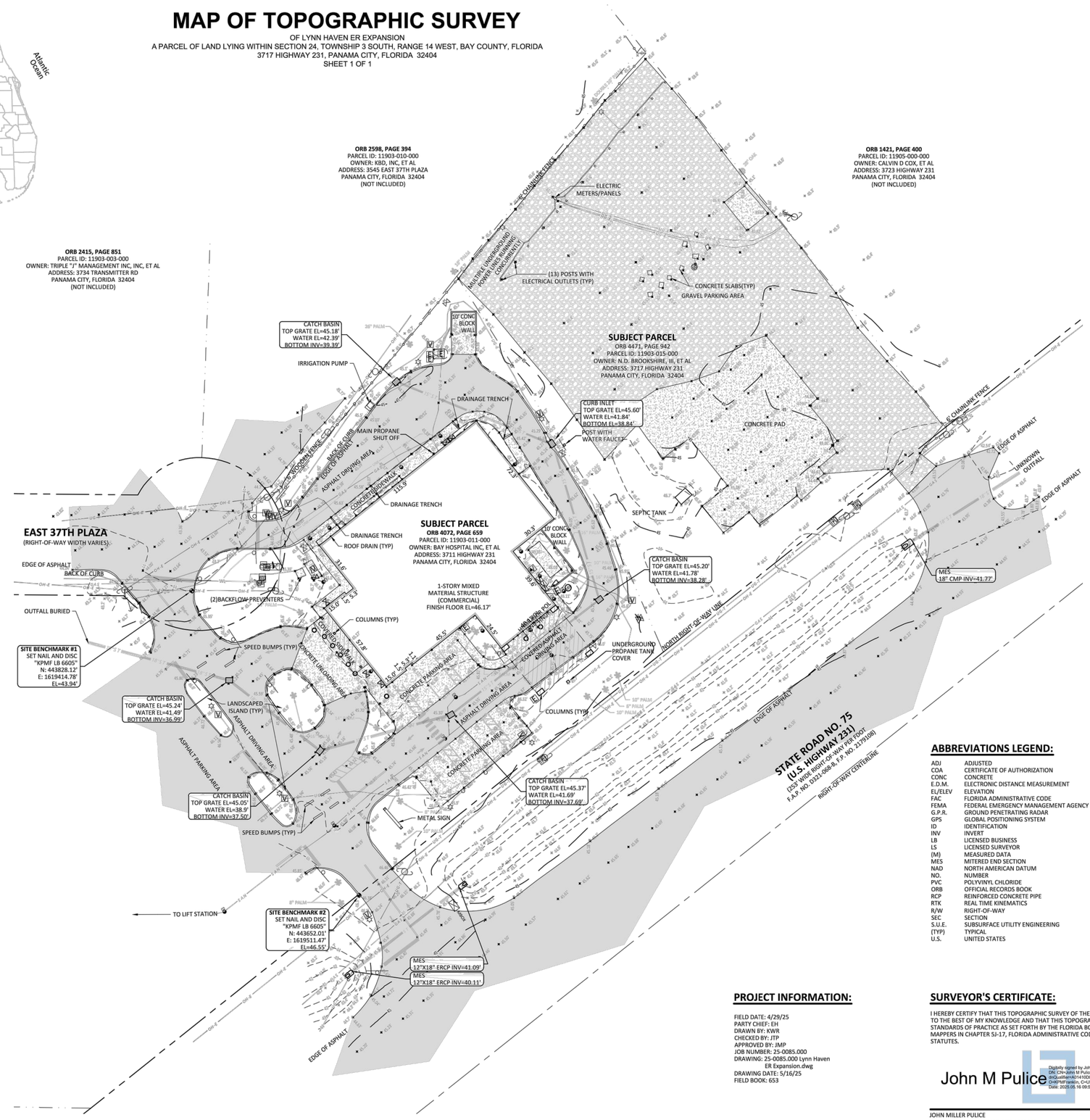
- BENCHMARK
- BOLLARD
- CLEANOUT
- CATCH BASIN
- ELECTRIC RISER
- FIRE HYDRANT
- FIBER OPTIC MARKER
- GUY WIRE ANCHOR
- ADA PARKING SPACE MARKING
- LIGHT POLE
- MBOX MAIL BOX
- MITERED END SECTION
- UNKNOWN MANHOLE
- WM WATER METER
- CONCRETE UTILITY POLE
- WOOD UTILITY POLE
- STREET SIGN
- TP TELEPHONE PEDESTAL
- BFP BACKFLOW PREVENTER
- GAS VALVE
- RECLAIMED WATER VALVE
- WATER VALVE
- W WELL

LINE LEGEND:

- ST STORM DRAIN PIPE
- UG-T UNDERGROUND TELEPHONE LINE
- UG-E UNDERGROUND POWER LINE
- OH-E OVERHEAD POWER LINE
- GAS GAS LINE
- UNK UNKNOWN UTILITY LINE
- WL WATER LINE
- CHAINLINK FENCE
- 51 MINOR CONTOUR LINE
- 50 MAJOR CONTOUR LINE

TREE LEGEND:

- OAK TREE
- PALM TREE



ABBREVIATIONS LEGEND:

ADJ	ADJUSTED
COA	CERTIFICATE OF AUTHORIZATION
CONC	CONCRETE
E.D.M.	ELECTRONIC DISTANCE MEASUREMENT
EL/ELEV	ELEVATION
FAC	FLORIDA ADMINISTRATIVE CODE
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
G.P.R.	GROUND PENETRATING RADAR
GPS	GLOBAL POSITIONING SYSTEM
ID	IDENTIFICATION
INV	INVERT
LB	LICENSED BUSINESS
LS	LICENSED SURVEYOR
(M)	MEASURED DATA
MES	MITERED END SECTION
NAD	NORTH AMERICAN DATUM
NO.	NUMBER
PVC	POLYVINYL CHLORIDE
ORB	OFFICIAL RECORDS BOOK
RCP	REINFORCED CONCRETE PIPE
RTK	REAL TIME KINEMATICS
R/W	RIGHT-OF-WAY
SEC	SECTION
S.U.E.	SUBSURFACE UTILITY ENGINEERING
(TYP)	TYPICAL
U.S.	UNITED STATES

PROJECT INFORMATION:

FIELD DATE: 4/29/25
PARTY CHIEF: EH
DRAWN BY: KWR
CHECKED BY: JTP
APPROVED BY: JMP
JOB NUMBER: 25-0085.000
DRAWING: 25-0085.000 Lynn Haven ER Expansion.dwg
DRAWING DATE: 5/16/25
FIELD BOOK: 653

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY OF THE DESCRIBED PROPERTY, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT THIS TOPOGRAPHIC SURVEY CONFORMS WITH THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

John M Pulice

Digitally signed by John M Pulice
DN: CN=John M Pulice, OU=Florida, O=KPMFRANKLIN, C=US, E=jpulice@kpmfranklin.com
Date: 2025.05.16 09:55:13-04'00'

JOHN MILLER PULICE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NUMBER: LS6811
NOT VALID WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER. PDF FORMAT COPIES DIGITALLY SIGNED BY THE LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER USING A THIRD PARTY DIGITAL SIGNATURE SERVICE ARE ACCEPTABLE. PAPER COPIES WITHOUT ORIGINAL SIGNATURE AND SEAL ARE NOT VALID.

KPMFranklin
ENGINEERS • PLANNERS • SURVEYORS
222 CHURCH STREET,
KISSIMMEE, FL 32741
PHONE (407)846-1216
COA 32059 LB 6605

REV NO.	DATE
10	
9	
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1	

TOPOGRAPHIC SURVEY

LYNN HAVEN ER EXPANSION

CAUTION
0 1/2 1
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE

EXISTING CONDITIONS
C1.0

DATE:	5-16-25
JOB NO: NO.:	25-0085.000
DESIGN:	
DRAWN:	KWR
APPROVED:	JMP
SHEET NO:	1 OF 1
REV:	

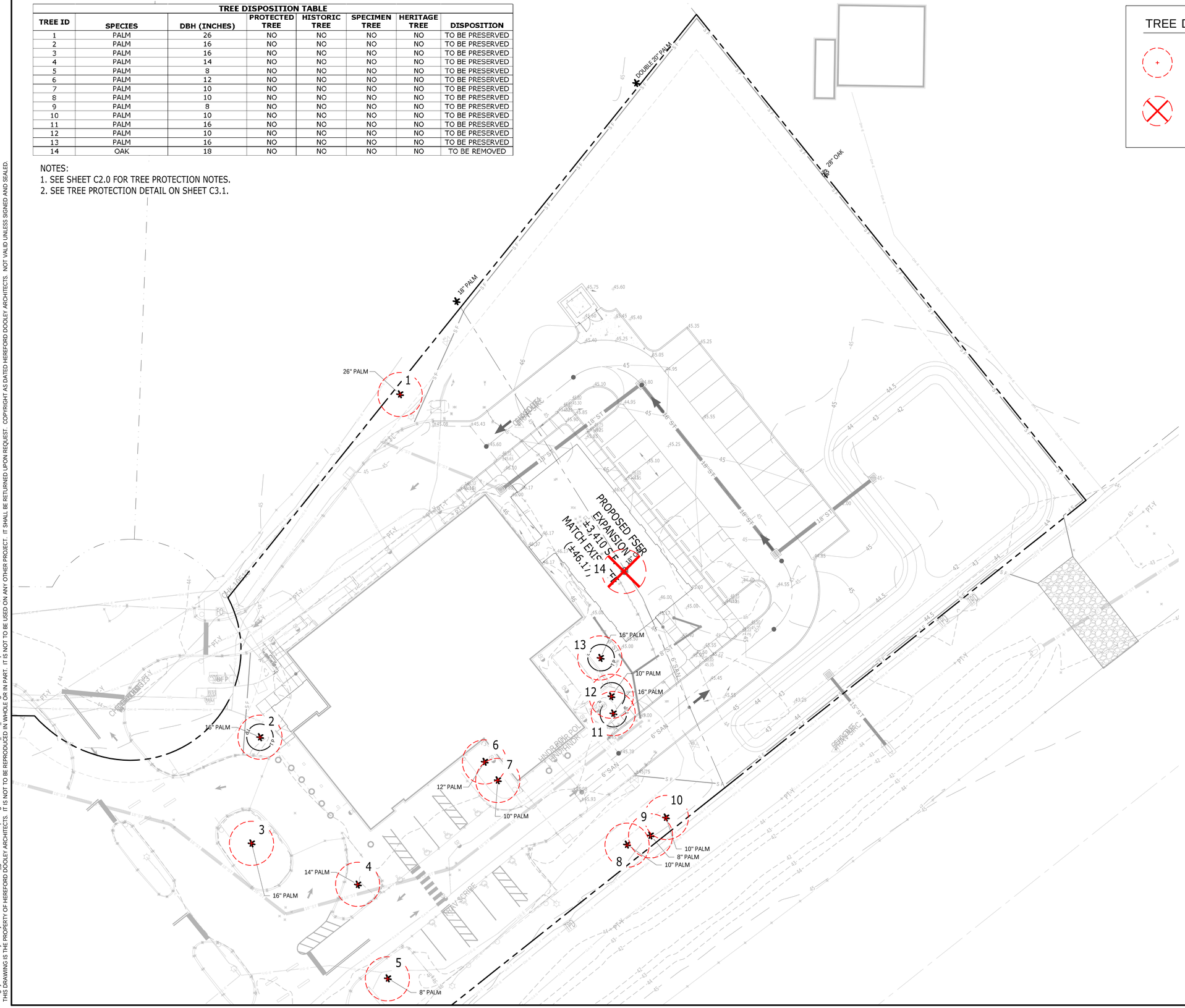
S:__PROJECT SURVEY PROJECTS\25-0085.000 LYNN HAVEN ER EXPANSION\DWG (SURVEY)\25-0085.000 LYNN HAVEN ER EXPANSION.DWG — 5/16/2025 9:42 AM

\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_L0-0_TREE.dwg-L0.0 Tree Disposition Plan Jun 27, 2025 ianderson
THIS DRAWING IS THE PROPERTY OF HEREFORD DOOLEY ARCHITECTS. IT IS NOT TO BE REPRODUCED IN WHOLE OR IN PART. IT IS NOT TO BE USED ON ANY OTHER PROJECT. IT SHALL BE RETURNED UPON REQUEST. COPYRIGHT AS DATED HEREFORD DOOLEY ARCHITECTS. NOT VALID UNLESS SIGNED AND SEALED.

TREE DISPOSITION TABLE

TREE ID	SPECIES	DBH (INCHES)	PROTECTED TREE	HISTORIC TREE	SPECIMEN TREE	HERITAGE TREE	DISPOSITION
1	PALM	26	NO	NO	NO	NO	TO BE PRESERVED
2	PALM	16	NO	NO	NO	NO	TO BE PRESERVED
3	PALM	16	NO	NO	NO	NO	TO BE PRESERVED
4	PALM	14	NO	NO	NO	NO	TO BE PRESERVED
5	PALM	8	NO	NO	NO	NO	TO BE PRESERVED
6	PALM	12	NO	NO	NO	NO	TO BE PRESERVED
7	PALM	10	NO	NO	NO	NO	TO BE PRESERVED
8	PALM	10	NO	NO	NO	NO	TO BE PRESERVED
9	PALM	8	NO	NO	NO	NO	TO BE PRESERVED
10	PALM	10	NO	NO	NO	NO	TO BE PRESERVED
11	PALM	16	NO	NO	NO	NO	TO BE PRESERVED
12	PALM	10	NO	NO	NO	NO	TO BE PRESERVED
13	PALM	16	NO	NO	NO	NO	TO BE PRESERVED
14	OAK	18	NO	NO	NO	NO	TO BE REMOVED

NOTES:
1. SEE SHEET C2.0 FOR TREE PROTECTION NOTES.
2. SEE TREE PROTECTION DETAIL ON SHEET C3.1.



TREE DISPOSITION LEGEND

EXISTING TREES TO REMAIN

EXISTING TREES TO BE REMOVED

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

PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
6-09-2025

DATES OF ISSUANCE
06-09-2025
△

TITLE
TREE DISPOSITION PLAN

SHEET
L0.0

Catalyst DESIGN GROUP
1085 W MORSE BLVD, WINTER PARK, FL 32789
(689) 219-8900 | WWW.CATALYST-DG.COM
Ian Brice Anderson, PE 87145
Siu Jun Wong, PLA LA 6667315
Florida Firm Registration No. 33093

\\EgnyteDrive\Catalyst Projects\2024\202440065_gulf coast er exp\dwg\construction\20240065_L1-0_LAN.dwg-L1.0 Landscape Plan Jun 27, 2025 landerson
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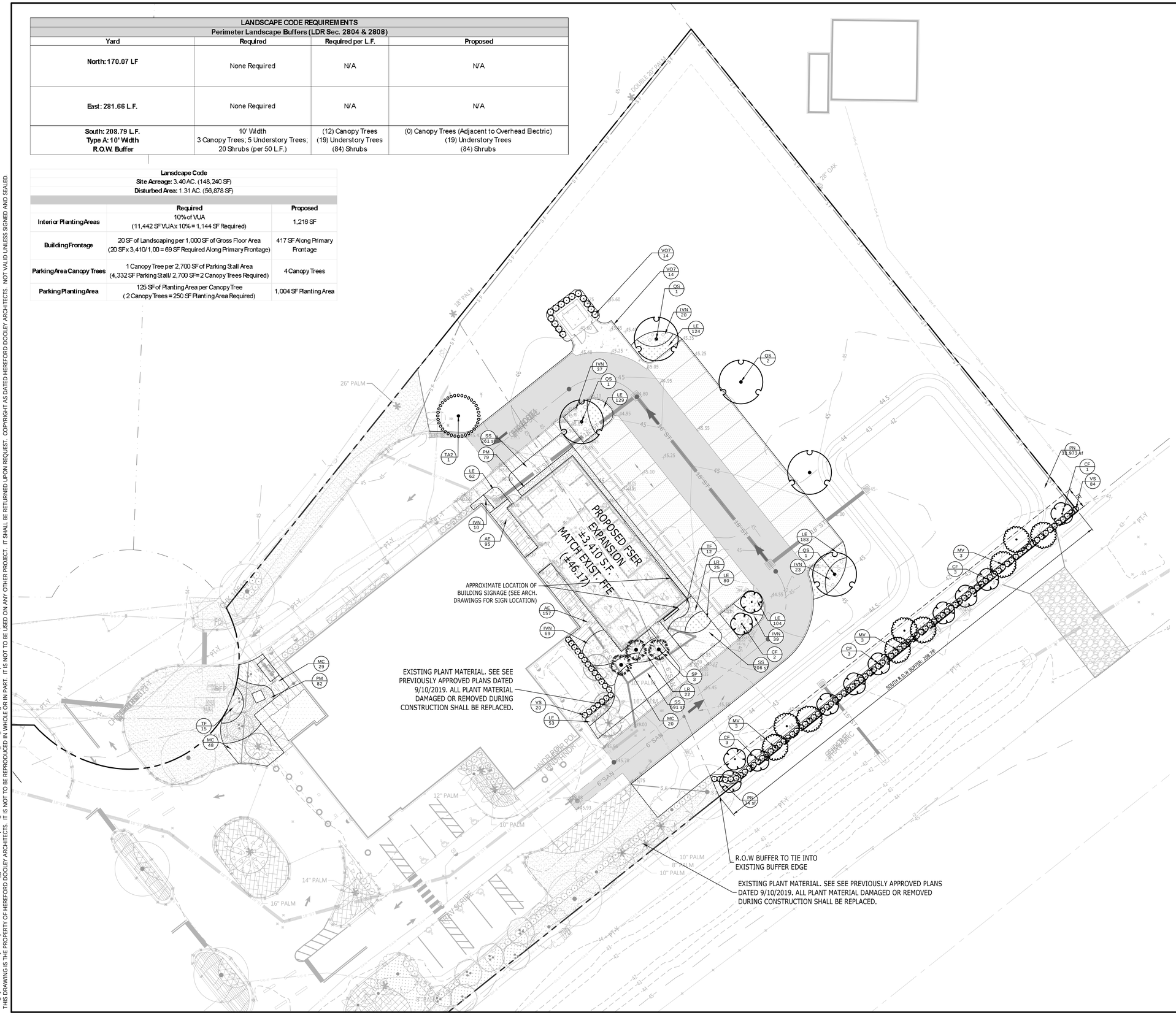
LANDSCAPE CODE REQUIREMENTS Perimeter Landscape Buffers (LDR Sec. 2804 & 2808)			
Yard	**Required**	**Required per L.F.**	**Proposed**
North: 170.07 LF	None Required	N/A	N/A
East: 281.66 L.F.	None Required	N/A	N/A
South: 208.79 L.F. **Type A: 10' Width** **R.O.W. Buffer**	10' Width 3 Canopy Trees; 5 Understory Trees; 20 Shrubs (per 50 L.F.)	(12) Canopy Trees (19) Understory Trees (84) Shrubs	(0) Canopy Trees (Adjacent to Overhead Electric) (19) Understory Trees (84) Shrubs

Lansdcape Code
Site Acreage: 3.40 AC. (148,240 SF)
Disturbed Area: 1.31 AC. (56,878 SF)

	Required	**Proposed**
Interior Planting Areas	10% of VUA (11,442 SF VUA x 10% = 1,144 SF Required)	1,216 SF
Building Frontage	20 SF of Landscaping per 1,000 SF of Gross Floor Area (20 SF x 3,410/1,00 = 69 SF Required Along Primary Frontage)	417 SF Along Primary Frontage
Parking Area Canopy Trees	1 Canopy Tree per 2,700 SF of Parking Stall Area (4,332 SF Parking Stall/ 2,700 SF = 2 Canopy Trees Required)	4 Canopy Trees
Parking Planting Area	125 SF of Planting Area per Canopy Tree (2 Canopy Trees = 250 SF Planting Area Required)	1,004 SF Planting Area



PLANT SCHEDULE

SYMBOL	CODE	COMMON NAME
TREES		
	TA2	Bald Cypress
	QS	Sky Climber Southern Live Oak
PALM TREES		
	SP	Cabbage Palmetto
UNDERSTORY TREES		
	CF	Flowering Dogwood
	MV	Little Gem Magnolia
SHRUBS		
	VS	Sandankwa Viburnum
	VO7	Sweet Viburnum
SHRUB AREAS		
	AE	Cast Iron Plant
	IVN	Dwarf Yaupon Holly
	TF	Fakahatchee Grass
	PM	Japanese Yew
	MC	Muhly Grass
	LR	Plum Loropetalum
GROUND COVERS		
	LE	Emerald Goddess Lilyturf
SOD		
	PN	Argentine Bahiagrass
	SS	Floratam St. Augustine Grass

NOTES

SEE SHEET L1.1 FOR FULL LANDSCAPE SCHEDULE.

N

0 10 20 40 60
GRAPHIC SCALE

Catalyst DESIGN GROUP
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Ian Brice Anderson, PE 87145
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PROJECT # 225004.00
CLIENT #3092800026

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3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
6/20/2025

DATES OF ISSUANCE
06-09-2025

TITLE: LANDSCAPE PLAN

SHEET: L1.0

PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE
TREES								
	QS	5	Native	Sky Climber Southern Live Oak	Quercus virginiana 'Sky Climber'	-	3" CAL.	12'-14' HT.
	TA2	1	Native	Bald Cypress	Taxodium distichum	-	2" CAL.	10-12' HT.
PALM TREES								
	SP	3	Native	Cabbage Palmetto	Sabal palmetto	--	--	14'-16' CT.; SEE PLAN FOR CT HEIGHTS
UNDERSTORY TREES								
	CF	12	Native	Flowering Dogwood	Cornus florida	-	2.5" CAL.	8'-10'; MULTI.
	MV	9	Native	Little Gem Magnolia	Magnolia grandiflora 'Little Gem'	-	2.5" CAL.	10'-12'; FTG
SYMBOL	CODE	QTY	REMARKS	COMMON NAME	BOTANICAL NAME	CONT	SIZE	SPACING
SHRUBS								
	VO7	14	Not Native	Sweet Viburnum	Viburnum odoratissimum	7 GAL.	36" - 48" HT.	36" O.C.
	VS	104	Not Native	Sandankwa Viburnum	Viburnum suspensum	3 GAL.	18"-24" HT.	30" O.C.
SHRUB AREAS								
	AE	252	Not Native	Cast Iron Plant	Aspidistra elatior	3 GAL	18"-24" HT.	18" O.C.
	IVN	198	Native	Dwarf Yaupon Holly	Ilex vomitoria `Nana`	3 GAL	12"-18" HT., FULL	24" O.C.
	LR	47	Not Native	Plum Loropetalum	Loropetalum chinense `Plum`	3 GAL.	18"-24" OA	24" O.C.
	MC	97	Native	Muhly Grass	Muhlenbergia capillaris ' Gulf Coast'	3 GAL	24"-36" HT.	30" O.C.
	PM	161	Native	Japanese Yew	Podocarpus macrophyllus 'Pringles'	3 GAL.	18"-24" HT.	24" O.C.
	TF	27	Native	Fakahatchee Grass	Tripsacum dactyloides	3 GAL.	24"-30" OA, FULL	30" O.C.
GROUND COVERS								
	LE	735	Not Native	Emerald Goddess Lilyturf	Liriope muscari 'Emerald Goddess'	1 GAL.	FULL	12" O.C.
SOD								
	PN	34,007 sf		Argentine Bahiagrass	Paspalum notatum 'Argentine'	SOD		
	SS	1,058 sf		Floratam St. Augustine Grass	Stenotaphrum secundatum `Floratam`	SOD		

GENERAL LANDSCAPE NOTES

1. THE PLANT QUANTITIES SHOWN ON THE PLANT SCHEDULE 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.
2. ALL LANDSCAPE AREAS TO BE COVERED WITH 3" DEPTH 0F PINE BARK NUGGETS.
3. CONTRACTOR SHALL NOT OVERTHROW MULCH ONTO PLANT MATERIAL.
4. CONTRACTOR SHALL USE MULCH FINES TO COVER PERENNIAL PEANUTS, ASIATIC JASMINE PLANTING BEDS.
5. 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.
6. LANDSCAPE TO BE IRRIGATED BY AN AUTOMATIC SYSTEM WITH RAIN SENSOR.

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 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.

\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_L1-0_LAN.dwg-L1.1 Plant Schedule & Notes Jun 27, 2025 ianderson
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PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
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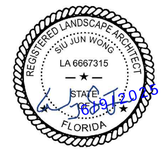
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034



DATES OF ISSUANCE
06-09-2025
△

TITLE: LANDSCAPE SCHEDULE & NOTES

SHEET: L1.1

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\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_L1-0_LAN.dwg-L1.2 Landscape Details Jun 27, 2025 ianderson
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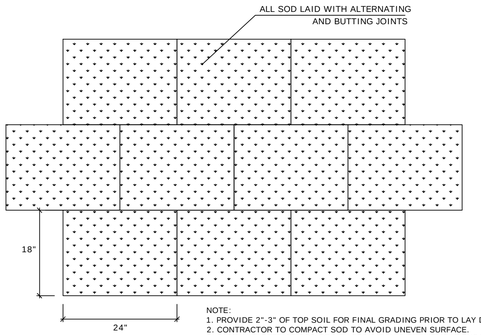
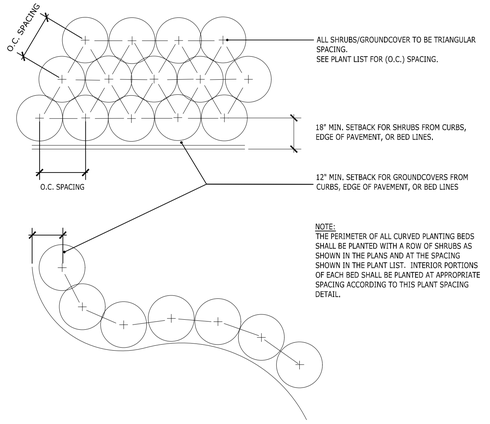
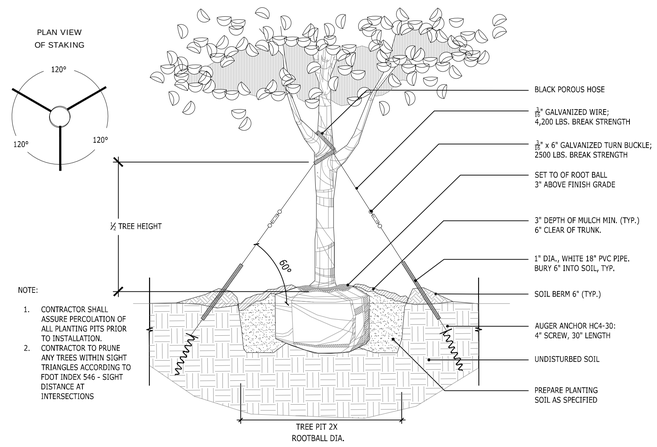


NOTE:
1. PROVIDE 2"-3" OF TOP SOIL FOR FINAL GRADING PRIOR TO LAY DOWN SOD.
2. CONTRACTOR TO COMPACT SOD TO AVOID UNEVEN SURFACE.
3. PARTIAL PIECES OF SOD OF NO LESS 2/3 IN SIZE WITHOUT ENDS WILL BE ACCEPTED.

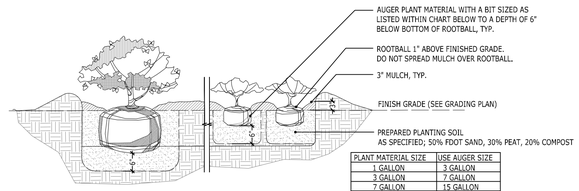
1 SOD PLANTING
SCALE: NTS



2 SHRUB & GROUNDCOVER SPACING
SCALE: NTS



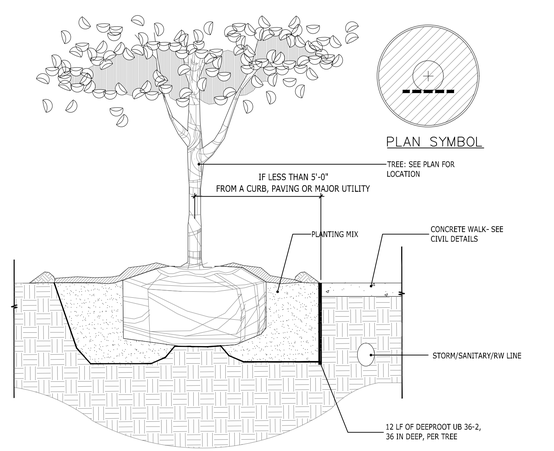
3 TREE PLANTING - 3" TO 7" CAL.
SCALE: NTS



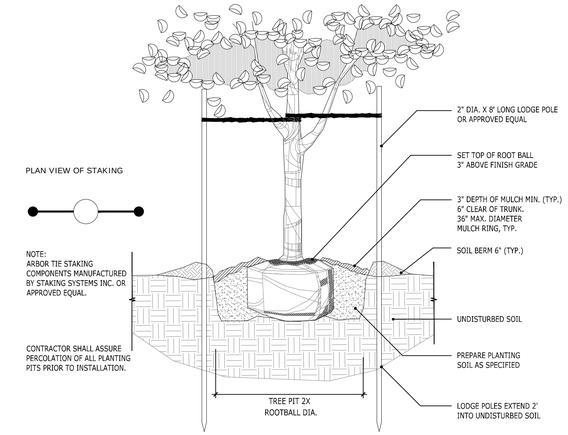
PLANT MATERIAL SIZE	USE AUGER SIZE
1 GALLON	3 GALLON
3 GALLON	7 GALLON
7 GALLON	15 GALLON
15 GALLON AND LARGER	SEE TREE PLTG. DETAILS

4 SHRUB & GROUNDCOVER PLANTING
SCALE: NTS

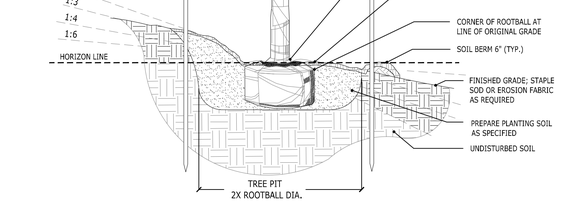
5 PALM PLANTING
SCALE: NTS



6 ROOT BARRIER
SCALE: NTS



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



8 TREE PLANTING ON SLOPE
SCALE: NTS

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STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT SIU JUN WONG LA 6667315 STATE OF FLORIDA 06/30/2026

DATES OF ISSUANCE
06-09-2025 △

TITLE: LANDSCAPE DETAILS

SHEET: L1.2

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\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_IR1-0_IRR.dwg-IR1.0 Irrigation Plan Jun 27, 2025 landerson
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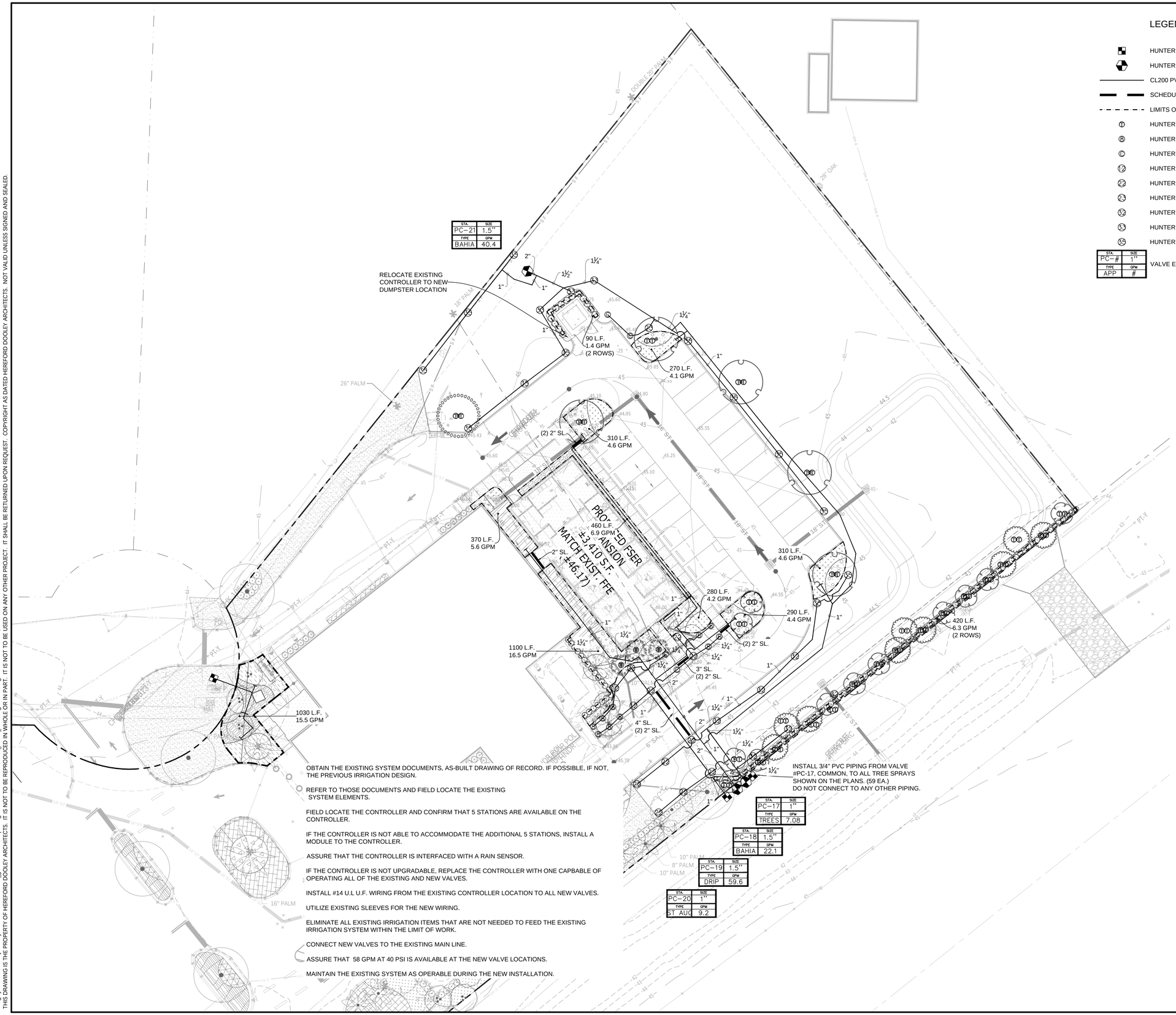

STA.	SIZE
PC–21	1.5''
TYPE	GPM
BAHIA	40.4

STA.	SIZE
PC–17	1''
TYPE	GPM
TREES	7.08

STA.	SIZE
PC–18	1.5''
TYPE	GPM
BAHIA	22.1

STA.	SIZE
PC–19	1.5''
TYPE	GPM
DRIP	59.6

STA.	SIZE
PC–20	1''
TYPE	GPM
ST AUG	9.2

OBTAIN THE EXISTING SYSTEM DOCUMENTS, AS-BUILT DRAWING OF RECORD. IF POSSIBLE, IF NOT, THE PREVIOUS IRRIGATION DESIGN.

REFER TO THOSE DOCUMENTS AND FIELD LOCATE THE EXISTING SYSTEM ELEMENTS.

FIELD LOCATE THE CONTROLLER AND CONFIRM THAT 5 STATIONS ARE AVAILABLE ON THE CONTROLLER.

IF THE CONTROLLER IS NOT ABLE TO ACCOMMODATE THE ADDITIONAL 5 STATIONS, INSTALL A MODULE TO THE CONTROLLER.

ASSURE THAT THE CONTROLLER IS INTERFACED WITH A RAIN SENSOR.

IF THE CONTROLLER IS NOT UPGRADABLE, REPLACE THE CONTROLLER WITH ONE CAPBABLE OF OPERATING ALL OF THE EXISTING AND NEW VALVES.

INSTALL #14 U.L U.F. WIRING FROM THE EXISTING CONTROLLER LOCATION TO ALL NEW VALVES.

UTILIZE EXISTING SLEEVES FOR THE NEW WIRING.

ELIMINATE ALL EXISTING IRRIGATION ITEMS THAT ARE NOT NEEDED TO FEED THE EXISTING IRRIGATION SYSTEM WITHIN THE LIMIT OF WORK.

CONNECT NEW VALVES TO THE EXISTING MAIN LINE.

ASSURE THAT 58 GPM AT 40 PSI IS AVAILABLE AT THE NEW VALVE LOCATIONS.

MAINTAIN THE EXISTING SYSTEM AS OPERABLE DURING THE NEW INSTALLATION.

LEGEND

- HUNTER 101G-FS-ADJ-F 1" VALVE ASSEMBLY
- HUNTER 151G-FS-ADJ-F 1.5" VALVE ASSEMBLY
- CL200 PVC SOLVENT WELD PVC PIPE ROUTING
- SCHEDULE 40 PVC SLEEVE LOCATION
- LIMITS OF HUNTER HDL-COP .9GPH, 12" O.C. DRIP TUBING
- HUNTER PROS-O6-PRS30 SPRINKLER WITH 5Q NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP800SR-90 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MPCORNER NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP1000-90 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP2000-90 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP2000-210 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP3000-90 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP3000-210 NOZZLE
- HUNTER PROS-O6-PRS40 SPRINKLER WITH MP3500-90 NOZZLE

STA.	SIZE
PC–#	1''
TYPE	GPM
APP	#

VALVE EXPECTED STATION NUMBER, SIZE, APPLICATION AND NOMINAL GALLONAGE

N

0 10 20 40 60
GRAPHIC SCALE

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LA 6667315
STATE OF FLORIDA
6/27/2025

DATES OF ISSUANCE
06-09-2025 △

TITLE
IRRIGATION PLAN

SHEET
IR1.0

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 NOZZLES FOR ALL TURF SPRAY APPLICATIONS.

POINT OF CONNECTION

CONNECT TO THE THE EXISTING MAIN LINE. ASSURE THAT 58 GPM AT 40 PSI IS AVAILABLE AT EACH VALVE LOCATION.

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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PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
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HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
06-30-2026

DATES OF ISSUANCE
06-09-2025 △

TITLE: IRRIGATION NOTES

SHEET: IR1.1

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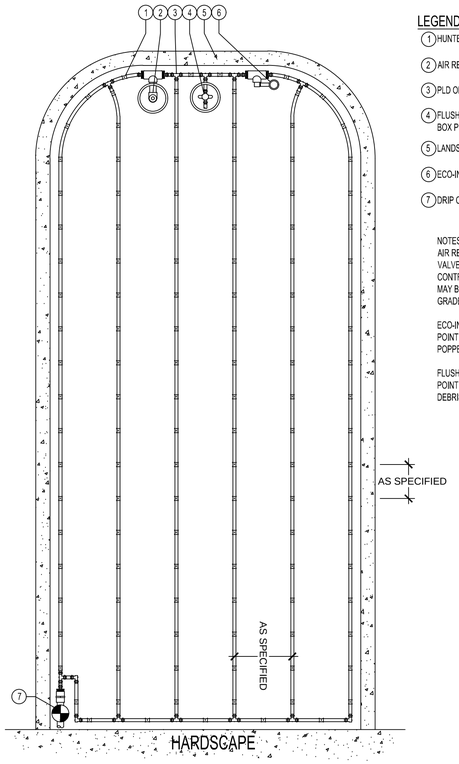


LEGEND:

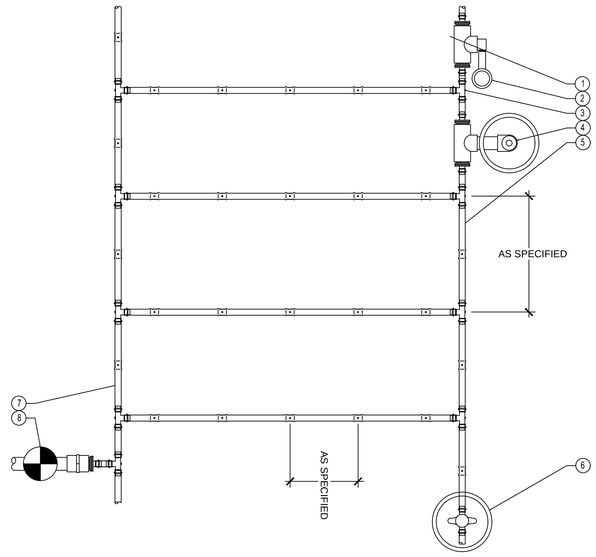
1. HUNTER DRIPLINE (HDL) PER PLAN
2. AIR RELIEF VALVE IN VALVE BOX
3. PLD OR PLD-LOC FITTINGS TYP.
4. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
5. LANDSCAPE ISLAND CURB
6. ECO-INDICATOR ON SWING ARM
7. DRIP CONTROL ZONE KIT PER PLAN

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



LEGEND:

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
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.

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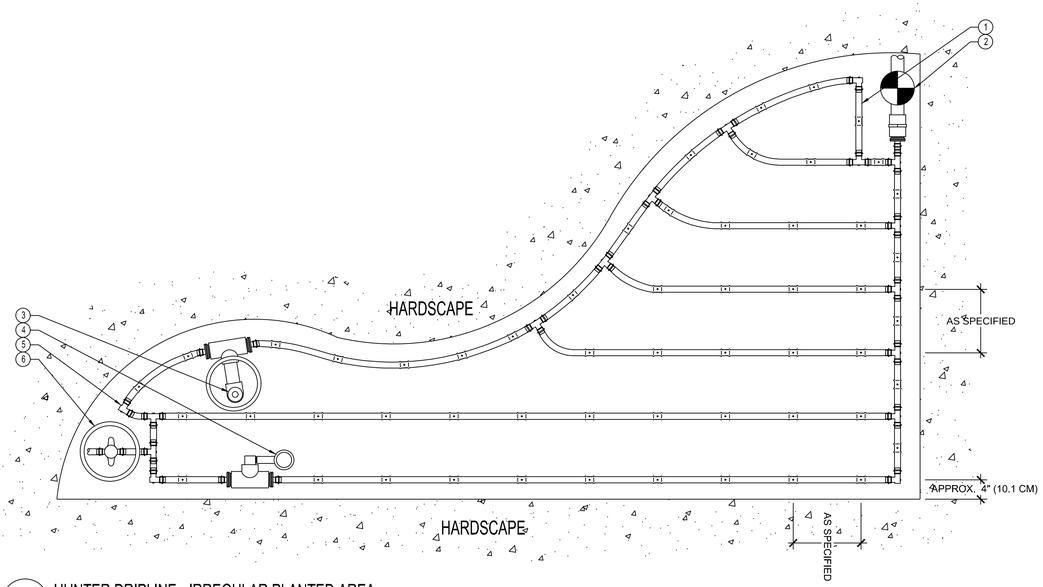
FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

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

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.

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

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PROJECT # 225004.00
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STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT
SIU JUN WONG
LA 6667315
STATE OF FLORIDA
06-13-2025

DATES OF ISSUANCE
06-09-2025
△

TITLE
IRRIGATION DETAILS

SHEET
IR1.2

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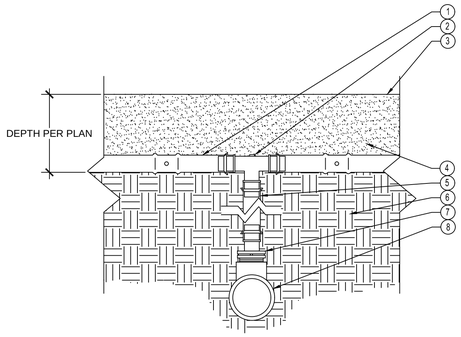
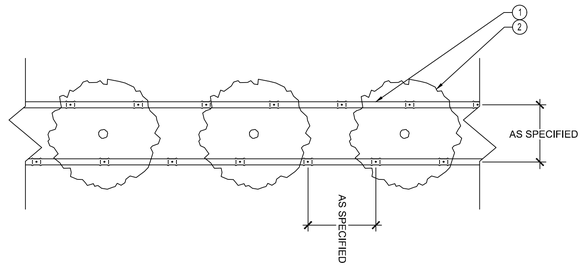


LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. HDL RISER - LENGTH AS REQUIRED
6. SOIL
7. PLD OR PLD-LOC FITTING
8. PVC SUPPLY HEADER - SIZE PER PLAN

1 HUNTER DRIPLINE - CONNECTION WITH DRIPLINE AND TEE
Hunter HM.HDL.06

NOT TO SCALE

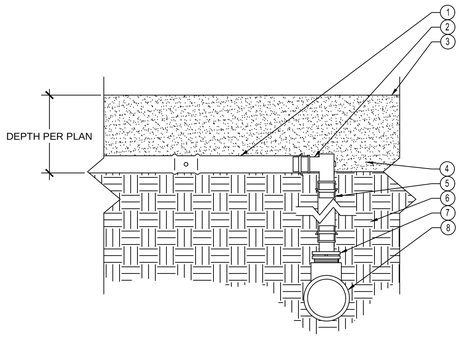


LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. HEDGE ROW (SEE PLANTING PLAN)

NOTES
TRIANGULATE EMITTERS TO MAXIMIZE COVERAGE

2 HUNTER DRIPLINE - HEDGE ROW
Hunter HM.HDL.11

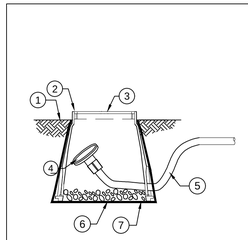
NOT TO SCALE



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

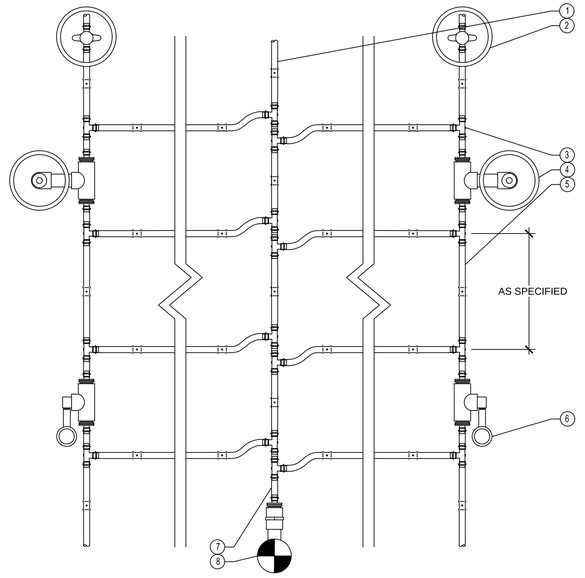


1. FINISHED GRADE.
2. TOP OF VALVE BOX FLUSH WITH TOP OF MULCH.
3. RAIN BIRD VB10RNDPL VALVE BOX.
4. AUTOMATIC LINE FLUSHING VALVE - 1 GAL. PER CYCLE
5. BLANK TUBING
6. 6-INCHES THICK LAYER OF 3/4" WASHED GRAVEL.
7. FILTER FABRIC

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.

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 # 225004.00
CLIENT #3092800026

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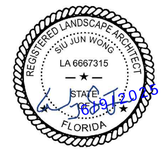
AHCA #3093000034



DATES OF ISSUANCE
06-09-2025

TITLE IRRIGATION DETAILS

SHEET IR1.3

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Florida Firm Registration No. 33093

DETAIL NOTES:

IN LEIU OF ANY FLUSHING CAPS AS SHOWN OR NOTED ON THE DETAILS, INSTALL AUTOMATIC DRIP LINE FLUSHING VALVES THAT WILL FLUSH APPROXIMATELY ONE GALLON OF IRRIGATION WATER AT THE BEGINNING OF EACH IRRIGATION CYCLE.

INSTALL NETAFIM TLFV-1, TORO T-FCH-H-FHT LOC-EZE, HUNTER AFV-B AUTOMATIC FLUSH VALVE OR EQUAL AUTOMATIC LINE FLUSHING VALVE.

AS APPLICABLE, IN ADDITION TO THE LOCATIONS NOTED ON THE PLANS AND DETAILS, INSTALL A LINE FLUSHING VALVE, A DRIP AIR RELIEF VALVE AND A RAIN BIRD "OPERIND" 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 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.

20240065_IR1-0_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 STUB OUT AS 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.

XFS 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.

20240065_IR1-0_IRR

INSTALL TUBING AT FINISHED GRADE UNDER THE MULCH.

LOOP ALL RUNS OF TUBING WITH A MAXIMUM LOOP DISTANCE FROM THE SUPPLY MANIFOLD OF 300'.

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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STATE OF FLORIDA
06-30-2026

DATES OF ISSUANCE
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TITLE IRRIGATION DETAILS

SHEET IR1.4

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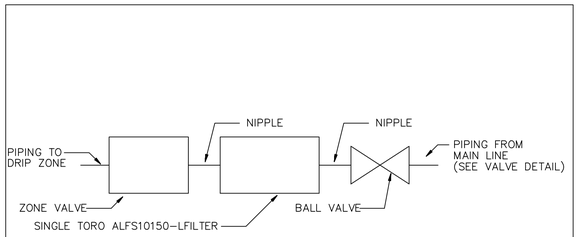


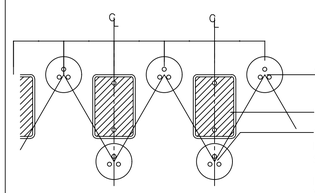
NOTES:

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

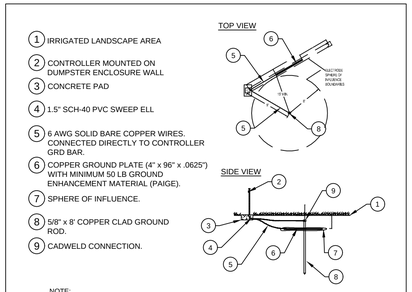
INSTALL THE FILTER IN ORIENTATION THAT ALLOWS REMOVAL OF CAP FOR FLUSHING (UPWARDS).

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

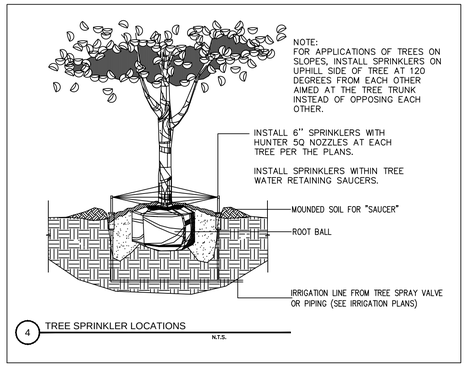
1 VALVE W/ FILTER SCHEMATIC
N.T.S.



2 TYPICAL VALVE BOX GROUPING
N.T.S.



3 CONTROLLER GROUNDING DETAIL
NTS



4 TREE SPRINKLER LOCATIONS
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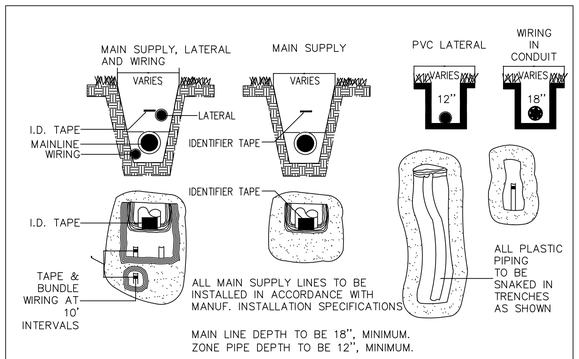
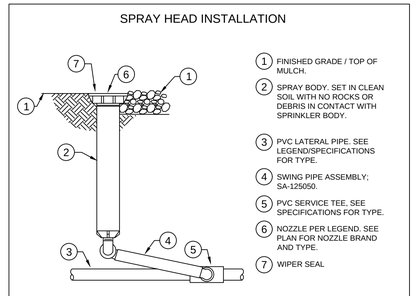
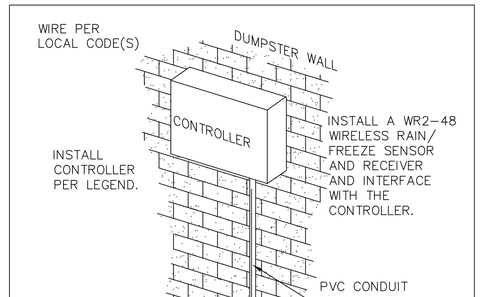


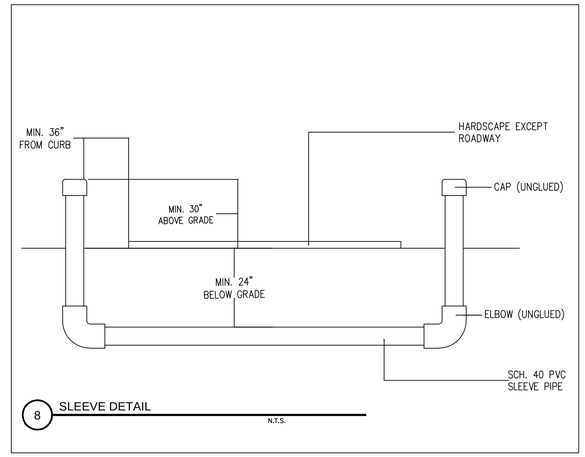
5 PIPE AND WIRE TRENCH CONFIGURATION
N.T.S.



6 Sprinkler Installation
NTS 6" Pop-Up Sprinklers



7 WALL MOUNT CONTROLLER
NTS



8 SLEEVE DETAIL
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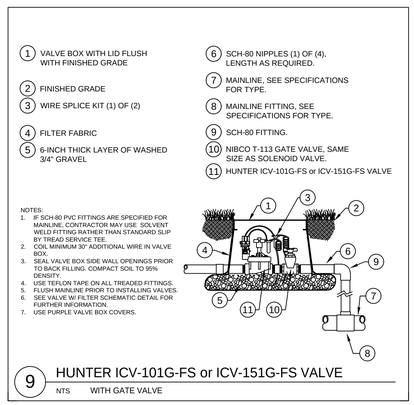
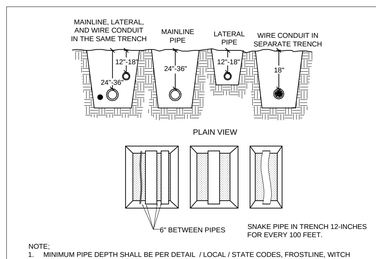
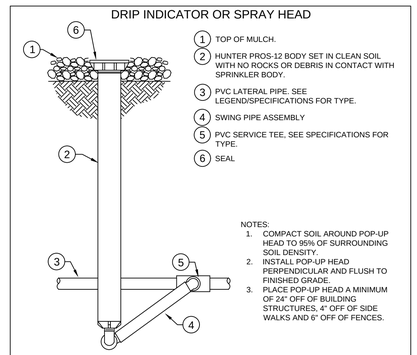


9 HUNTER ICV-101G-FS or ICV-151G-FS VALVE
NTS WITH GATE VALVE



10 PIPE TRENCH DETAIL
NTS



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

\\EgnyteDrive\Catalyst Projects\2024\20240065_gulf coast er exp\dwg\construction\20240065_IR1-0_IRR.dwg-IR1.5 irrigation Details Jun 27, 2025 ianderson
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PROJECT # 225004.00
CLIENT #3092800026

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St. Panama City, Florida 32405

STATUS CONSTRUCTION DOCUMENTS

AHCA #3093000034

REGISTERED LANDSCAPE ARCHITECT · SIU JUN WONG · LA 6667315 · STATE · FLORIDA

DATES OF ISSUANCE
06-09-2025

TITLE IRRIGATION DETAILS

SHEET IR1.5

Catalyst DESIGN GROUP
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(689) 219-8900 | WWW.CATALYST-DG.COM
Ian Brice Anderson, PE 87145
Siu Jun Wong, PLA LA 6667315
Florida Firm Registration No. 33093

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 (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 = 7 psf, Pg(asd)= 5 psf (with drift loads per Code)

   2.3.3 Rain Loads: Rain Intensity, i = 8.85 in/hr (15-min duration/ 100 yr MRI)
   Rain Load, R = 18.3 psf

   2.4 Wind Loads
   Basic Wind Speed V(ult) = 157 mph; V(asd) = 122 mph
   Tornado Wind Speed VT= 72 mph
   Wind Exposure C
   Internal Pressure Coefficient, GCpi = +/-0.18 (Enclosed Building)
   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 = 28,000 sf

   2.4.1 Component and Cladding Pressures: see S006

   2.4.2 Roof Top Equipment Pressures: 87 psf

   2.4.5 Solid Freestanding Walls & Solid Signs: 79 psf

   2.5 Earthquake Loads
   Seismic Importance Factor, I = 1.5
   Mapped Spectral Response Accelerations, Ss and S1 = 0.093 and 0.058
   Site Class: D
   Spectral Response Coefficients, Sds and Sd1 = 0.092 and 0.083
   Seismic Design Category: C
   Basic Seismic-Force-Resisting System: Ordinary Reinforced Masonry Shear Walls
   Design Base Shear: 22 kips
   Seismic Response Coefficient, Cs = 0.07
   Response Modification Factor, R = 2.0
   Analysis Procedure: Equivalent Lateral Force Procedure

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, window washing roof anchors, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.

GENERAL, CONTINUED

   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 the installation of post-installed anchors, through bolts, or other post-installed items in concrete. Existing reinforcement, including post-tensioning tendons, shall not be damaged during installation.

5. Existing and Unforeseen Conditions

   5.1 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.

   5.2 Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

   5.3 Existing dimensions, elevations, and other information shown in the Structural Drawings are based on the following Documents:

   "Lynn Haven FSER" by MBA Engineers, Inc. dated August 8, 2019

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.

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-fabricated Canopies
   Curtainwall/Window Wall Systems
   Guardrails/Handrails
   Slotted Channel Strut Framing (e.g. Unistrut)
   Seismic Anchorage and Bracing of MPE Components

FOUNDATION

1. Existing Geotechnical Report: prepared by S&ME
   S&ME Project No. 5271-17-134, Dated September 11, 2018

   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 and topsoil. Remove existing pavements, floor slabs, foundations, and utilities.

   2.2 Proofroll building areas with a minimum of two complete coverages of a loaded dump-truck or scraper in each of two perpendicular directions. Replace soft areas with compacted structural fill.

   2.3 After stripping and proofrolling and prior to fill placement, compact exposed soils to at least 95 percent of the modified Proctor (ASTM D1557) maximum dry density to a depth of at least 12 inches below the compacted surface with a minimum of eight complete overlapping coverages with the compaction equipment.

3. Soil Bearing Capacity: Isolated Footings 2000 psf
   Continuous Footings 2000 psf

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

2. Welded Wire Reinforcement (WWR): ASTM A1064, 8-in minimum side and end laps

3. Reinforcement Placement (UNO)

   3.1 Concrete Reinforcement Clear Cover

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

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

4. Reinforcement Splices

   4.1 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.

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

STRUCTURAL NOTES CONTINUED ON S002

STRUCTURAL INDEX

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S002	STRUCTURAL NOTES (cont.)
S003	STRUCTURAL NOTES (cont.)
S004	STRUCTURAL QUALITY ASSURANCE PLAN
S005	STRUCTURAL QUALITY ASSURANCE (cont.)
S006	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
S300	FRAMING SECTIONS AND DETAILS
S301	FRAMING SECTIONS AND DETAILS
S302	FRAMING SECTIONS AND DETAILS
S303	FRAMING SECTIONS AND DETAILS
S310	OWNER FURNISHED EQUIPMENT

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PROJECT # 225004.00
CLIENT #3092800026

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Jody K. Bomar
FL Registration #0090957

DATES OF ISSUANCE
06/09/2025
△

TITLE: STRUCTURAL NOTES

SHEET: S001

STRUCTURAL NOTES

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

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
Framed Slabs and 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 GROUTING

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 than 1.5-in.

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

CONCRETE MASONRY

1. Specified Compressive Strength, f'm = 2,000 psi
   Minimum Net Area Compressive Strength of Masonry Unit: 2,000 psi
   (ASTM C90 w/ Type M or S Mortar)

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

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

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

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

4. 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.

5. 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.

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

7. 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.

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

9. 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-in 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.

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.

STRUCTURAL NOTES CONTINUED ON S003

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 Ø	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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CLIENT #3092800026

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STATUS: CONSTRUCTION DOCUMENTS

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06/09/2025
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TITLE: STRUCTURAL NOTES (cont.)

SHEET: S002

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STRUCTURAL NOTES

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

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 the 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 (KH-EZ) (ICC-ES ESR-3027).
   Minimum Embedment = 6 times anchor diameter, UNO.

   3.3 Adhesive Anchors

      3.3.1 Adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation.

      3.3.2 Adhesive anchors identified in the drawings as installed in a horizontal or upwardly inclined orientation to resist sustained tensile loads shall be installed by certified installers.

      3.3.3 All-thread steel rods conforming to ASTM A36 or bolts conforming to ASTM A307, Grade A (both zinc plated in accordance with ASTM B633), or reinforcing bars conforming to ASTM A615, Grade 60.

      3.3.4 Adhesive for rebar and anchors shall have been tested in accordance with ACI 355.4 and ICC-ES AC308 for cracked concrete and seismic applications. Design bond strength has been based on CRACKED CONCRETE, ACI 355.4 temperature category B, and installations into dry holes drilled using a hammer drill into concrete that has cured for at least 21 days. Adhesive anchors shall be installed by a certified adhesive anchor installer PER ACI 318 17.8.2.2 where INDICATED on the contract documents. Installations requiring certified installers shall be inspected per ACI 318 17.8.2.4.

      3.3.5 Adhesive conforming to Simpson AT-3G (ICC-ES ESR-5026), Simpson SET-3G (ICC-ES ESR-4057), DeWalt/Powers Pure110+ (ICC-ES ESR-3298), DeWalt/Powers DeWalt AC200+ Adhesive (ICC-ES ESR-4027), Hilti HIT-HY 200 SafeSet Fast Cure Adhesive (ICC-ES ESR-3187), Hilti HIT-RE 500 V3 SafeSet Adhesive (ICC-ES ESR-3814).
      Minimum Embedment = 12 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 (HS-EZ) (ICC-ES ESR-3056).
   Minimum Embedment = 6 times anchor diameter, UNO.

   4.3 Adhesive Anchors: Adhesive conforming to Simpson SET-3G (ICC-ES ESR-4844), DeWalt/Powers AC100+ Gold (ICC-ES ESR-3200), Hilti HIT-HY 70 Fast Cure Adhesive (ICC-ES ESR-2682).
   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 and seismic 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. All "C" clamps shall have a retainer strap or similar restraint to prevent the clamp from working free during a seismic event.

   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.

3. Architectural, mechanical, and electrical components shall be properly anchored and braced to resist the seismic forces specified in the referenced Building Code. Refer to the architectural and MPE documents for specific details and additional information.

4. Suspended ducts, pipes, and conduits shall be braced in accordance with the ANSI/SMACNA 001-2008 Seismic Restraint Manual, 3rd Edition. Refer to the MPE documents for specific details and requirements.

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TITLE
STRUCTURAL NOTES (cont.)

SHEET
S003

STRUCTURAL QUALITY ASSURANCE PLAN

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 following elements are part of the Seismic-Force-Resisting (SFR) System. and require additional Special Inspections or Testing for Seismic Resistance:
   a. Shearwalls and their Foundations
   b. Roof Diaphragms
2. 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
3. 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	
6. Determine quantities of material removed and quantities of material placed where Unit Prices are involved.	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. Inspection of post-installed adhesive anchors and reinforcing steel installed in hardened concrete members: Verify adhesive type, anchor rod dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	C	ACI 318 17.8.2.4 Use of post installed anchors must be approved by Structural Engineer
5. 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

CONCRETE CONSTRUCTION (CONT.)	INSPECTION FREQUENCY	REFERENCED STANDARD
6. 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
7. Inspection of concrete conveying and placement for proper application techniques.	C	ACI 318 26.5 / IBC 1908.6-1908.8
8. Inspection for maintenance of specified curing temperature and techniques.	P	ACI 318 26.5.3-26.5.5 / IBC 1908.9
9. Inspection of formwork for shape, location, and dimensions of the concrete member being formed.	P	ACI 318 26.11.1.2(b)
10. 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 3-days, (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. Welder qualification records and continuity records	Obs.	
b. Welding procedure specifications (WPSs) available	Perf.	AWS D1.1/D1.1M 6.3
c. Manufacturer certifications for welding consumables available.	Perf.	AWS D1.1/D1.1M 6.2
d. Material identification (type/grade)	Obs.	AWS D1.1/D1.1M 6.2
e. 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)
f. Fit-up of groove welds (including joint geometry)	Obs.	AWS D1.1/D1.1M 6.5.2, 5.16
i. Joint preparation		
ii. Dimensions (alignment, root opening, root face, bevel)		AWS D1.1/D1.1M 6.5.2
iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.22
iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.14
v. Backing type and fit (if applicable)		AWS D1.1/D1.1M 5.17
g. Configuration and finish of access holes	Obs.	AWS D1.1/D1.1M 5.9.5, 5.21.1.1
h. Fit-up of CJP groove welds of HSS T-, Y-, and K-joints without backing	Obs.	
i. Joint preparation		AWS D1.1/D1.1M 6.5.2
ii. Dimensions (alignment, root opening, root face, bevel)		AWS D1.1/D1.1M 5.22
iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.15
iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.18
i. Fit-up of fillet welds	Obs.	
i. Dimensions (alignment, gaps at root)		AWS D1.1/D1.1M 5.21.1
ii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.14
iii. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.17
j. Check welding equipment	Obs.	Only required for shop Fabrication.
4. Visual Inspection Tasks During Welding		AISC 360-16 Table N5.4-2
a. Control and handling of welding consumables	Obs.	
i. Packaging		AWS D1.1/D1.1M 5.3.1
ii. Exposure control		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	Obs.	
i. Wind speed within limits		AWS D1.1/D1.1M 5.11.1
ii. Precipitation and temperature		AWS D1.1/D1.1M 5.11.2
d. WPS followed	Obs.	AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.20
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)		AWS D1.1/D1.1M 5.6, 5.7
e. Welding techniques	Obs.	AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.23
i. Interpass and final cleaning		
ii. Each pass within profile limitations		AWS D1.1/D1.1M 5.29.1
iii. Each pass meets quality requirements		
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	Perf.	AWS D1.1/D1.1M 6.5.3
i. Crack prohibition		AWS D1.1/D1.1M Table 6.1(1)
ii. Weld/base-metal fusion		AWS D1.1/D1.1M Table 6.1(2)
iii. Crater cross section		AWS D1.1/D1.1M Table 6.1(3)
iv. Weld profiles		AWS D1.1/D1.1M Table 6.1(4), 5.24
v. Weld size		AWS D1.1/D1.1M Table 6.1(6)
vi. Undercut		AWS D1.1/D1.1M Table 6.1(7)
vii. Porosity		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

STRUCTURAL QUALITY ASSURANCE PLAN CONTINUED ON S005

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06/09/25

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DATES OF ISSUANCE
06/09/2025
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TITLE
STRUCTURAL QUALITY ASSURANCE PLAN

SHEET
S004

STRUCTURAL QUALITY ASSURANCE PLAN

STRUCTURAL STEEL (CONT.)	INSPECTION FREQUENCY	REFERENCED STANDARD
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.	

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- or seismic force-resisting system or a wind- or seismic-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.
         1. For SFR Systems, submit mill test reports for each shipment of reinforcement.
      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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TITLE: STRUCTURAL QUALITY ASSURANCE (cont.)

SHEET S005

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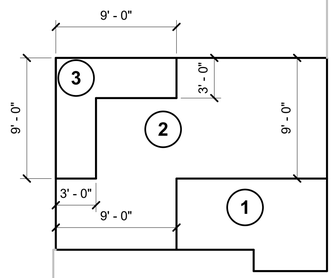
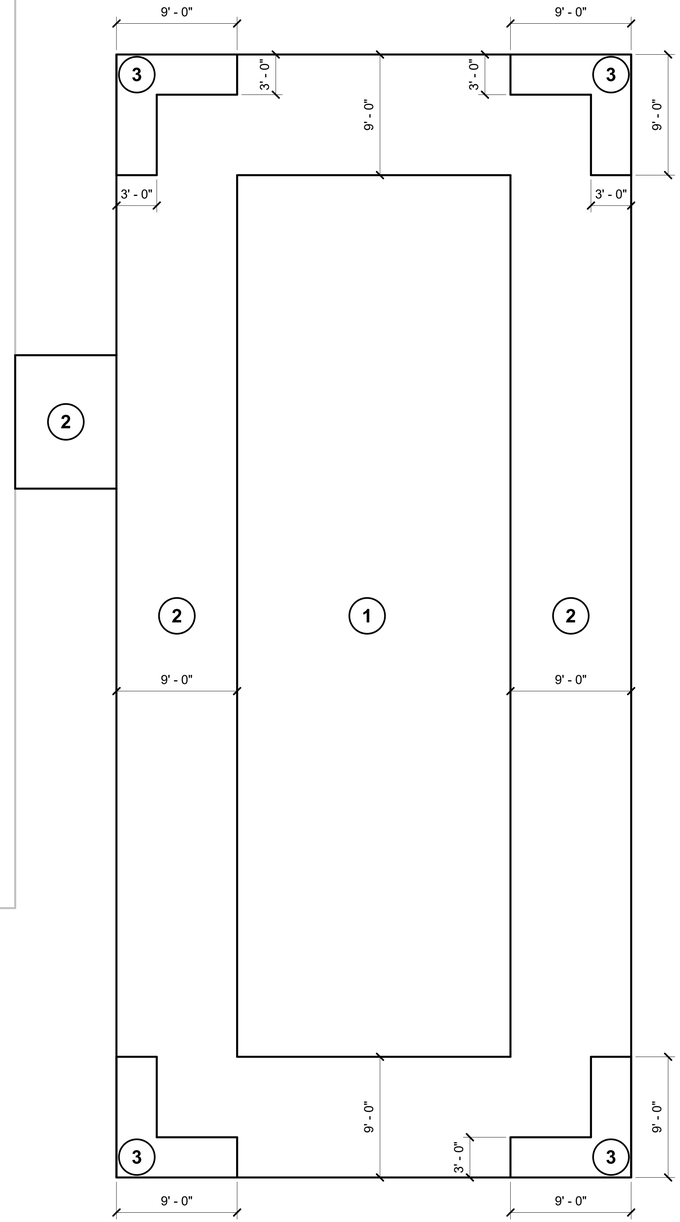
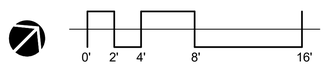




1 ROOF ZONE DIAGRAM
SCALE: 3/16" = 1'-0"



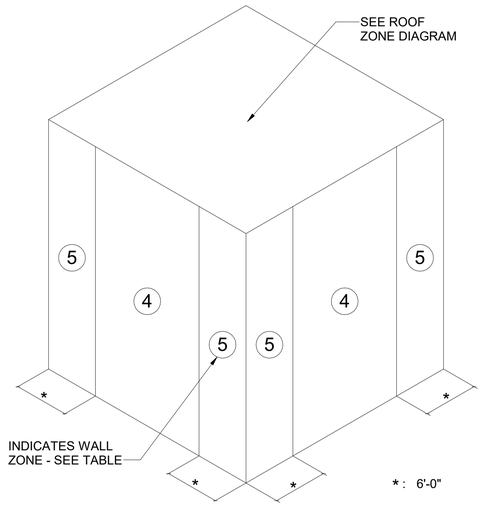
WIND PRESSURE DIAGRAM NOTES

1. DESIGN WIND PRESSURES WERE CALCULATED IN ACCORDANCE WITH ASCE 7-22 BASED ON AN EFFECTIVE WIND AREA.
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.
4. WHERE PARAPET HEIGHT EXCEEDS 3'-0", CORNER ZONES (ZONE 3) MAY BE TREATED AS PERIMETER ZONES (ZONE 2).

PARAPET WALL PRESSURES		
AREA (SQ. FT)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	+/- 154	+/- 197
20	+/- 144	+/- 180
50	+/- 131	+/- 156
100	+/- 121	+/- 139
200	+/- 111	+/- 121
≥500	+/- 98	+/- 98

EXTERIOR WALL PRESSURES		
AREA (SQ. FT)	ZONE 4 (PSF)	ZONE 5 (PSF)
10	+49 / -54	+49 / -66
20	+47 / -51	+47 / -62
50	+44 / -48	+44 / -56
100	+42 / -46	+42 / -51
200	+40 / -44	+40 / -47
≥500	+37 / -41	+37 / -41

ROOF UPLIFT PRESSURES			
AREA (SQ. FT)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	-86	-113	154
20	-80	-106	-140
50	-73	-96	-121
100	-67	-89	-106
200	-62	-82	-92
≥500	-54	-72	-72



WALL ZONE DIAGRAM

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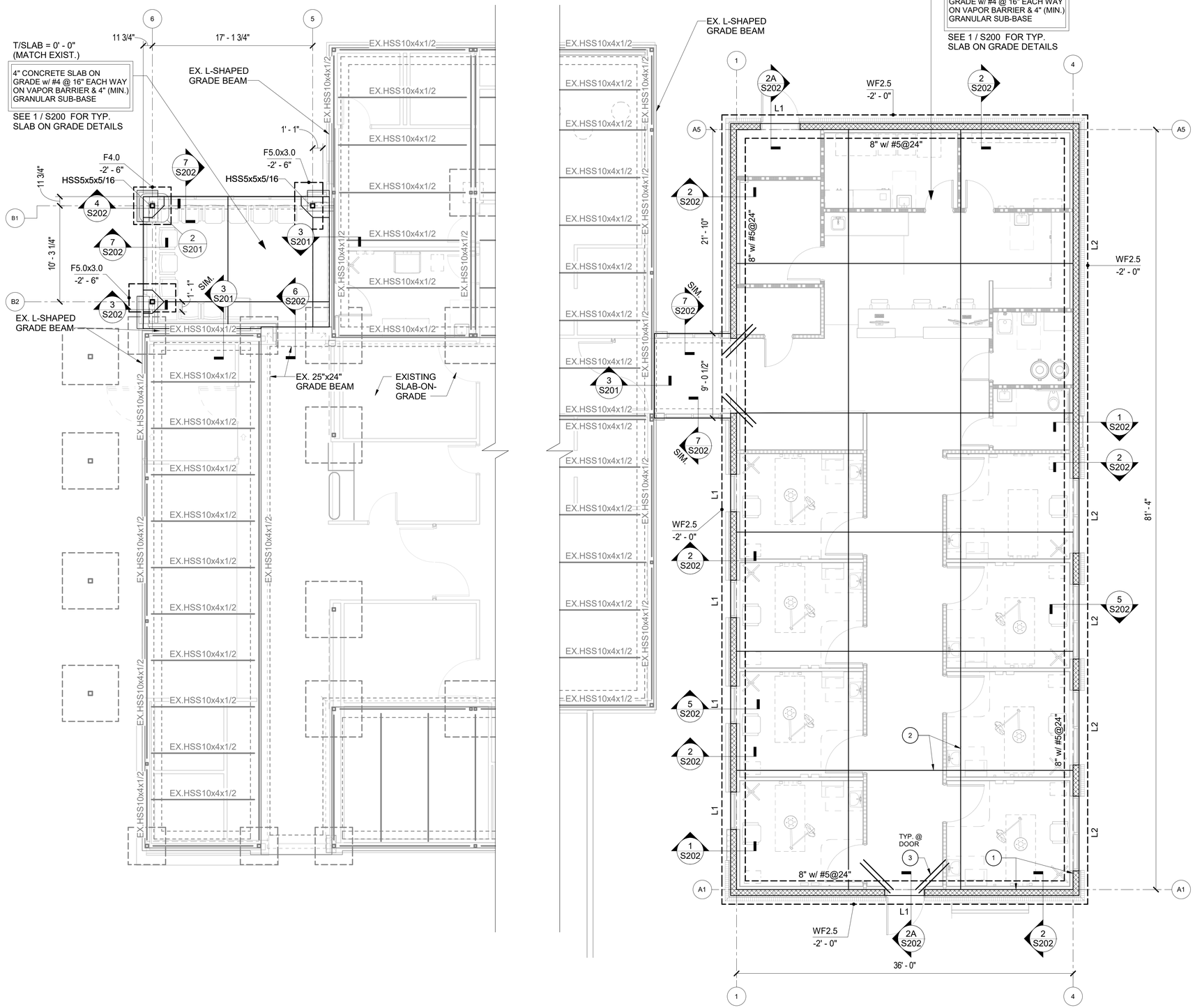
TITLE
WIND PRESSURE DIAGRAMS

SHEET
S006



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

FOUNDATION GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING BUILDING PRIOR TO BEGINNING CONSTRUCTION OR FABRICATION.
2. 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.
3. WALLS SHOWN ON PLAN WITHOUT REINFORCING INDICATED TO HAVE MINIMUM REINFORCING AS SHOWN IN THE TYPICAL CMU WALL REINFORCING DETAIL.
4. LINTELS ABOVE DOOR AND WINDOW OPENINGS ARE SHOWN ON PLANS. "LX" - SEE CMU LINTEL SCHEDULE 2/S204 FOR SIZE AND REINFORCING.
5. 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 ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK JOINTS. SEE 1/S203 AND 1/S204.
6. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION ARE TO BEGIN. FOR DIMENSIONS NOT SHOWN - SEE ARCHITECTURAL DRAWINGS.
7. DO NOT LOCATE PLUMBING LINES WITHIN CONCRETE FOOTINGS.
8. SEE 1/S201 FOR COLUMN BASE PLATE AND ANCHOR ROD SCHEDULE.

FOUNDATION PLAN NOTES

#	
1	ISOLATION JOINT AT F/WALL, TYP.
2	CONSTRUCTION / CONTRACTION JOINT - SEE 1A/S200 & 1B/S200.
3	ADDITIONAL SLAB REINFORCING - SEE 4/S200.

WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT		REMARKS
	WIDTH & DEPTH	CONTINUOUS	TRANSVERSE	
WF2.5	2' - 6" x 1' - 4"	3 - #5	#4@16"	-

COLUMN FOOTING SCHEDULE

MARK	SIZE	BOTTOM REINF. EACH WAY (UNO)	TOP REINF. EACH WAY (UNO)	REMARKS
F4.0	4' - 0" x 4' - 0" x 1' - 4"	4 - #6	-	-
F5.0x3.0	5' - 0" x 3' - 0" x 1' - 9"	#6 @ 12" EW	-	-

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TITLE: FOUNDATION PLAN

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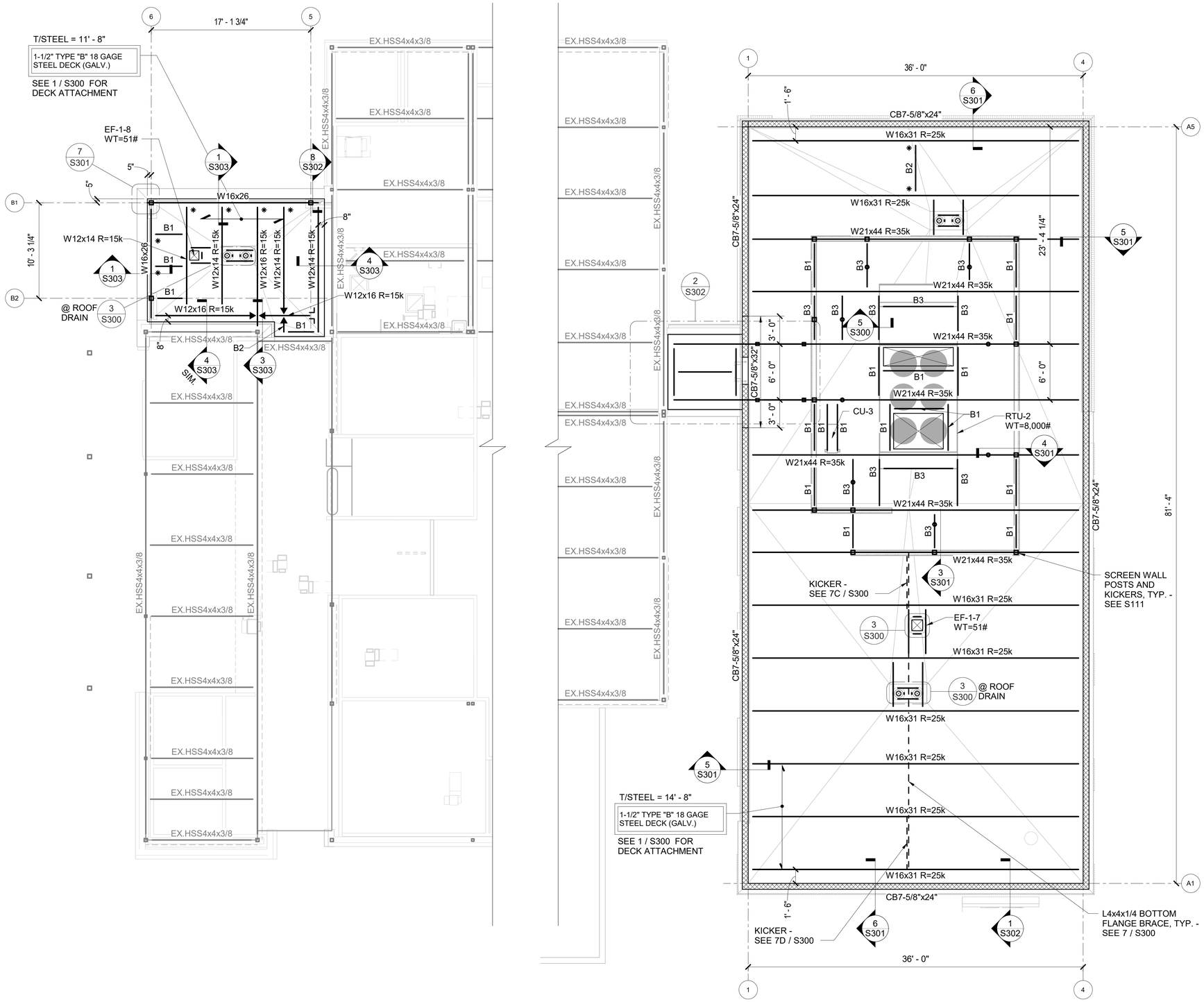

1 ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"

NOTES

1. SEE FOUNDATION & ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. ALL EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED. SEE SPECS AND STRUCTURAL NOTES.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING BUILDING PRIOR TO BEGINNING CONSTRUCTION OR FABRICATION.
4. CONTRACTOR SHALL COORDINATE ROOF TOP UNIT LOCATIONS AND OPENINGS WITH MECHANICAL DRAWINGS AND FINAL UNIT SELECTION.
5. PROVIDED 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.
6. SEE STRUCTURAL NOTES FOR ANCHORAGE OF ROOFTOP STRUCTURE.
7. EXISTING STRUCTURE IS SHOWN "SCREENED."
8. BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, U.N.O.
9. —⋈— INDICATES WELD THRU. SEE 4 / S300 FOR TYPICAL WELD THRU DETAILS.
10. ✱ INDICATES FULL DEPTH STIFFENER PLATE CONNECTION, SEE 6 / S300.
11. SEE S310 FOR OWNER FURNISHED EQUIPMENT SUPPORT DETAILS.

BEAM MARK LEGEND

BEAM SIZE
W16x26 R=30k/A=20k [C=1"]
CAMBER
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 = W12x14 R=18k
B3 = W12x26 R=20k

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JODY KRISTOFER BOMAR LICENSE 90957 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/09/25

Structural Design Group, Inc.
Certification #008380
Jody K. Bomar
FL Registration #0090957

DATES OF ISSUANCE
06/09/2025

TITLE ROOF FRAMING PLAN

SHEET S110

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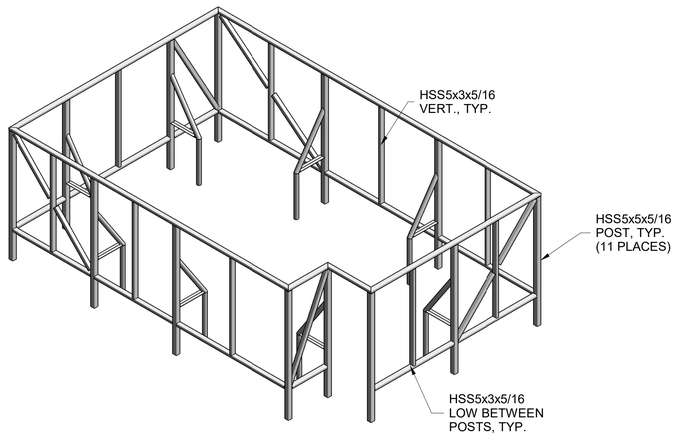
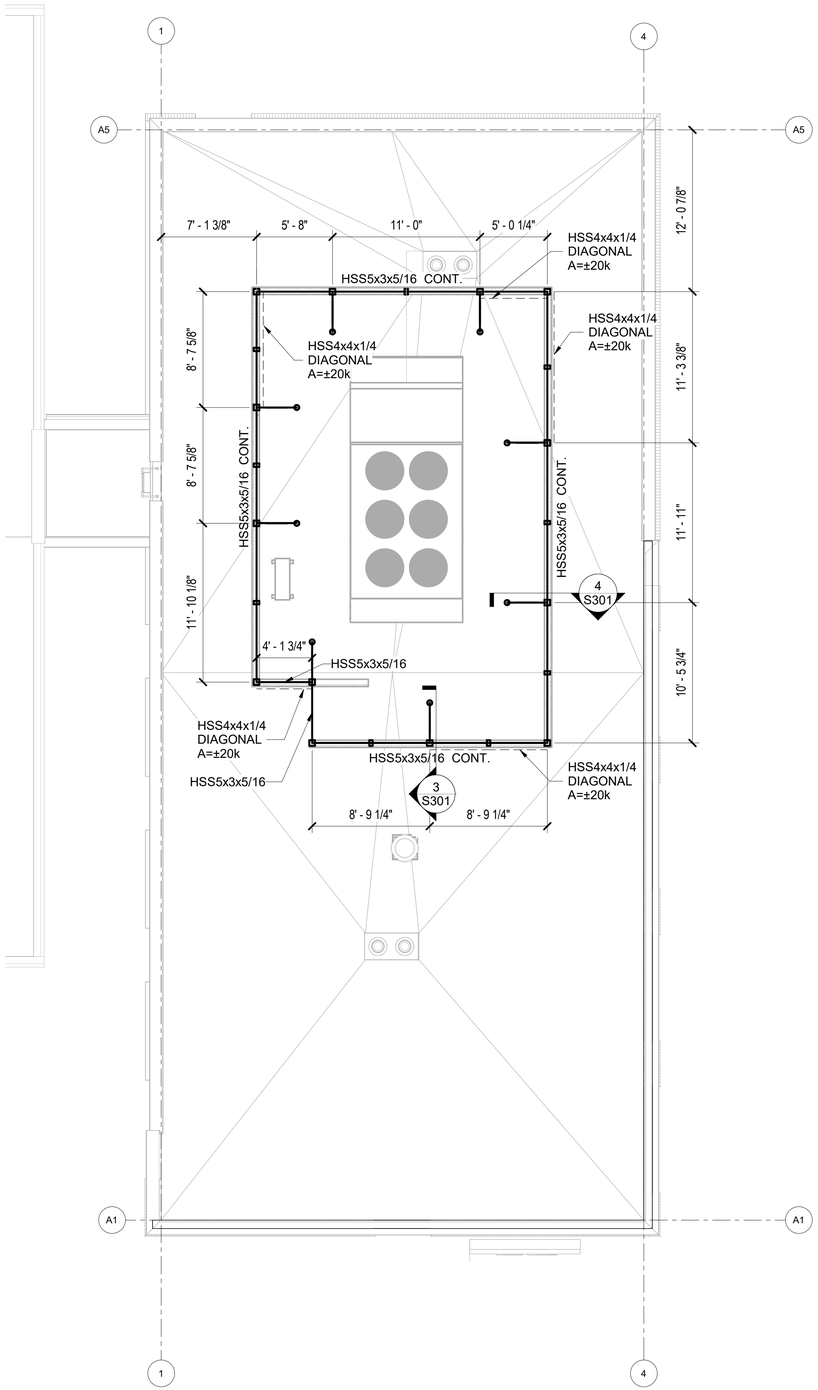


2 SCREEN WALL - 3D VIEW
SCALE:



1 SCREEN WALL FRAMING PLAN
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

NOTES

1. COORDINATE ALL T/STEEL ELEVATIONS AT SCREEN WALL WITH ARCHITECTURAL DRAWINGS.
2. PROVIDE 1/4" CLOSURE PLATES AT ALL EXPOSED HSS TUBES.
3. EXPOSED STEEL TO BE HOT DIPPED GALVANIZED. SEE SPECS AND GENERAL NOTES.
4. 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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PROJECT # 225004.00
CLIENT #3092800026

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HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

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TITLE
SCREEN WALL FRAMING PLAN

SHEET
S111

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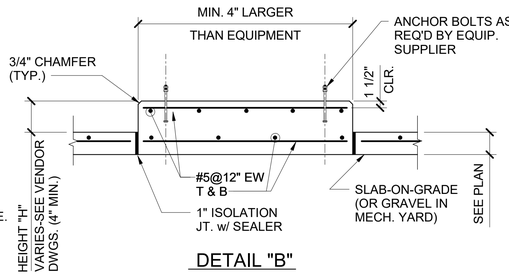
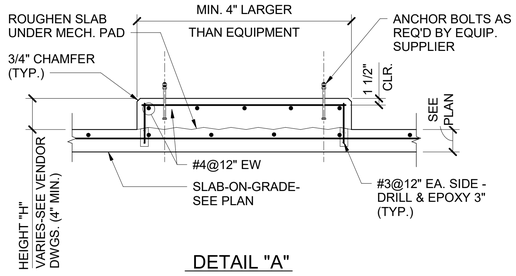
NOTE:

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).

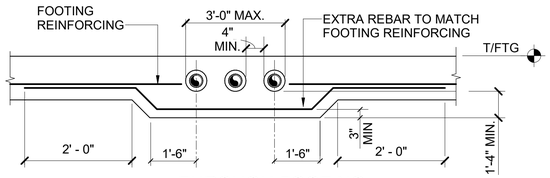


DETAIL "B"

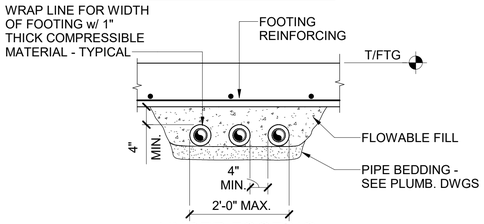


DETAIL "A"

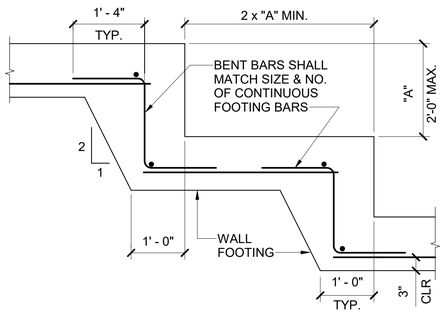
3 EQUIPMENT PAD DETAILS AT SLAB-ON-GRADE



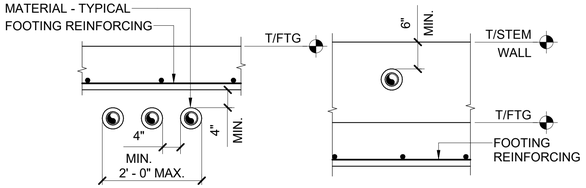
THROUGH FOOTING



UNDER FOOTING
(PIPES PLACED AFTER FOOTING)

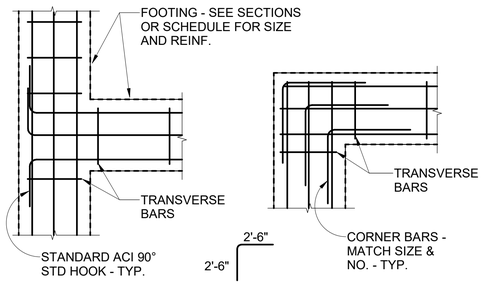


2C STEP FOOTING DETAIL



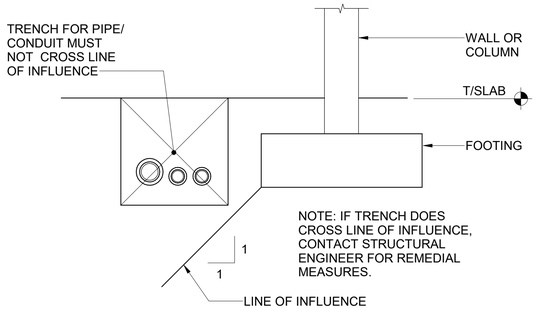
UNDER FOOTING
(PIPES PLACE PRIOR TO FOOTING)

THRU STEM WALL

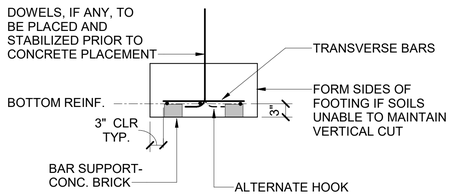


2B FOOTING CORNER REINFORCEMENT

2E PIPE/CONDUIT LINES PERPENDICULAR TO FOOTING STEM WALL

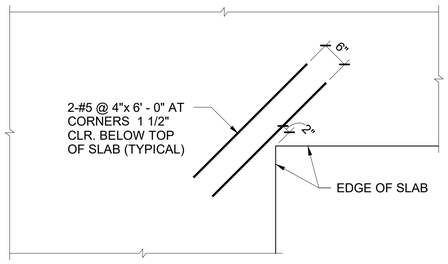


2D PIPE/CONDUIT TRENCH PARALLEL TO FOOTING

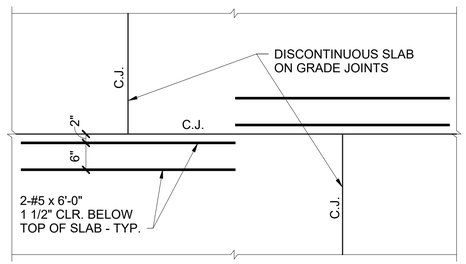


2A TYPICAL CONTINUOUS FOOTING DETAIL

2 TYPICAL CONTINUOUS FOOTING DETAILS

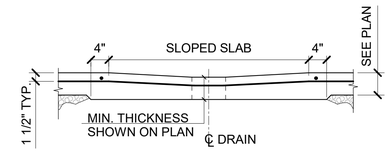


AT RE-ENTRANT CORNERS

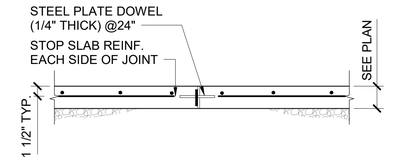


DISCONTINUOUS JOINTS

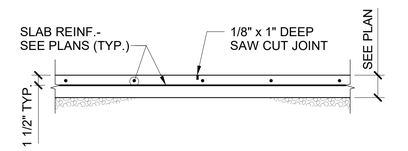
4 TYPICAL ADDITIONAL SLAB REINFORCING



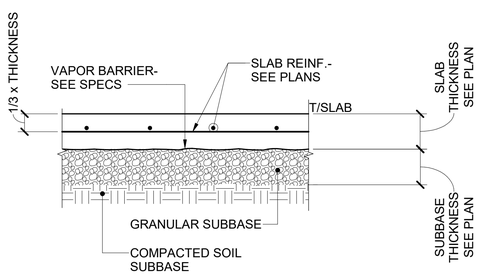
1C SLOPED SLAB AT FLOOR DRAIN



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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SHEET 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.

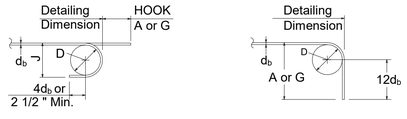
Top bars are horizontal reinforcement with more than 12" of fresh concrete placed below the splice.

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.

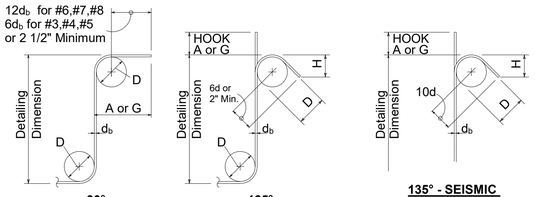
Tension couplers may be used and installed in accordance with manufacturer's recommendations and shall be capable of developing 125% of the reinforcing steel ASTM specified minimum yield strength.

STANDARD END HOOK DIMENSIONS

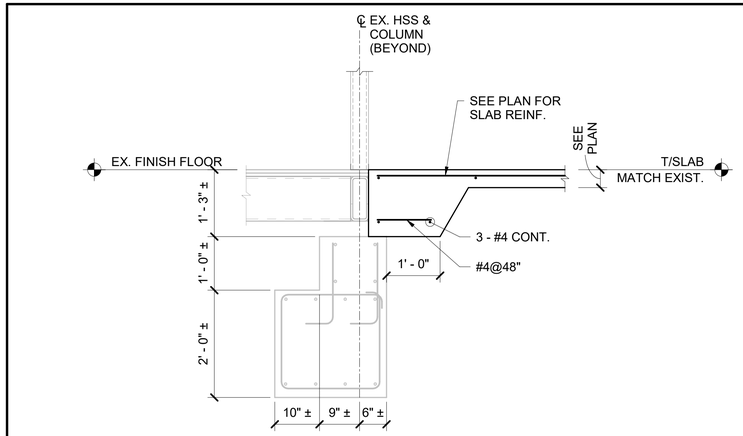


BAR SIZE	D	180° HOOK		90° HOOK A or G
		A or G	J	
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	1'-0"
#7	5 1/4"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9 1/2"	1'-3"	11 3/4"	1'-7"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"
#11	12"	1'-7"	1'-2 3/4"	2'-0
#14	18 1/4"	2'-3"	1'-9 3/4"	2'-7"
#18	24"	3'-0"	2'-4 1/2"	3'-5"

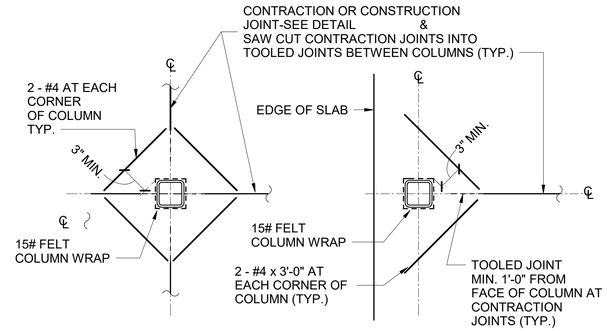
STANDARD STIRRUP AND TIE HOOK DIMENSIONS



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"

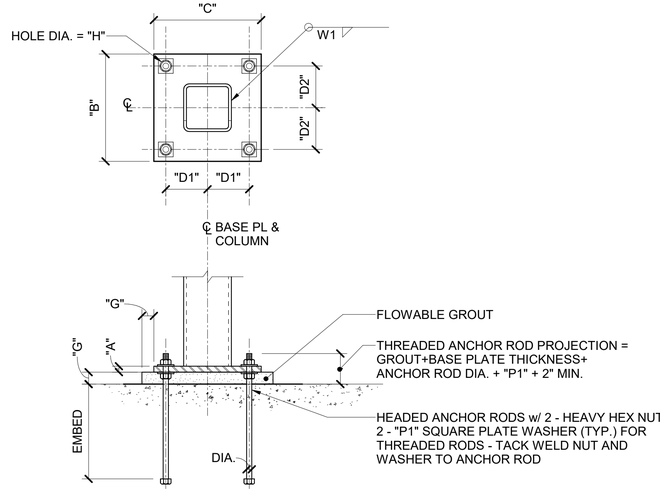


3 SECTION AT EXISTING



2 TYPICAL ISOLATION JOINT DETAILS AT "HSS" STEEL COLUMNS

COLUMN SIZE	BASE PLATE						ANCHOR RODS			GROUT	WELD	P1
	A	B	C	D1	D2	H	No.	DIA.	EMBED.	G	W1	
HSS5x5	1 1/2"	14"	14"	5"	5"	1 7/8"	4	1"	12"	2"	1/4"	3/8"x3"x3"



1 BASE PLATE & ANCHOR ROD SCHEDULE

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TITLE: FOUNDATION SECTIONS AND DETAILS

SHEET: S201

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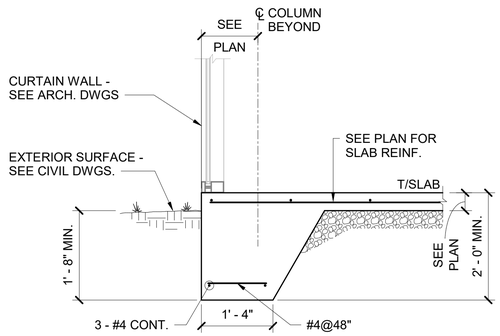
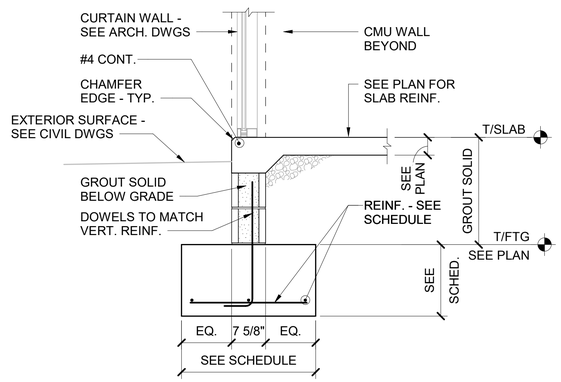
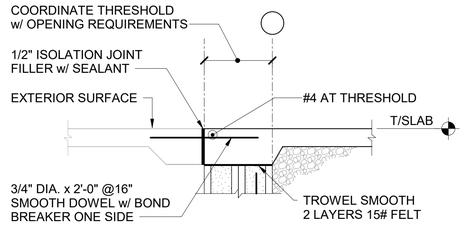


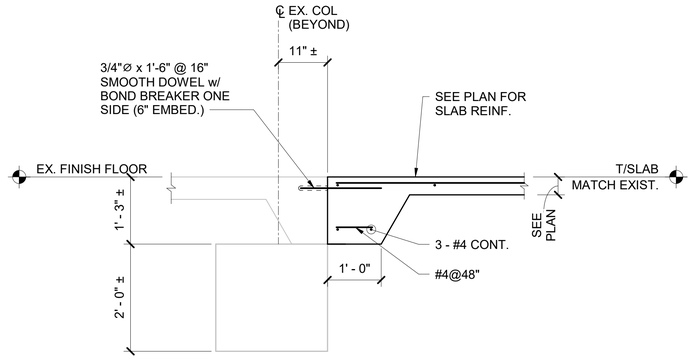
7 SECTION AT TURNDOWN SLAB



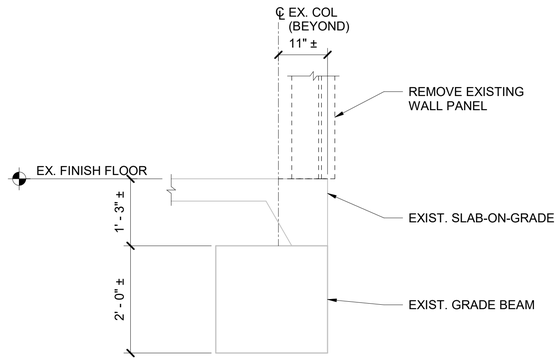
5 SECTION



2A AT DOOR

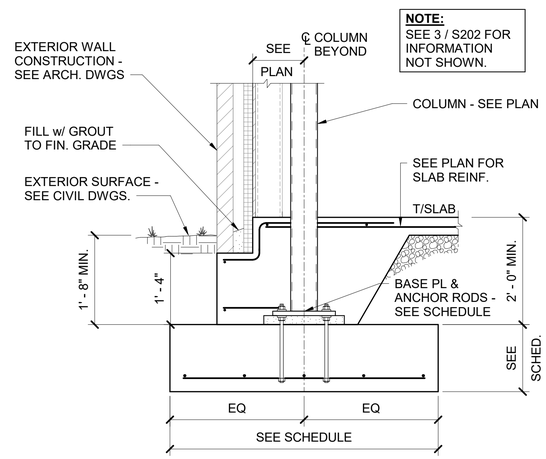


NEW CONSTRUCTION



DEMOLITION

6 SECTION AT EXISTING



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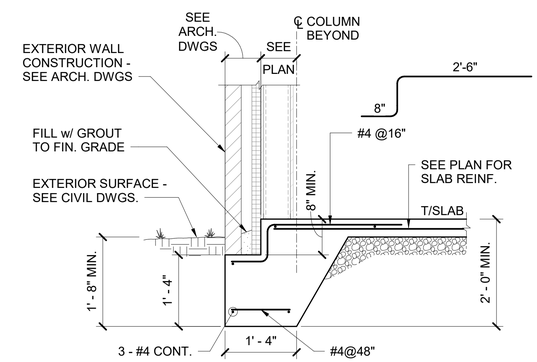

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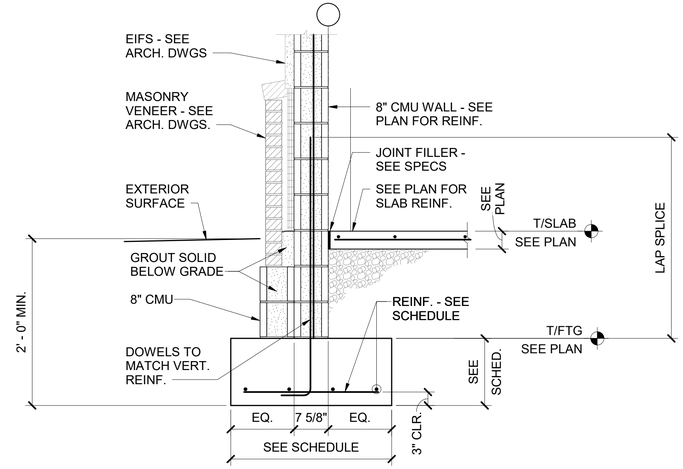
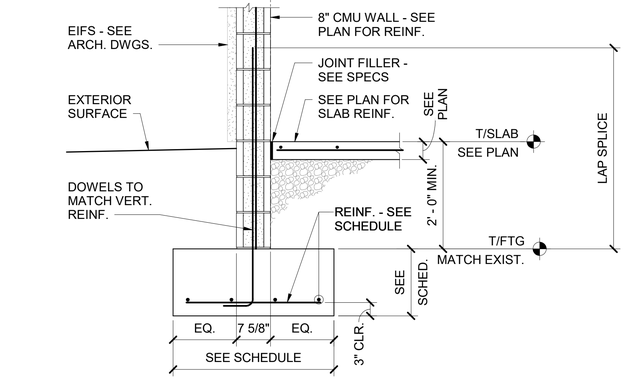


2 SECTION AT EXTERIOR



1 SECTION AT EXTERIOR

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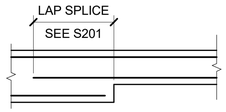
Jody K. Bomar
FL Registration #0090957

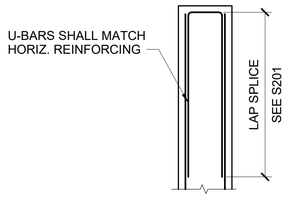
DATES OF ISSUANCE
06/09/2025

TITLE
FOUNDATION SECTIONS AND DETAILS

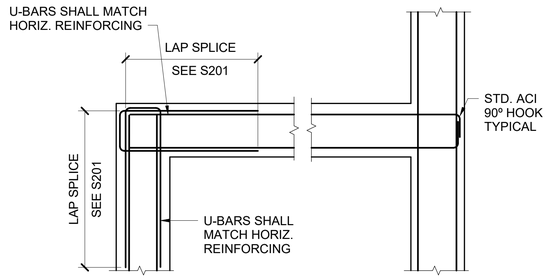
SHEET
S202



AT TRANSITIONS



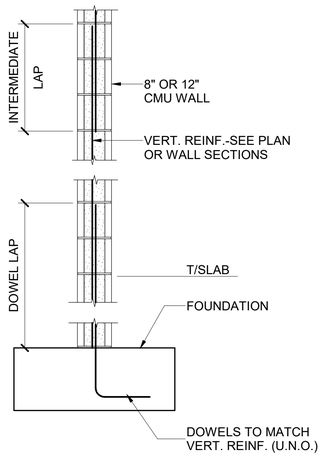
AT END OF WALLS



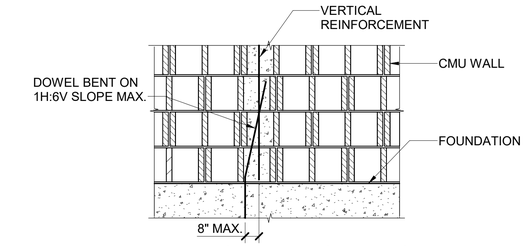
AT CORNERS AT INTERSECTIONS

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)			

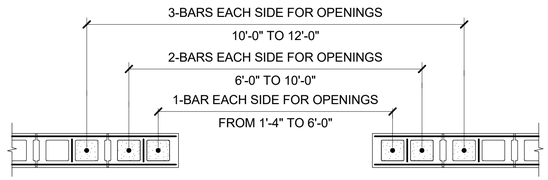


5 CMU REINFORCEMENT LAP SPLICE SCHEDULE



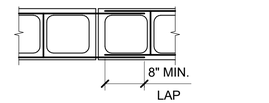
ELEVATION VIEW TOLERANCE

4 DOWEL-PERMITTED BENDING DETAIL

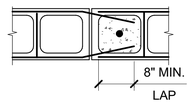


SEE PLAN OR SECTIONS FOR VERTICAL WALL REINFORCEMENT

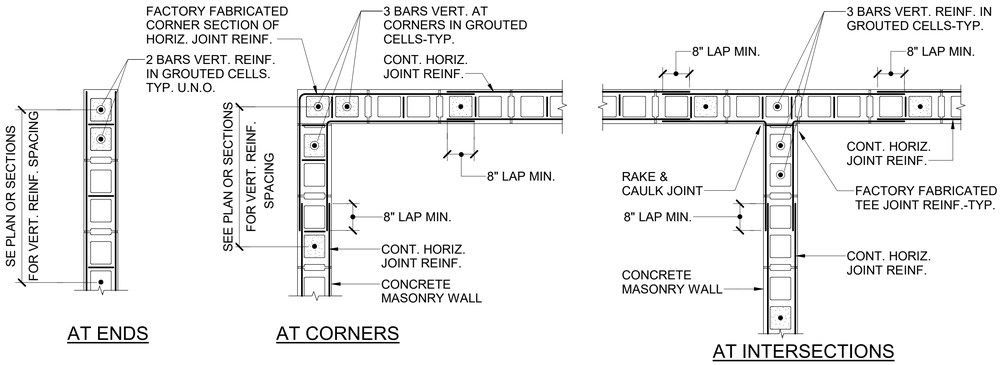
3 CMU WALL OPENING DETAIL



MORTAR EMBEDMENT



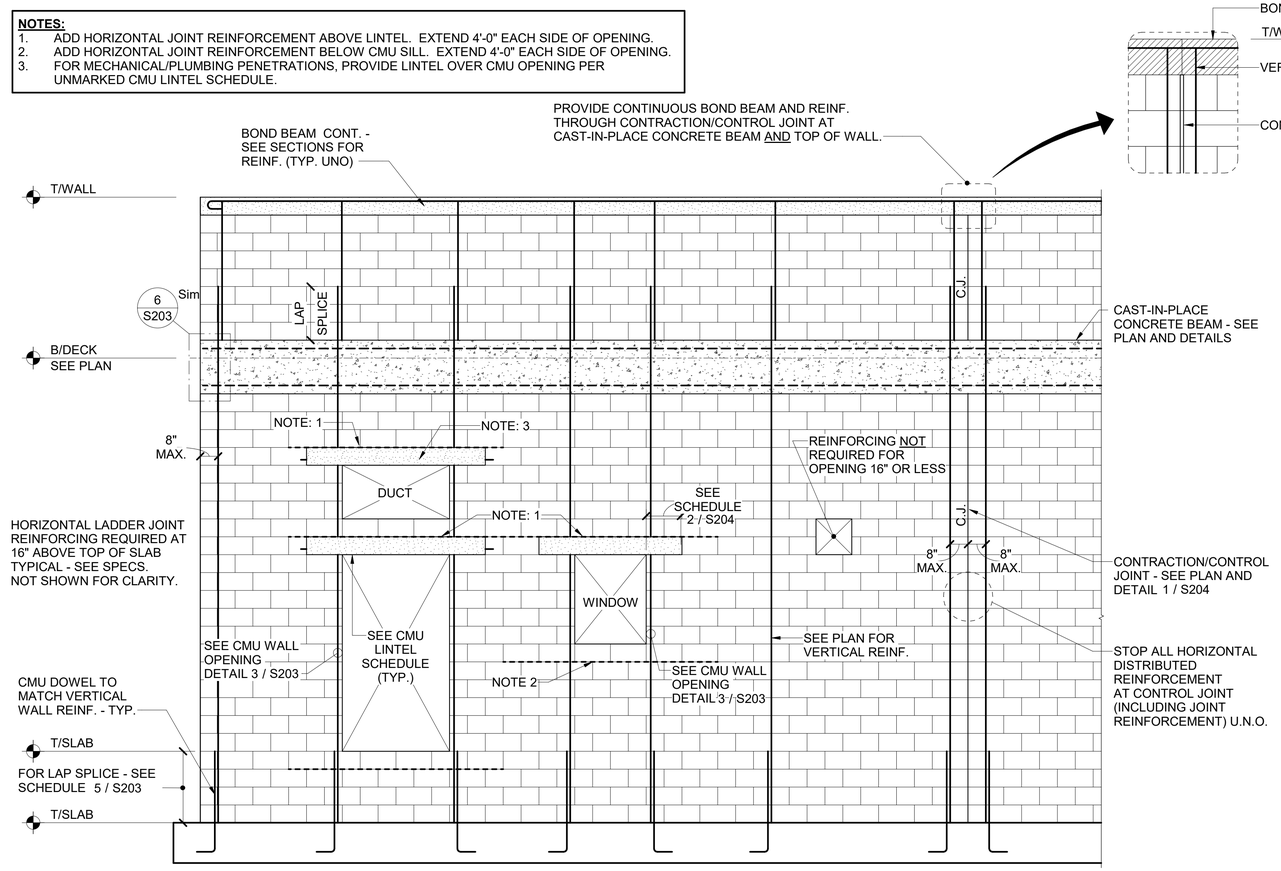
GROUT EMBEDMENT



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

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Jody K. Bomar
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SHEET TITLE MASONRY SECTIONS AND DETAILS

SHEET S203

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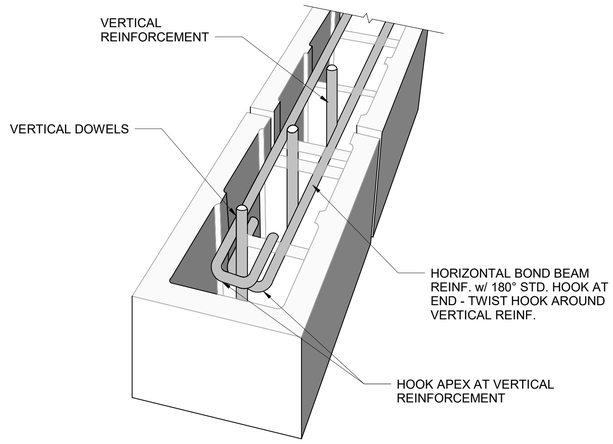


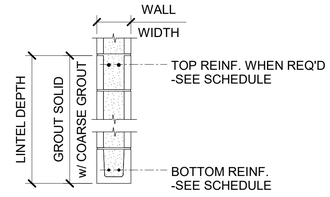
4 BOND BEAM HOOK REINFORCING DETAIL

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.

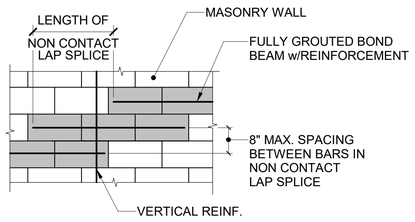
MARKED "LX" CMU LINTEL SCHEDULE					
MARK	WALL THICK'S	LINTEL DEPTH	REINFORCEMENT		
			BOTTOM	TOP	BEARING END LENGTH
L1	8	8	2-#5	-	24"
L2	8	16	2-#5	-	24"

NOTE:
1. FILL CMU CORES AT LINTEL BEARING w/ 2500 psi COARSE GROUT. REINFORCE JAMBS w/ FULL HEIGHT REINFORCING PER CMU WALL OPENING DETAIL.

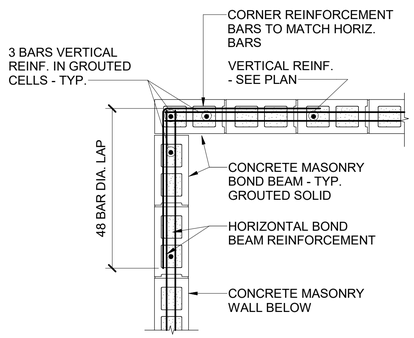


SECTION

2 CMU LINTEL SCHEDULES AND DETAILS



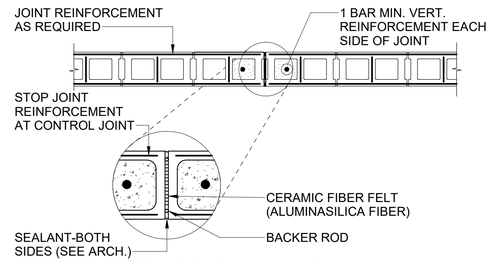
STEPPED BOND BEAM
IF NEEDED



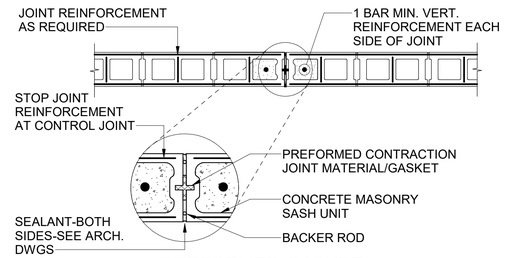
AT CORNERS

3 CMU BOND BEAM DETAILS

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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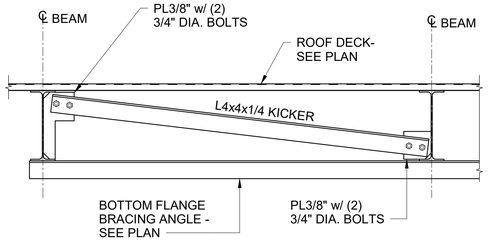
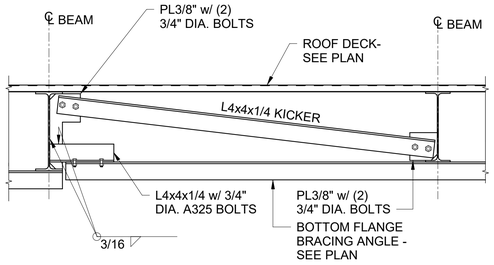
TITLE: MASONRY SECTIONS AND DETAILS

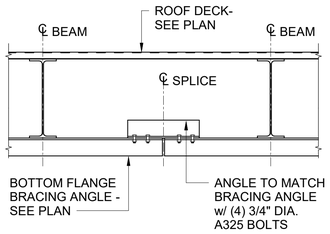
SHEET: S204



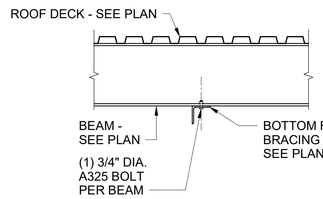
7D CONDITION AT END



7C CONDITION AT END WITH UNEQUAL BEAM DEPTHS

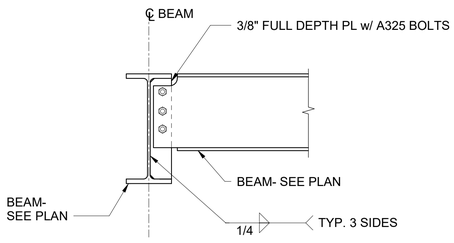


7B BOTTOM FLANGE SPLICING DETAIL

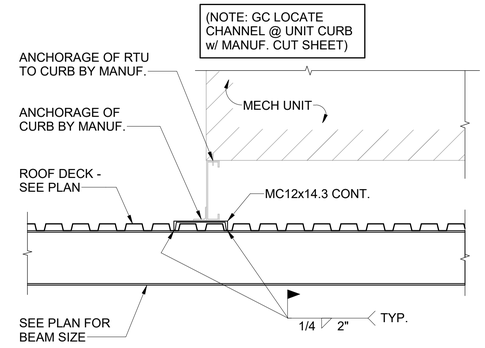


7A ANGLE TO BEAM FLANGE CONN.

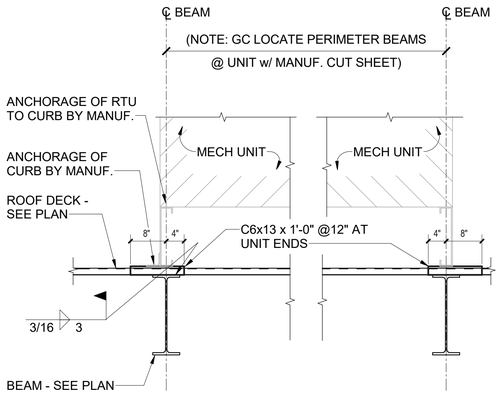
7 BOTTOM FLANGE BRACING



6 BEAM BRACING CONNECTION

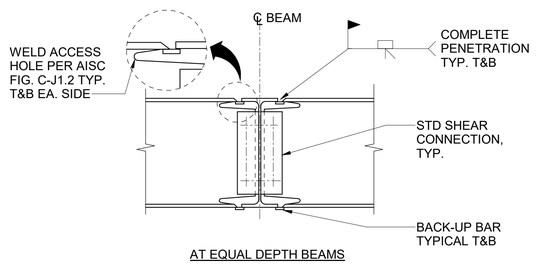


5B SECTION ALONG ROOFTOP UNIT

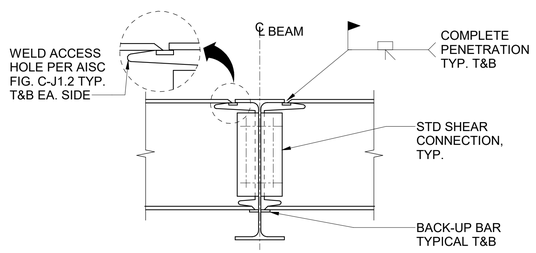


5A SECTION AT ENDS

5 SECTION AT ROOFTOP UNIT

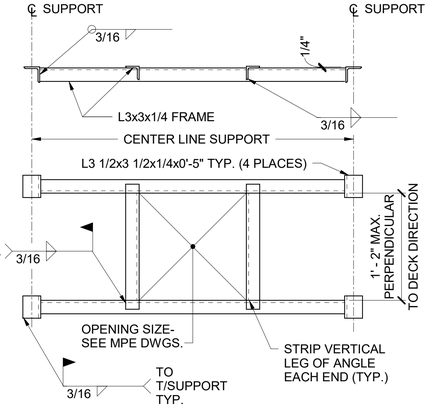


AT EQUAL DEPTH BEAMS

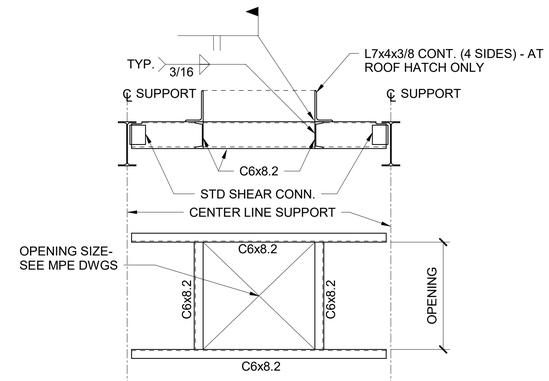


AT UNEQUAL DEPTH BEAMS

4 TYPICAL WELD THRU DETAILS



3 TYPICAL ROOF OPENING FRAME FOR OPENINGS UP TO 14" AS NOTED

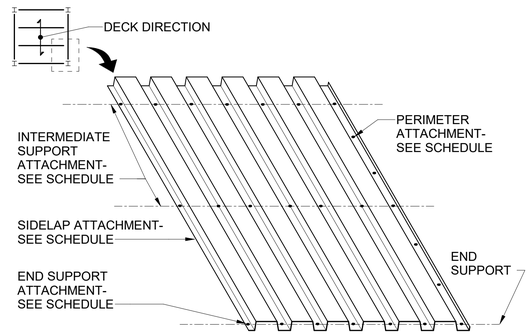


2 CHANNEL ROOF OPENING FRAME

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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TITLE FRAMING SECTIONS AND DETAILS

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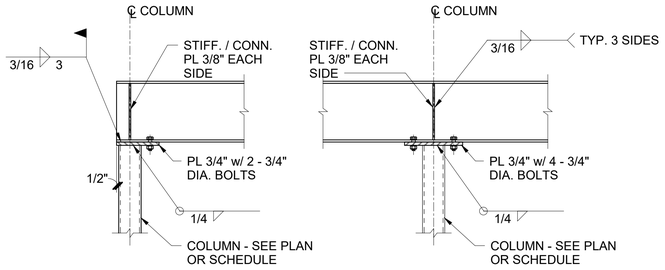
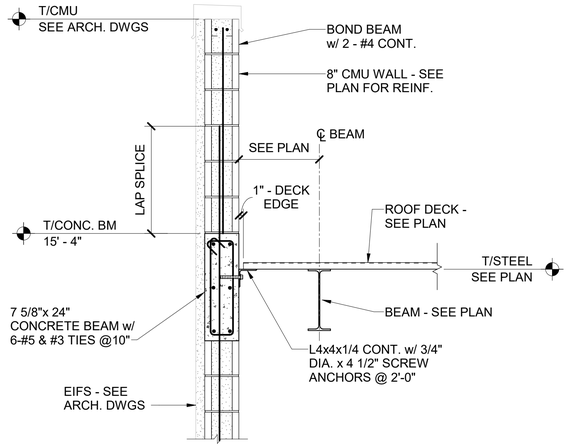
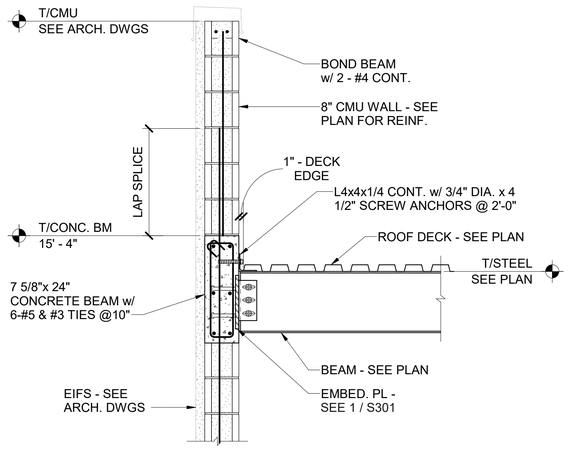


AT END COLUMN AT INTERMEDIATE COLUMN

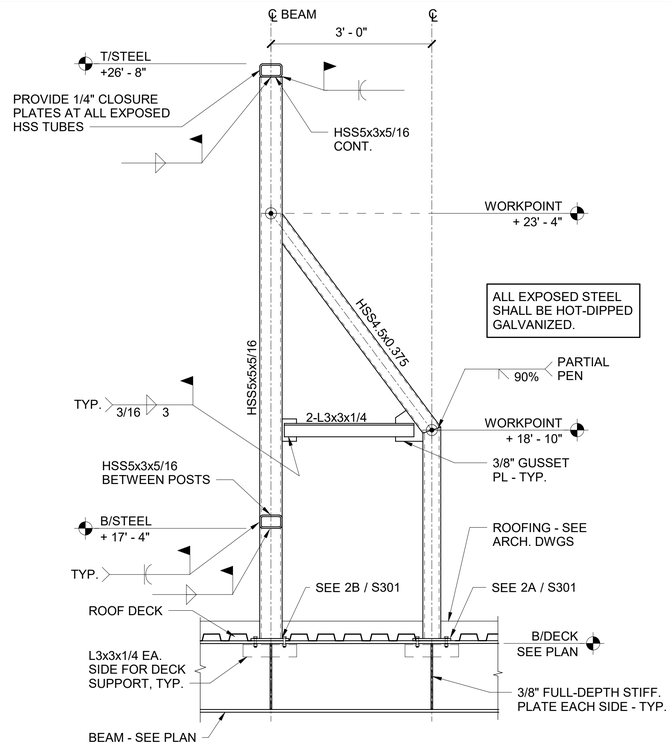
7 BEAM TO HSS COLUMN CONNECTION FOR CONTINUOUS BEAMS



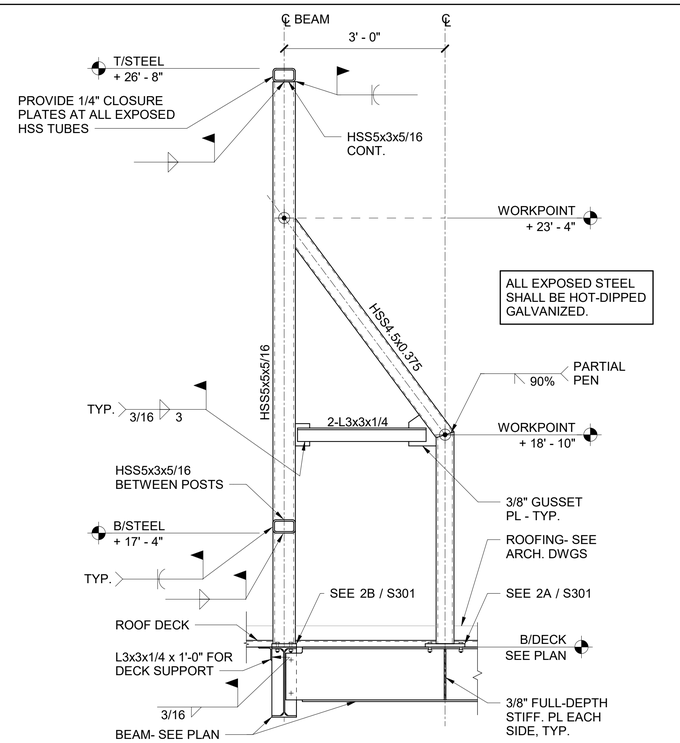
6 SECTION



5 SECTION



4 SECTION AT SCREEN WALL



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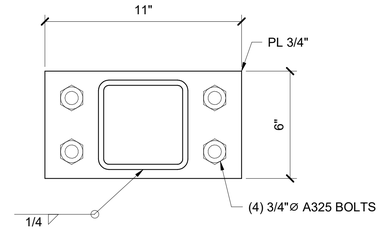
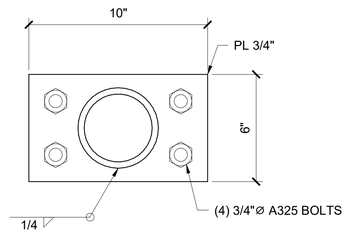
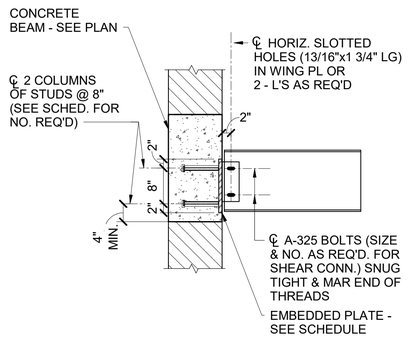


2B PLATE AT SQUARE HSS



2A PLATE AT ROUND HSS

2 DETAIL AT SCREEN WALL PLATE



SCHEDULE		
CMU WALL	NO. & SIZE OF ANCH'S	PLATE SIZE
8"	4 - 3 /4" DIA.x6"	3/4" x 12"
12"	4 - 3 /4" DIA.x8"	3/4" x 12"

1 STEEL BEAM TO CONCRETE CONNECTION

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CLIENT #3092800026

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HCA Florida Gulf Coast Hospital
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JODY KRISTOFER BOMAR LICENSE 90957 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/09/25

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

DATES OF ISSUANCE
06/09/2025

TITLE FRAMING SECTIONS AND DETAILS

SHEET S301

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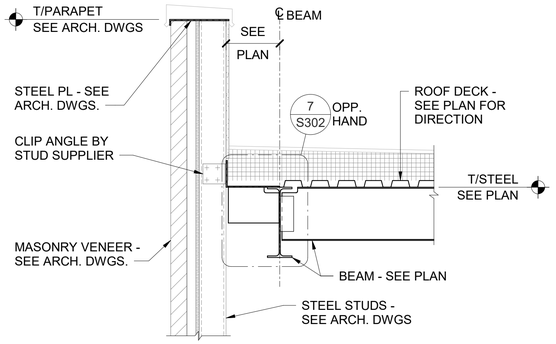
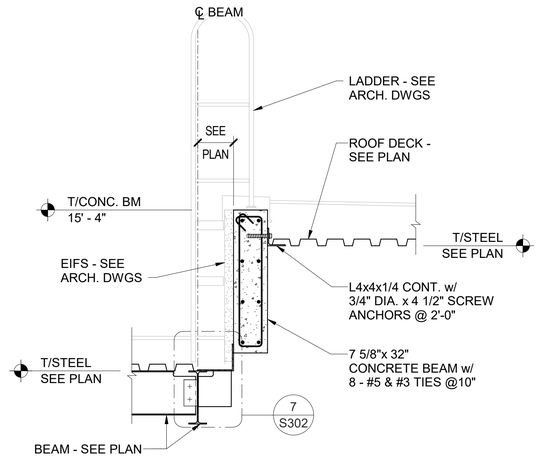
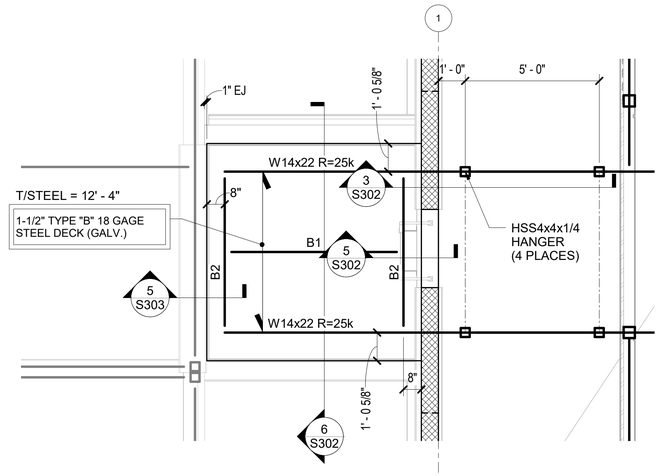


8 SECTION AT ROOF AT FULL HEIGHT BRICK

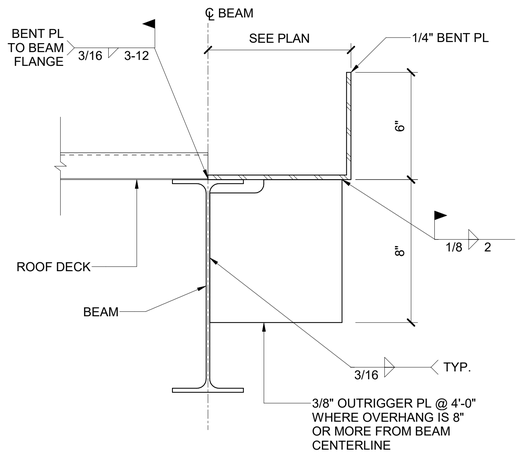


5 SECTION AT HANGER

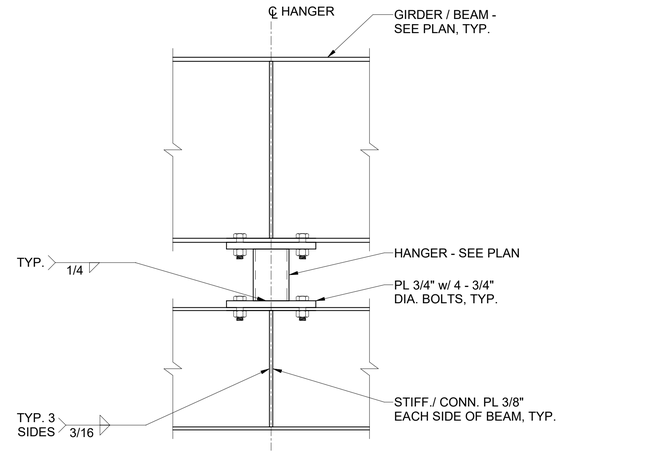


2 CONNECTOR - ENLARGED FRAMING PLAN

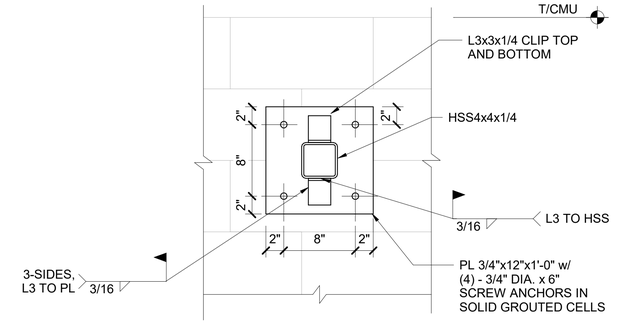
3/8" = 1'-0"



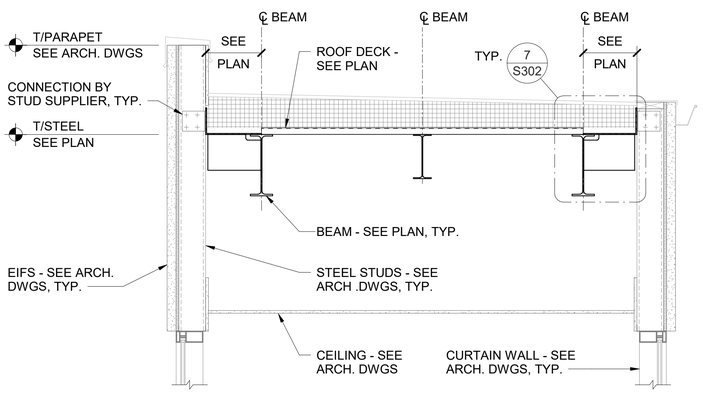
7 DETAIL AT BENT PLATE



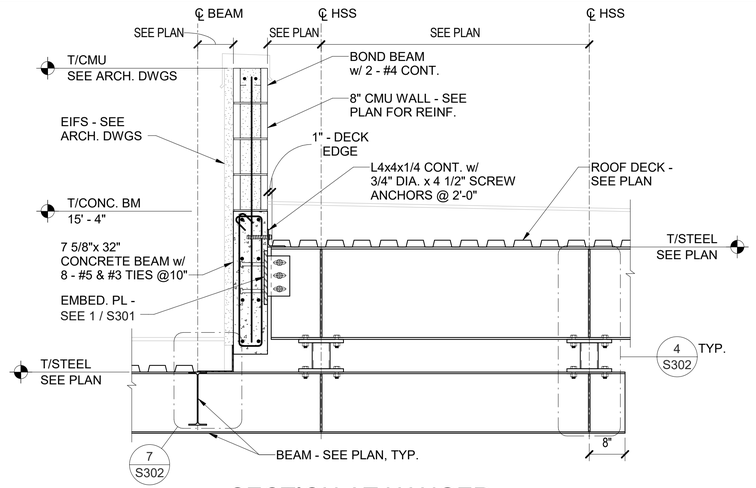
4 DETAIL AT HANGER CONNECTION



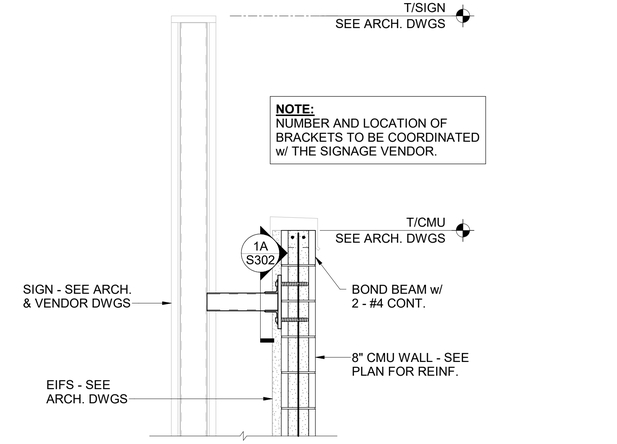
1A DETAIL AT WALL CONNECTION



6 SECTION AT CONNECTOR ROOF



3 SECTION AT HANGER



1 SECTION AT SIGN

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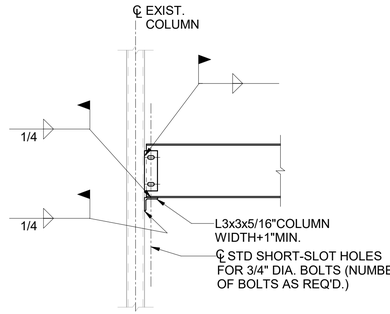
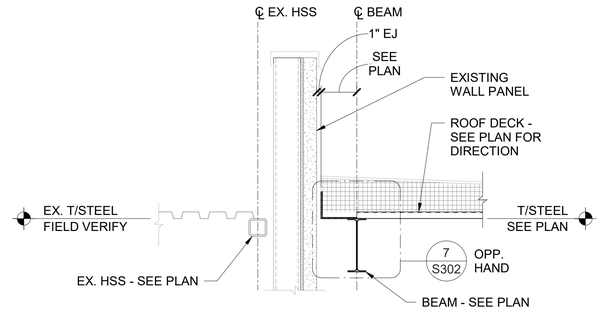
TITLE: FRAMING SECTIONS AND DETAILS

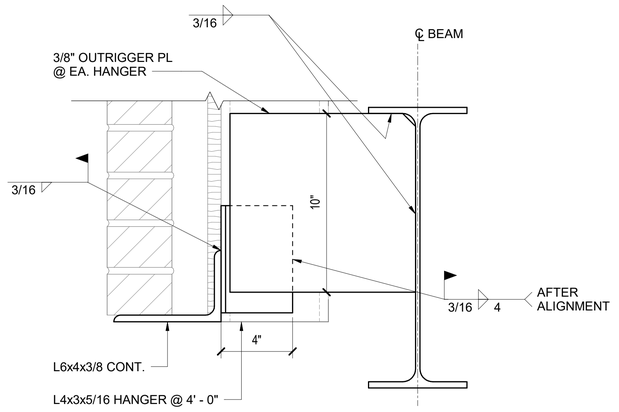
SHEET: S302



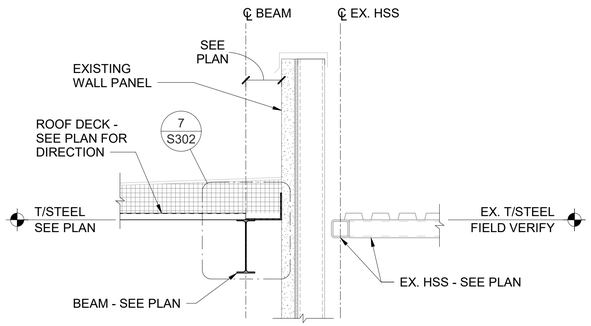
3 NEW BEAM TO EXIST. COLUMN CONNECTION



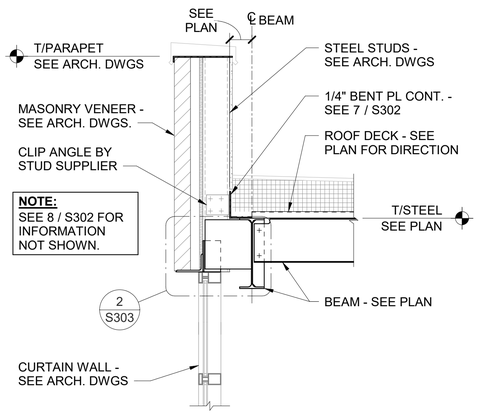
5 SECTION AT EXISTING



2 DETAIL AT BRICK LINTEL



4 SECTION AT EXISTING



1 SECTION AT CURTAIN WALL

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TITLE FRAMING SECTIONS AND DETAILS

SHEET S303

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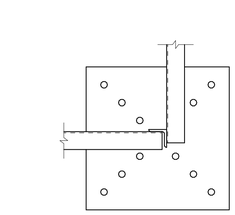
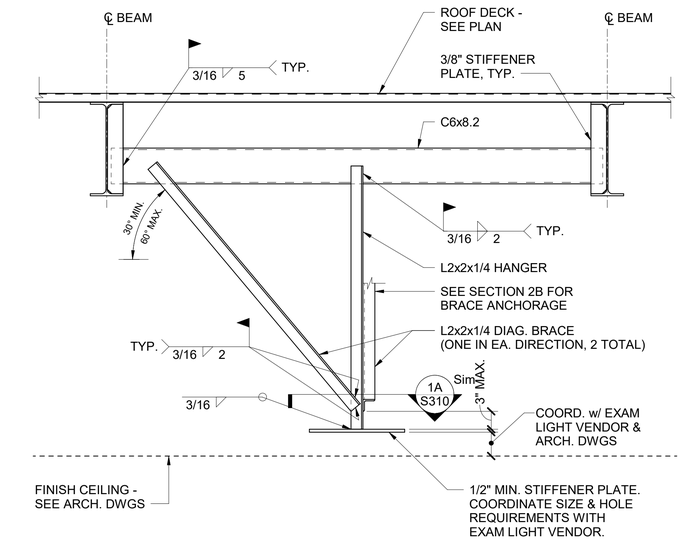


1A PLATE DETAIL

1B SECTION AT BRACE ANCHORAGE



1 TYPICAL DETAIL AT EXAM LIGHT SUPPORTS COORDINATE LOCATIONS w/ ARCH DWGS

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TITLE
OWNER FURNISHED EQUIPMENT

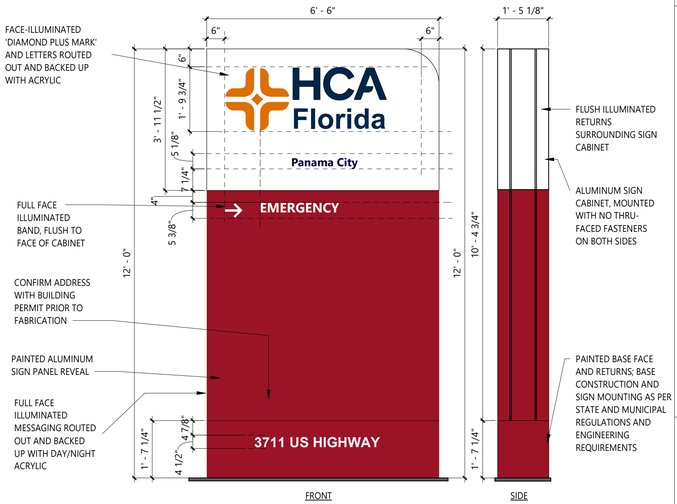
SHEET
S310

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.
TEXT IS FOR POSITION ONLY, FONT TO BE MARK FOR HCA.

BUILDING SIGN AREA = **85 SQFT**

5 BUILDING SIGN - TYPE 1
SCALE: 1/2" = 1'-0"

LEFT ALIGN HCA FACILITY INFORMATION AND DIRECTIONAL MESSAGING. CENTER ALIGN ADDRESS LINE.
TEXT IS FOR POSITION ONLY, FONT TO BE MARK FOR HCA.



6 BUILDING SIGN - MONUMENT
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.

GENERAL NOTES

All paints to be two-part polyurthane by Matthews Paints. Semi Gloss finish. - All film to be 3M unless otherwise stated. - All steel components to be primed with a zinc inhibitor (Devcon-z or approved equal). -All structural components to be sized by a licensed structural engineer to meet or exceed all local, state, and national codes. -All electrical work to meet or exceed U.L. or CE requirements. - All exposed fastners to be painted to match cabinet. - Electrical leads from the back of illuminated letters to be a minimum of 6'-0" (2 meters) long as measured from the back of the letter. All extrusions specified for this project to be by SignComp. No unapproved substitutions.

PANTONE:
HCA Navy PMS 289c
HCA Orange PMS 7579c
Slate PMS 424c
Crimson red PMS 7427c

PAINTS:
HCA Navy Matthews Mp62320
HCA Orange Matthews Mp72663
Slate Matthews Mp58477
Crimson red Matthews Mp83154
White Matthews Mp11477
Black Matthews Mp70431

VINYLS REFLECTIVE:
Crimson Red 3M 680-82 Ruby Red
White 3M 680-10

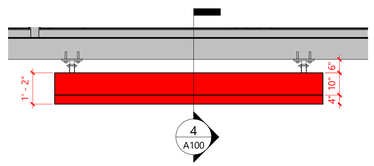
VINYLS OPAQUE:
HCA Navy 3M 3630-8695 (white bkg only)
HCA Orange 3M 3630-124 (white bkg only)
Slate 3M 180c-41 Dark Gray
White 3M 7725-10
Black 3M 180c-12
HCA Navy (dual color) 3M DN00545

VINYLS TRANSLUCENT:
HCA Navy 3M 3630-8695
HCA Orange 3M 3630-124 w/diffuser
Crimson Red 3M 3630-53
White 3M 3630-20
Diffuser 3M 3635-30 (41% diffusion)

KEYNOTE SCHEDULE

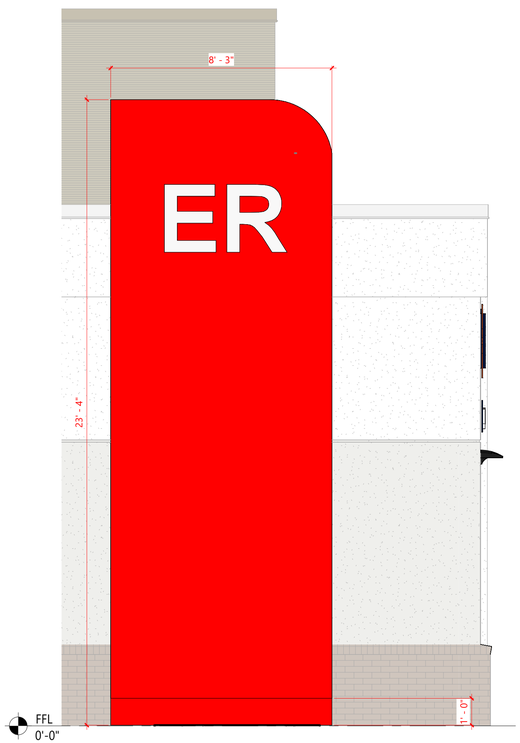
⬡ **DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS SHEET ARE SHOWN.**

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

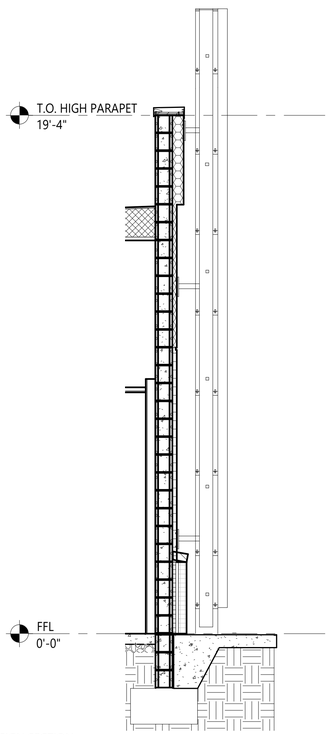


3 TOP VIEW RED SIGN
SCALE: 3/8" = 1'-0"

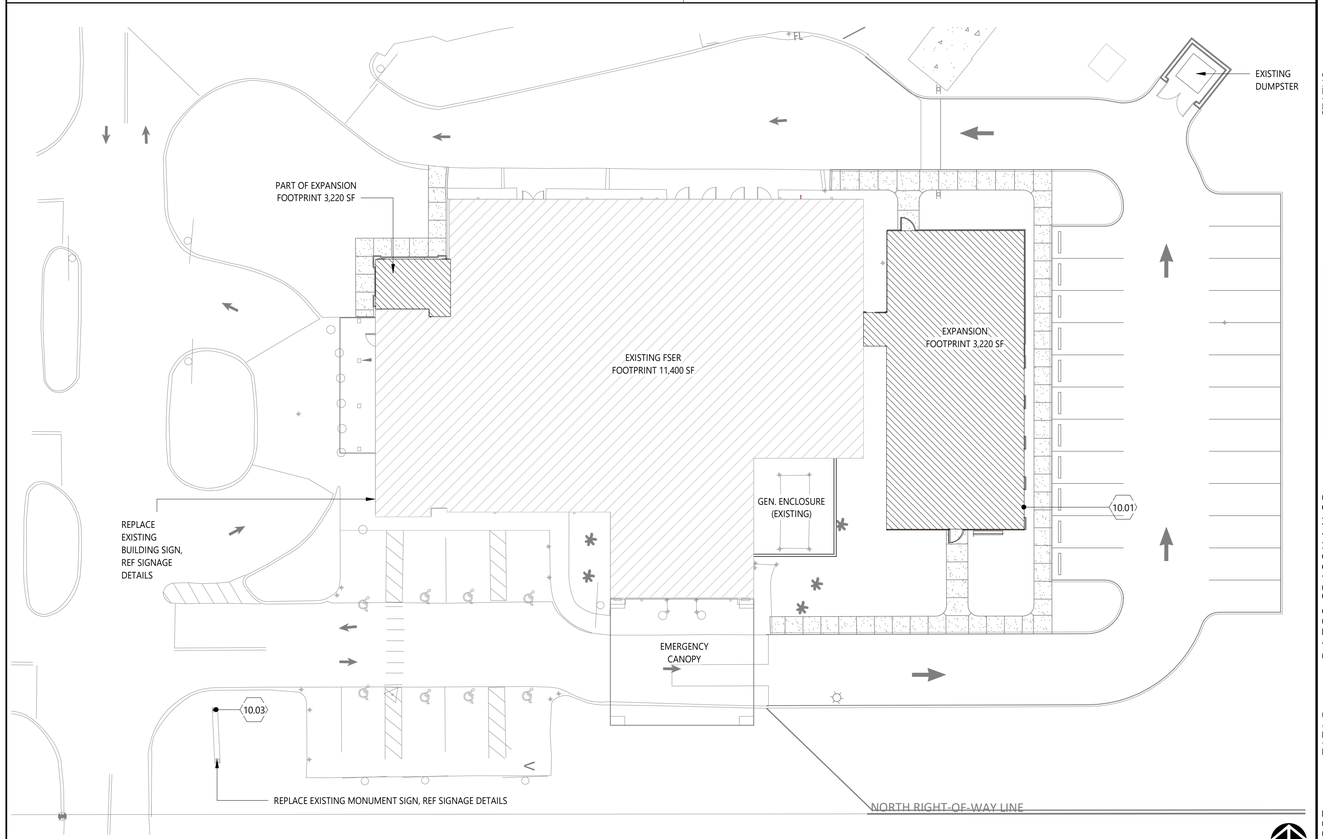
NOTES PANAFLEX:
1. Sign face to be 3M panagraphics iii. First surface decorate with translucent HCA red film. Overlam with 3M 3660M. "ER" copy to reverse out white. Typeface to be mark for HCA bold.
2. Extrusion cover to be signcomp #2121. Paint finish all exposed surfaces HCA crimson red. Semi-gloss finish. Not roll to radius shown in corner
3. Flex face retainer extrusion to be signcomp #2104 full bleed retro fit extrusion. Anchor to be signcomp #2100 wall mount frame. Note: hold wall mount at tangent points of radiused corner of "tower" face. Paint finish all exposed surfaces HCA Crimson red. Semi gloss finish
4. .125" aluminum cladding. Form as shown. Paint finish HCA crimson red. Semi-gloss finish. Chem weld to aluminum angle body frame
5. .125" aluminum backing sheet. Paint finish HCA crimson red. Semi gloss finish chem weld to aluminum angle body framing. All seems to be butt seams with backer. Note: provide flushed in access panel above parapet on back of "tower" for channel letter wiring access and power supplies
6. .125" aluminim base cladding. Form as shown. Make front panel removable for access to base plate bolt connection. Paint finish HCA crimson red. Semi-gloss finish. Engage top of panel with a "z" clip. Attach at bottom with countersunk flathead steel screws
7. Steel tube welded to internal steel tube support tubes and projecting 5" from back. Final sizing by a licensed strucutral engineer. (3X3 shown in example only) Paint finish all exposed surfaces HCA slate. Semi-gloss finish. Pre-drill holes for bolt attachment to wall channel.



2 FSER T1 FULLY BACKLIT FLEX FACE
SCALE: 3/8" = 1'-0"



4 RED SIGN SECTION
SCALE: 3/8" = 1'-0"



1 SITE PLAN
SCALE: 1" = 20'-0"

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STATE OF FLORIDA · WILLIAM E. HEREFORD · REGISTERED ARCHITECT · 6-23-2025

DATES OF ISSUANCE: 06-09-2025 △

TITLE: SITE ORIENTATION PLAN

SHEET: A100

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

FLOOR PLAN NOTES

1. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
2. REFER TO FINISH SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
3. G.C. SHALL INSTALL IN-WALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
4. G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
5. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
6. 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 THE PARTITION TYPES SHEET FOR DETAILS.
10. REFER TO THE PARTITION TYPES SHEET FOR RATED PARTITION PRIORITY AND RATED PARTITION INTERSECTION DETAILS.
11. REFER TO SHEET G005 FOR TEMPORARY BARRIER CONSTRUCTION.

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
	S	SMOKE PARTITION
		1-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

FPA / NOA LISTINGS

EIFS	FL P/A 20110.1
ALUMINUM FIXED WINDOW	FL P/A 14218.1
GLAZING INTERLAYER	NOA # 23-0717.30*
TPO ROOFING	NOA # 24-0502.06
METAL COPING	NOA # 22-0411.03
ROOF MECHANICAL SCREEN	NOA # 23-1117.02
SINGLE FLUSH HM DOORS	NOA # 23-0821.18

* CERTIFICATION NOT REQUIRED FOR THIS PRODUCT MANUFACTURER BY FPA

KEYNOTE SCHEDULE

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

01.05	PROVIDE CLEAR AREA OF 30" X 48" FOR PARALLEL APPROACH OF WHEELCHAIRS
01.12	NO PIPING THROUGH THIS ROOM UNLESS DIRECTLY SERVING THIS ROOM
06.30	PROVIDE 1/2" FIRE TREATED PLYWOOD BACKING BETWEEN METAL STUDS AT WALL-HUNG BIN LOCATIONS
09.9	PROVIDE 1" REDLINE STRIPE 18" BELOW CEILING LEVEL IN THIS ROOM
26.01	ALL OUTLETS AND DEVICES SHALL BE 60" AFF MIN.
26.02	ROOM SHALL BE EQUIPPED WITH TAMPER PROOF OUTLETS THROUGHOUT

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

STATE OF FLORIDA — WILLIAM E. HEREFORD — REGISTERED ARCHITECT — 6-23-2025

DATES OF ISSUANCE: 06-09-2025 △

TITLE: FLOOR PLAN - NOTED

SHEET: A110

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1 FLOORPLAN - DIMENSION
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

DIMENSION PLAN NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE PROCEEDING.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUING WITH CONSTRUCTION.
3. UNLESS OTHERWISE NOTED, DIMENSIONING ON PLANS IS AS FOLLOWS:
   - TO FACE OF MASONRY
   - TO FACE OF CONCRETE
   - TO FACE OF STUD IN FRAMED PARTITIONS
   - TO FACE OF EXISTING WALLS
   - GRIDLINES: TO CENTER LINE OF COLUMNS
4. DOOR OPENINGS NOT LOCATED BY DIMENSIONS ARE EITHER CENTERED IN THE WALL OR ARE LOCATED 5" FROM FINISH WALL TO INSIDE FACE OF JAMB.
5. TYPICAL PARTITION TYPE IS 'A3' UNLESS NOTED OTHERWISE.
6. TYPICAL PARTITION TYPE AT COLUMN AND EXTERIOR WALL FUR OUTS IS 'B3'
7. SEE ENLARGED PLAN DETAILS AND ELEVATIONS FOR ADDITIONAL INFORMATION. ANY DISCREPANCIES MUST BE COORDINATED WITH THE ARCHITECT BEFORE PROCEEDING.
8. DIMENSIONS WITH THE NOTE 'CLEAR' INDICATES DIMENSION IS FROM FACE OF FINISH TO FACE OF FINISH.
9. ALL STRUCTURAL MEMBERS DIMENSIONS ARE BASED OFF OF FIELD SURVEY. MAY NOT BE ACCURATE. NO EXISTING STRUCTURAL DRAWINGS WERE AVAILABLE TO USE FOR REFERENCE.

PARTITION FIRE RATING LEGEND

PLAN NOTATION	PER NFPA 170 (table 6.3.3)	DEFINITION
–S—S–		SMOKE PARTITION
–♦–♦–♦–		1-HR FIRE BARRIER (UL U465)
		NON-RATED INTERIOR PARTITION

PARTITION TAG LEGEND

PARTITION TYPE GRAPHIC

A3-1F35

PARTITION TYPE ABBREVIATION

PARTITION TYPE — A3-1F35 — FIRE RATING (IN HOURS) (IF APPLICABLE) (S) = SMOKE BARRIER (F) = FIRE RATED (IF APPLICABLE) — STC RATING #

STUD / MEMBER SIZE

STUD / MEMBER SIZE	STUD SIZE	CMU WIDTH
0	⅜" - HAT	
1	1 ⅝"	
2	2 ½"	1 ⅝"
3	3 ⅝"	
4	4"	3 ⅝"
6	6"	5 ⅝"
8	8"	7 ⅝"
10	10"	9 ⅝"
12	12"	11 ⅝"

PARTITION PRIORITY LEGEND, REF.

PARTITION TYPE	PRIORITY
1 HR SMOKE BARRIER/SHAFT ENCLOSURE	1 HIGHEST
1 HR FIRE BARRIER/SHAFT ENCLOSURE	2
SMOKE PARTITION	3
(NON RATED)	4 LOWEST

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DATES OF ISSUANCE: 06-09-2025 △

TITLE: FLOOR PLAN - DIMENSION

SHEET: A120

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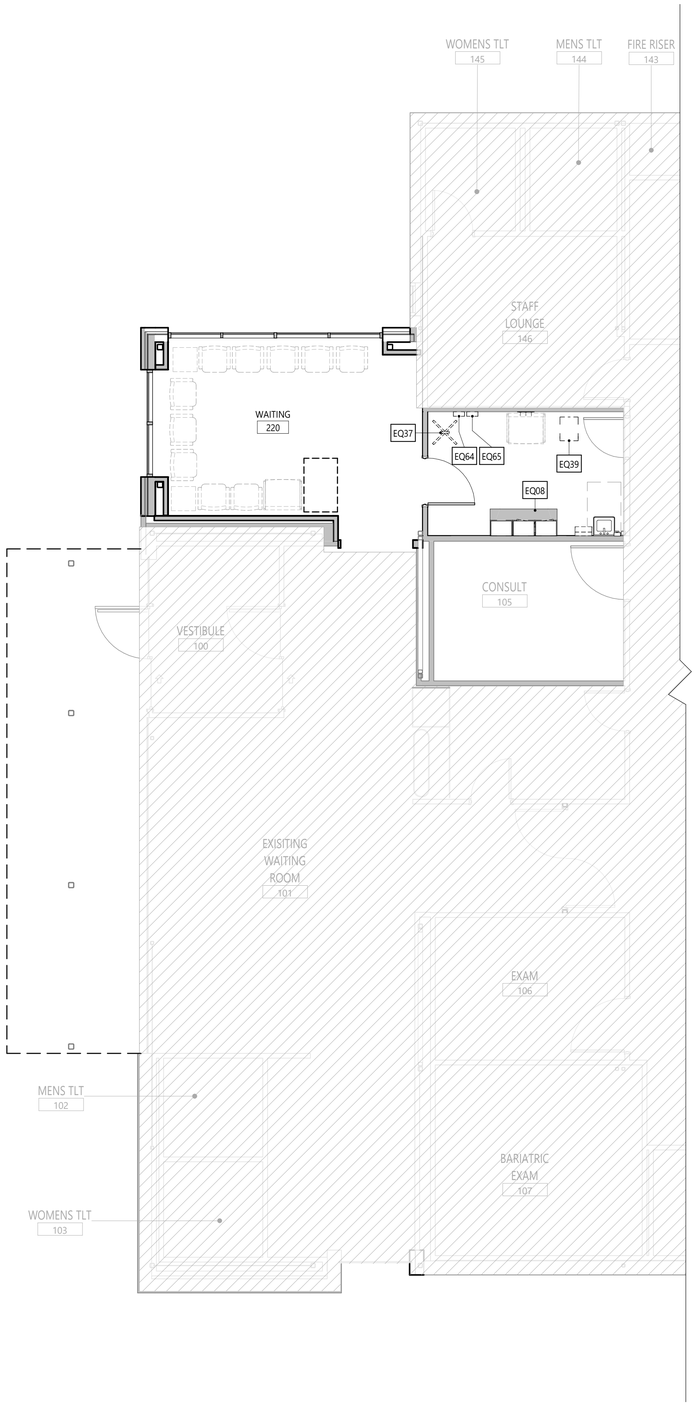

GENERAL NOTES

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.

EQ EQUIPMENT SCHEDULE

Equip Number - HCA	Description	Furnished By	Installed By
EQ02	TV BRACKET (WALL MOUNTING)	OF	CI
EQ03	WALL-MOUNTING BRACKET FOR 40" FLAT SCREEN TV	OF	CI
EQ07	COMPUTER STATION (DUAL MONITOR)	OF	OI
EQ08	COMPUTER STATION (DUAL MONITOR)	OF	OI
EQ09	CENTRAL COMPUTER STATION (SINGLE MONITOR)	OF	OI
EQ15	PRINTER	OF	OI
EQ17	PROXIMITY CABINET #S-CWT-28	<varies>	<varies>
EQ19	COMPULOCKS WALL BRACKET AND SCANNER BRACKET	OF	CI
EQ22	TELEPHONE (TABLETOP)	OF	OI
EQ23	TELEPHONE (WALL)	OF	OI
EQ37	IV STAND	<varies>	<varies>
EQ39	MAYO STAND	OF	OI
EQ40	MEDICAL SUPPLY COMPUTER STATION (SINGLE MONITOR)	OF	OI
EQ41	PYXIS MAIN	OF	OI
EQ42	PYXIS AUX. DISP.	OF	OI
EQ43	PYXIS TOWER	OF	OI
EQ44	PYXIS RETURN BIN	OF	OI
EQ50	STORAGE BINS	OF	OI
EQ64	<varies>	<varies>	<varies>
EQ65	<varies>	<varies>	<varies>
EQ71	MARKERBOARD	CF	CI
EQ-03	43" FLAT SCREEN TV	OF	CI

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

0' 2' 4' 8' 16'

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WILLIAM E. HEREFORD
REGISTERED ARCHITECT
6-23-2025

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TITLE
FLOOR PLAN - EQUIPMENT

SHEET
A130

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1 FLOORPLAN - ACCESS CONTROL
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

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	AI PHONE
CR	CARD READER
CR/KP	CARD READER & KEYPAD COMBO
CM	CONTROL MODULE
DMR	DOOR MONITOR RELAY
EP	DURESS BUTTON - MODEL: R4036 MANUFACTURER: CENTURION SIZE: 3" x 1.6" x 0.72" COLOR: WHITE WITH GREY BUTTON
EP HUB	CONNECT TO EP AT RECEPTION, NURSE STATION, AND BEHAVIORAL EXAM MODEL: ELITE MANUFACTURER: CENTURION WIRELESS SYSTEM IN EP HUB
ESD	EMERGENCY SHUT DOWN PUSH BUTTON; PROVIDE PROTECTIVE COVER (REF. HARDWARE SPECS)
K	KEYED OPENING REF. DOOR HARDWARE
KP	KEYPAD
MHO	MAGNETIC HOLD OPENS
MOT	MOTION SENSOR
PB	PUSH BUTTON ACTUATOR
RR	REMOTE RELEASE
RRC	REMOTE RELEASE CONSOLE (FOR RR1 - RR2)
UPS	UNINTERRUPTIBLE POWER SUPPLY

KEYNOTE SCHEDULE

(#) DENOTED BY A NUMBER ENCLOSED INSIDE A HEXAGON. ONLY NOTES APPLICABLE TO THIS...

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

28.21 PROVIDE DOOR/WINDOW TRANSMITTER AT DOOR; MODEL R4028; DIMENSIONS: 3.5" X 1.7" X 0.90"; COLOR: WHITE

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06-09-2025 △

TITLE
FLOOR PLAN - ACCESS CONTROL

SHEET
A140

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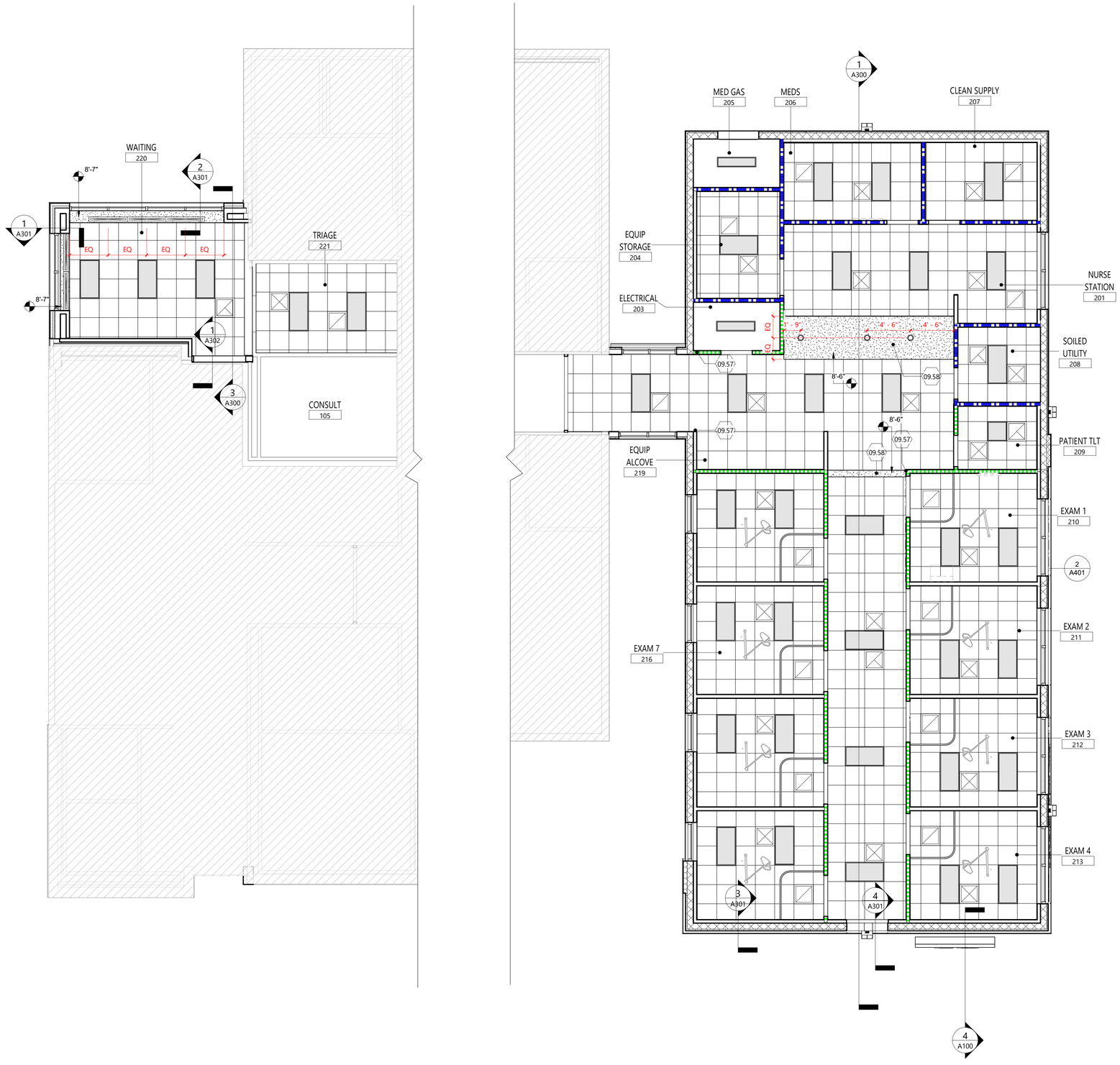

1 REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

REFLECTED CEILING NOTES

1. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES DISCOVERED DURING CONSTRUCTION.
2. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF EMERGENCY LIGHTING.
3. CENTER CEILING AND LIGHTS IN ALL SPACES WHERE POSSIBLE, U.N.O.
4. GYP. BD. SOFFITS ABOVE UPPER CABINETS SHALL EXTEND TO TOP OF CABINET (7'-0" U.N.O.).
5. 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.
6. ALL CEILINGS SHALL BE 9'-0" AFF U.N.O.
7. PROVIDE ACCESS PANELS IN GYPSUM CEILINGS WHERE REQUIRED TO ACCESS ABOVE CEILING EQUIPMENT. (SEE SPECS)
8. REFER TO FINISH DRAWINGS FOR CEILING GRID AND PANEL TYPE AND SIZE.
9. BOTTOM OF GYP. BD. BULKHEADS SHALL BE 8'-6" AFF U.N.O.
10. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF UNDER-CABINET LIGHT FIXTURES.
11. ALL PARTITION WALLS SHALL EXTEND TO UNDERSIDE OF DECK ABOVE U.N.O.
12. GYP. BD. CEILINGS SHALL BE CONSTRUCTED PER DETAIL 6/A105 - OR AT G.C. 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" — 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
- LINEAR AIR DIFFUSER

KEYNOTE SCHEDULE

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

09.57 ALIGN FINISH FACE OF CANOPY BULKHEAD WITH FINISH FACE OF PILASTER/COLUMN
09.58 PAINTED GWB BULKHEAD

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6-23-2025

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06-09-2025

TITLE: REFLECTED CEILING PLAN

SHEET: A150

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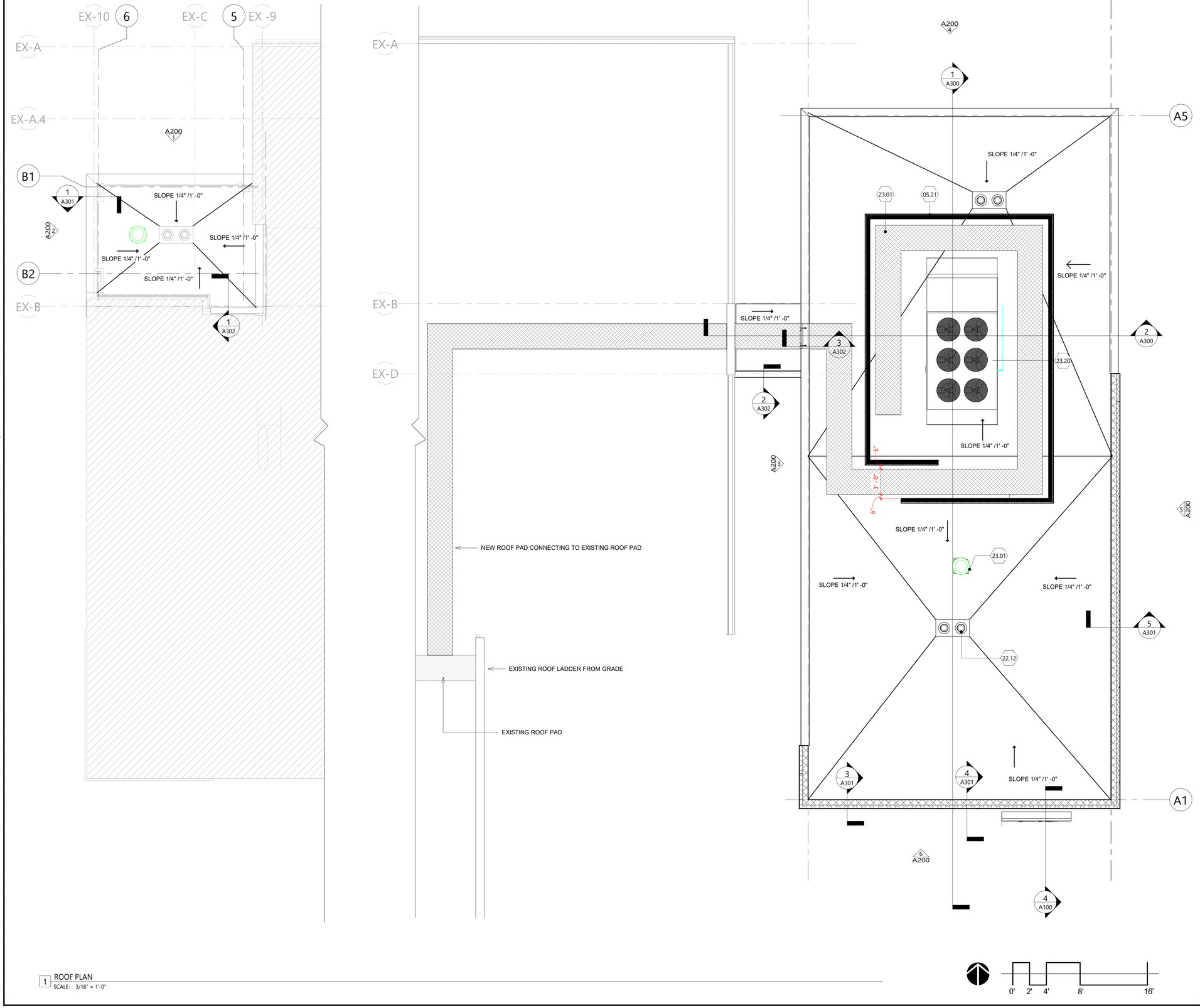

1 ROOF PLAN
SCALE: 3/16" = 1'-0"

GENERAL ROOF NOTES

1. REFERENCE SHEETS A500-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 ASSEMBLY LEGEND

RA1

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION ROOF
- RIGID INSULATION R-30ci
- METAL DECK

KEYNOTE SCHEDULE

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

05.21	SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
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

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STATE OF FLORIDA · WILLIAM E. HEREFORD · REGISTERED ARCHITECT · 6-23-2025

DATES OF ISSUANCE
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TITLE: ROOF PLAN

SHEET: A160

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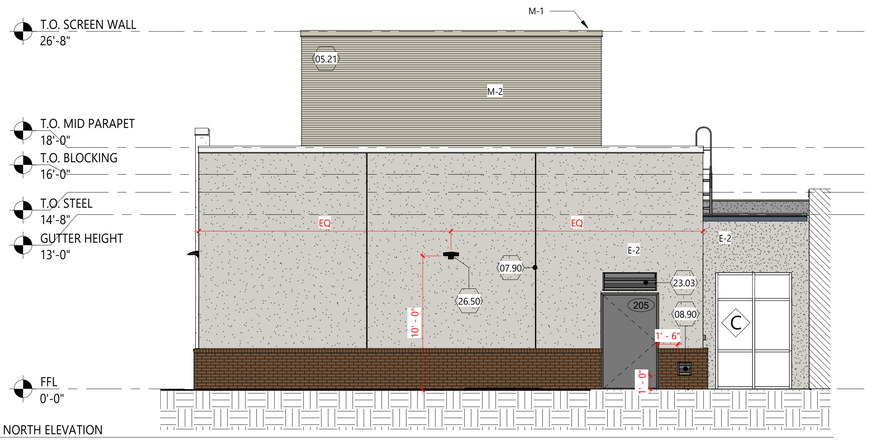
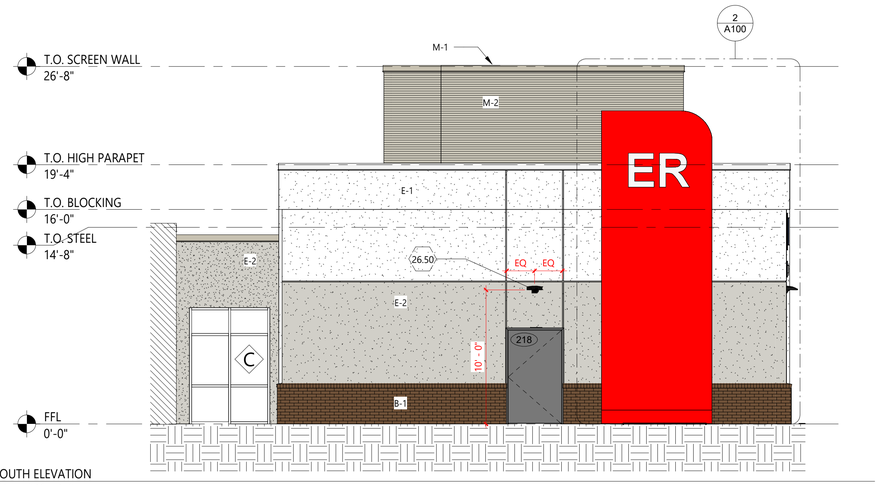
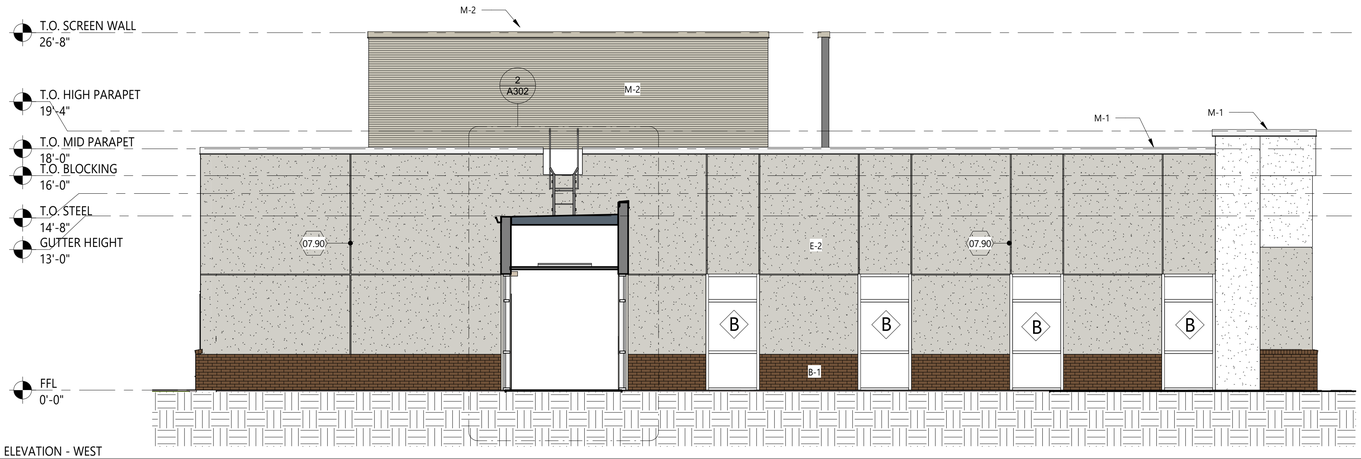


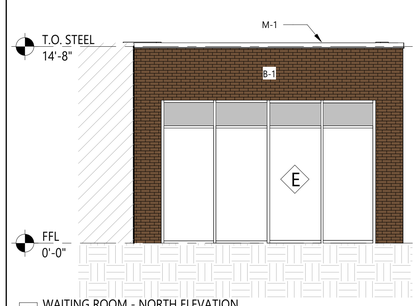
4 NORTH ELEVATION
SCALE: 3/16" = 1'-0"



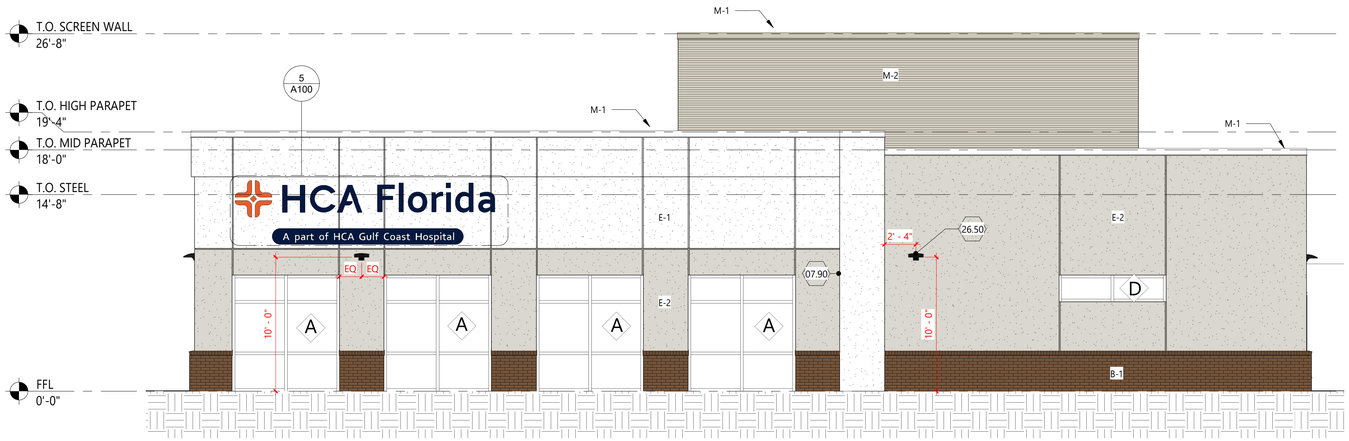
6 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



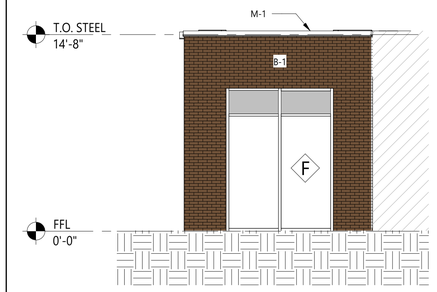
3 ELEVATION - WEST
SCALE: 3/16" = 1'-0"



1 WAITING ROOM - NORTH ELEVATION
SCALE: 3/16" = 1'-0"



5 ELEVATION - EAST
SCALE: 3/16" = 1'-0"



2 WAITING ROOM - WEST ELEVATION
SCALE: 3/16" = 1'-0"

EXTERIOR MATERIALS SCHEDULE

PATTERN & MARKER	PRODUCT	COLOR / FINISH
B-1	BRICK (FIELD COLOR)	PALMETTO BRICK, TO MATCH OLD IRISH TAN 2.0 GREYSTONE
E-1	EIFS OVER CMU (FIELD COLOR)	LIMESTONE FINISH, COLOR TO MATCH SW6127 (IVOIRE)
E-2	EIFS OVER CMU (FIELD COLOR)	LIMESTONE FINISH, COLOR TO MATCH SW7015 (REPOSE GREY)
M-1	PREFINISHED METAL COPING	KYNAR 500 - STANDARD SANDSTONE COLOR TO MATCH E-1
M-2	CORRUGATED ROOF SCREEN WALL PANELS, COPING, EDGE AND CORNER TRIM	SW 7640 - FAWN BRINDLE
#	ALUMINUM WINDOW FRAMES	CLEAR ANODIZED
#	GLASS / GLAZING - VISION	YKK AP YHC 300 IMPACT CURTAIN WALL CLASS 1 ANODIZED CLEAR APPEARANCE
###	EXTERIOR HM DOORS, FRAMES AND LOUVERS	PAINT TO MATCH WALL COMPONENT IT IS LOCATED IN

* REFER TO SPECS FOR MANUFACTURERS

KEYNOTE SCHEDULE

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

05.21	SCREEN WALL ASSEMBLY; SET BASE OF WALL ABOVE FINISH ROOF MIN. 12"; INSTALL ROOF AND FLASH AROUND STRUCTURAL SUPPORTS TO MEET ROOFING WARRANTY
07.90	THROUGH-WALL EXPANSION JOINT; REF. STRUCTURAL AND EIFS MANUFACTURER DETAILS
08.90	LOUVERS
23.03	LOUVER; REF MECHANICAL
26.50	EXTERIOR LIGHT; SEAL BRACKET, ANCHOR, AND FASTENERS TO AMB; SEAL BRACKETS TO CLADDING; REF ELECTRICAL

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

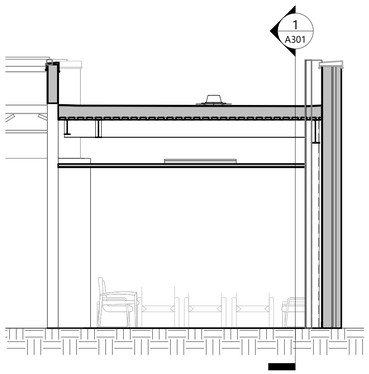
STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD
REGISTERED ARCHITECT
6-23-2025

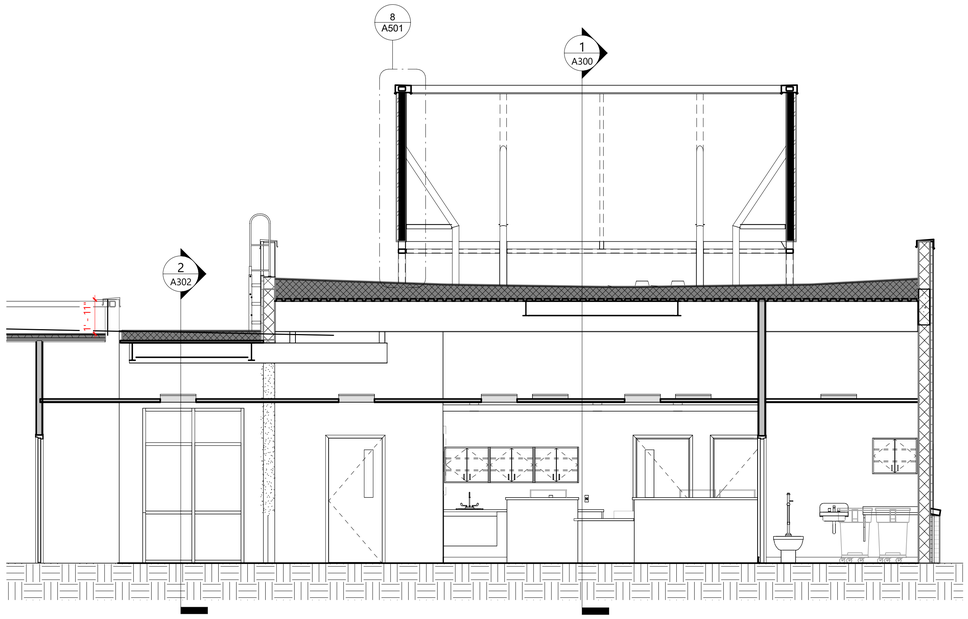
DATES OF ISSUANCE
06-09-2025 △

TITLE
EXTERIOR ELEVATIONS

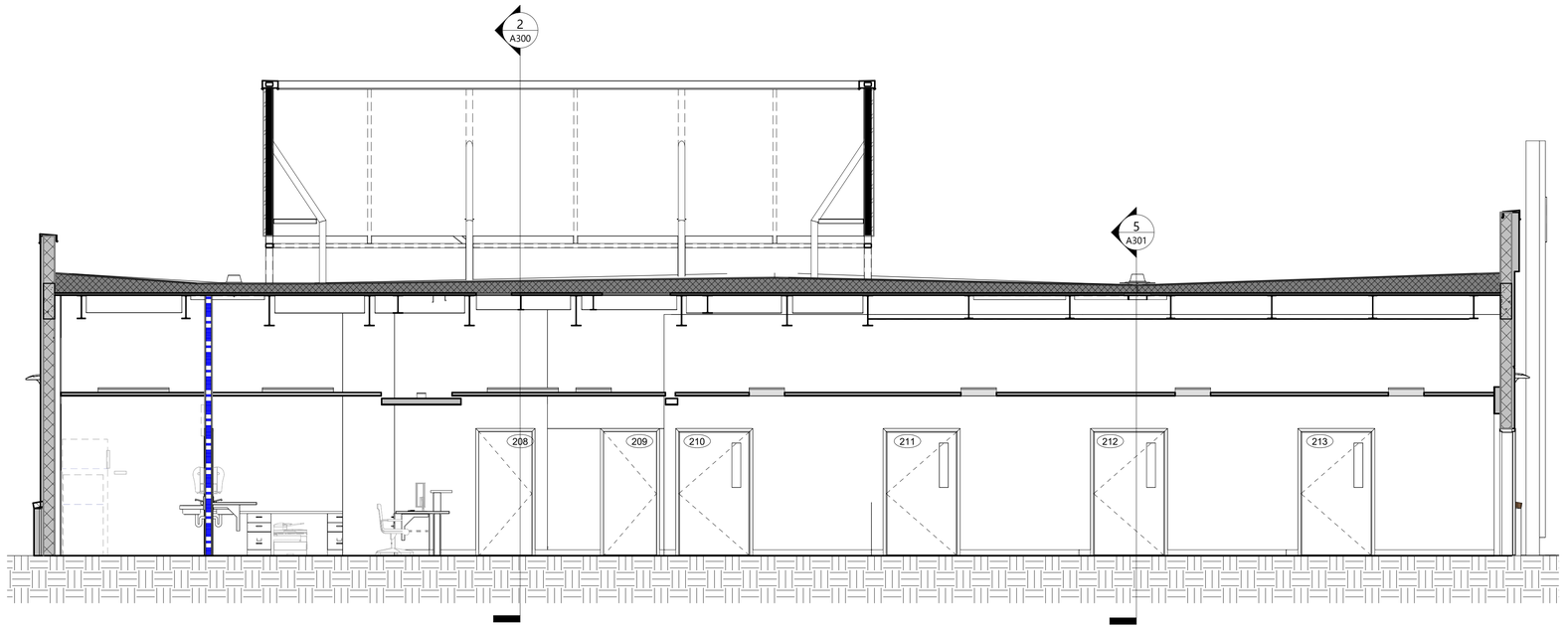
SHEET
A200



3 BUILDING SECTION - WAITING ROOM
SCALE: 1/4" = 1'-0"



2 TRANSVERSE BUILDING SECTION
SCALE: 1/4" = 1'-0"



1 LONGITUDINAL BUILDING SECTION
SCALE: 1/4" = 1'-0"

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STATE OF FLORIDA
WILLIAM E. HEREFORD III
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6-23-2025

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TITLE
BUILDING SECTIONS

SHEET
A300

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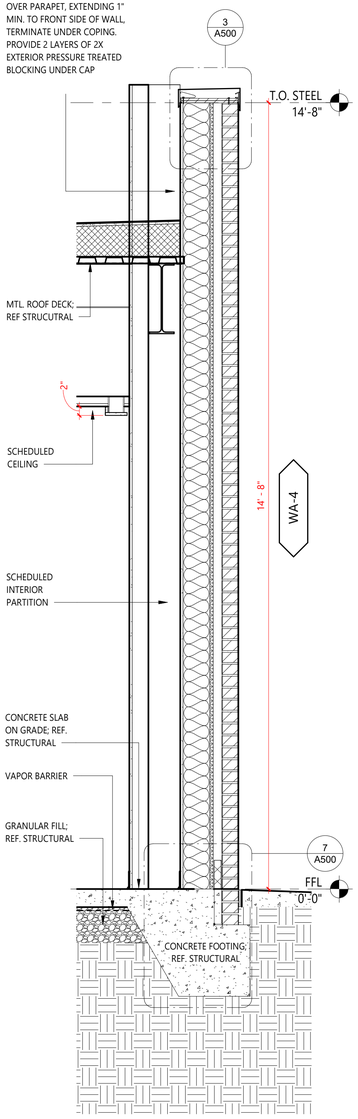
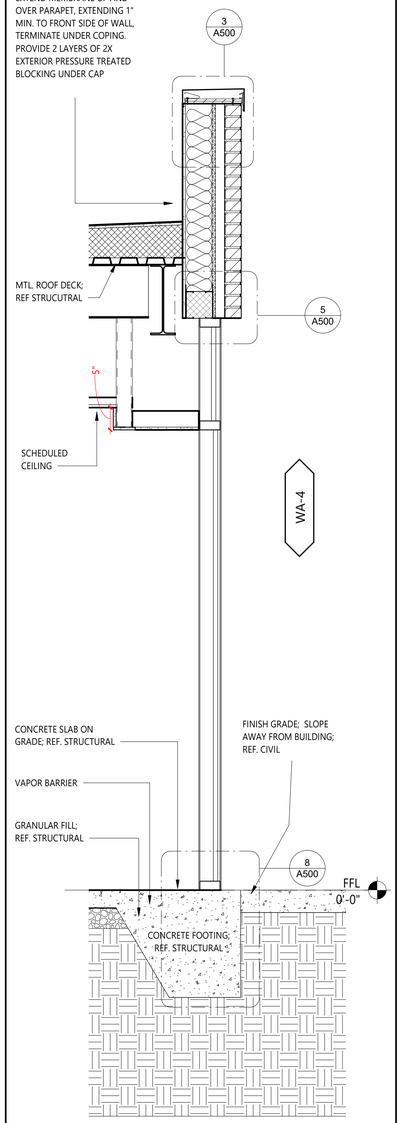
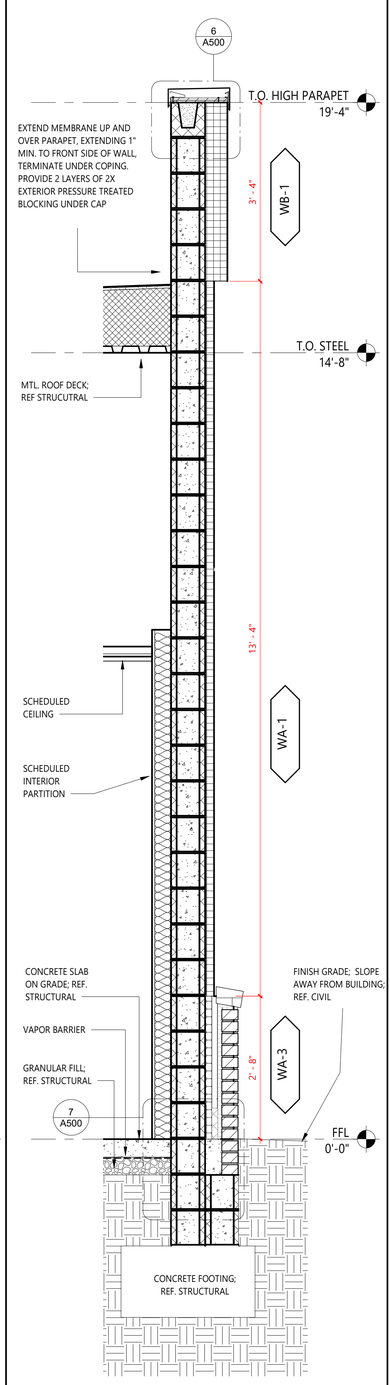


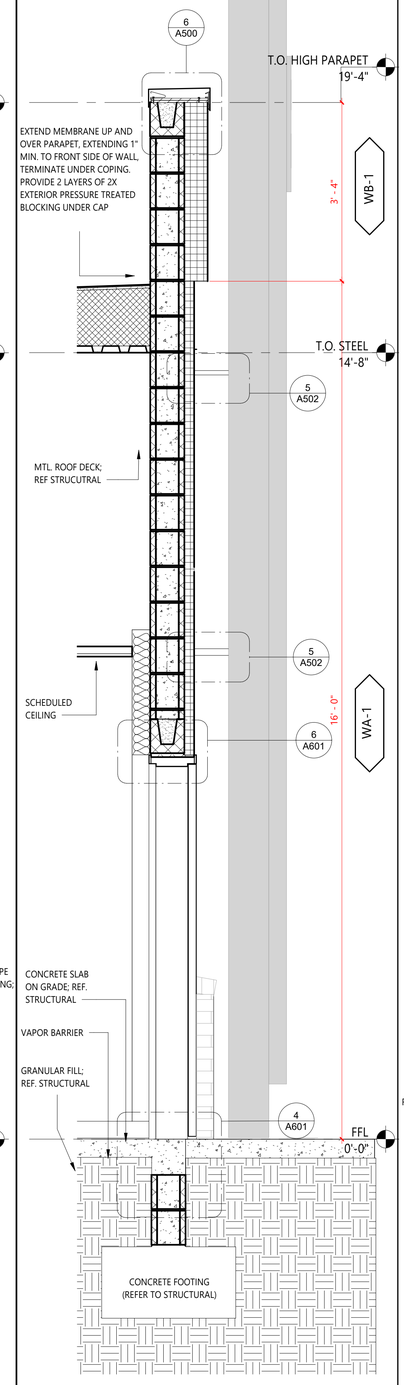
1 BRICK WALL SECTION @ NEW WAITING ROOM
SCALE: 3/4" = 1'-0"



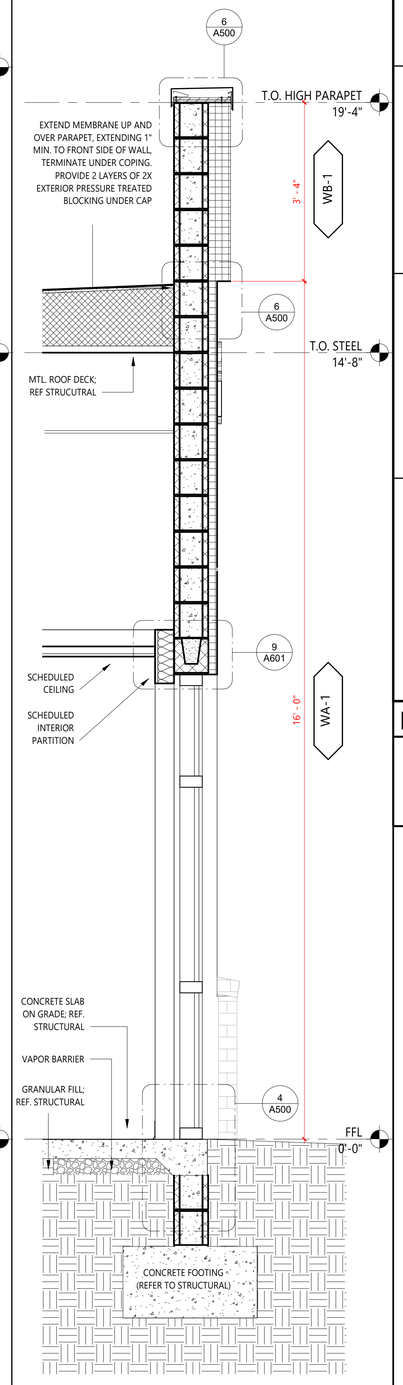
2 BRICK WALL SECTION THROUGH WINDOW
SCALE: 3/4" = 1'-0"



3 TYPICAL EIFS WALL SECTION
SCALE: 3/4" = 1'-0"



4 EIFS WALL SECTION THROUGH DOOR
SCALE: 3/4" = 1'-0"



5 EIFS WALL SECTION THROUGH WINDOW
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REF SHEET G100 FOR BUILDING ENVELOPE REQUIREMENTS

WA-1

EIFS THICKNESS
A = 2"
B = 5"

- EIFS FINISH
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-2

EIFS THICKNESS
A = 2"

- EIFS FINISH
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- MTL (SEE PLAN FOR MTL THICKNESS)

WA-3

- BRICK
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-4

- BRICK
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- MTL (SEE PLAN FOR MTL THICKNESS)

ROOF ASSEMBLY LEGEND

RA1

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION
- RIGID INSULATION R-25ci
- METAL DECK

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STATE OF FLORIDA · WILLIAM E. HEREFORD · REGISTERED ARCHITECT
6-23-2025

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TITLE
WALL SECTIONS

SHEET
A301

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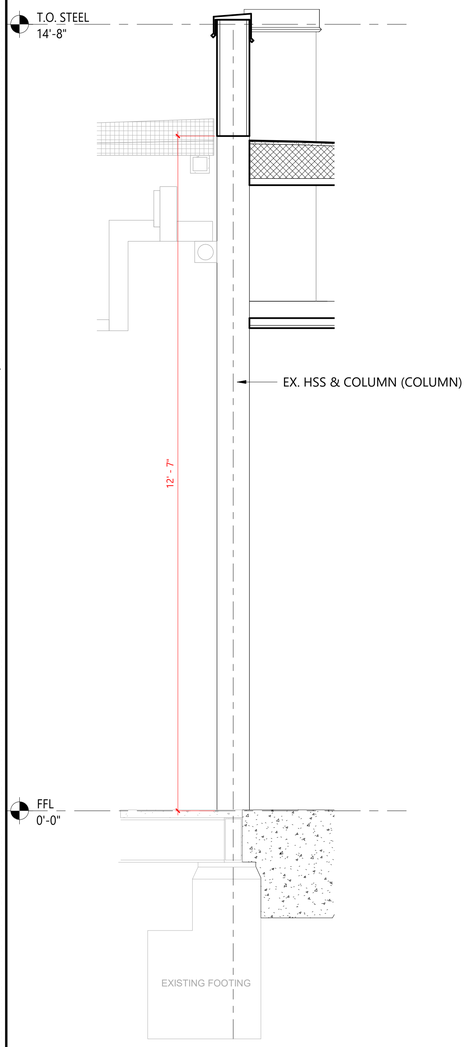
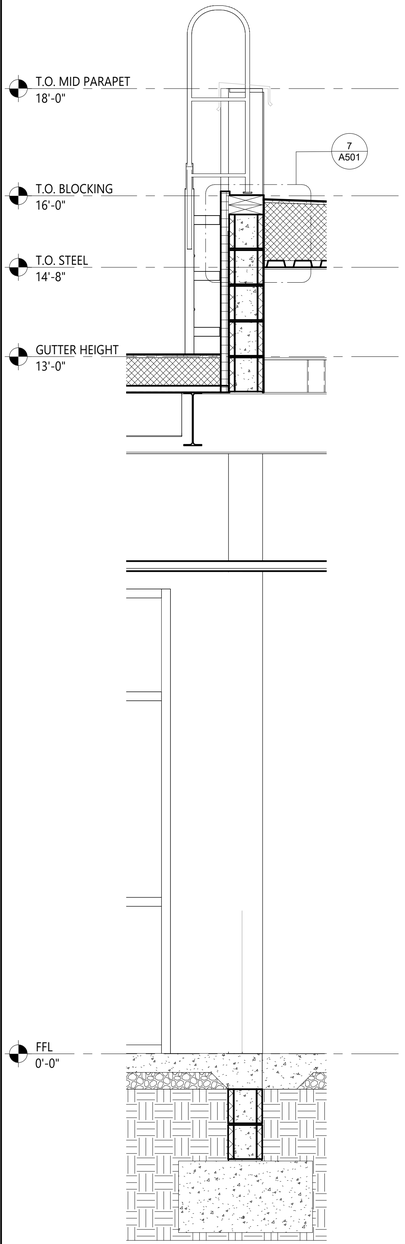
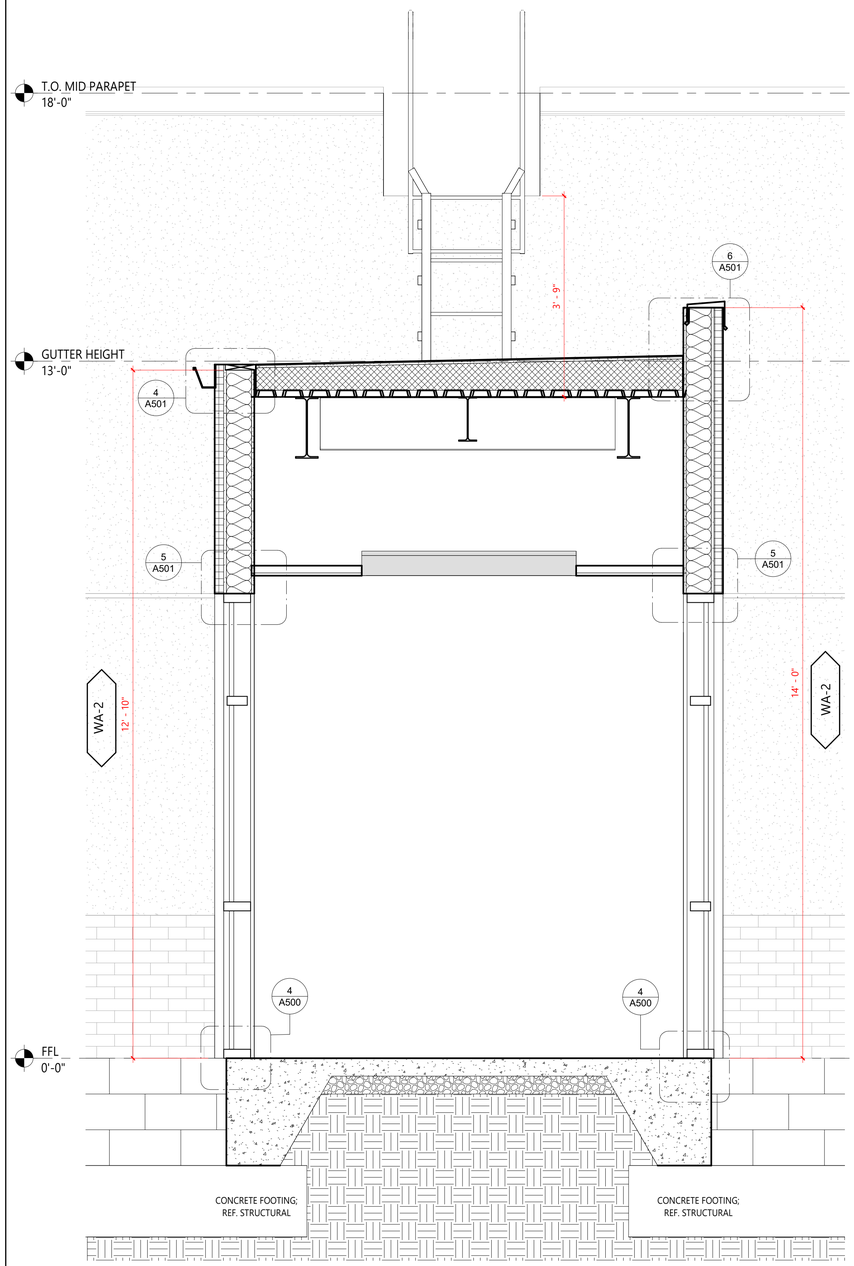


1 SECTION @ CONNECTION TO NEW WAITING ROOM
SCALE: 3/4" = 1'-0"



3 SECTION @ NEW COORDIOR AND EXPANSION FSER
SCALE: 3/4" = 1'-0"



2 NEW CORRIDOR GLAZING WALL SECTION
SCALE: 3/4" = 1'-0"

EXTERIOR WALL ASSEMBLY

NOTE: REF SHEET G100 FOR BUILDING ENVELOPES REQUIREMENTS

WA-1

EIFS THICKNESS
A = 2"
B = 5"

- EIFS FINISH
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-2

EIFS THICKNESS
A = 2"

- EIFS FINISH
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- MTL (SEE PLAN FOR MTL THICKNESS)

WA-3

- BRICK
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- CMU (SEE PLAN FOR CMU THICKNESS)

WA-4

- BRICK
- CONT INSULATION (R-5.7ci MIN)
- AIR & MOISTURE BARRIER
- MTL (SEE PLAN FOR MTL THICKNESS)

ROOF ASSEMBLY LEGEND

RA1

- ROOF MEMBRANE (TPO)
- ½" PROTECTION BOARD
- TAPERED INSULATION
- RIGID INSULATION R-25ci
- METAL DECK

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TITLE: WALL SECTIONS

SHEET: A302

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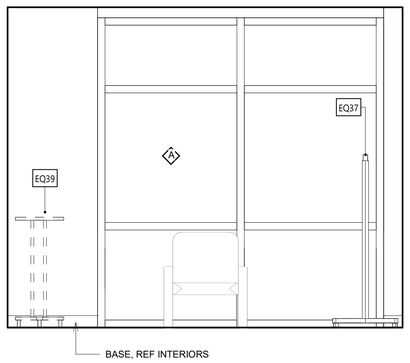
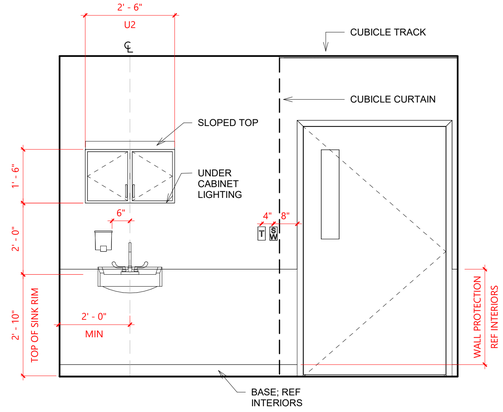
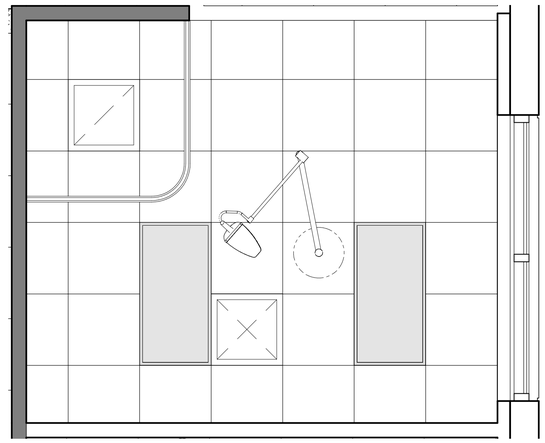


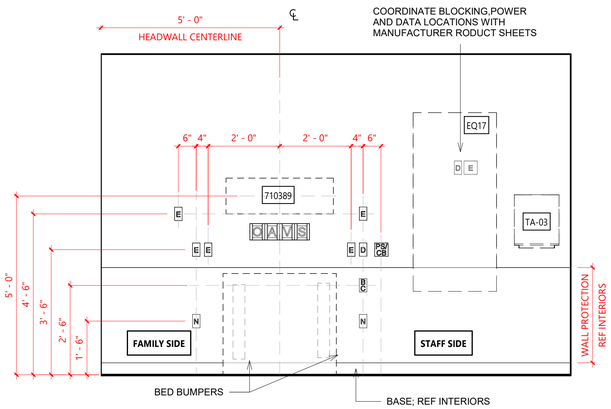
6 TYP. EXAM FAMILY SIDE INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



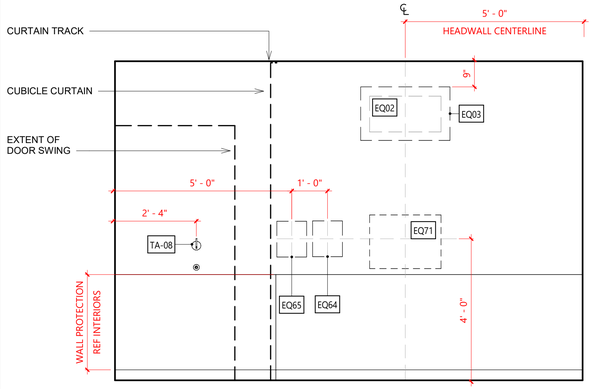
3 TYP. EXAM STAFF SIDE INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



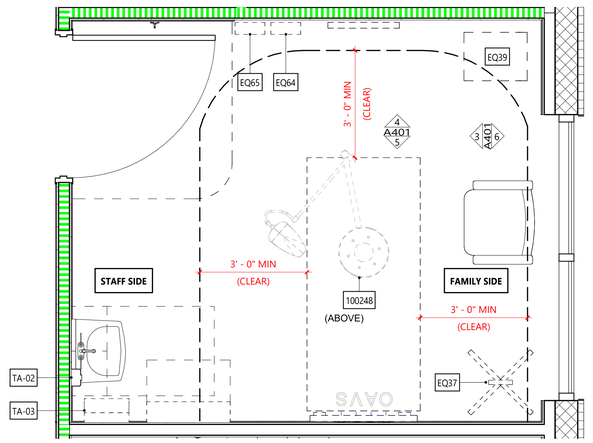
2 ENLARGED RELFECTED CEILING PLAN - TYP. EXAM
SCALE: 1/2" = 1'-0"



5 TYP. EXAM HEADWALL INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



4 TYP. EXAM FOOTWALL INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



1 ENLARGED TYP. EXAM PLAN
SCALE: 1/2" = 1'-0"

EQUIPMENT KEY

A	MEDICAL AIR	REFER TO ENGINEER DRAWINGS TO CONFIRM MOUNTING HEIGHTS OF MED GASES & ELECTRICAL OUTLETS ON HEADWALL.
BC	BED CONNECTOR	
D	NETWORK CONNECTION / DATA	
E	EMERGENCY POWER	
LS	LIGHT SWITCH	
N	NORMAL POWER	
NC	NURSE CALL	
O	OXYGEN	
PS/CB	PATIENT STATION / CODE BLUE	
S	SLIDE	
SW	SWITCH	
T	THERMOSTAT	
UCL	UNDER CABINET LIGHTING	
V	VACUUM	

EQUIPMENT LEGEND

######	OWNER FURNISHED EQUIPMENT DESIGNATION. REFER TO OWNER EQUIPMENT MANUAL FOR SPECIFICATIONS.
EQ###	MISCELLANEOUS EQUIPMENT AND ACCESSORIES DESIGNATION. G.C. TO COORDINATE 'FURNISHED BY' AND 'INSTALLED BY' RESPONSIBILITIES WITH OFE MATRIX AND OWNER.

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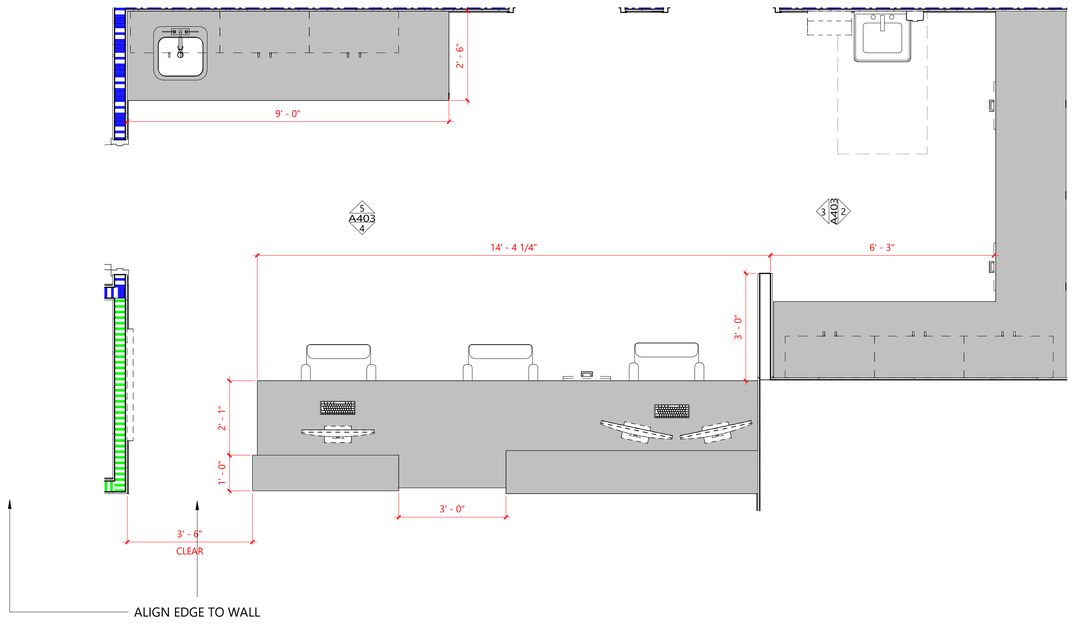
AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
6-23-2025

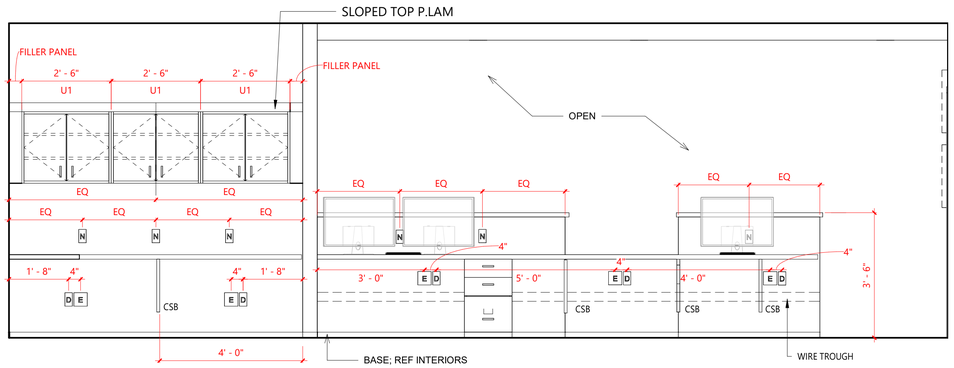
DATES OF ISSUANCE
06-09-2025

TITLE: ENLARGED PLANS & ELEVATIONS - TYP. EXAM

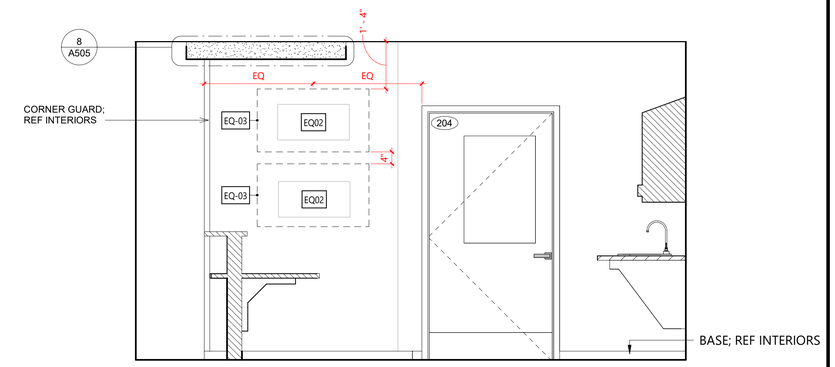
SHEET: A401



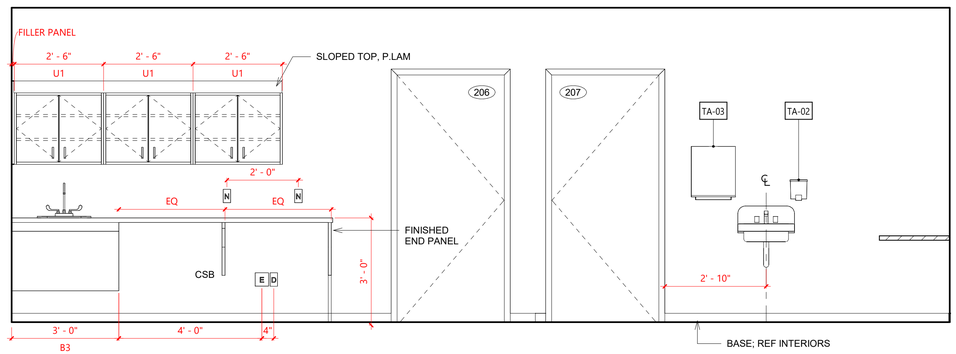
1 NURSE STATION ENLARGED PLAN
SCALE: 1/2" = 1'-0"



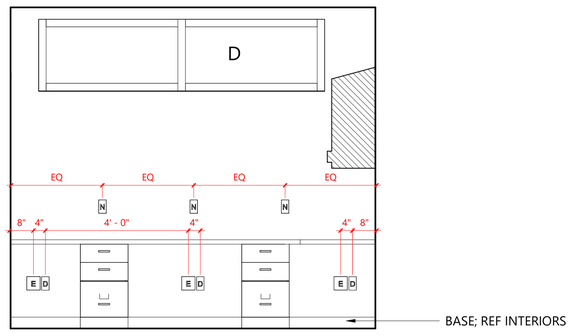
4 NURSE STATION - FACING PLAN SOUTH
SCALE: 1/2" = 1'-0"



3 NURSE STATION - FACING PLAN WEST
SCALE: 1/2" = 1'-0"



5 NURSE STATION - FACING PLAN NORTH
SCALE: 1/2" = 1'-0"



2 NURSE STATION - FACING PLAN EAST
SCALE: 1/2" = 1'-0"

CASEWORK GENERAL NOTES

1. REFER TO SHEET A130 EQUIPMENT PLAN FOR THE EQUIPMENT LIST OF OWNER-FURNISHED EQUIPMENT (OFE) SHOWN ON THE DRAWINGS AS XXXX

CASEWORK ABBREVIATION LEGEND

A	MEDICAL AIR	N	NORMAL POWER
BC	BED CONNECTOR	NC	NURSE CALL
BR	CASEWORK BRACKET	O	OXYGEN
CB	CODE BLUE	PB	PUSH BUTTON
CR	CARD READER (REF ACCESS CONTROL PLAN)	RL	REMOTE LOCKDOWN
CT	CABLE TROUGH	S	SLIDE
D	NETWORK CONNECTION / DATA	SW	LIGHT SWITCH
E	EMERGENCY POWER	T	THERMOSTAT
LPA	LINE PRESSURE ALARM	UCL	UNDER CABINET LIGHTING
		V	VACUUM

EQ EQUIPMENT SCHEDULE

Equip Number - HCA	Description	Furnished By	Installed By
EQ02	TV BRACKET (WALL MOUNTING)	OF	CI
EQ03	WALL-MOUNTING BRACKET FOR 40" FLAT SCREEN TV	OF	CI
EQ07	COMPUTER STATION (DUAL MONITOR)	OF	OI
EQ08	COMPUTER STATION (DUAL MONITOR)	OF	OI
EQ09	CENTRAL COMPUTER STATION (SINGLE MONITOR)	OF	OI
EQ15	PRINTER	OF	OI
EQ17	PROXIMITY CABINET #S-CWT-28	<varies>	<varies>
EQ19	COMPULOCKS WALL BRACKET AND SCANNER BRACKET	OF	CI
EQ22	TELEPHONE (TABLETOP)	OF	OI
EQ23	TELEPHONE (WALL)	OF	OI
EQ37	IV STAND	<varies>	<varies>
EQ39	MAYO STAND	OF	OI
EQ40	MEDICAL SUPPLY COMPUTER STATION (SINGLE MONITOR)	OF	OI
EQ41	PYXIS MAIN	OF	OI
EQ42	PYXIS AUX. DISP.	OF	OI
EQ43	PYXIS TOWER	OF	OI
EQ44	PYXIS RETURN BIN	OF	OI
EQ50	STORAGE BINS	OF	OI
EQ64	<varies>	<varies>	<varies>
EQ65	<varies>	<varies>	<varies>
EQ71	MARKERBOARD	CF	CI
EQ-03	43" FLAT SCREEN TV	OF	CI

OFE #	Description	Furnished By	Installed By
200001	EXAMINER 10 SINGLE LIGHT, CLG-MTD W/EXT. ARM	OF	CI
710389	DIAGNOSTIC SET, WALL MOUNTED	OF	CI
728296	UNDERCOUNTER REFRIGERATOR, MEDS	OF	OI
EQ50	STORAGE BINS	OF	OI

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06-09-2025

TITLE
ENLARGED PLANS & ELEVATIONS - NURSE STATION

SHEET
A403

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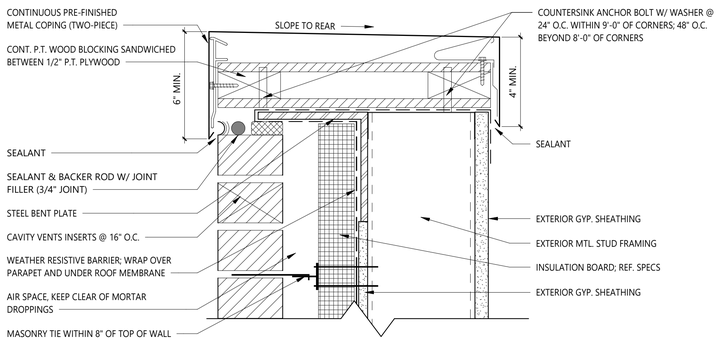
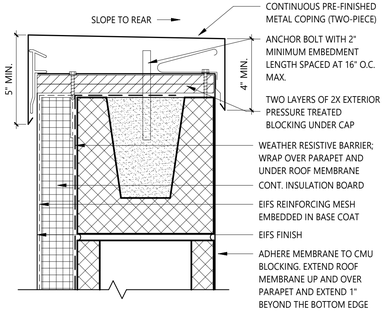
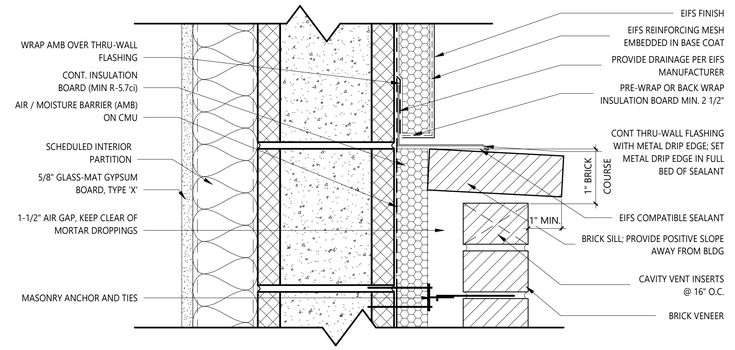


3 TYP. PARAPET@ BRICK
SCALE: 3" = 1'-0"

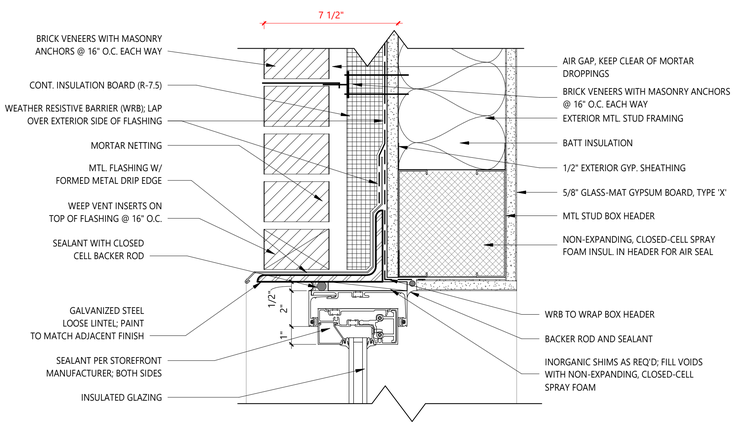


6 DETAIL AT PARAPET CAP, TYP.
SCALE: 3" = 1'-0"

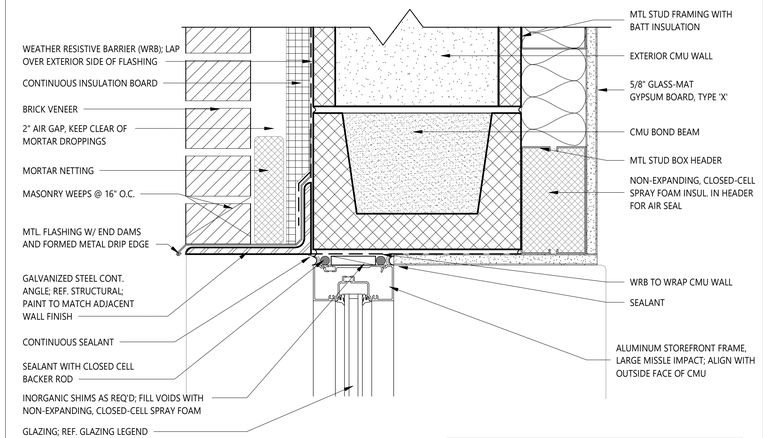


SECTION

9 BRICK BELOW EIFS - VERTICAL TRANSITION
SCALE: 3" = 1'-0"

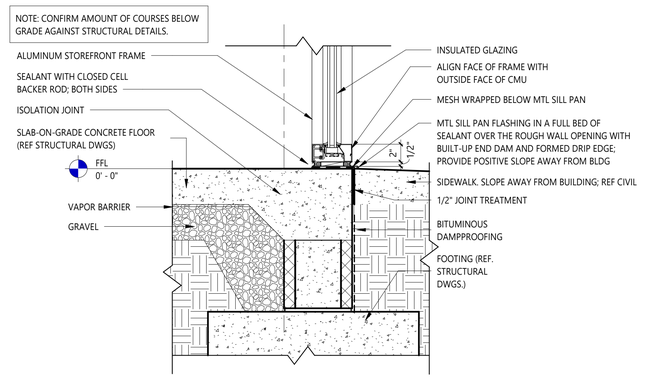


2 08 51 013 - AL. WINDOW - HEAD @ BRICK
SCALE: 3" = 1'-0"

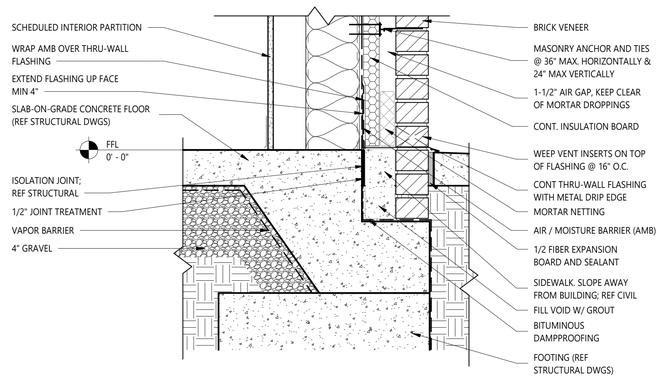


NOTE: REFER TO EXTERIOR ELEVATIONS FOR STONE LOCATIONS. STONE AT HEAD OF WINDOW DETAILS ARE TO BE SIMILAR TO BRICK DETAILS.

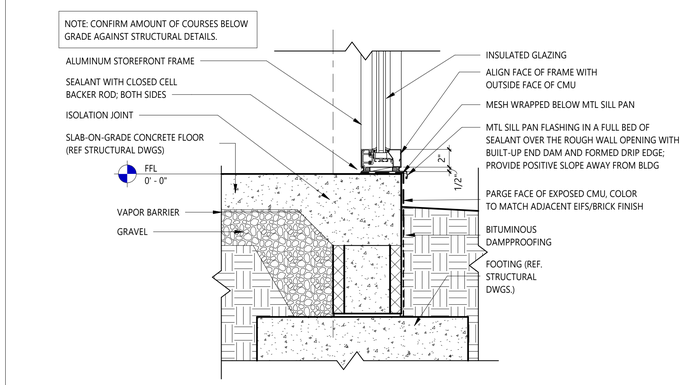
5 AL WINDOW- HEAD @ BRICK
SCALE: 3" = 1'-0"



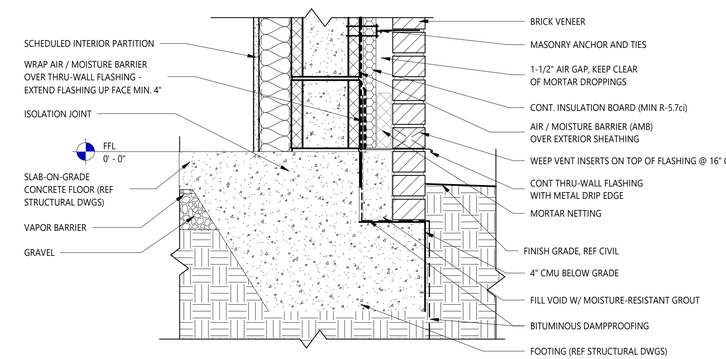
8 FOUNDATION DETAIL (STOREFRONT) - SIDEWALK CONDITION
SCALE: 1 1/2" = 1'-0"



1 FOUNDATION DETAIL (BRICK) - SIDEWALK CONDITION
SCALE: 1 1/2" = 1'-0"



4 FOUNDATION DETAIL (SOTREFRONT) - EARTH CONDITION
SCALE: 1 1/2" = 1'-0"



NOTE: CONFIRM AMOUNT OF COURSES BELOW GRADE AGAINST STRUCTURAL DETAILS.

7 FOUNDATION DETAIL (BRICK) - GRADE CONDITION
SCALE: 1 1/2" = 1'-0"

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD
REGISTERED ARCHITECT
6-23-2025

DATES OF ISSUANCE
06-09-2025 △

TITLE
EXTERIOR DETAILS

SHEET
A500

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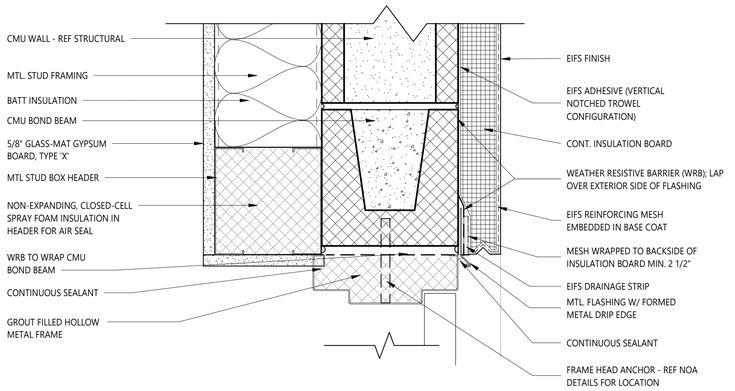
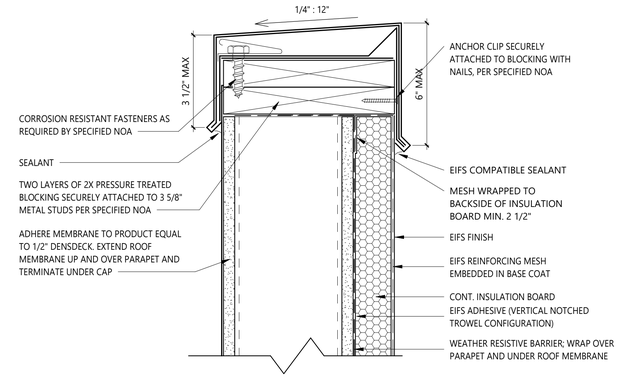
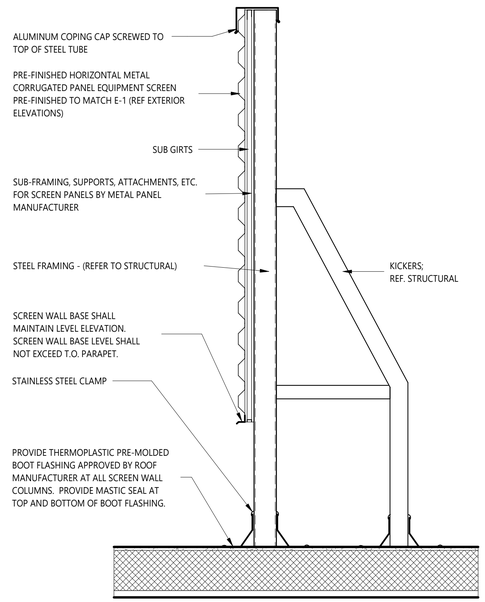


3 DOOR - EXT H.M. SWING - HEAD AT EIFS
SCALE: 3" = 1'-0"



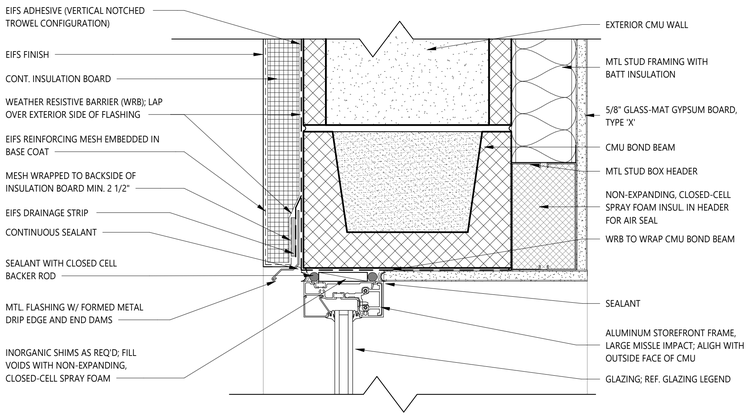
6 DETAIL AT PARAPET CAP, METAL STUD, TYP.
SCALE: 3" = 1'-0"

PROVIDE PRE-FINISHED METAL TOP CAP TRIM, BOTTOM EDGE TRIM, VERTICAL EDGE & CORNER TRIM

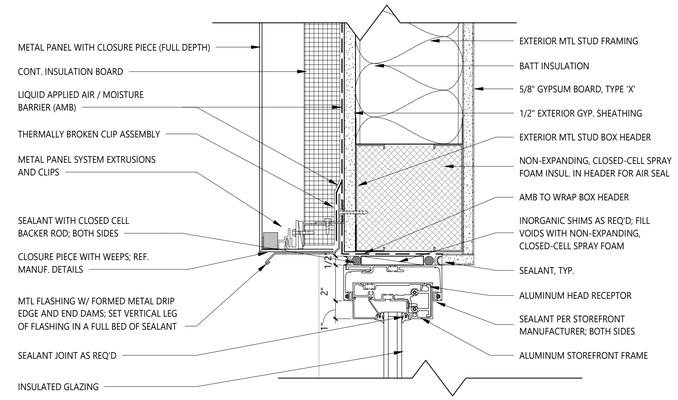


NOTE: SCREEN WALL ENCLOSURE SHALL FULLY VISUALLY SCREEN THE ENCLOSED EQUIPMENT. CONTRACTOR SHALL NOTIFY THE ARCHITECT IF FOR ANY REASON, THE ENCLOSURE HEIGHT MAY BE INSUFFICIENT TO ADEQUATELY SCREEN THE EQUIPMENT.

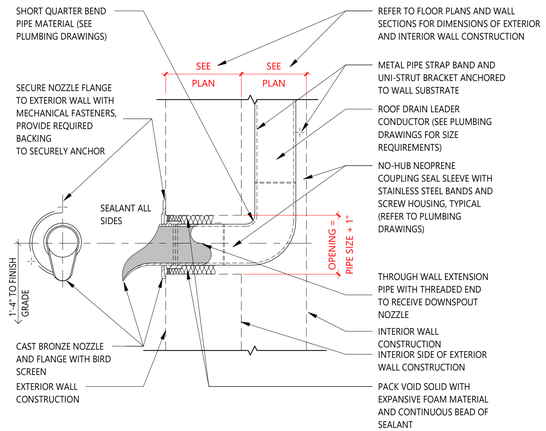
8 ROOF SCREEN SECTION
SCALE: 3/4" = 1'-0"



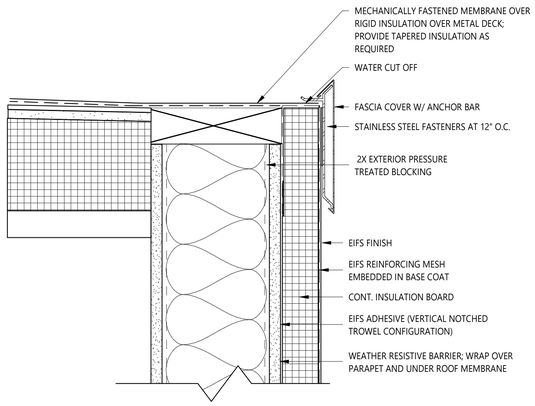
2 AL. WINDOW - HEAD @ EIFS, TYP.
SCALE: 3" = 1'-0"



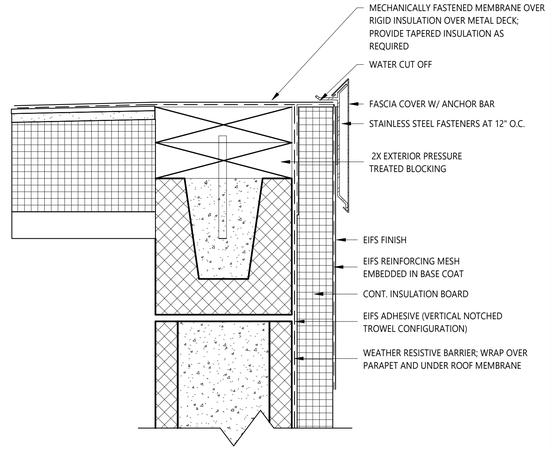
5 AL. WINDOW - HEAD @ MTL. PANEL
SCALE: 3" = 1'-0"



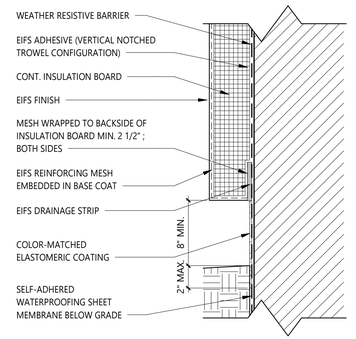
1 DOWNSPOUT NOZZLE OUTLET
SCALE: 1 1/2" = 1'-0"



4 DETAIL AT GRAVEL STOP, METAL STUD
SCALE: 3" = 1'-0"



7 DETAIL AT GRAVEL STOP, CMU
SCALE: 3" = 1'-0"



9 TERMINATION @ GRADE - EIFS
SCALE: 3" = 1'-0"

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TITLE
EXTERIOR DETAILS

SHEET
A501

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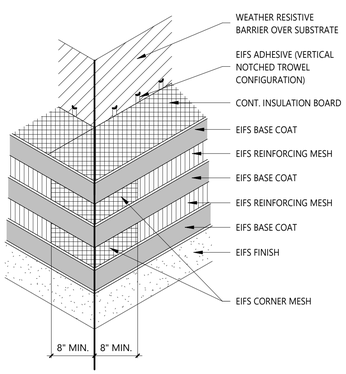
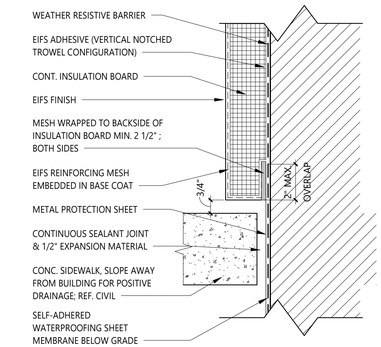
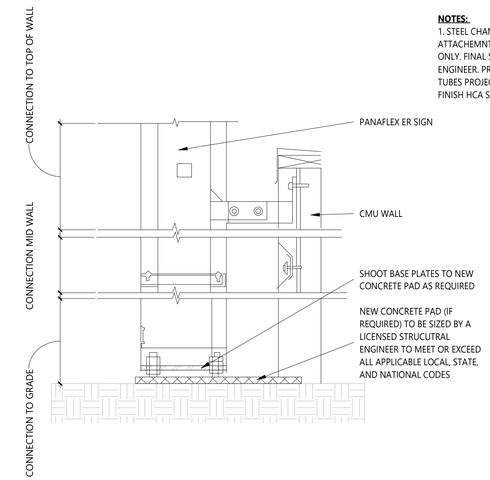


2 HIGH IMPACT EIFS ASSEMBLY
SCALE: 3" = 1'-0"



3 TERMINATION @ SIDEWALK - EIFS
SCALE: 3" = 1'-0"

1 HIGH IMPACT ASSEMBLY - EIFS
SCALE: 3" = 1'-0"



4 PENETRATION @ EIFS
SCALE: 3" = 1'-0"

NOTES:
1. STEEL CHANNEL(S) WELDED TO STEEL WALL ATTACHEMNT PLATE. SIZES SHOWN ARE IN EXAMPLE ONLY. FINAL SIZING TO BE BY A LICENSED STRUCUTRAL ENGINEER. PRE-DRILL BOLT HOLES FOR SECURING STUB TUBES PROJECTING FROM BACK OF "TOWER". PAINT FINISH HCA SLATE. SEMI-GLOSS FINISH.

5 ER CONNECTION SECTION DETAIL
SCALE: 1" = 1'-0"

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TITLE
EXTERIOR DETAILS

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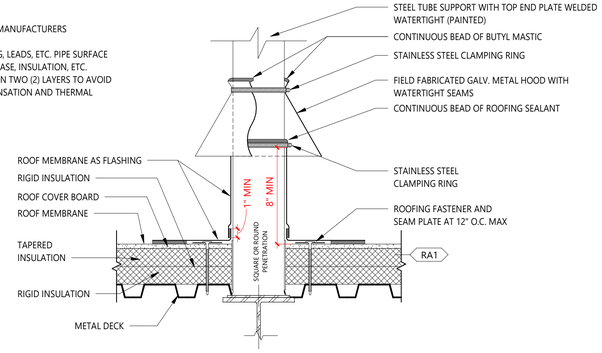
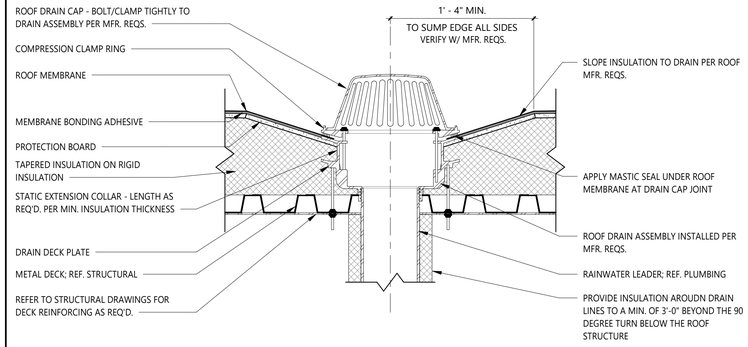
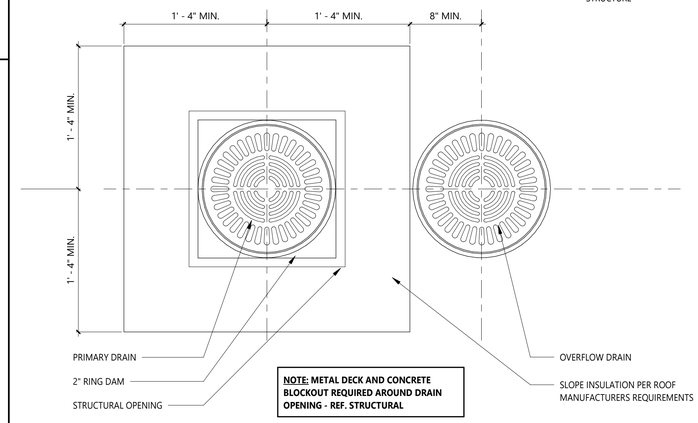
NOTES:
1. REFER TO SPECS FOR ROOFING MANUFACTURERS REQUIREMENTS.
2. REMOVE ALL EXISTING FLASHING, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. INSTALL ROOFING INSULATION IN TWO (2) LAYERS TO AVOID MOISTURE MIGRATION, CONDENSATION AND THERMAL BRIDGING.

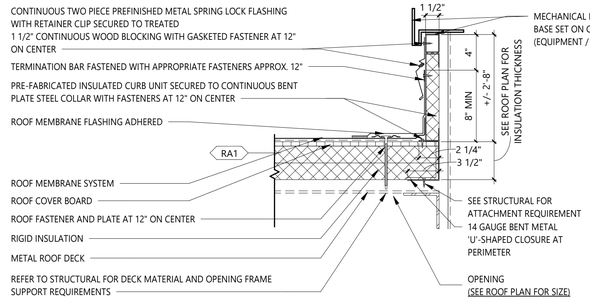


4 TUBE PENETRATION FLASHING DETAIL B3020
SCALE: 1 1/2" = 1'-0"



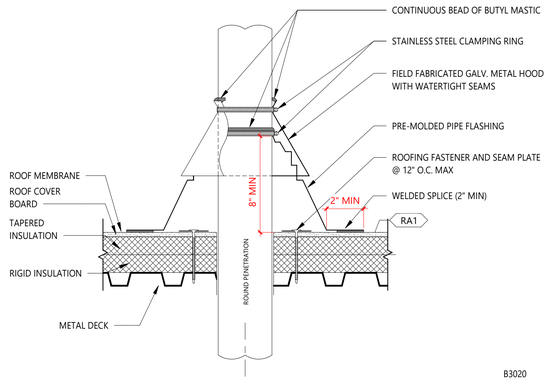


7 ROOF DRAIN - TYP.
SCALE: 1 1/2" = 1'-0"

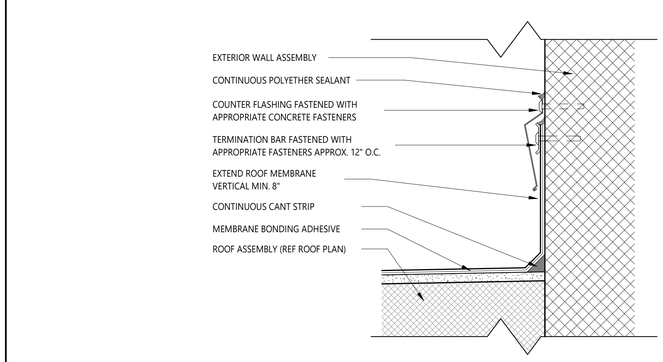


3 ROOFTOP EQUIPMENT PENETRATION AT METAL DECK B3020
SCALE: 1 1/2" = 1'-0"

NOTES:
1. REFER TO SPECIFICATION FOR ROOFING MANUFACTURERS REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY (REFER TO STRUCTURAL AND MECHANICAL DRAWINGS).
3. LARGE PRE-MOLDED PIPE FLASHING FITS 4"- 8" PENETRATION SIZES.
4. DO NOT USE WHEN SERVICE LINE TEMPERATURE EXCEEDS 160F, REFER TO HOT STACK PENETRATION DETAIL.
5. REFER TO STRUCTURAL DRAWINGS FOR DECK REINFORCING REQUIREMENTS.
6. INSTALL ROOFING INSULATION IN TWO (2) LAYERS TO AVOID MOISTURE MIGRATION, CONDENSATION AND THERMAL BRIDGING.

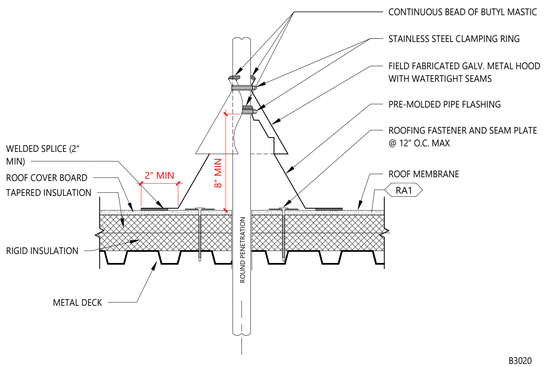


2 LARGE PIPE PENETRATION B3020
SCALE: 1 1/2" = 1'-0"



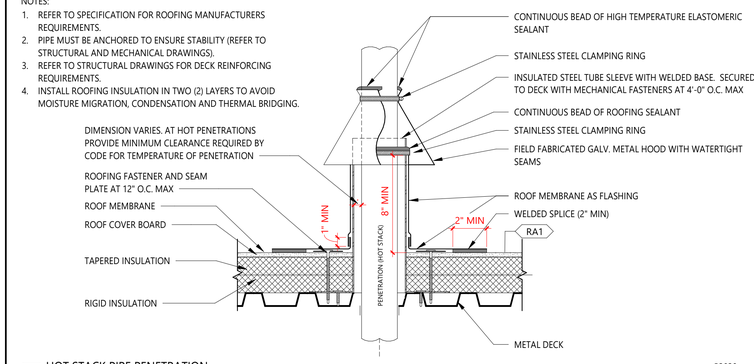
6 TYP. PARAPET/ ROOF TRANSITION
SCALE: 3" = 1'-0"

NOTES:
1. REFER TO SPECIFICATION FOR ROOFING MANUFACTURERS REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY (REFER TO STRUCTURAL AND MECHANICAL DRAWINGS).
3. SMALL PRE-MOLDED PIPE FLASHING FITS 1"- 3 1/2" PENETRATION SIZES.
4. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 160F, REFER TO HOT STACK PENETRATION DETAIL.
5. INSTALL ROOFING INSULATION IN TWO (2) LAYERS TO AVOID MOISTURE MIGRATION, CONDENSATION AND THERMAL BRIDGING.



1 SMALL PIPE PENETRATION B3020
SCALE: 1 1/2" = 1'-0"

NOTES:
1. REFER TO SPECIFICATION FOR ROOFING MANUFACTURERS REQUIREMENTS.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY (REFER TO STRUCTURAL AND MECHANICAL DRAWINGS).
3. REFER TO STRUCTURAL DRAWINGS FOR DECK REINFORCING REQUIREMENTS.
4. INSTALL ROOFING INSULATION IN TWO (2) LAYERS TO AVOID MOISTURE MIGRATION, CONDENSATION AND THERMAL BRIDGING.



5 HOT STACK PIPE PENETRATION B3020
SCALE: 1 1/2" = 1'-0"

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TITLE
ROOF DETAILS

SHEET
A503

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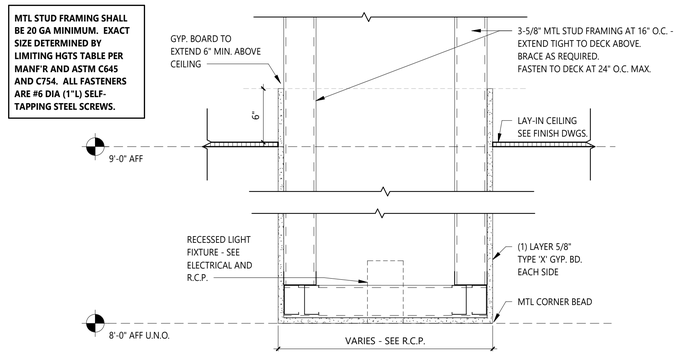
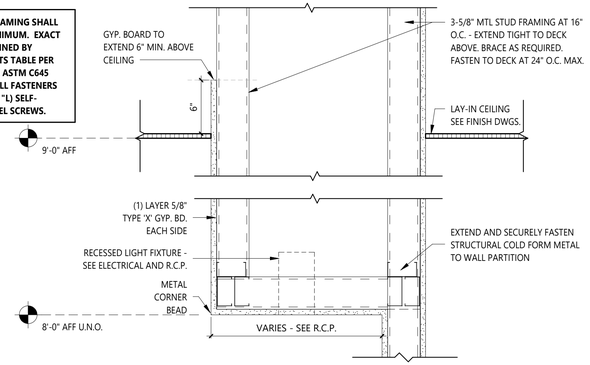
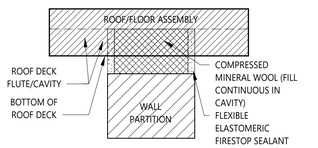


8 BULKHEAD DETAIL - WIDE
SCALE: 1 1/2" = 1'-0"

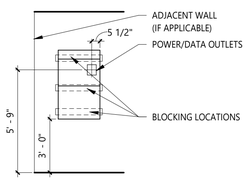


7 BULKHEAD DETAIL - AT WALL
SCALE: 1 1/2" = 1'-0"



PROVIDE A FIRE-RESISTANT JOINT SYSTEM BETWEEN THE ROOF/FLOOR ASSEMBLY AND FIRE-RESISTANCE-RATED WALL ASSEMBLY WHERE A FIRE RESISTANCE RATED WALL ASSEMBLY OR A SMOKE PARTITION DESIGNATION OCCURS ON THE LIFE SAFETY PLAN AND AS INDICATED ON THE RCP AS IDENTIFIED IN THE "EXTEND WALLS TO ROOF DECK" LEGEND(REFER TO UL ASSEMBLY HW-S-001 AND BW-S-001 FOR DETAILS)

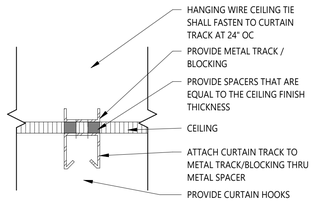
2 WALL TERMINATION DETAIL
SCALE: 3" = 1'-0"



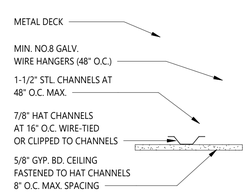
TYP. EXAM ROOMS. FAST-TRACK ROOMS

EQ17-PROXIMITY CABINET
#S-CWT-28

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



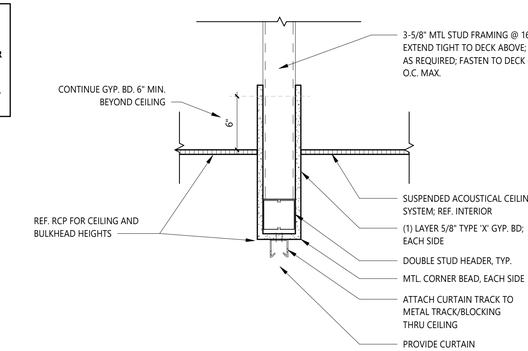
1 CURTAIN TRACK DETAIL
SCALE: 3" = 1'-0"



3 GYP BD DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. MTL STUD FRAMING SHALL BE 20 GA MINIMUM. EXACT SIZE DETERMINED BY LIMITING HGTS TABLE PER MANFACTURER AND ASTM C645 AND C754.

2. ALL FASTENERS ARE #6 DIA (1"L) SELF-TAPPING STEEL SCREWS.



6 BULKHEAD DETAIL - NARROW
SCALE: 1 1/2" = 1'-0"

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD, JR.
REGISTERED ARCHITECT
6-23-2025

DATES OF ISSUANCE
06-09-2025
△

TITLE
INTERIOR DETAILS

SHEET
A505

DOOR SCHEDULE

DOOR NUMBER		DOOR TYPE	WIDTH	HEIGHT	FIRE RATING	MATERIAL	PANEL	GLAZING	FRAME MATERIAL	FRAME TYPE	ACCESS CONTROL CR	KP	PB	MHO	DETAILS HEAD	JAMB	SILL	NOTES / REMARKS
201		DE	7'-4"	7'-0"	20 MIN	SCWD	NV	G5	HM	3				•	3/601	3/601		DOUBLE EGRESS, PANIC
203		SG	3'-0"	7'-0"	SMOKE	SCWD	F	-	HM	2					1/601	2/601		
204		SG	3'-6"	7'-0"	45 MIN	SCWD	F	-	HM	2	•				1/601	2/601		
205		SG	4'-0"	7'-0"	-	HM	F	-	HM	1								
206		SG	3'-0"	7'-0"	45 MIN	SCWD	NV	G5	HM	2	•				1/601	2/601		
207		SG	3'-0"	7'-0"	45 MIN	SCWD	F	-	HM	2	•				1/601	2/601		
208		SG	3'-0"	7'-0"	45 MIN	SCWD	F	-	HM	2	•				1/601	2/601		
209		SG	3'-0"	7'-0"	SMOKE	SCWD	F	-	HM	2					1/601	2/601		
210		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
211		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
212		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
213		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
214		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
215		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
216		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
217		SG	4'-0"	7'-0"	SMOKE	SCWD	NV	G2	HM	2					1/601	2/601		
218		SG	4'-0"	7'-0"	-	HM	F	-	HM	1	•							
221		SG	3'-6"	7'-0"	45 MIN	SCWD	G	G6	HM	2					1/601	2/601		INTEGRAL BLINDS WITH THUMBWHEEL TURN (ROOM SIDE ONLY)

FLORIDA BUILDING CODE NOTES:

1. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT; REFERENCE FBC 1010.1.9.
2. THE DOOR RELEASING MECHANISM FOR ANY LATCH SHALL BE LOCATED AT LEAST 34" AND NOT MORE THAN 48" A.F.F.; REFERENCE FBC 1010.9.2 & FBCA 404.2.7.
3. DOORS SHALL BE EQUIPPED WITH ACCESSIBLE-OPERABLE HANDLES (I.E. LEVER HANDLES). DOOR OPERATION MUST NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE; REFERENCE FBC 1010.1.9.1 & FBCA 404.2.7.
4. DOORS IN FIRE-RATED CONSTRUCTION SHALL COMPLY WITH FBC TABLE 716.5 AND BE SELF-CLOSING; REFERENCE FBC 716.5.9.
5. GLASS IN DOORS SHALL BE CATEGORY II SAFETY GLAZING PER FBC 2406.4.1; GLAZING WITHIN 24" OF DOORS SHALL BE CATEGORY II SAFETY GLAZING PER FBC 2406.4.2; GLAZING WHERE THE BOTTOM EDGE IS LESS THAN 18" A.F.F. SHALL BE CATEGORY II SAFETY GLAZING PER FBC 2406.4.3; GLAZING SHALL BE PROTECTED AS REQUIRED UNDER FBC 716.5; FIRE WINDOW ASSEMBLIES SHALL COMPLY WITH FBC 716.6 & TABLE 716.6 AS APPLICABLE.
6. THRESHOLDS AT DOOR OPENINGS SHALL NOT EXCEED 1/2" IN HEIGHT, ON FLOOR SURFACES ON BOTH SIDES OF DOOR OPENING, PER NFPA 101, 7.2.1.3.1. THRESHOLDS & DIFFERENCE OF FLOOR LEVELS AT EXTERIOR DOORS SHALL NOT EXCEED A 1/2" MAXIMIMUM, PER FBC 1010.1.7 & FBCA 303.3.
7. ALL EXTERIOR DOORS SHALL HAVE KEYED ACCESS FROM EXTERIOR.
8. DOOR IN MEANS OF EGRESS, AND ITS HARDWARE, SHALL COMPLY WITH FFPC NFPA-101 7.2.1.
9. ACCESS CONTROLLED DOORS SHALL COMPLY WITH FFPC NFPA-101 7.2.1.6.2.

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

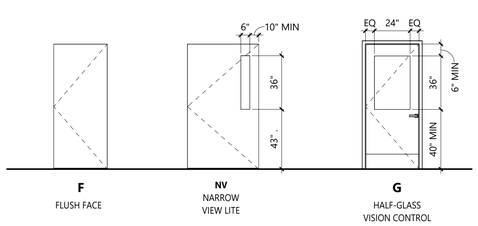
1. REFER TO SHEET A141 FOR DOOR ACCESS CONTROL.
2. PROVIDE SMOKE LABELED GASKETING ON ALL FIRE / SMOKE RATED DOORS.

DOOR ABBREVIATIONS LEGEND

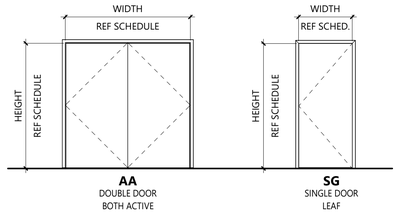
AL	ALUMINUM
CR	CARD READER
DBL	DOUBLE
EXT	EXTERIOR
GL	GLAZING
HM	HOLLOW METAL
AL/GL	ALUMINUM W/ GLASS
KP	KEYPAD
CR/KP	CARD READER/KEYPAD COMBO
MHO	MAGNETIC HOLD-OPENS
MOT	MOTION SENSOR
PB	PUSH BUTTON
PTD	PAINTED
RR	REMOTE RELEASE
SCWD	SOLID-CORE WOOD DOOR
SMOKE	SMOKE-TIGHT
THHD	THRESHOLD
STL	STEEL

GLAZING LEGEND

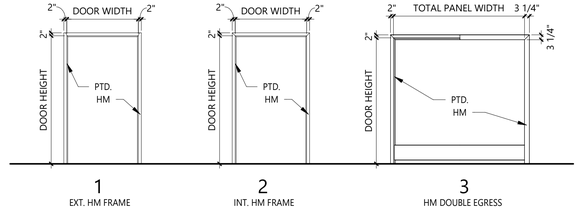
G1	GLASS TYPE 1 - 1 5/16" INSULATED LAMINATED GLAZING (1/4" OPTIBLUE TEMPERED WITH PPG SOLARBAN Z75 LOW E ON #2, AIR SPACE, 9/16" CLEAR LAMI (.180 SGP INNERIAYER)
G1-S	GLASS TYPE 1 (SPANDREL) - 1 5/16" INSULATED LAMINATED GLAZING (1/4" OPTIBLUE TEMPERED WITH PPG SOLARBAN Z75 LOW E ON #2, AIR SPACE, 9/16" CLEAR LAMI (.180 SGP INNERIAYER) WITH OPACIFIED CERAMIC FRIT ON #4 SURFACE
G-2	GLASS TYPE 2 - 1/4" TEMPERED GLAZING
G-5	GLASS TYPE 5 - CERAMIC FIRE RATED GLAZING
G-6	GLASS TYPE 6 - TEMPERED WITH INTERNAL WINDOW BLINDS



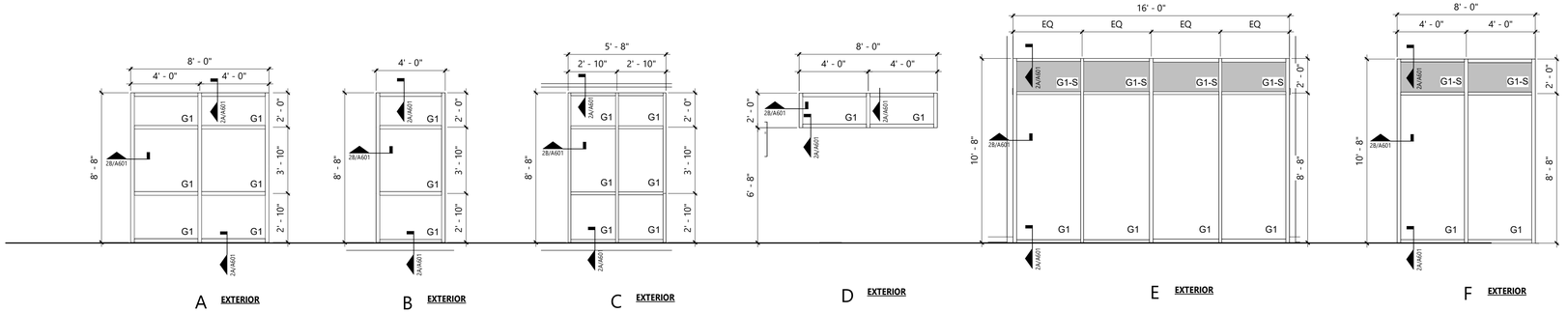
DOOR PANELS
SCALE: 1/4" = 1'-0"



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



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



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

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STATUS
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AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD
REGISTERED ARCHITECT
6-23-2025

DATES OF ISSUANCE
06-09-2025 △

TITLE
DOOR & WINDOW SCHEDULES

SHEET
A600

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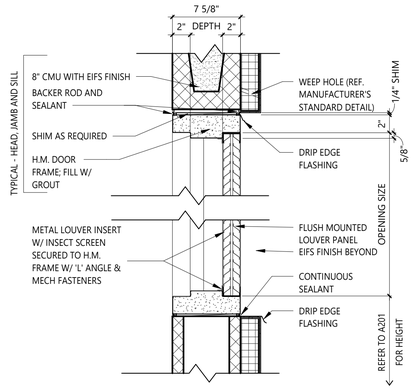
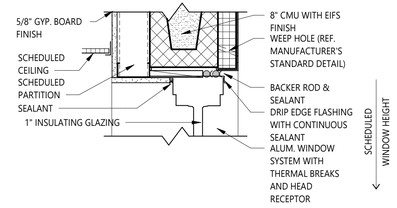
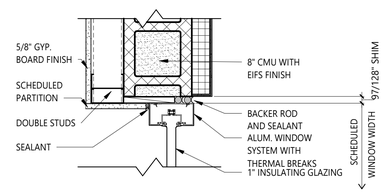


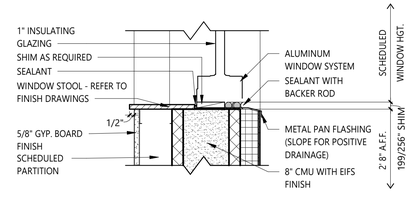
10 WINDOW - H.M. LOUVER FRAME
SCALE: 1 1/2" = 1'-0"



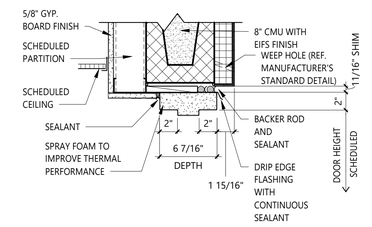
9 WINDOW DETAIL - HEAD1
SCALE: 1 1/2" = 1'-0"



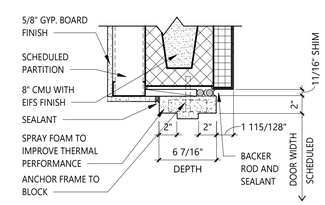
8 WINDOW DETAIL - JAMB1
SCALE: 1 1/2" = 1'-0"



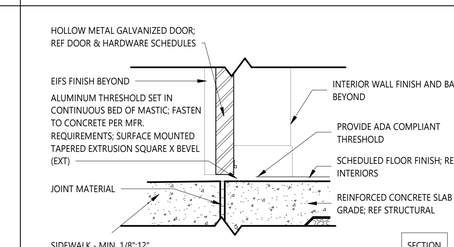
7 WINDOW DETAIL - TYP SILL FLASHING1
SCALE: 1 1/2" = 1'-0"



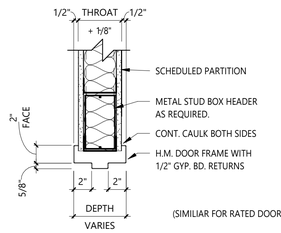
6 DOOR - H.M. HEAD (EXT)1
SCALE: 1 1/2" = 1'-0"



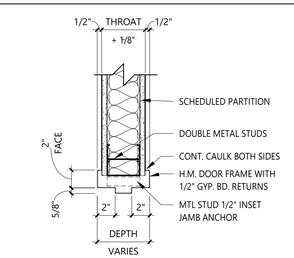
5 DOOR - H.M. JAMB (EXT)1
SCALE: 1 1/2" = 1'-0"



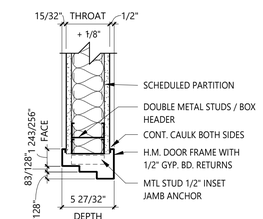
4 EXTERIOR HM SWING - SILL @ EIFS
SCALE: 1 1/2" = 1'-0"



3 DOOR - H.M. HEAD (INT)
SCALE: 1 1/2" = 1'-0"



2 DOOR - H.M. JAMB (INT)
SCALE: 1 1/2" = 1'-0"



1 DOOR - H.M. DBL EGRESS JAMB (INT)
SCALE: 1 1/2" = 1'-0"

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
West Florida Hospital

STATUS CONSTRUCTION DOCUMENTS

William E. Hereford, III
AR # 96247

DATES OF ISSUANCE
06-09-2025

SHEET TITLE DOOR & WINDOW DETAILS

SHEET A601

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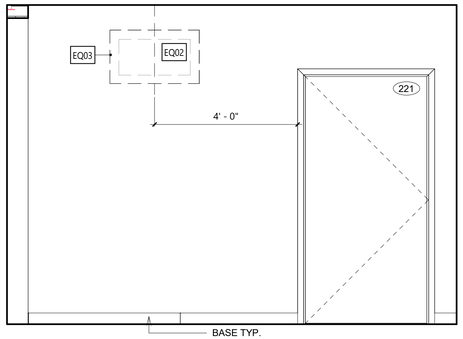
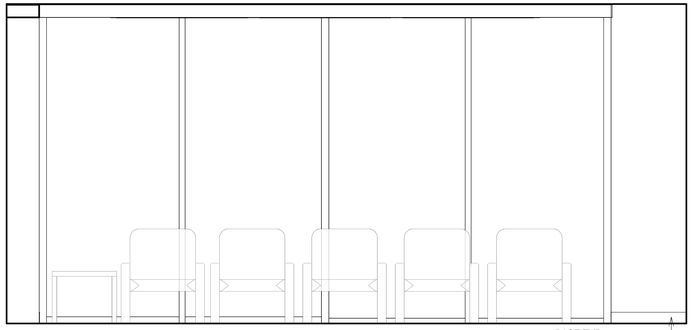
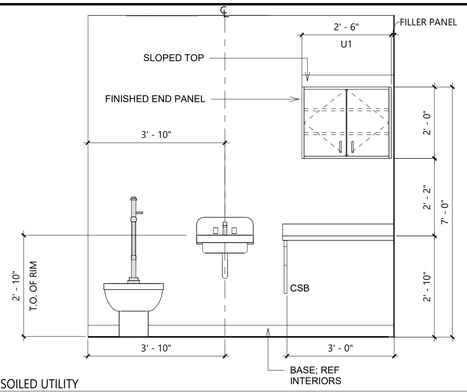


3 WAITING ROOM
SCALE: 1/2" = 1'-0"



4 WAITING ROOM
SCALE: 1/2" = 1'-0"



8 SOILED UTILITY
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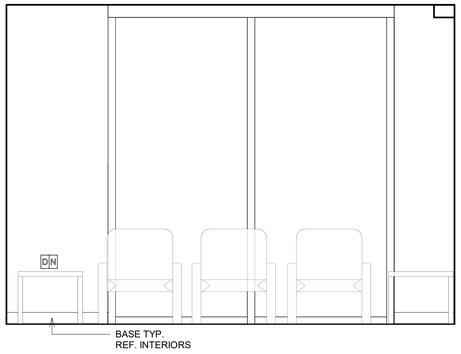
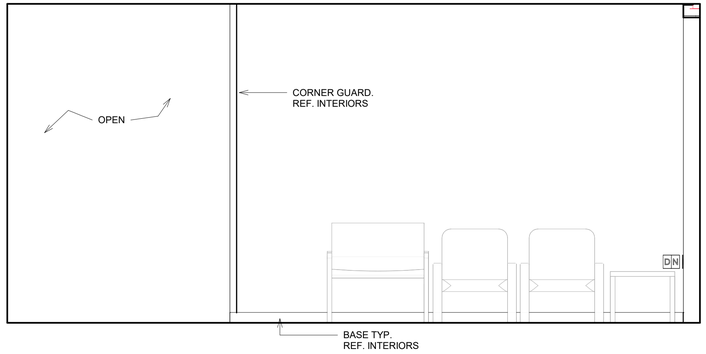
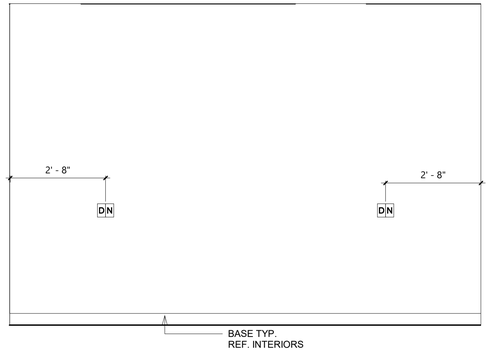


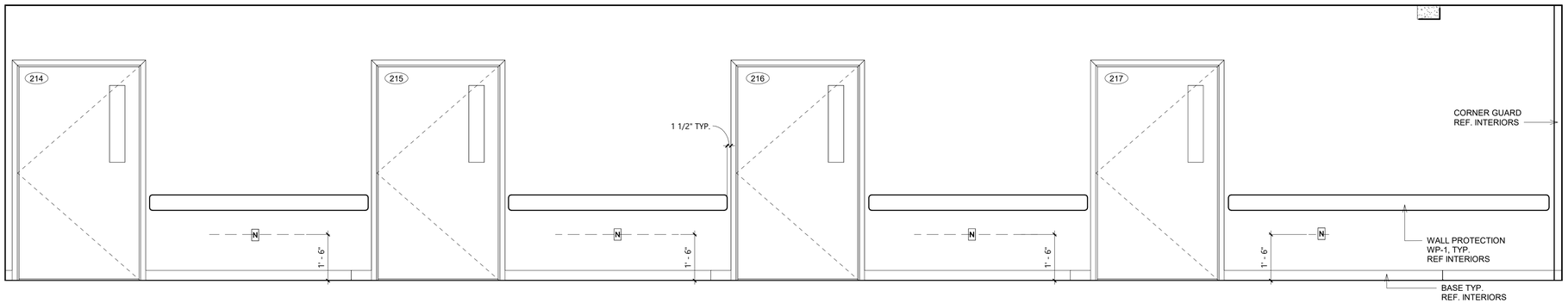
7 WAITING ROOM
SCALE: 1/2" = 1'-0"



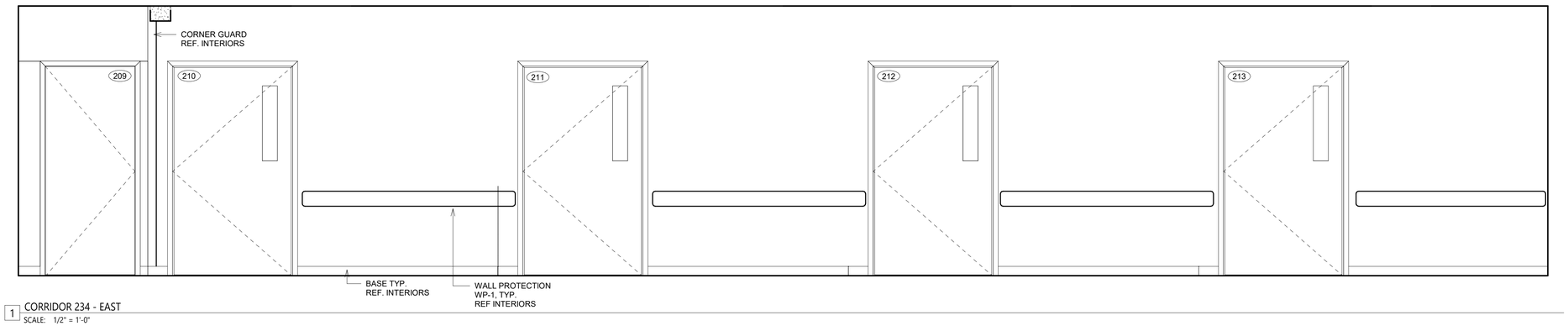
6 WAITING ROOM
SCALE: 1/2" = 1'-0"



5 EQUIP ALCOVE
SCALE: 1/2" = 1'-0"



2 CORRIDOR 234 - WEST
SCALE: 1/2" = 1'-0"



1 CORRIDOR 234 - EAST
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.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	N	NORMAL POWER
BC	BED CONNECTOR	NC	NURSE CALL
CB	CODE BLUE	O	OXYGEN
CR	CARD READER	PB	PUSH BUTTON
D	NETWORK CONNECTION / DATA	RL	REMOTE LOCKDOWN
DR	DOOR STOP	S	SLIDE
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
		ZV	ZONE VALVE BOX

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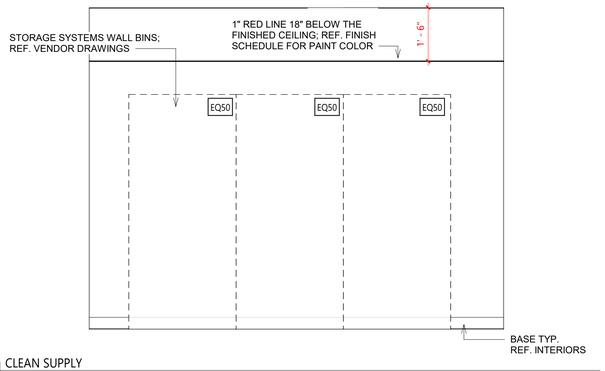
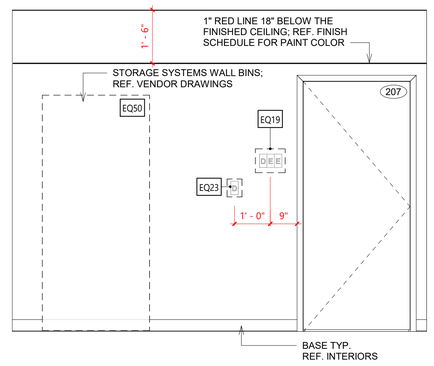
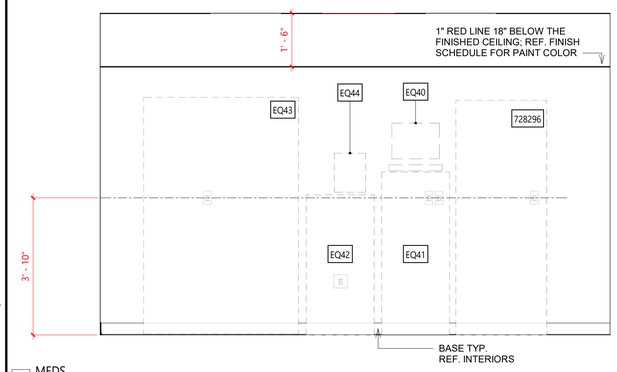
SHEET
A700



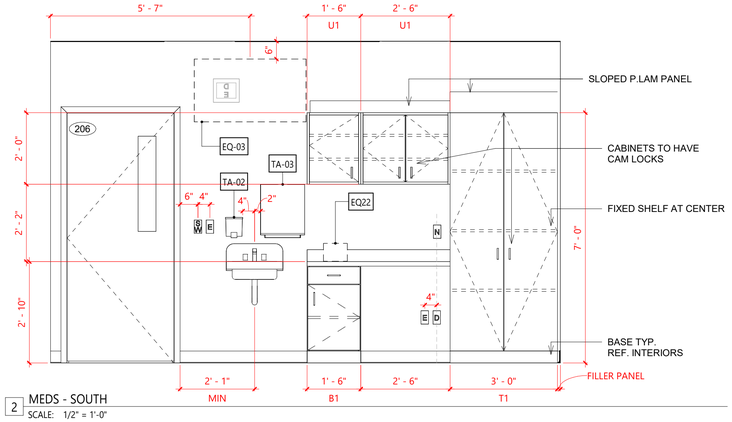
4 CLEAN SUPPLY
SCALE: 1/2" = 1'-0"



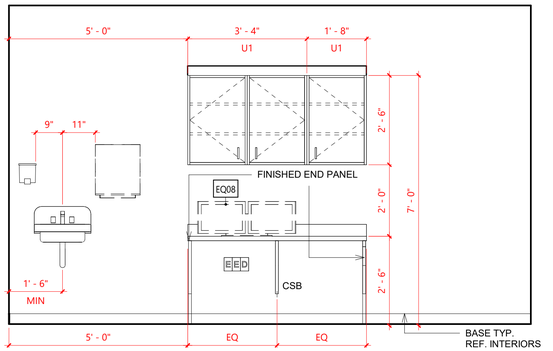
6 CLEAN SUPPLY
SCALE: 1/2" = 1'-0"



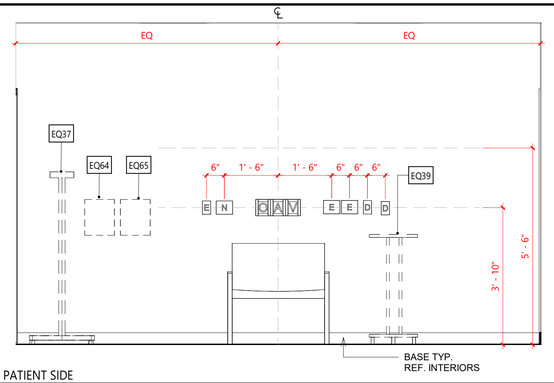
1 MEDS
SCALE: 1/2" = 1'-0"



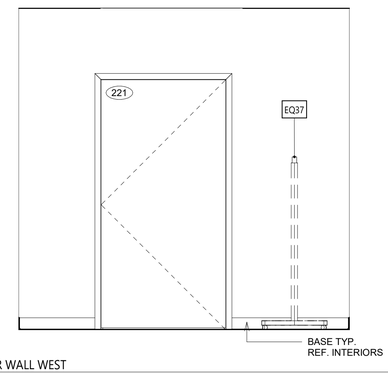
2 MEDS - SOUTH
SCALE: 1/2" = 1'-0"



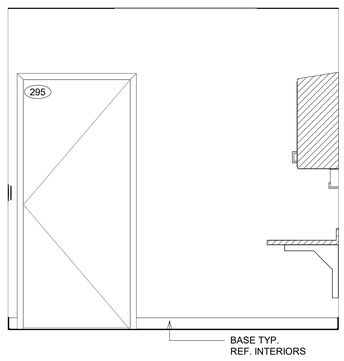
8 TRIAGE STAFF SIDE
SCALE: 1/2" = 1'-0"



9 TRIAGE PATIENT SIDE
SCALE: 1/2" = 1'-0"



7 TRIAGE DOOR WALL WEST
SCALE: 1/2" = 1'-0"



10 TRIAGE DOOR WALL EAST
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.

EQUIPMENT ABBREVIATION LEGEND

A	MEDICAL AIR	N	NORMAL POWER
BC	BED CONNECTOR	NC	NURSE CALL
CB	CODE BLUE	O	OXYGEN
CR	CARD READER	PB	PUSH BUTTON
D	NETWORK CONNECTION / DATA	RL	REMOTE LOCKDOWN
DR	DOOR STOP	S	SLIDE
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
		ZV	ZONE VALVE BOX

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD III
REGISTERED ARCHITECT
6-23-2025

DATES OF ISSUANCE
06-09-2025
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TITLE
INTERIOR ELEVATIONS

SHEET
A701

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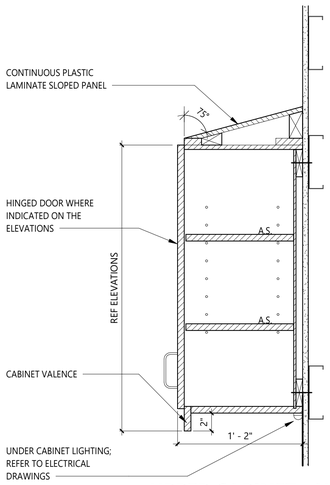
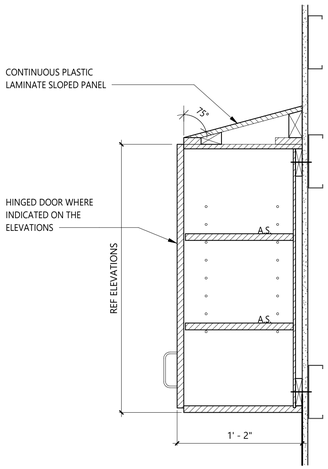
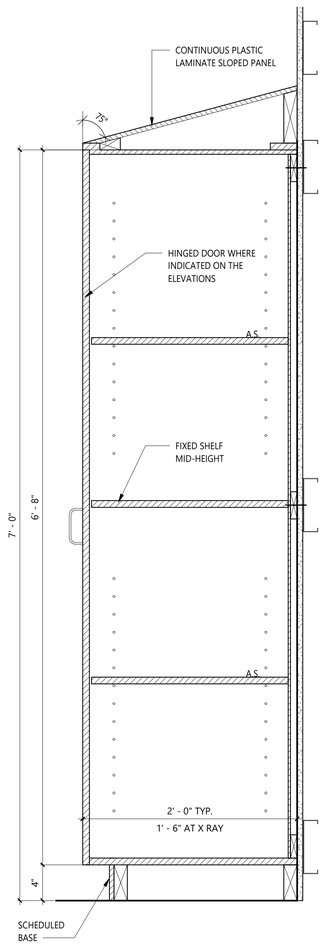


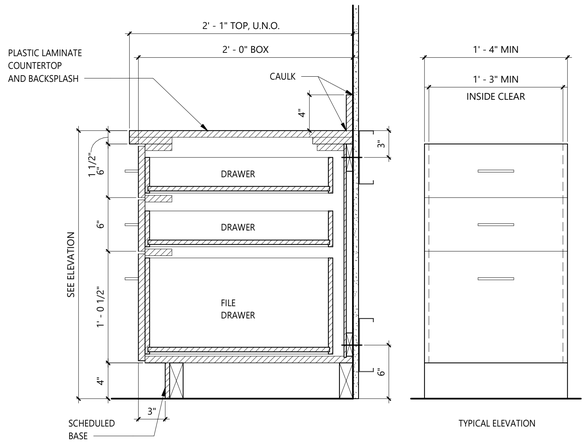
UPPER CABINET - U2



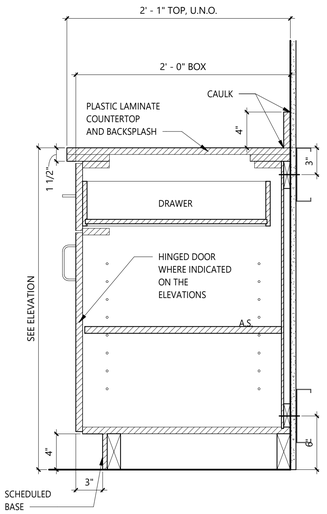
UPPER CABINET - U1



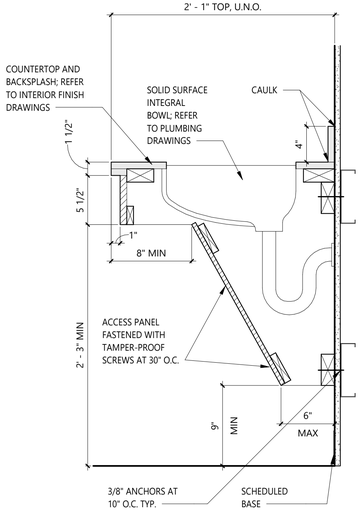
TALL CABINET - T1



BASE CABINET - B2



BASE CABINET - B1



BASE CABINET - B3

5 CASEWORK SECTIONS
SCALE: 1 1/2" = 1'-0"

CASEWORK NOTES

1. ALL HORIZONTAL DIMENSIONS TO BE FILED VERIFIED BY CONTRACTOR AND/OR SUPPLIER PRIOR TO INSTALLATION. COORDINATE WITH ADA CLEARANCE PLAN SHEET.
2. PROVIDE LAMINATE FILLER PANELS, WHEREVER REQUIRED, A MAXIMUM OF 3" IN WIDTH UNLESS OTHERWISE NOTED.
3. MAXIMIZE AND EQUIALIZE LENGTHS OF ALL UNITS WHEREVER POSSIBLE.
4. THE CONTRACTOR SHALL COORDINATE AND ENSURE THAT THE WORK OF OTHER TRADES INSTALLED IN THE CASEWORK IS PERFORMED IN ACCORDANCE WITH THE BEST PRACTICES.
5. CONTRACTOR TO COORDINATE SIZE OF OPENING FOR OWNER FURNISHED EQUIPMENT WITH OWNER FURNISHED EQUIPMENT BROCHURE PROVIDED TO THE GENERAL CONTRACTOR.
6. ALL BASE AND WALL MOUNTED CABINETS, INCLUDING OPEN SHELVING, WILL HAVE ADJUSTABLE SHELVING, UNLESS NOTED OTHERWISE.
7. REFER TO FINISH PLANS FOR LAMINATE SELECTIONS.
8. RADIUS ALL EXPOSED EXTERIOR CORNERS ON ALL COUNTERTOPS PER DETAIL PROVIDED. INDICATE RADIUS IN PLAN ON SHOP DRAWINGS. FIELD FABRICATED RADIUS NOT ACCEPTABLE.
9. KNEE SPACES AND APRON UNITS ARE TO BE PROVIDED WITH COUNTER UPPER BRACKET PER SPECIFICATIONS.
10. ALL EXPOSED INTERIORS OF OPEN CABINETS, CABINETS WITH GLASS DOORS, AND WALL CABINET TOPS AND BOTTOMS SHALL BE PLASTIC LAMINATE IN SAME COLOR AND FINISH AS CABINET EXTERIORS.
11. ALL EXPOSED SURFACES ON UNDERSIDE OF COUNTERTOP NOSING AND UNDERSIDE OF BASE CABINET AT TOE SPACE TO HAVE LAMINATE FINISH. TYPICAL EXPOSED LEDGER SUPPORTS IN KNEE SPACES TO HAVE LAMINATE FINISH.
12. COUNTEROPS WHERE SINKS OCCUR SHALL HAVE A WATER RESISTANT CORE.
13. REFER TO ELECTRICAL DOCUMENTS FOR LOCATIONS OF UNDER-CABINET LIGHTS VALANCE INDICATED AT SOME LOCATIONS NOT DESIGNATED FOR UNDER-CABINET LIGHTS.
14. GROMMET LOCATIONS TO BE CONFIRMED IN FIELD UPON PLACEMENT OF COUNTER TOP EQUIPMENT WITH COORDINATION OF ARCHITECT & DIRECTOR OF INFORMATION SYSTEMS.
15. REFER TO SPECIFICATIONS FOR HARDWARE AND ACCESSORY MATERIALS.
16. PROVIDE CAM LOCKS FOR ALL DOORS AND DRAWERS WHERE NOTED.
17. CONTRACTOR TO VERIFY BASE HEIGHT WITH FINISH DOCUMENTS AND ELEVATIONS. AREAS SCHEDULED WITH RSB1 BASE REQUIRE 6" TOE SPACE.
18. CASEWORK TO BE MODIFIED AS REQUIRED FOR ELECTRICAL RECEPTACLES.
19. CLOSE ALL CAVITIES AT TOP AND BOTTOM OF CASEWORK AT FILLER PANELS TO PREVENT INSECT AND RODENT ENTRANCE.
20. CONTRACTOR SHALL SUBMIT CASEWORK SHOP DRAWINGS TO ARCHITECT FOR REVIEW.

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PROJECT # 225004.00

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3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06-09-2025
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TITLE
CASEWORK DETAILS

SHEET
A710

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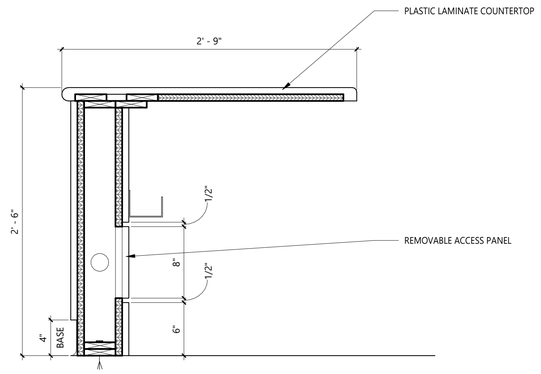
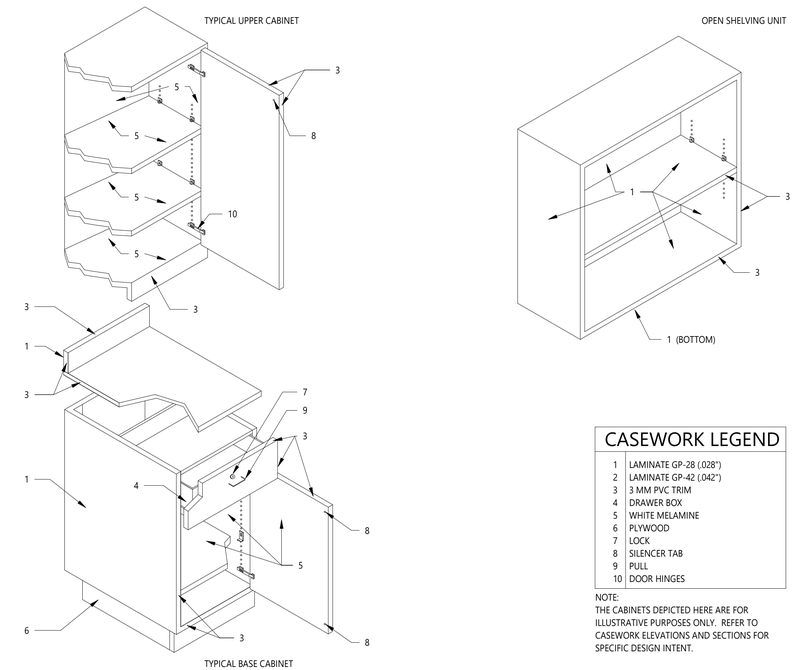


5 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"

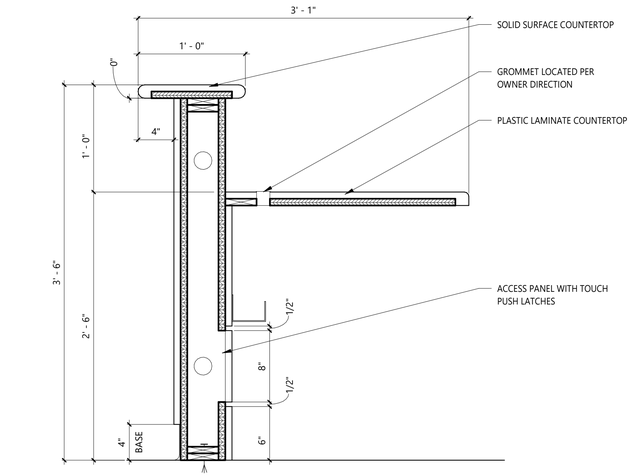


CASEWORK LEGEND

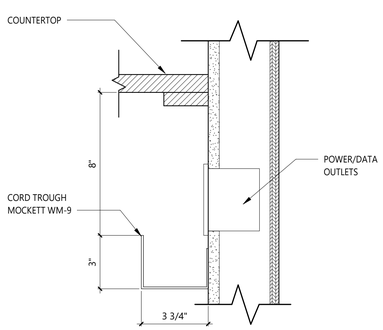
1	LAMINATE GP-28 (.028")
2	LAMINATE GP-42 (.042")
3	3 MM PVC TRIM
4	DRAWER BOX
5	WHITE MELAMINE
6	PLYWOOD
7	LOCK
8	SILENCER TAB
9	PULL
10	DOOR HINGES

NOTE:
THE CABINETS DEPICTED HERE ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO CASEWORK ELEVATIONS AND SECTIONS FOR SPECIFIC DESIGN INTENT.

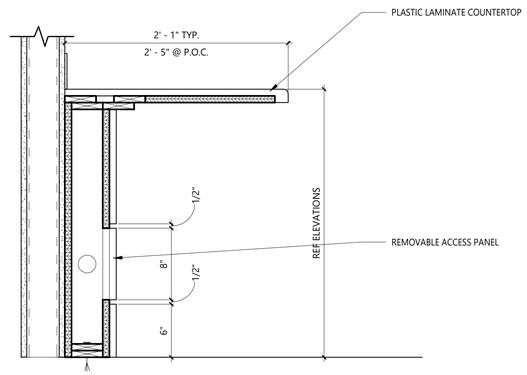
4 PLASTIC LAMINATE CASEWORK AXONOMETRIC
SCALE: 1/4" = 1'-0"



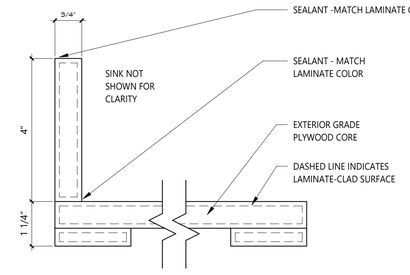
3 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



2 CABLE TROUGH DTL
SCALE: 3" = 1'-0"

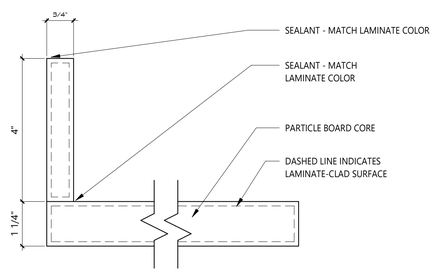


7 CABLE TROUGH DTL Copy 1
SCALE: 1 1/2" = 1'-0"



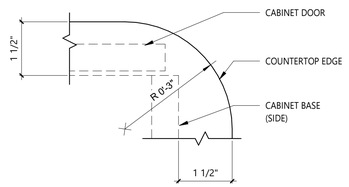
NOTE: CONCEALED SURFACES MAY BE BACKER LAMINATE

COUNTERTOP DETAIL AT SINK

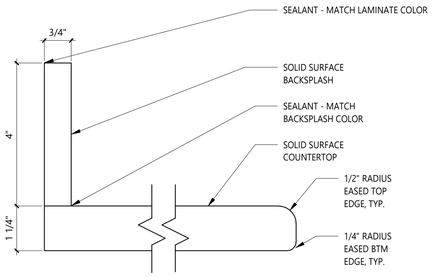


NOTE: CONCEALED SURFACES MAY BE BACKER LAMINATE

COUNTERTOP DETAIL (P.LAM. TYP.)



COUNTERTOP CORNER DETAIL



NOTE: CONCEALED SURFACES MAY BE BACKER LAMINATE

COUNTERTOP DETAIL (SOLID SURF. TYP.)

1 COUNTERTOP DETAILS
SCALE: 6" = 1'-0"

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AHCA #3093000034

STATE OF FLORIDA
WILLIAM E. HEREFORD
REGISTERED ARCHITECT
6-23-2025

DATES OF ISSUANCE
06-09-2025

TITLE
CASEWORK DETAILS

SHEET
A711

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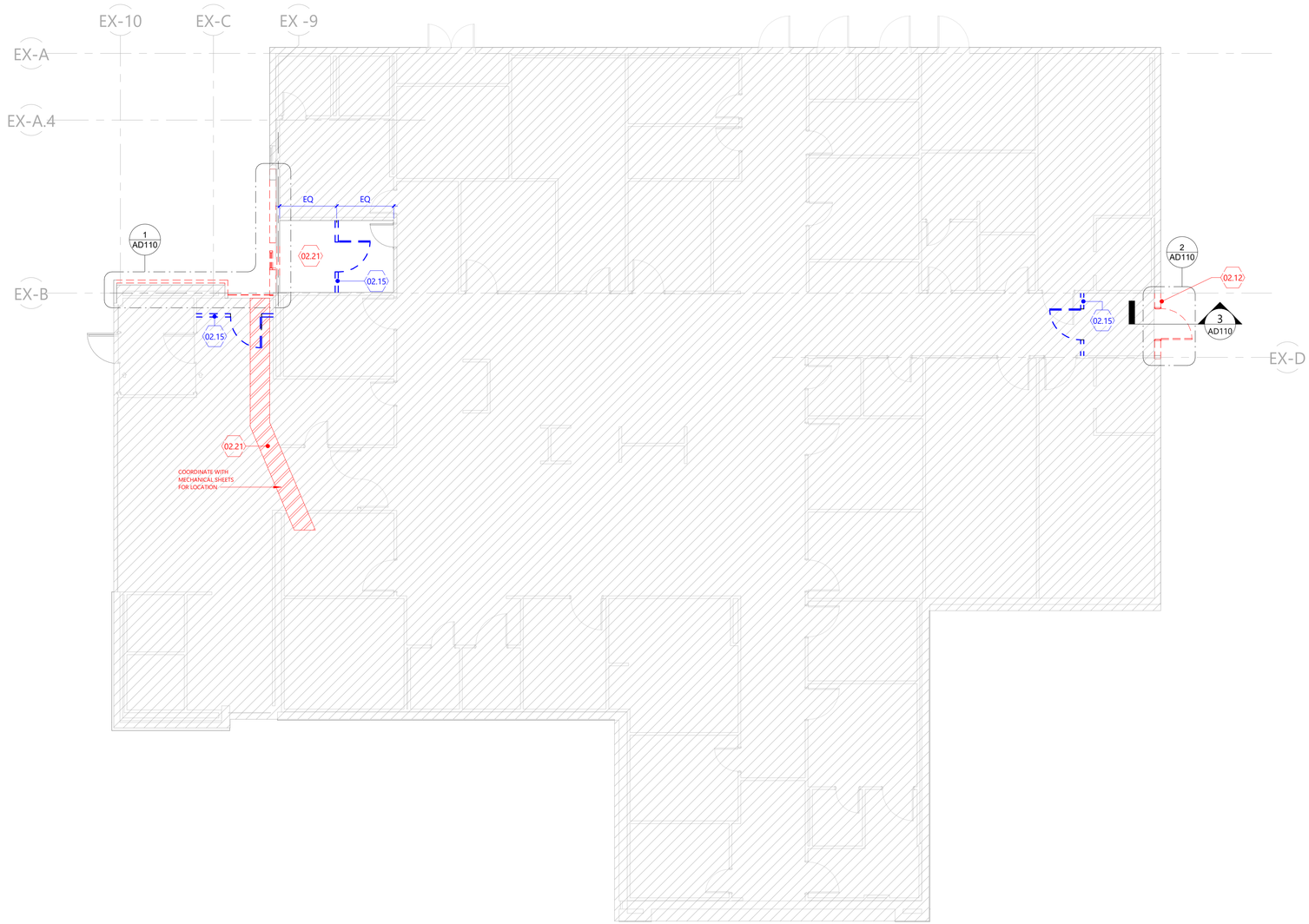

1 OPTION 2 - FLOORPLAN
SCALE: 1/8" = 1'-0"

DEMO PLAN NOTES

1. PRINT SHEET IN COLOR FOR CLARITY
2. ALL COMPONENTS INDICATED TO BE REMOVED AND SALVAGED SHALL BE TEMPORARILY STORED IN AN ON-SITE SELF-CONTAINED STORAGE CONTAINER THAT IS SECURED. GC SHALL COORDINATE LOCATION OF STORAGE CONTAINER WITH OWNER PRIOR TO BEGINNING OF DEMOLITION. THE OWNER SHALL IDENTIFY THE ITEMS LEFT TO BE RELOCATED OR REMOVED OFF-SITE.
3. ALL COMPONENTS INDICATED TO BE REMOVED SHALL BE DISPOSED OFF-SITE DAILY.
4. ONCE EACH EXISTING COMPONENT HAS BEEN REMOVED OR SALVAGED, PROVIDE & PREPARE A CLEAN, SMOOTH SURFACE ACCEPTABLE TO RECEIVE WORK.
5. REFER TO OTHER DISCIPLINES/DRAWING SHEETS IN THE CONTRACT DOCUMENTS FOR FURTHER DEMOLITION NOTES.
6. ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE INDICATED. ALL WORK THAT RELATED TO OR IS IN ANY WAY AFFECTED BY THE EXISTING CONDITION SHALL BE MODIFIED TO ACHIEVE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY WAY OF FIELD ASSESSMENT, VERIFICATION, AND MEASUREMENTS. ADVISE THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE AFFECTED ASPECTS OF DEMOLITION OR CONSTRUCTION.
7. THE GC SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT BUILDING OCCUPANTS, MATERIALS, AND EXISTING FINISHES THROUGH OUT ALL PHASES OF CONSTRUCTION. ANY DAMAGE TO THE "EXISTING-TO-REMAIN" CONSTRUCTION COMPONENTS SHALL BE RESTORED TO THE ORIGINAL CONDITION AT THE GC'S EXPENSE.
8. OWNER SHALL REMOVE ALL FURNITURE AND ARTWORK PRIOR TO CONSTRUCTION.
9. UNLESS NOTED OTHERWISE, ALL FLOORING, WALL BASE, AND ANY ASSOCIATED COMPONENTS SHALL BE REMOVED.
10. UNLESS NOTED OTHERWISE, ALL CEILING TILES, GRID, AND ANY ASSOCIATED COMPONENTS SHALL BE REMOVED.
11. UNLESS NOTED OTHERWISE, ALL FIXTURES SECURED TO THE WALLS AND ANY ASSOCIATED BLOCKING SHALL BE REMOVED FROM THE SPACE AND SALVAGED INCLUDING: WINDOW COVERINGS, FIRE EXTINGUISHERS, GRAB BARS, AND SIGNAGE).
12. UNLESS NOTED OTHERWISE, ALL ELECTRICAL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE REMOVED FROM THE SPACE AND SALVAGED.
13. UNLESS NOTED OTHERWISE, ALL MECHANICAL FIXTURES AND ASSOCIATED COMPONENTS SHALL BE REMOVED FROM THE SPACE AND SALVAGED.
14. REMOVE EXISTING FIRE RATED CEILING WHERE APPLICABLE IN THE SCOPE OF RENOVATION WORK. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO REMOVAL.

ICRA PLAN LEGEND

TEMPORARY ICRA BOUNDARY
TEMPORARY DOOR
OVERHEAD MEP CONNECTION
TACKY MAT

KEYNOTE SCHEDULE

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

02.12 REMOVE EXISTING WALL TO EXTENT SHOWN.
02.15 INSTALL ICRA BARRIER PER SPEC, DETAILS ---- AND ---; CONFIRM LOCATION WITH FACILITY INFECTION CONTROL LEADER
02.21 REMOVE EXISITING CEILING

PRINT THIS SHEET IN COLOR

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△

TITLE
FLOOR PLAN - FULL DEMOLITION PLAN

SHEET
AD100

FINISH SELECTIONS & GENERAL NOTES

MATERIAL CONTACTS

Please contact the following representatives for special pricing.

MANUFACTURER	TYPE OF FINISH	NAME, EMAIL, PHONE #
Acrovyn	Wall Protection	Dave Bronovicki dbronovicki@c-sgroup.com
Armstrong Ceilings	Ceiling	Jen Bartlett 717.396.4325 HCA@armstrong.com HPG#6924
Armstrong Flooring	Flooring	Holly Curtiss 615.971.9971 hcurtiss@crossvilleinc.com
Corian	Solid Surface	Meg Tucker 629.224.7179 mtucker@oldenkamp.com
Daltile	Ceramic Tile	Abby Finnegan 615.519.9672 abby.finnegan@daltile.com
Interface	Flooring	Ryan Jones 615.499.1736 ryan.jones@interface.com HPG#5504
Logistic Solutions	Floor Purchasing	Logistics Solutions LLC customersvc@logisolutions.net 615.750.2014
Roppe	Rubber Base	Kristy Nash 813.870.0391 knash@roppe.com
Schluter Systems	Metal Trim	Jack Leblanc 225.483.2758 jleblanc@schluter.com
Sherwin Williams	Interior Paint	Andrew Flippin Andrew.flippin@sherwin.com HPG#5893
Sika	Epoxy Flooring	Jim Ziegler www.usa.sika.com/en/contact-sika-usa.html
Standard Textile	Window Shades	Kristen Hain 336.847.2365 hcaprojects@standardtextile.com HPG#500
Wilsonart	Plastic Laminate	Chris Fleming 615.292.2188 fleming2@wilsonart.com

CEILINGS

CODE	ITEM	TYPE/ LOCATION	MANUFACT.	DESCRIPTION
ACT1	Acoustical Ceiling Tile	General Ceilings	Armstrong Ceilings	"Ultima" 1910 Fine Texture 24" x 24" x 3/4" Square Lay-In with 15/16" Prelude XL Grid, Factory Painted White NRC: 0.75, CAC: 35
EXP	Exposed Ceiling	See Finish Plans		
GYP	Gypsum Board Ceiling	See Finish Plans		

MISCELLANEOUS

Contractor Provided/Installed Items

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
W1	Window Shades	Exam Rooms & Staff Areas	Standard Textile	Product: XD Fascia (GS EV 3%) Color: Cloud

CASEWORK

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
PL1	Plastic Laminate	Interior Doors	Wilsonart	Pattern: Mambo 7948 Finish: 07 Textured Gloss
SS1	Solid Surface	Transaction Tops, Window Stools	Corian	Color: Cameo White Thickness: 1/2" Edge Profile: Eased w/ 1.5" apron

GENERAL CASEWORK NOTE: ALL CASEWORK IS TO BE PROVIDED BY HERMAN MILLER. SEE ARCHITECTURAL AND EQUIPMENT SPECIFICATIONS FOR MORE INFORMATION.

METAL TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
SCH1	Tile Edge Trim	Walls-Tile	Schluter Systems	Jolly Aluminum Finish: Brushed Stainless Steel

BASE/TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
SVB1	Integral Sheet Vinyl Base	Walls-Restrooms, Soiled Utility	Armstrong	Series and Color: To Match Sheet Vinyl Flooring Height: 6"H, Outside Corner: Boot Adhesive: **Manufacturer Recommended** Notes: Flash cove up walls to form self coved integral base. Seams to be heat welded with solid rod Alpine Landscape WG110.
RB1	Rubber Base	Walls-Field	Roppe	Style: Pinnacle Rubber Base with Standard Toe Height: 4"H, 5/8" Thick Color: 129 Dolphin Adhesive: **Manufacturer Recommended** Notes: Coved and continuous rolls. Miter inside corners. Do NOT use pre-molded outside corners.

WALLS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
EP1	Epoxy Paint	Walls-Scrubbable	Sherwin Williams	Color: Origami White SW7636 Formula/Finish: Pro Industrial Water Based Catalyzed Epoxy Eg-Shel
P1	Wall Paint	Walls-General	Sherwin Williams	Color: Origami White SW7636 Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P2	Wall Paint	Walls-Accent	Sherwin Williams	Color: Mindful Gray SW7016 Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P3	Ceiling Paint	Ceilings - GYP	Sherwin Williams	Color: SW7007 Ceiling Bright White Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
P4	Metal Paint	Metal Doors, Views, & Frames	Sherwin Williams	Color: Match Adjacent Wall Formula/Finish: Pro Industrial Acrylic Semi-Gloss
P5	Wood Paint	Wood Door Window Views	Sherwin Williams	Color: Match Adjacent Wall Formula/Finish: Pro Industrial Acrylic Semi-Gloss
P6	Detail Paint	Walls-Storage Rooms	Sherwin Williams	Color: SW6868 Real Red Formula/Finish: ProMar 200 Zero V.O.C. Interior Latex Eg-Shel
CWT1	Ceramic Wall Tile	Walls-Restrooms	Daltile	Pattern: Color Wheel Classic Color: Almond Size: 4" x 4", 5/16" Thick Grout: Laticrete, Spectralock Pro Premium Grout Color: 90 Light Pewter Grout Joint: 1/16" Installation: See "TILE" Section
CWT2	Ceramic Wall Tile	Walls-Restrooms	Daltile	Pattern: Color Wheel Classic Color: Architectural Gray Size: 4" x 4", 5/16" Thick Grout: Laticrete, Spectralock Pro Premium Grout Color: 90 Light Pewter Grout Joint: 1/16" Installation: See "TILE" Section

FLOORING

CODE/ KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
LVT1	Luxury Vinyl Tile	Floors-Field	Interface	Style: Drawn Lines A009 Color: Bronze A00903 Size: 25cm x 1m x 4.5mm Adhesive: **Manufacturer Recommended** Installation: Square Edge, Ashlar
EF1	Epoxy Floor	Floors-Electrical, Med Gas	Sika	Style: Sikafloor Merflex-ES Color: Match Existing Notes: See Architectural specifications for more information.
SVF1	Sheet Vinyl Floor	Floors-Restroooms, Soiled Utility	Armstrong Flooring	Style: Medintone Color: Cocomilk H2001 Roll Width: 6' - 6" x 0.080" Adhesive: **Manufacturer Recommended** Notes: Seams to be heat welded with solid weld rod Alpine Landscape WG110.

GENERAL FLOORING NOTE: ALL FLOORING IS TO BE PURCHASED THROUGH LOGISTIC SOLUTIONS BY THE GENERAL CONTRACTOR. SEE ARCHITECTURAL SPECIFICATIONS FOR MORE INFORMATION.

FLOORING TRANSITION STRIPS

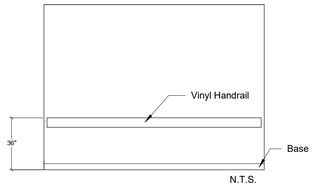
CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
TS1	Transition Strip	LVT to SVF	Sheet Flooring	Armstrong Flooring, weld rod Alpine Landscape WG110
TS2	Transition Strip	1/8" Resilient to Epoxy	Schluter Systems	Vinpro- U, Aluminum Finish: Brushed Chrome Anodized Backfill with thin set to prevent denting.
TS3	Transition Strip	New Flooring to Existing Flooring	Schluter Systems	Contractor to submit ADA compliant transition from that is appropriate for new/existing flooring heights.

WALL PROTECTION ITEMS

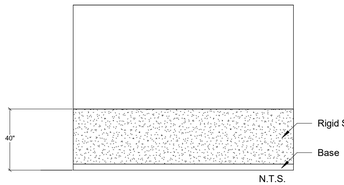
CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard-2"	Corners-90 degree	Acrovyn	Style: CO-8 Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
⌊	Corner Guard-3.5"	Corners-End Wall Protector	Acrovyn	Style: SCO-8 Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
▲	Corner Guard-Modified	Corners-Odd Angle	Acrovyn	Style: CO-8M Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
	Handrail-Vinyl	See plans	Acrovyn	Style: HRB-4C Height: 5-1/2" Vinyl Color: Mushroom 305
	Rigid Sheet-Vinyl	See plans	Acrovyn	Style: Acrovyn Wall Covering Thickness: 0.040" Texture: Suede Vinyl Color: Mushroom 305 Notes: For top sheet termination, utilize matching vinyl top cap trim piece. Color match caulk is preferred at all vertical seams, but *CONFIRM WITH END USER IF THEY PREFER VERTICAL TRIM PIECES.*
	Bumper Rail-Vinyl	See plans	Acrovyn	Style: BG-10 Height: 4" Vinyl Color: Mushroom 305 Retainer: 0.080" Aluminum

WALL PROTECTION CONFIGURATIONS

WP1. Handrail to be mounted @ 36" above finish floor to top of rail. Handrail is to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.

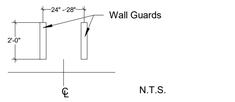


WP2. Sheet wall protection to be adhered to wall and top of sheet is to be @ 40" AFF. Locations with rubber base, the base is ONLY to overlap the sheet by 1/4". Locations with sheet vinyl base, the sheet is to sit firmly on top of the cove cap and color matched caulked.



WP3. Wall Guards to be placed vertical at all locations of patient beds. See Architectural sheets for further details.

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 vertcally.

GENERAL WALL PROTECTION NOTE: DO NOT APPLY SHEET WALL PROTECTION TO ANY EXTERIOR WALL.

GENERAL NOTES

1. All work shall be guaranteed against defects 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 architect/designer shall be notified of any 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. All parties responsible for delivering finishes to the site should check quantities and delivery dates as soon as bid is awarded to avoid any reselection of material.
6. 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.
7. Furniture is to be owner furnished, owner installed unless otherwise noted on the furniture plan.
8. For all products installed, note industry standards and manufacturer specifications for installation.
9. All interior wall, ceiling and trim finishes meet a Class A flamespread rating of 25 or less, and shall have a smoke development of 250 or less.
10. All interior flooring meets Class I and II flamespread ratings.
11. 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.
12. Final Clean Up: The contractor shall coordinate with the project schedule to make certain that all housekeeping cleanup items are done prior to 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.
13. 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

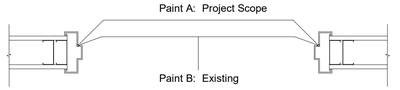
3.2 For remaining finish samples, a photo of the front of sample, as well as manufacturer label, is required.
4. To avoid variances and dye lot issues, the full amount of project finish materials need to be purchased at one time.
5. Wood grain laminates are to have the grain running in a vertical direction, 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 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 to be: SS1.

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. Gypsum (GYP) ceilings are to be painted with the same paint type as adjacent wall. If walls are epoxy, ceilings should be epoxy as well. If walls are latex eggshell, ceilings should be as well. *ALL CEILINGS SHOULD BE COLOR "CEILING BRIGHT WHITE" UNLESS A SOFFIT ACCENT COLOR IS INDICATED.*
3. Edges of cut ceiling tiles are to be painted with ceiling manufacturer's matching touch-up paint.
4. For renovation work where not all ceiling tiles are being replaced: replace all damaged ceiling tiles as necessary. Utilize existing ceiling tiles from one enclosed room for replacement tiles. Provide all new in above-mentioned enclosed room. This ensures ceiling tiles look uniform, avoiding a mismatched look when damaged tiles are sporadically replaced with new.

C: PAINT

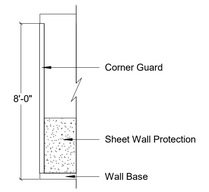
1. Prior to the application of paint, the contractor is to repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish. Prepare door frames or metal surfaces by sanding by chips/burrs, filling dents and caulking cracks 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. In the case where a door frame receives a paint color on one side and another paint color on the opposite side of the door, the transition shall occur on the inside corner of the jamb stop.

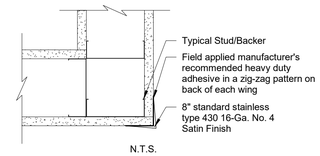


9. If rubber base is not used, finish drywall to the floor where sealed concrete is the flooring. Contractor is to install a bead of caulk at drywall/concrete transition.
10. All Storage/Supply rooms are to receive a 1" painted horizontal red line 18" from bottom of the sprinkler head around the room, paint color: P6.
11. 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. Surface Mount Corner Guard - Elevation and Detail View. Corner Guard is to be installed so that the top of corner guard aligns with the top of sheet wall protection. Avoid field cutting.





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.

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404

HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

STATE OF FLORIDA · REBECCA GUITTAR DONNER · LICENSED INTERIOR DESIGNER

Rebecca Guittar Donner
AR # 0004305

DATES OF ISSUANCE
06/06/2025

TITLE: FINISH SELECTIONS & GENERAL NOTES

SHEET: F0.1

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FINISH SELECTIONS & GENERAL NOTES

F: FLOORING

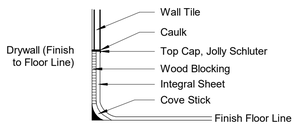
1. All traditional rubber base is to be 4" H, coved, and continuous rolls. Miter inside corners, wrap outside corners of jobsite. Do NOT use premolded corners.
2. Utilize caulk at rubber base where base meets door frames. Caulk is to be clear.
3. Utilize caulk at door frames where the frame meets the flooring. Color of caulk color is to match door frame.
4. All floors are to be taped or covered during construction to protect the material until final completion.
5. Where new flooring or base is specified, the same flooring or base should extend into any closets, storage areas, etc. adjacent to that space unless otherwise noted.
6. Floor pattern shall extend under any open space under casework or kneespace, even when it appears to stop on plan.
7. Refer to manufacturer's guidelines for floor prep and installation. All flooring adhesives must meet manufacturer's specifications.
8. Manufacturer's recommended adhesive is to be based on application and concrete moisture %.
9. 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 Armstrong recommended. 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.
10. Where sheet vinyl flooring is used, a proposed seaming diagram MUST be submitted and approved by the Interior Designer.
11. Minimize the amount of seams. Avoid seams extending into a doorway.
12. For renovations, existing flooring is to be removed by the contractor prior to applying the specified flooring product.
13. For HCA projects, all flooring should be purchased and tracked through Logistic Solutions and Mannington. See material contacts section for contact information.

G: FLOORING TRANSITIONS

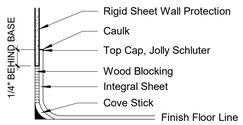
1. All reducer strips and other thresholds are to be located at the centerline of door when in a closed position, unless otherwise noted.
2. Utilize clear caulk to seal where flooring transition meets flooring to eliminate gaps.
3. All floor transitions are to be taped or covered during construction 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#

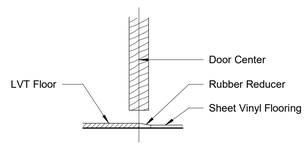
5. For base transitions between wall tile and sheet vinyl flooring, reference detail below for installation:



6. For base transitions between rigid sheet vinyl and sheet vinyl flooring, reference detail below for installation:

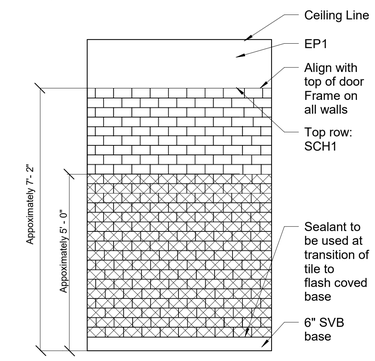


7. For transitions between luxury vinyl flooring and sheet vinyl flooring, reference detail below for installation:



H: TILE

1. See WALLS section for grout formulas and colors.
2. All ceramic tile shall in Restrooms shall have Latricrete, Pro Premium grout. Refer to Finish Material Legend for color selection.
3. All transitions between ceramic wall tile and paint shall be made with a Schluter trim element, unless otherwise noted.
4. 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.
5. Below is a typical elevation of the Patient 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.



1 RESTROOMS
3/8" = 1'-0"

CWT1 - Daltile, CWC

CWT2 - Daltile, CWC

ROOM SCHEDULE

NAME	NUMBER	CEILING	WALL	ACCENT	BASE	FLOOR	WINDOW	COMMENTS
CONSULT	105	ACT1	P1	P2	RB1	LVT1		
NURSE STATION	202	ACT1	P1	P2	RB1	LVT1		SS1 AT WALLCAPS & TRANSACTION TOPS.
P.O.C.	202	ACT1	P1	P2	RB1	LVT1		
ELECTRICAL	203	GYP-P4	P1		RB1	EF1		3" STRIPING 36" ON FLOOR OUT FROM EACH ELEC. PANEL.
EQUIP STORAGE	204	ACT1	P1		RB1	LVT1		RED LINE(P6) ON WALL 18" FROM BOTTOM OF SPRINKLER HEAD AROUND PERIMETER OF ROOM.
MED GAS	205	GYP-P4	P1		RB1	EF1		
MEDS	206	ACT1	P1		RB1	LVT1		
CLEAN SUPPLY	207	ACT1	P1		RB1	LVT1		RED LINE(P6) ON WALL 18" FROM BOTTOM OF SPRINKLER HEAD AROUND PERIMETER OF ROOM.
SOILED UTILITY	208	ACT1	EP1		SVB1	SVF1		
PATIENT TLT	209	ACT1	CWT1, CWT2, & EP1		SVB1	SVF1		
EXAM 1	210	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 2	211	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 3	212	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 4	213	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 5	214	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 6	215	ACT1	P1	P2	RB1	LVT1	W1,SS1	
EXAM 7	216	ACT1	P1	P2	RB1	LVT1	W1,SS1	
WAITING	217	ACT1	P1	P2	RB1	LVT1	W2,SS1	
EXAM 8	217	ACT1	P1	P2	RB1	LVT1	W1,SS1	
TRIAGE	218	ACT1	P1	P2	RB1	LVT1		
ALCOVE	218	ACT1	P2		RB1	LVT1		
CORRIDOR	219	ACT1	P1		RB1	LVT1	W2,SS1	

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
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HCA Florida Gulf Coast Hospital
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STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

Rebecca Guittar Donner
AR # 0004305

DATES OF ISSUANCE
06/06/2025
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TITLE
FINISH SELECTIONS & GENERAL NOTES, ROOM SCHEDULE

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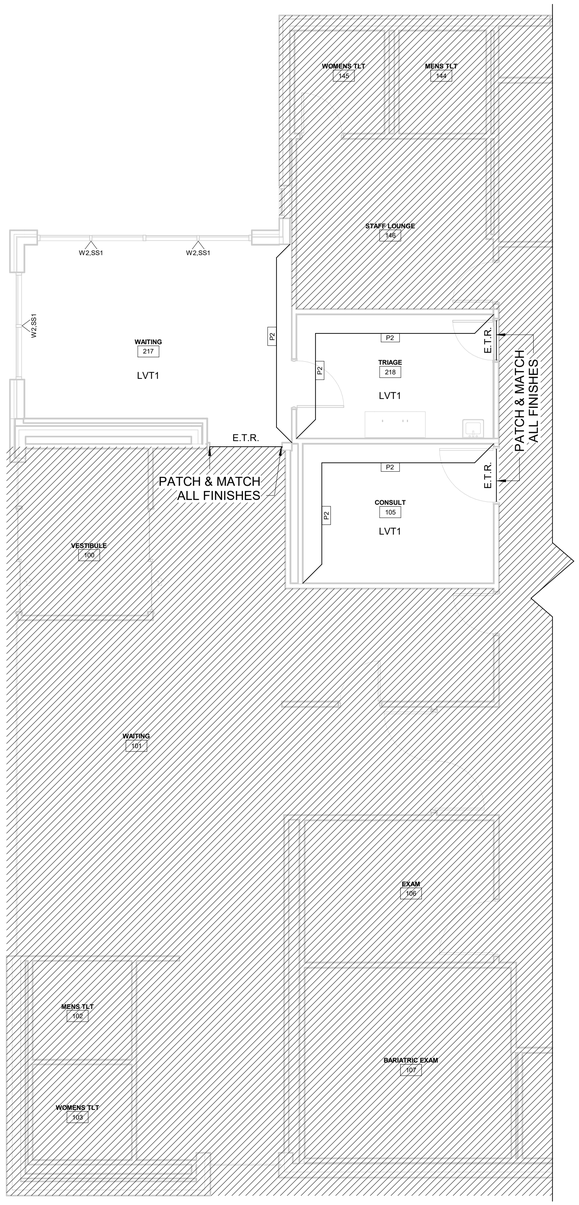
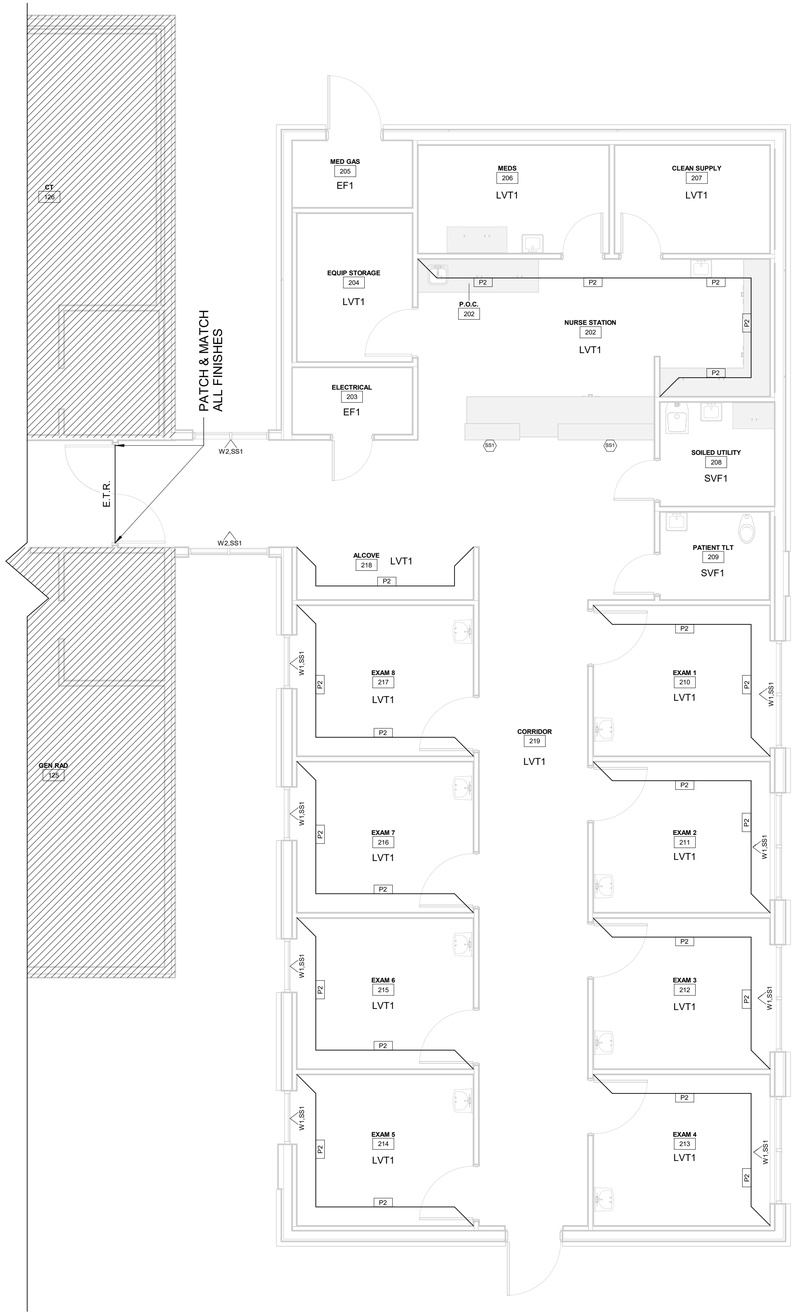




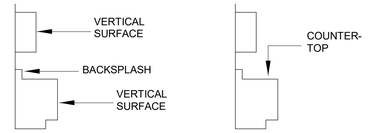
1 FINISH PLAN
3/16" = 1'-0"

FINISH PLAN LEGEND

ITEM	CODE	LOCATION	NOTE
CHAIR RAIL	CR1	ENTRY VESTIBULE, WAITING AREA, & WHEELCHAIR ALCOVE	CR1 to be installed prior to paint and wall protection

CEILING FINISH	ACT1
WALL FINISH	P1
BASE	RB1
FLOORING	C1

SS1 — DENOTES COLOR OF SINGLE SURFACE, VERTICAL OR HORIZONTAL



ETR= Existing finishes are to remain
NIS = Not in Scope
PM= Patch and Match existing finishes
UON= Unless Otherwise Noted

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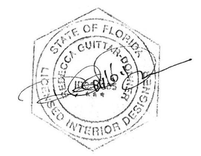
PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034



Rebecca Guittar Donner
AR # 0004305

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06/06/2025
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SHEET TITLE
FINISH PLAN

F1.1

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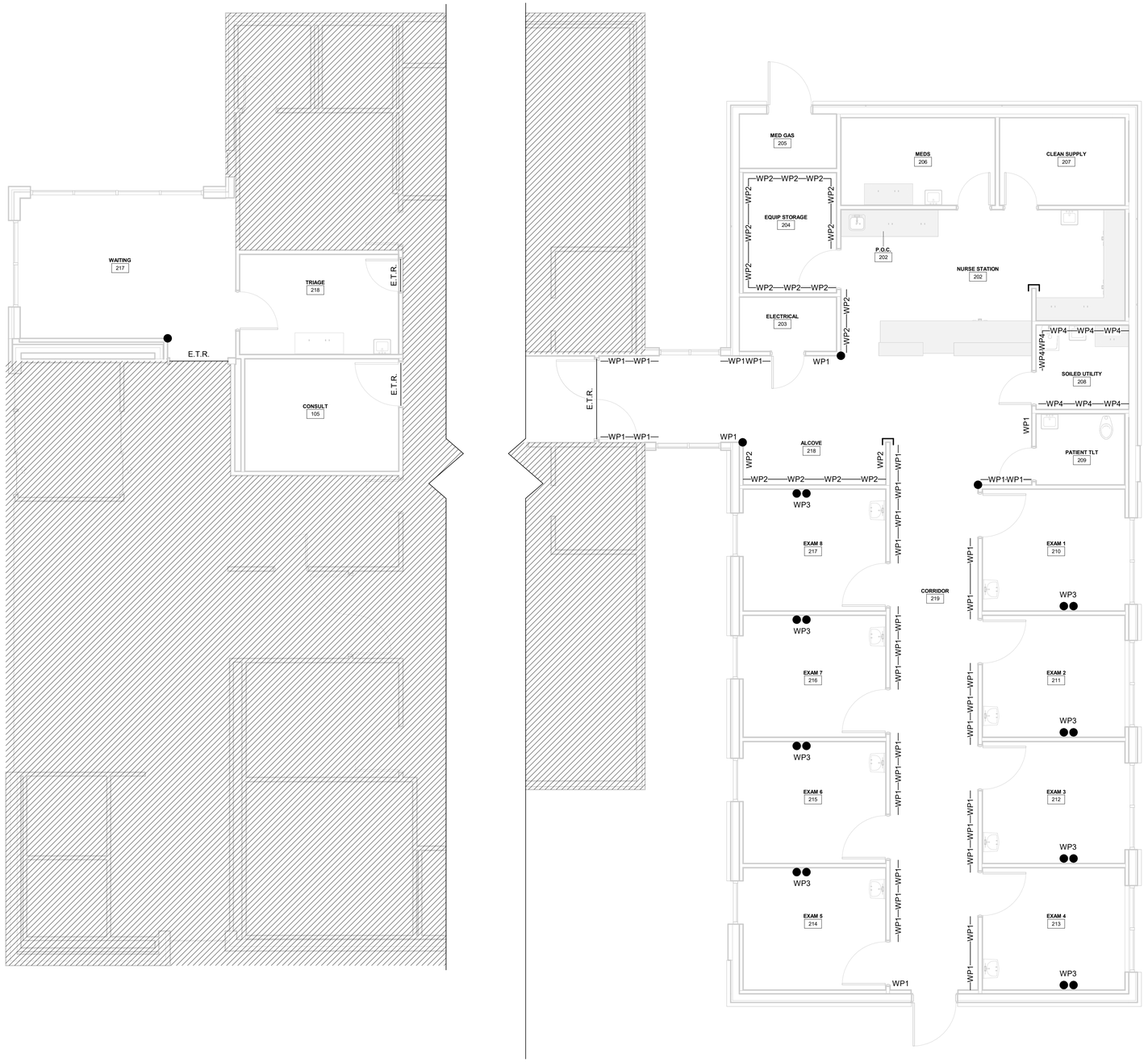


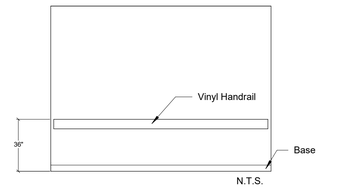
1 WALL PROTECTION PLAN
3/16" = 1'-0"

WALL PROTECTION ITEMS

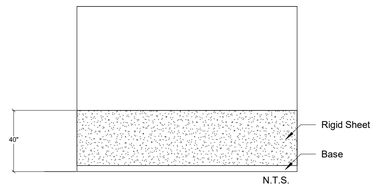
CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard-2"	Corners-90 degree	Acrovyn	Style: CO-8 Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
⌞⌟	Corner Guard-3.5"	Corners-End Wall Protector	Acrovyn	Style: SCO-8 Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
▲	Corner Guard-Modified	Corners-Odd Angle	Acrovyn	Style: CO-8M Color: Stainless Steel Adhesive: **Manufacturer Recommended** Height: Full Height Notes: Install above wall base. Utilize top and bottom caps, along with metal fasteners.
	Handrail-Vinyl	See plans	Acrovyn	Style: HRB-4C Height: 5-1/2" Vinyl Color: Mushroom 305
	Rigid Sheet-Vinyl	See plans	Acrovyn	Style: Acrovyn Wall Covering Thickness: 0.040" Texture: Suede Vinyl Color: Mushroom 305 Notes: For top sheet termination, utilize matching vinyl top cap trim piece. Color match caulk is preferred at all vertical seams, but *CONFIRM WITH END USER IF THEY PREFER VERTICAL TRIM PIECES.*
	Bumper Rail-Vinyl	See plans	Acrovyn	Style: BG-10 Height: 4" Vinyl Color: Mushroom 305 Retainer: 0.080" Aluminum

WALL PROTECTION CONFIGURATIONS

WP1. Handrail to be mounted @ 36" above finish floor to top of rail. Handrail is to stop 2" before all door frames, fire extinguisher cabinets, wall openings and corner guards.

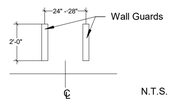


WP2. Sheet wall protection to be adhered to wall and top of sheet is to be @ 40" AFF. Locations with rubber base, the base is ONLY to overlap the sheet by 1/4". Locations with sheet vinyl base, the sheet is to sit firmly on top of the cove cap and color matched caulked.



WP3. Wall Guards to be placed vertical at all locations of patient beds. See Architectural sheets for further details.

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 vertcally.

GENERAL WALL PROTECTION NOTE: DO NOT APPLY SHEET WALL PROTECTION TO ANY EXTERIOR WALL.

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AHCA #3093000034

Rebecca Guittar Donner
AR # 0004305

DATES OF ISSUANCE
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TITLE WALL PROTECTION PLAN

SHEET F1.2

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1 FLOOR PATTERN PLAN
3/16" = 1'-0"

FLOOR PATTERN PLAN LEGEND

TS# — FLOORING TRANSITION TYPE

PLANK OR TILE DIRECTION

PATTERN DIRECTION CHANGE

FLOORING

CODE/ KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
LVT1	Luxury Vinyl Tile	Floors-Field	Interface	Style: Drawn Lines A009 Color: Bronze A00903 Size: 25cm x 1m x 4.5mm Adhesive: **Manufacturer Recommended** Installation: Square Edge, Ashlar
EF1	Epoxy Floor	Floors-Electrical, Med Gas	Sika	Style: Sikafloor Merflex-ES Color: Match Existing Notes: See Architectural specifications for more information.
SVF1	Sheet Vinyl Floor	Floors-Restroooms, Soiled Utility	Armstrong Flooring	Style: Medintone Color: Cocomilk H2001 Roll Width: 6' - 6" x 0.080" Adhesive: **Manufacturer Recommended** Notes: Seams to be heat welded with solid weld rod Alpine Landscape WG110.

GENERAL FLOORING 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	LVT to SVF	Sheet Flooring	Armstrong Flooring, weld rod Alpine Landscape WG110
TS2	Transition Strip	1/8" Resilient to Epoxy	Schluter Systems	Vinpro- U, Aluminum Finish: Brushed Chrome Anodized Backfill with thin set to prevent denting.
TS3	Transition Strip	New Flooring to Existing Flooring	Schluter Systems	Contractor to submit ADA compliant transition from that is appropriate for new/existing flooring heights.

BASE/TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
SVB1	Integral Sheet Vinyl Base	Walls-Restrooms, Soiled Utility	Armstrong	Series and Color: To Match Sheet Vinyl Flooring Height: 6"H, Outside Corner: Boot Adhesive: **Manufacturer Recommended** Notes: Flash cove up walls to form self coved integral base. Seams to be heat welded with solid rod Alpine Landscape WG110.
RB1	Rubber Base	Walls-Field	Roppe	Style: Pinnacle Rubber Base with Standard Toe Height: 4"H, 5/8" Thick Color: 129 Dolphin Adhesive: **Manufacturer Recommended** Notes: Coved and continuous rolls. Miter inside corners. Do NOT use pre-molded outside corners.

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AHCA #3093000034

STATE OF FLORIDA · REBECCA GUITTAR DONNER · REGISTERED INTERIOR DESIGNER

Rebecca Guittar Donner
AR # 0004305

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TITLE: FLOOR PATTERN PLAN

SHEET: F1.3

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1 FURNITURE PLAN
3/16" = 1'-0"

FURNITURE LEGEND

Table Lamp	Task Stool, Armless
Magazine Rack	Task Chair, Arms
Trashcan	Stack Chair, Armless
Guest Chair, Single	Dining Stool
Guest Chair, Bariatric	End Table
Guest Chair, Tandem	Lounge Table, Standing Height
Physician Stool	
Task Chair, Armless	Lounge Table, Dining Height
Stack Chair, Arms	
Stack Chair, Bariatric	L-Shaped Desk with Overhead Hutch
Recliner	

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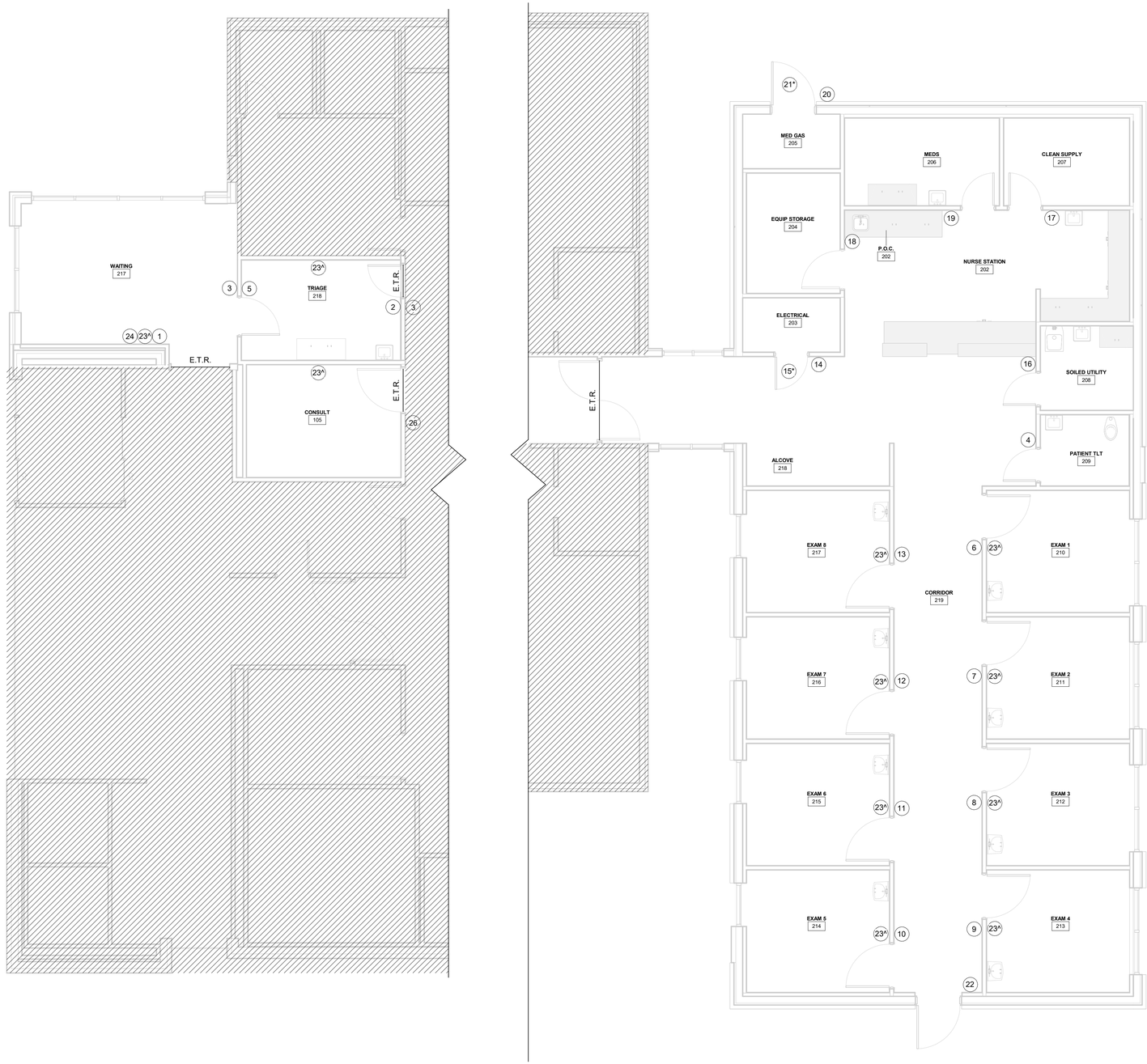
TITLE
FURNITURE PLAN

SHEET
F1.4



1 SIGNAGE PLAN
3/16" = 1'-0"

Location	QTY	Int/Ext	Sign Type	Message	Comments
1	1	INT	ID3.1	If you are a patient and pregnant, please notify staff.	
2	1	INT	ID3.1	To Treatment Area You must be accompanied by a staff member to proceed beyond this point.	
3	2	INT	ID1.1	Triage	
4	1	INT	ID2.1	Patient Restroom	Male, Female, & HC Symbol
5	1	INT	ID3.1	To Waiting Area and Exit	
6	1	INT	ID1.2	Exam 1	
7	1	INT	ID1.2	Exam 2	
8	1	INT	ID1.2	Exam 3	
9	1	INT	ID1.2	Exam 4	
10	1	INT	ID1.2	Exam 5	
11	1	INT	ID1.2	Exam 6	
12	1	INT	ID1.2	Exam 7	
13	1	INT	ID1.2	Exam 8	
14	1	INT	ID1.1	Electrical	Sign shall be mounted next to door on the latch side.
15*	1	INT	RG.X	Warning ARC Flash & Shock Hazard Appropriate PPE Required NFPA 70 Verbiage	Sign shall be door-mounted.
16	1	INT	ID1.1	Soiled Utility	Biohazard Symbol
17	1	INT	ID1.1	Clean Supply	
18	1	INT	ID1.1	Storage	
19	1	INT	ID1.1	Medication	
20	1	EXT	ID1.1	Medical Gas *Signage vendor to confirm approved verbiage with state and local requirements*	Sign shall be mounted next to door on the latch side.
21*	1	EXT	RG.X	Caution Medical Gases No Smoking or Open Flame Include NFPA 704 Diamond.	Signs shall be door-mounted. Health Hazard of 0 (blue diamond), Flammability of 0 (red diamond), Chemical Instability of 0 (yellow diamond), and Special Notice of OX (white diamond).
22	1	INT	ID1.1	Exit	HC Symbol, Braille Required 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.
23^	11	INT	INF1.1	EMTALA	8-1/2" x 11" Inserts to be printed *vertically* on cardstock, matching standards. English & Spanish translations required.
24	1	INT	INF1.1	Human Trafficking Prevention	8-1/2"x11" Inserts to be printed *vertically* on cardstock, matching standards. English & Spanish translations required.
25	1	INT	ID1.1	Consult	

NOTE: Signs with asterick (*) indicate this sign will be door-mounted or window-applied. Signs with carat (^) indicate this insert to be provided by signage vendor. Signage vendor to confirm approved verbiage with state and local requirements.

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AR # 0004305

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TITLE SIGNAGE PLAN

SHEET F1.5

Signage color palette

Main colors

HCA Healthcare Orange
PMS 7579c
3M 3630-124 (w/ diffuser to darken)
Matthews MP72663

HCA Healthcare Navy
PMS 209c
3M 3630-0695
Matthews MP62320

White
CMYK 0, 0, 0, 0
RGB 255, 255, 255
HEX #FFFFFF

Emergency color

Crimson red
PMS 7427c
3M 3630-53
Matthews MP03154

Neutral colors

Black
CMYK 75, 78, 67, 90
RGB 0, 0, 0
HEX #000000

Slate
PMS 424c
Matthews MP50477

Chrome Light
Pantone Cool Gray 4 C
CMYK 27, 18, 22, 3
RGB 187, 188, 188
HEX #BBBCBC

Typography

Overview

The primary typeface for all HCA signage is Mark for HCA. The main weights that can be used are Mark for HCA Medium and Mark for HCA Bold.

Mark for HCA Medium is used for messaging on pylons, monuments, monoliths, post and panel signs, wall panels, regulatory signs, and door vinyls.

Mark for HCA Bold is used for the Market Name, Facility Name, and Emergency messaging on ground signage and for channel letters, dimensional letters, reception letters, reception panel, and door vinyls.

Refer to the table on the next page for additional guidance on font usage for HCA standard sign types.

Mark for HCA Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Mark for HCA Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Material specifications

HCA Orange – Pantone 7579 C	
V1o	OPAQUE: Digitally printed 3M Scotchcal 7725-20 matte white complete with 3M Matte Overlaminate to match Pantone 7579 C
V10	OPAQUE: Digitally printed on 3M Scotchcal 7725-20 matte white complete with 3M Matte Overlaminate to match orange 10% to 15% darker than orange vinyl.
V1p	PERFORATED: Digitally printed on 3M 3635-210 dual color film complete with 3M Scotchcal Matte Overlaminate to match Pantone 7579 C.
V1t	TRANSLUCENT: 3M 3630-124 Burnt Orange vinyl.
V1r	REFLECTIVE: Digitally printed on 3M Scotchlite 5100R-10 white reflective vinyl white reflective vinyl to match: Pantone 7579 C complete with 3M Scotchcal Luster Overlaminate.
P1	Mathews Paint Color to match Pantone 7579 C (or approved equivalent to match, e.g. Akzo Nobel) with UV resistant clear satin top coat.

HCA Navy – Pantone 289 C	
V2o	OPAQUE: Digitally printed 3M Scotchcal 7725-20 matte white complete with 3M Matte Overlaminate to match Pantone 289 C
V2p	PERFORATED: Digitally printed on 3M 3635-210 dual color film complete with 3M Scotchcal Matte Overlaminate to match Pantone 289 C
V2t	TRANSLUCENT: 3M 3630-36 BLUE VINYL.
V2r	REFLECTIVE: Digitally printed on 3M Scotchlite 5100R-10 white reflective vinyl white reflective vinyl to match: Pantone 289 C complete with 3M Scotchcal Luster Overlaminate.
P2	Mathews Paint Color to match Pantone 289 C (or approved equivalent to match, e.g. Akzo Nobel) with UV resistant clear satin top coat-resistant clear satin top coat.

Crimson – Pantone 7427 C	
V4o	OPAQUE: 3M 3630-93 Fire Engine Red vinyl.
V4t	TRANSLUCENT: 3M 3630-53 Cardinal Red with 3M Scotchcal 8519 Luster Overlaminate.
V4r	REFLECTIVE: Digitally printed on 3M Scotchlite 5100R-10 white reflective vinyl to match: Pantone 7427 C complete with 3M Scotchcal Luster Overlaminate.
P4	TRANSLUCENT: 3M 3630-124 Burnt Orange vinyl.

Slate – Pantone 424 C	
P7	Mathews Paint Color to match Pantone 424 C (or approved equivalent to match, e.g. Akzo Nobel) with UV resistant clear satin top coat

Black	
V5o	OPAQUE: 3M Scotchcal 7725-22 matte black vinyl
V5r	REFLECTIVE: 3M Scotchlite 5100R-85 Black reflective vinyl on 680-CR-10 white reflective vinyl (1st surface gloss clear coat) to match Black.
A2	Bitro Black DuLite acrylic.
P5	Matthews Paint or approved equivalent (e.g. Akzo Nobel). Apply primer, followed by body coat then UV resistant clear satin top coat. Resistant clear satin top coat.

Translucent	
V6T	3M 7725SE-324 Frosted Crystal vinyl.
V7T	3M Envision 3735-60 Diffuser Film White - 63% light transmission.
A3	Clear acrylic.

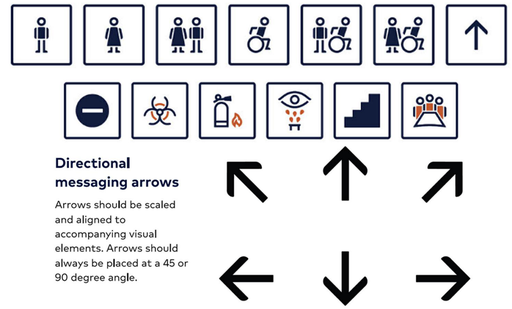
White	
V3o	OPAQUE: 3M Scotchcal 7725-22 matte black vinyl
V3r	REFLECTIVE: Digitally printed graphics on 3M 680-CR-10 White.
A1	Milky White Acrylic: Acrylite translucent white acrylic WT031 GT.
P3	Matthews White Wonder MP-32071 (or approved equivalent to match, e.g. Akzo Nobel) with UV resistant clear satin top coat.

Chrome Light – Pantone Cool Gray 4 C	
P6	Mathews Paint Color to match Cool Gray 4 C (or approved equivalent to match, e.g. Akzo Nobel) with UV resistant clear satin top coat.

Font usage chart

Sign type	Sign code	Primary font	Primary usage	Supporting font	Supporting usage
Channel Letters	CS.X & CH.X	Mark for HCA Bold	Market name	Mark for HCA Bold	Facility name
Backer Panels	BS.X & BH.X	Mark for HCA Bold	Market name	Mark for HCA Bold	Facility name
Dimensional Letters	DS.X & DH.X	Mark for HCA Bold	Market name	Mark for HCA Bold	Facility name
Pylon	PY.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	All messaging
Monument	MN.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Digital Monument	DM.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Monolith	ML.X & MU.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Post and Panel	PP.X &PU.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Wall Panel	WP.X & WU.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Regulatory Panel	RG.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	Facility name
Door Vinyl	DV.X	Mark for HCA Bold	Headline copy	Mark for HCA Medium	Hours & details
Emergency Band	DV.E	Mark for HCA Bold	Emergency	N/A	N/A
Regulatory Vinyl	RV.X	Mark for HCA Medium	All messaging	Mark for HCA Medium	All messaging
Reception Letters	RL.X	Mark for HCA Bold	Market name	Mark for HCA Bold	Facility name
Reception Plaque	RP.X	Mark for HCA Bold	Market name	Mark for HCA Bold	Facility name

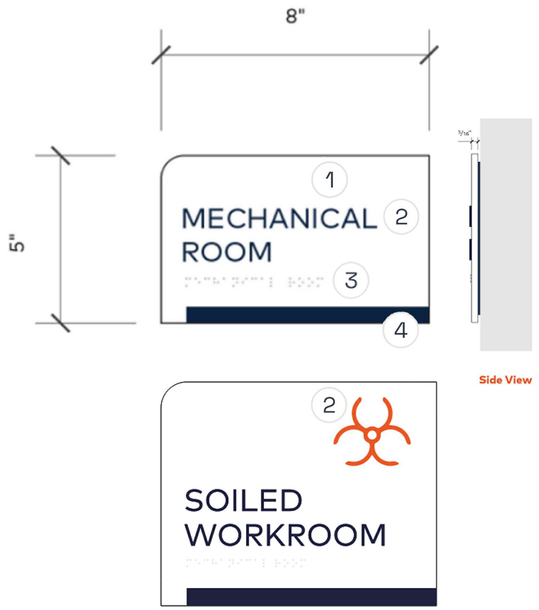
Icons and arrows



Directional messaging arrows

Arrows should be scaled and aligned to accompanying visual elements. Arrows should always be placed at a 45 or 90 degree angle.

ID1.1 Room ID



1 **Sign Panel**
3/16” thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

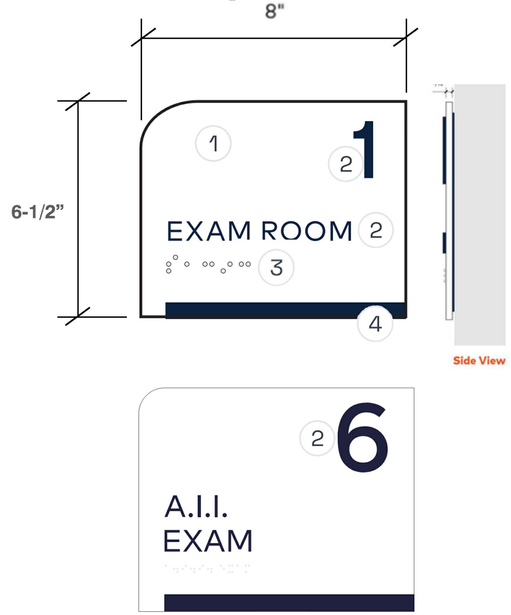
2 **Tactile Copy**
3D printed raised copy to match color as noted.

3 **Braille**
3D printed grade 2 braille to match color as noted.

4 **Line**
Digitally printed on first surface. Print to match color as noted.

Note: Some rooms require additional regulatory information be displayed with the ID1.1 sign.

ID1.2 Symbol room ID



1 **Sign Panel**
3/16” thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

2 **Tactile Copy**
3D printed raised copy to match color as noted.

3 **Braille**
3D printed grade 2 braille to match color as noted.

4 **Line**
Digitally printed on first surface. Print to match color as noted.

Note: Some rooms require additional regulatory information be displayed with the ID1.2 sign.

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

Rebecca Guittar Donner
AR # 0004305

DATES OF ISSUANCE
06/06/2025
△

TITLE: SIGNAGE DESIGN KEY

SHEET: F1.6

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Brentwood, TN 37027
615.321.0696
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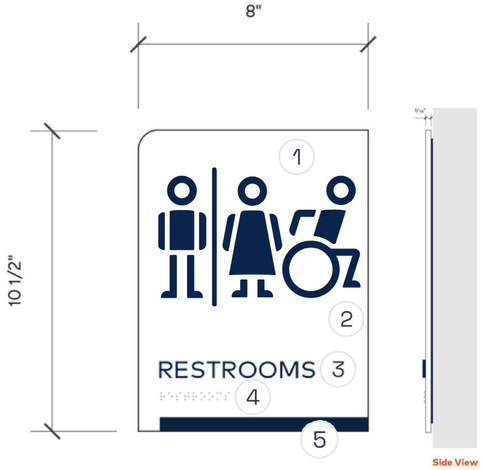
ID2.1 Symbol ID



1 **Sign Panel**
3/16" thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

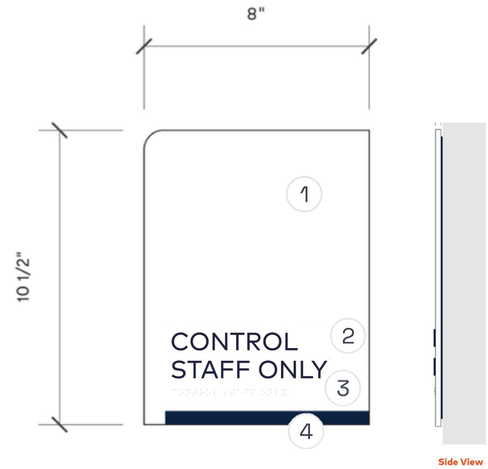
2 **Tactile Symbol**
3D printed raised symbol to match color as noted.

3 **Tactile Copy**
3D printed raised copy to match color as noted.

4 **Braille**
3D printed grade 2 braille to match color as noted.

5 **Line**
1/2" thick. Digitally printed on first surface. Print to match color as noted.

ID3.1 Department ID



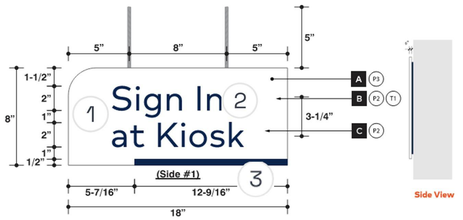
1 **Sign Panel**
3/16" thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

2 **Tactile Copy**
3D printed raised copy to match color as noted.

3 **Braille**
3D printed grade 2 braille to match color as noted.

4 **Line**
1/2" thick. Digitally printed on first surface. Print to match color as noted.

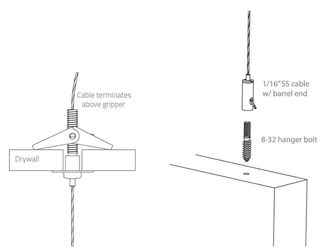
ID3.2 Department ID - overhead



1 **Sign Panel**
3/16" thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

2 **Copy**
Digitally printed on first surface to match color as noted.

3 **Line**
1/2" thick. Digitally printed on first surface. Print to match color as noted.

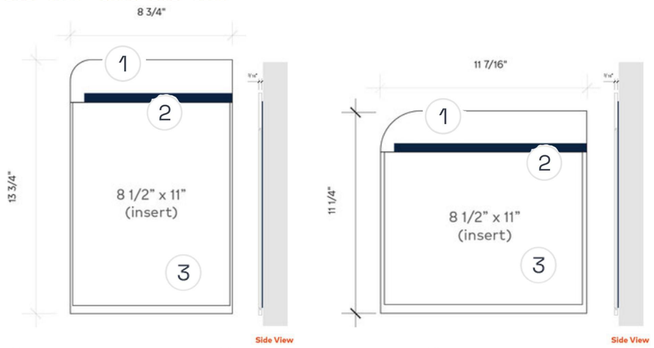


Suspension attachment to ceiling

Suspension attachment to sign

INF1.1 Page insert

8.5"x11" and 8.5"x11"

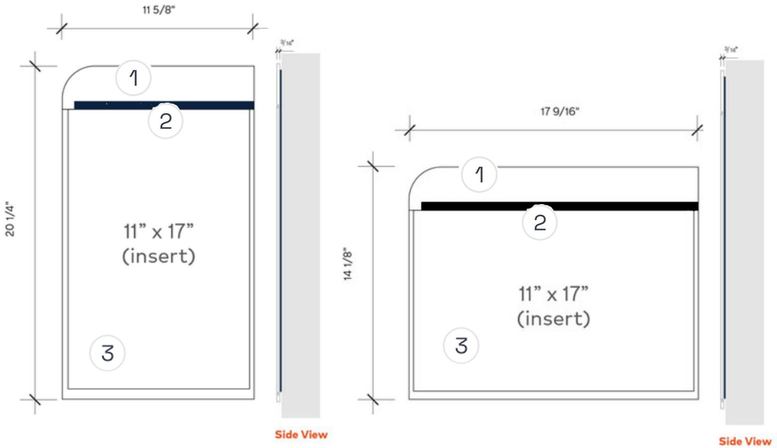


1 **Sign Panel**
3/16" thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

2 **Line**
1/2" thick. Digitally printed on first surface. Print to match color as noted.

3 **Insert Lens**
1/8" thick clear acrylic lens milled as shown

11"x17" and 17"x11"



1 **Sign Panel**
3/16" thick clear acrylic. Paint all exposed surfaces to match color as noted. Mounted sign with DF Tape.

2 **Line**
1/2" thick. Digitally printed on first surface. Print to match color as noted.

3 **Insert Lens**
1/8" thick clear acrylic lens milled as shown.

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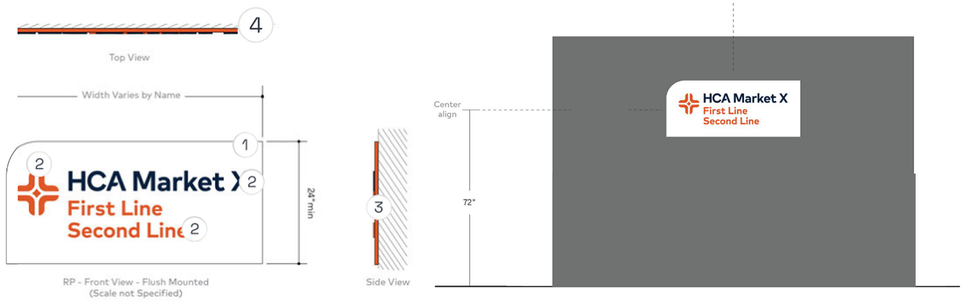
TITLE
SIGNAGE DESIGN KEY

SHEET
F1.7

RP.X - Flush mounted



1 **Sign panel**
1" deep fabricated aluminum sign panel; face painted white.

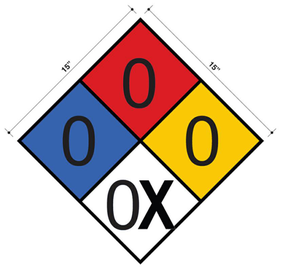
2 **Logo**
1/4" thick acrylic letterforms ith faces and returns painted to match HCA logo standard Orange and Navy. Letterforms flush mounted to pane.

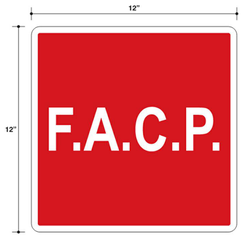
3 **Sign panel returns**
Side panel returns painted to match HCA Orange.

4 **Mounting hardware**
'L' extrusion mounted to wall with appropriate mechanical fasteners. Sign mounted to 'L' extrusions with countersunk fasteners along top and bottom returns, fastener heads painted to match sign.

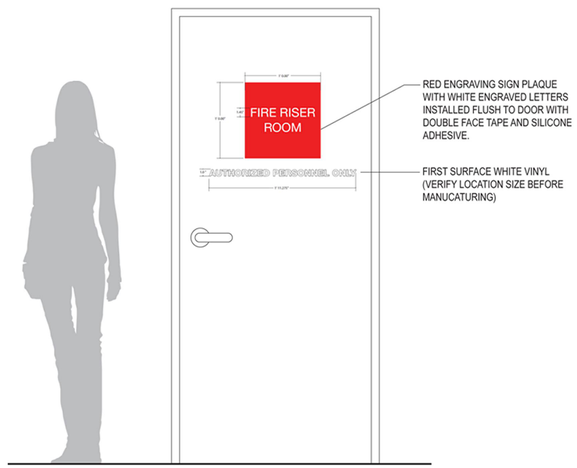
Regulatory Panel

RG.X





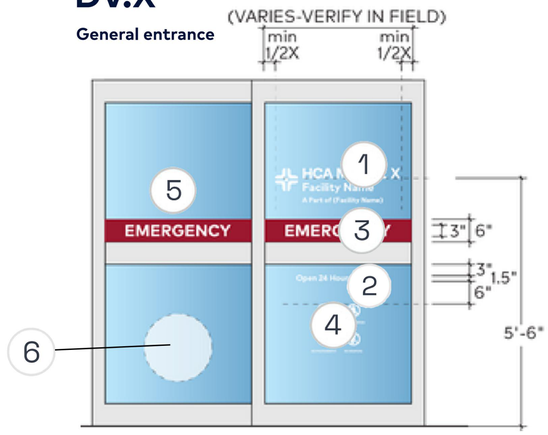
Mount Diamond sign at 60" AFF to middle of sign and then Caution sign 1" below that.

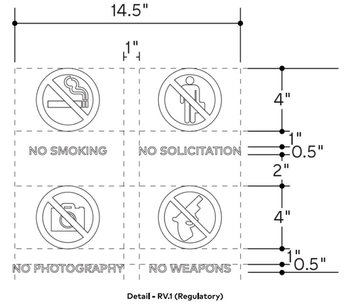


Vinyl

DV.X

General entrance





Detail - RV.1 (Regulatory)

1 **DV.1:** Market Logo + Facility Name

2 **DV.2:** Text + Hours of Operation

3 **DV.E:** Red Emergency Band / Emergency Identification

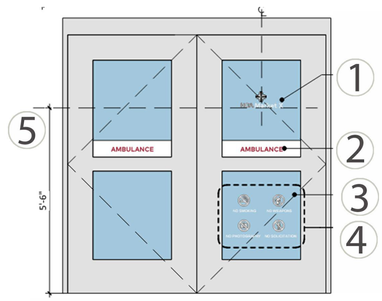
4 **RV.1** Regulatory Information

5 **Caution Markings**

6 **Safe Haven Decal**

RV.X

Ambulance entrance



1 **DV.1:** Market Logo + Facility Name / "A Part of" Identification

2 **DV.E:** White Ambulance Band / Ambulance Identification

3 **RV.1:** Regulatory Information

4 **Caution Markings**

5 **Safe Haven Decal**

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Rebecca Guittar Donner
AR # 0004305

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SHEET: F1.8

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A Salas O'Brien Company
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Nashville, TN 37204
PHONE 615-346-3400
https://www.icthomasson.com/

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.

FIRE PROTECTION HAZARD SCHEDULE

HAZARD SYMBOL	HAZARD CLASS	DESIGN CRITERIA	HOSE	DURATION	SPRINKLER SPACING	NOTES
UNO	LIGHT	0.10 GPM/SF OVER 1500SF	100 GPM	30 MIN	MAX 225 SF; MAX 15' BETWEEN SPRINKLERS; MAX 7.5' FROM WALL	ALL AREAS ARE LIGHT HAZARD U.N.O.
OH-1	ORDINARY HAZARD GROUP 1	0.15 GPM/SF OVER 1500SF	250 GPM	60 MIN	MAX 130 SF;MAX 15' BETWEEN SPRINKLERS MAX 7.5' FROM WALL	
OH-2	ORDINARY HAZARD GROUP 2	0.20 GPM/SF OVER 1500SF	250 GPM	90 MIN	MAX 130 SF;MAX 15' BETWEEN SPRINKLERS MAX 7.5' FROM WALL	
EH-1	EXTRA HAZARD GROUP 1	0.30 GPM/SF OVER 2500SF	500 GPM	90 MIN	MAX 100 SF;MAX 12' BETWEEN SPRINKLERS MAX 6' FROM WALL	
EH-2	EXTRA HAZARD GROUP 2	0.40 GPM/SF OVER 2500SF	500 GPM	120 MIN	MAX 100 SF;MAX 12' BETWEEN SPRINKLERS MAX 6' FROM WALL	

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
FPD	FIRE PROTECTION DRY PIPE		

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	CONNECTION TO EXISTING
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER CABINET
	END CAP
F	FIRE PROTECTION WET PIPING
DP	FIRE PROTECTION DRY PIPING

BAY 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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AHCA #3093000034

DATES OF ISSUANCE
06-09-25

TITLE
FIRE PROTECTION - SCHEDULES AND DETAILS

SHEET
FP001

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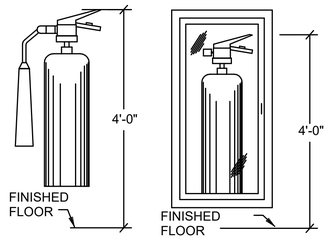


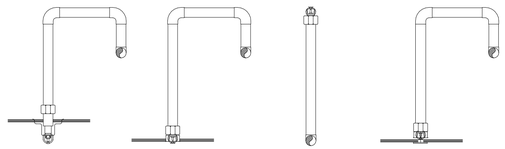
WALL HUNG FIRE EXTINGUISHER

FIRE EXTINGUISHER IN RECESSED CABINET

FIRE EQUIPMENT MOUNTING HEIGHTS

No Scale

1



NOTES:

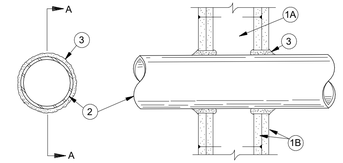
1. WHERE PENDANT STYLE HEADS ARE INDICATED AND AN ACOUSTICAL TILE CEILING IS TO BE INSTALLED, INSTALL PENDANT HEADS CENTERED IN BOTH DIRECTIONS.
2. ARMOVERS WHICH EXCEED 2' - 0" SHALL INCLUDE HANGERS TO STRUCTURE. IF SYSTEM PRESSURE EXCEEDS 100 PSI, ARMOVERS WHICH EXCEED 1' - 0" SHALL INCLUDE HANGERS 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

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404

HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06-09-25 △

TITLE: FIRE PROTECTION - DETAILS

SHEET: FP002

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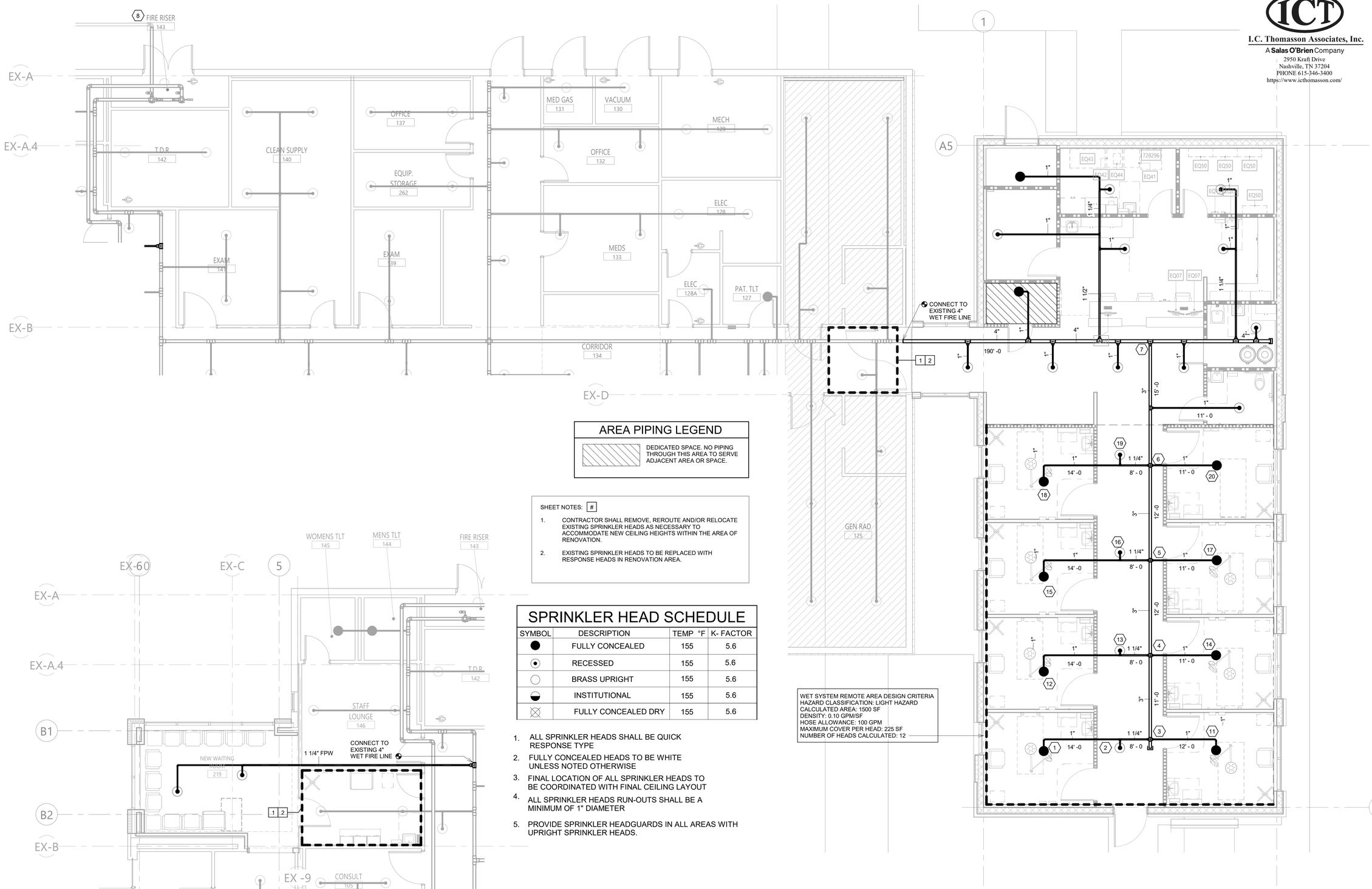

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

SHEET NOTES: #

1. CONTRACTOR SHALL REMOVE, REROUTE AND/OR RELOCATE EXISTING SPRINKLER HEADS AS NECESSARY TO ACCOMMODATE NEW CEILING HEIGHTS WITHIN THE AREA OF RENOVATION.
2. EXISTING SPRINKLER HEADS TO BE REPLACED WITH RESPONSE HEADS IN RENOVATION AREA.

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.

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: 12

1 FLOOR PLAN - FIRE PROTECTION - WAITING/RENO
SCALE: 3/16" = 1'-0"

2 FLOOR PLAN - FIRE PROTECTION - EXPANSION
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

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DATES OF ISSUANCE
06-09-25 △

TITLE FIRE PROTECTION - FLOOR PLAN - LEVEL 1

SHEET FP101

THIS SHEET IS FOR HYDRAULIC INFORMATION ONLY. REFER TO CIVIL'S UTILITY PLAN SHEET FOR CONSTRUCTION DETAILS.

FLOW TEST RESULTS

DATE:	07/25/2019
STATIC:	70 PSI
RESIDUAL:	68 PSI
FLOW:	1200 GPM

THE ENGINEER OF RECORD REQUESTED AN UPDATED FLOW TEST ON MAY 2, 2025. DRAWINGS AND HYDRAULIC CALCULATIONS WILL BE REVISED IN THE NEXT PROJECT REVISION ONCE THE NEW FLOW TEST RESULTS ARE RECEIVED.

EXISTING 4" FIRE LINE

EXISTING 4" FIRE LINE

SRO 4" 13' -0 10 9 4" 32' -0 8

1 SITE PLAN - FIRE PROTECTION
SCALE: 3/32" = 1'-0"

0' 2' 4' 8' 16'

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DATES OF ISSUANCE
06-09-25 △

TITLE
FIRE PROTECTION - SITE PLAN

SHEET
FP102

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EXHAUST FAN SCHEDULE

1. CENTRIFUGAL DOWNBLAST
2. BELTED VENT SET
3. CENTRIFUGAL IN-LINE
4. CENTRIFUGAL UPBLAST

TAG	EF-1-7	EF-1-8	EF-MG	
SERVICE	GENERAL EXHAUST	WAITING EXHAUST	MED. GAS STORAGE	
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	
TYPE	1	1	3	
SIZE / MODEL	GB-100-5	GB-099-4	BSQ-90	
CFM	1125	800	300	
SP (IN W.C.)	0.5	0.5	0.5	
MAX FAN RPM	1,605	1,441	1,235	
MOTOR RPM	1,725	1,725	1,725	
DRIVE TYPE	BELT	BELT	BELT	
APPROX. SIZE (WxLxH)	19"x19"x24"	19"x19"x24"	15x21x12	
MOTOR HP	1/2	1/4	1/4	
ELECTRICAL	120/1/60	120/1/60	120/1/60	
POWER TYPE	EMERGENCY	EMERGENCY	EMERGENCY	
INLET SCREEN	NO	NO	YES	
OUTLET SCREEN	YES	YES	NO	
INLET DAMPER	BACKDRAFT	BACKDRAFT	NONE	
OUTLET DAMPER	NONE	NONE	BACKDRAFT	
DISCONNECT/STARTER	BY DIVISION 26	BY DIVISION 26	BY DIVISION 26	
MAX SONES	6.5	6.5	8.4	
UNIT WEIGHT (lbs)	61	51	100	
REMARKS	1,5	1,5	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 WITHIN 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.

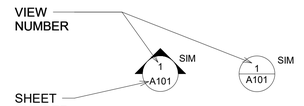
CEILING GRILLES AND REGISTERS

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.

VIEW NAME LEGEND



HVAC PIPING LEGEND

- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- MCD — MOISTURE CONDENSATE DRAIN LINE
- 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 45º 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
- R — RISE IN DUCTWORK
- D — DROP IN DUCTWORK
- DUCT TERMINATION
- 45º 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
- NEW CONNECTION TO EXISTING
- 100 — ROOM PRESSURIZATION QUANTITY AND AIR FLOW DIRECTION

AIR BALANCE SCHEDULE

TAG	SERVICE	OA SUPPLY CFM	EXHAUST CFM
RTU-2	GENERAL O.A.	1,200	0
EF-1-7	GENERAL EXH	0	1,125
EF-MG	MEDGAS	300	300
TOTAL			
NET POSITIVE			75

BAY COUNTY 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, 8H 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	
FLORIDA ADMINISTRATIVE CODE 59A-3.080	2016
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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DATES OF ISSUANCE: 6-09-2025 △

TITLE: HVAC - SCHEDULES

SHEET: M001

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VARIABLE VOLUME TERMINAL BOX SCHEDULE

DESIGNATION	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8			
COOLING CFM	460	250	1010	910	985	300	150	750			
HEATING CFM	270	150	600	550	590	175	100	500			
MIN SUPPLY CFM	270	150	600	550	590	175	100	500			
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	10" DIA.	8" DIA.	12" DIA.	12" DIA.	12" DIA.	8" DIA.	6" DIA.	10" DIA.			
BTU HR	12,400	7,100	28,150	41,150	41,250	7,250	14,000	31,000			
ENT WATER TEMP (F)	140	140	140	140	140	140	140	140			
GPM	1.0	0.6	2.2	3.2	3.3	0.6	0.4	2.5			
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	52°	52°	52°	52°	52°	52°	52°	52°			
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.
6. PROVIDE 3-WAY VALVES FOR REHEAT BOXES AS NOTED ON DRAWINGS.

2018 FGI VENTILATION TABLE / ASHRAE 170- 2021

ROOM NUMBER	ROOM NAME	AREA SQ. FT.	CEILING HEIGHT FT.	SUPPLY CFM	RETURN CFM	EXHAUST CFM	O.A. CFM	AIRFLOW 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	282	9	750	---	750	150	750	18	12	3.6	2	(-)	(-)	YES	YES
204	EQUIP STORAGE	96	9	100	100	---	20	100	7	---	1.4		NEUTRAL	NR	NO	NO
205	* MED. GAS	45	9	---	---	300	---	100	44	8	8.8	---	(-)	(-)	YES	YES
206	MEDS	115	9	300	200	---	60	300	17	4	3.4	2	(+)	NR	NO	NO
207	CLEAN SUPPLY	94	9	150	100	---	30	150	10	4	2	2	(+)	(+)	NO	NO
208	SOILED UTILITY	122	9	175	---	225	35	225	12	10	2.4	2	(-)	(-)	YES	YES
209	PAT TLT	54	9	100	---	150	30	150	18	10	3.6	---	(-)	(-)	YES	YES
210	EXAM 1	148	9	250	250	---	50	250	11	6	2.2	2	NEUTRAL	NR	NO	NO
211	EXAM 2	148	9	250	250	---	50	250	11	6	2.2	2	NEUTRAL	NR	NO	NO
212	EXAM 3	148	9	250	250	---	50	250	11	6	2.2	2	NEUTRAL	NR	NO	NO
213	EXAM 4	149	9	300	300	---	60	300	13	6	2.6	2	NEUTRAL	NR	NO	NO
216	EXAM 5	148	9	250	---	250	50	250	11	6	2.2	2	NEUTRAL	NR	YES	NO
246	EXAM 6	148	9	250	250	---	50	250	11	6	2.2	2	NEUTRAL	NR	NO	NO
248	EXAM 7	148	9	250	---	250	50	250	11	6	2.2	2	NEUTRAL	NR	YES	NO
249	EXAM 8	149	9	250	---	250	50	250	11	6	2.2	2	NEUTRAL	NR	YES	NO
219	CORRIDORS	636	9	840	890	---	168	840	95.4	2	19.1	---	(+)	NR	NO	NO

REMARKS:
* MED GAS ROOM EXHAUST AIRFLOW MEETS NFPA 99-9.3.6.5.3.2-2021 AS FOLLOWS: The entire volume of the connected vessels that are on a common manifold = 6 oxygen cylinders at 187 cu ft. ea. = 1,122 cu ft. 1,122 cu ft. / 5 cu ft. = 224.4 cfm mechanical ventilation minimum required.

ASHRAE 170-2017 FLORIDA MECHANICAL CODE VENTILATION TOTAL	
RTU-2 TOTAL O.A. MINIMUM CFM	MINIMUM ASHRAE 170-2017 + MINIMUM 2020 FLORIDA MECHANICAL CODE = MINIMUM OUTSIDE AIRFLOW TOTAL
1,200 CFM	903 CFM + 45 CFM = 948 CFM TOTAL O.A.

2020 FLORIDA BUILDING CODE, MECHANICAL VENTILATION TABLE

			FBCM MINIMUM OA REQUIREMENTS						DESIGN	
ROOM NUMBER	ROOM NAME	AREA (SF)	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
201	NURSE STATION	300	5	3	15	0.06	18	33	300	110
204	EQUIP STORAGE	96	0	0	0	0.12	12	12	100	20
								TOTAL 45		TOTAL 130

DX ROOFTOP UNIT SCHEDULE

TAG	RTU-2	
SERVICE	BUILDING ADDITION	
MANUFACTURER	AAON	
MODEL	RNA-026-D-A-3	
DIMENSIONS (LxWxH)	20'-6"x 8'-5"x 8'-7"	
UNIT WEIGHT (lbs.)	5,682	
TOTAL AIRFLOW CFM	6,000	
O.A. MINIMUM CFM	1,200	
O.A. MAXIMUM CFM	6,000	
SUPPLY FAN		
CFM	6,000	
MOTOR HP	15	
ISP (IN W.C.)	1.89	
ESP (IN W.C.)	3.0	
TSP (IN W.C.)	4.07	
MAX FAN RPM	1,323	
VOLTAGE/PHASE	460/3/60	
EMERGENCY POWER	YES	
EXHAUST FAN		
MOTOR HP	2*	
FAN SP (ESP/TSP IN W.C.)	1.00/1.16	
CFM	4,800	
MAX FAN RPM	771	
VOLTAGE/PHASE	460/3/60	
EMERGENCY POWER	YES	
COOLING CAPACITY		
TOTAL CAPACITY (MBH)	292.2	
SENSIBLE CAPACITY (MBH)	182.8	
EAT (DB/WB °F)	77.0/65.9	
LAT (DB/WB °F)	48.6/48.6	
REFRIGERANT TYPE	R-454B	
AMBIENT TEMP (DB/WB °F)	92.8/81.4	
ACCESSORIES		
FILTERS	NOTE 2	
VFDS	NOTE 3	
SCCR (kA)	10	
MCA (CIRCUIT 1/CIRCUIT 2)	59/30	
MOP (CIRCUIT 1/CIRCUIT 2)	80/50	
NO. OF COMPRESSORS	2	

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.

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HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
6-09-2025 △

TITLE
HVAC - SCHEDULES

SHEET
M002

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HOT WATER UNIT HEATER

DESIGNATION	UH-2	
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-2	RTU-2
UNIT DESIGNATION	PF-1	FF-1
TYPE	1	2
FILTER POSITION	PRE-FILTER	FINAL-FILTER
CFM	6,000	6,000
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.

EXISTING PUMP SCHEDULE

TAG	HWP-1&2	
MANUFACTURER		
SERVICE	HOT WATER	
TYPE	IN-LINE	
LOCATION	EXISTING. MECH. ROOM	
FLOW RATE (GPM)	EXIST. - 45 NEW - 60	
TOTAL HEAD (FT)	EXIST. - 35 NEW - 45	
WORKING PRESSURE (PSI)	125	
MOTOR HP	1.5	
MOTOR RPM	1,750	
ELECTRICAL	460/3/60	

REMARKS:

1. EXISTING STARTER / DISCONNECTS FOR PREVIOUS PUMPS TO BE RE-UTILIZED.
2. CONTRACTOR TO CHANGE IMPELLER ON EXISTING PUMPS TO PROVIDE NEW SCHEDULED FLOW AND HEAD PRESSURE.

DUCTLESS SPLIT SYSTEM SCHEDULE

	MANUFACTURER	MITSUBISHI
INDOOR UNIT	IDENTIFICATION	AC-7
	TYPE	WALL HUNG
	MODEL NUMBER	TPKA0A0241KA70A
	NOMINAL TONS	2
	COOLING E.A.T. DB/WB (DEG. F)	80/67
	AIRFLOW (CFM)	700
	NOMINAL COOLING CAPACITY (MBH)	24
	NOMINAL COOLING CAPACITY (MBH)	26
	REFRIGERANT	R-454B
	DIMENSIONS (L"xW"xH")	46"x12"x14.5"
	FILTER	1" THROWAWAY
	WEIGHT (LBS)	50
OUTDOOR UNIT	IDENTIFICATION	CU-7
	MODEL NUMBER	TRUZA024
	AMBIENT	100
	VOLTAGE / PHASE	208/1
	MCA / MOCP	19/26
	DIMENSIONS (L"xW"xH")	38"x13"x37"
	WEIGHT (LBS)	160
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-7 SETPOINT TO BE 74°F.
AC-7 INDOOR UNIT IS POWERED FROM CU-7 ON ROOF

SERVED FROM EMERGENCY POWER EQUIPMENT BRANCH.

CU-7 OUTDOOR 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.

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PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
6-09-2025 △

TITLE: HVAC - SCHEDULES

SHEET: M003

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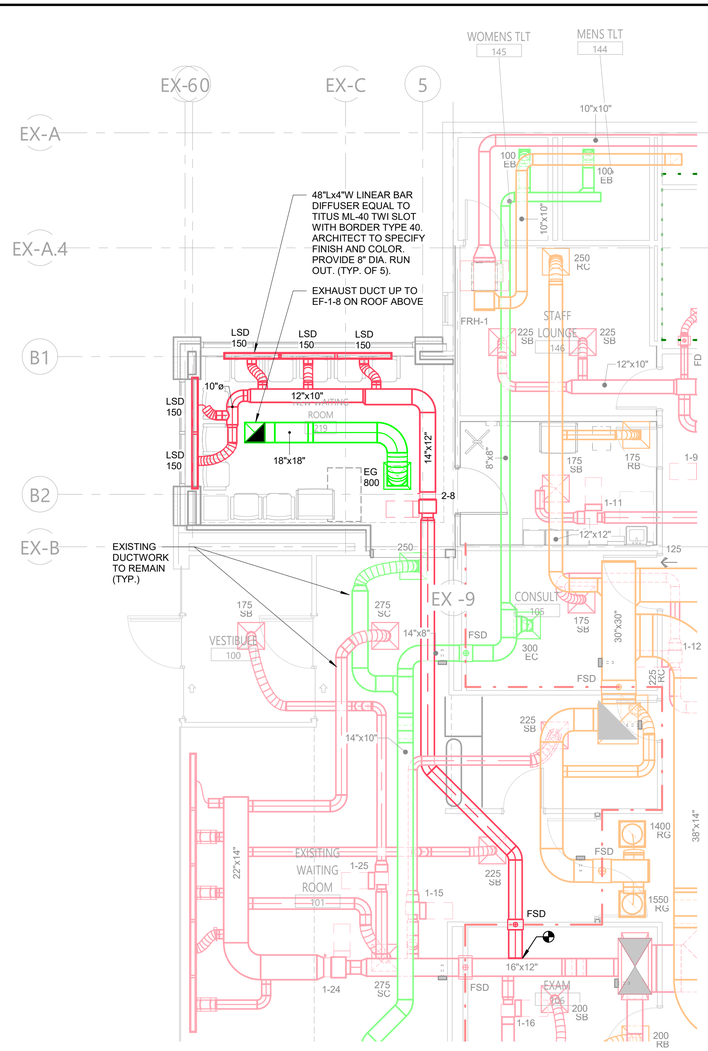
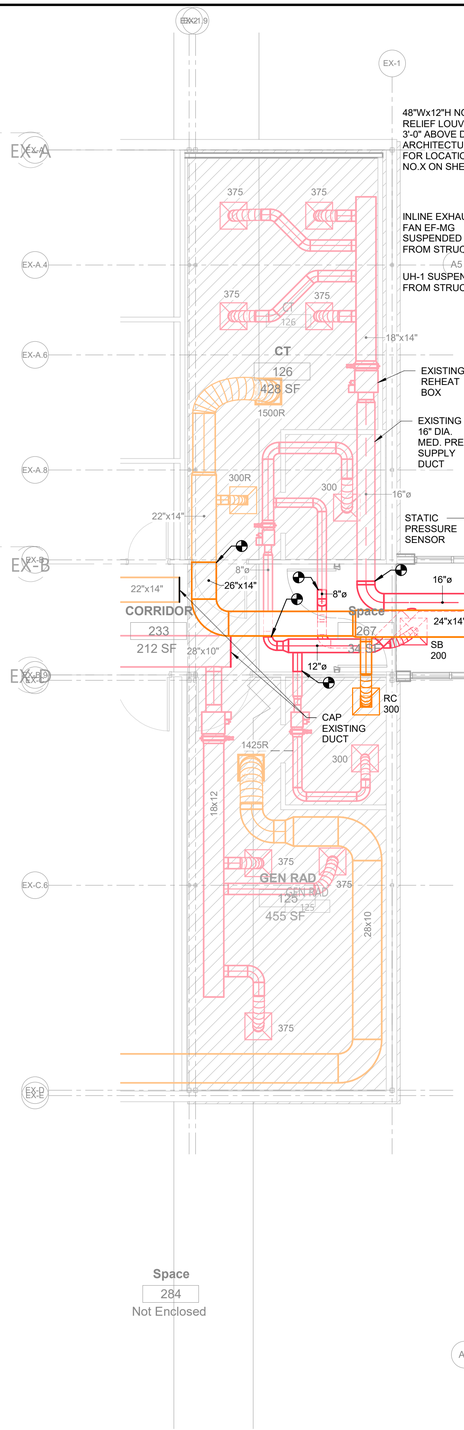


1 FLOOR PLAN - HVAC - WAITING/RENO
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'



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

0' 2' 4' 8' 16'

Space
284
Not Enclosed

HVAC DUCT LEGEND

- SUPPLY DUCT
- RETURN DUCT
- OUTDOOR AIR DUCT
- GENERAL EXHAUST DUCT
- AII / DECONTAM 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.

4. REFER TO SPEC SECTION 235100 FOR FULL VENT REQUIREMENTS.

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TITLE
HVAC - FLOOR PLAN

SHEET
M101

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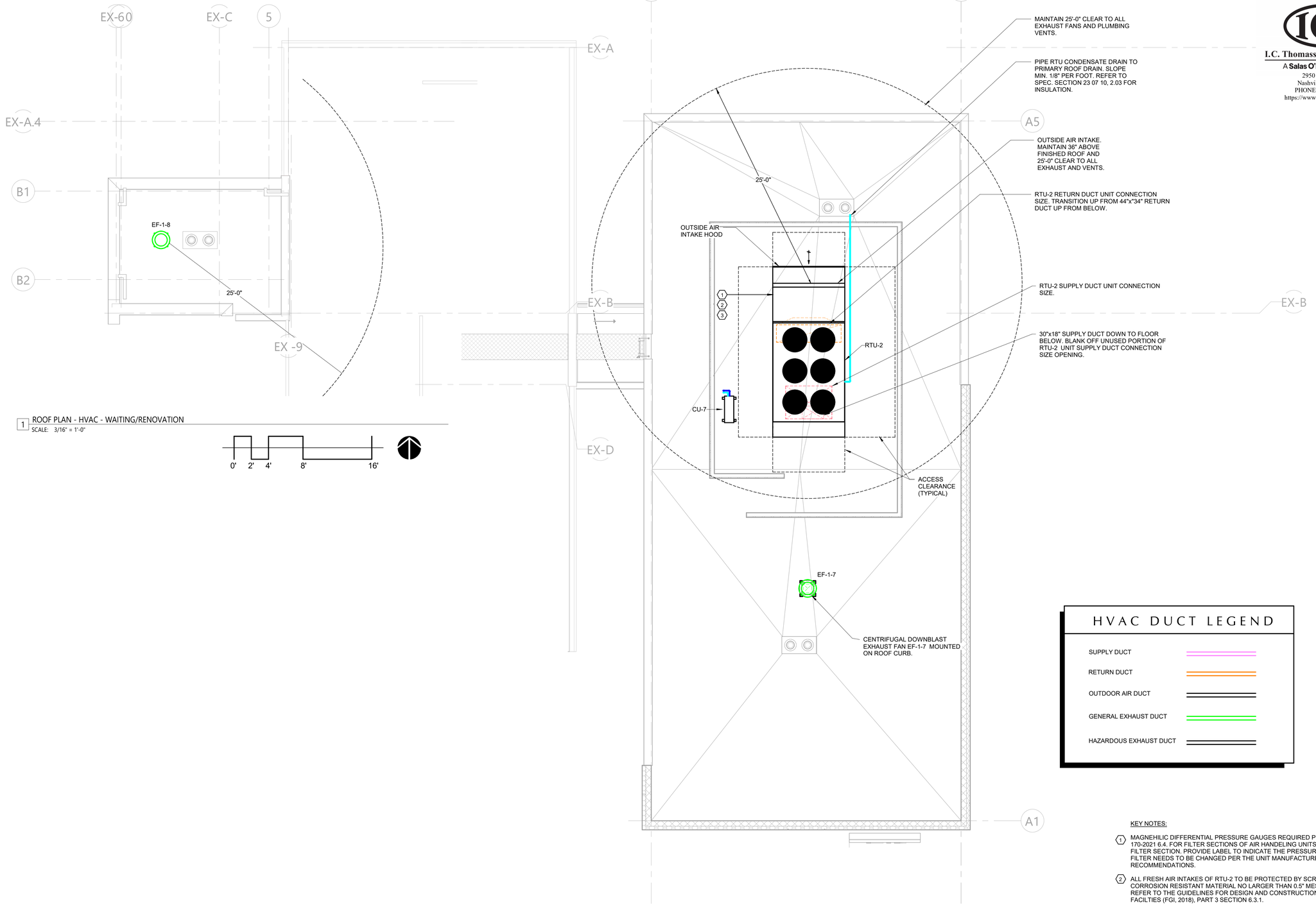

1 ROOF PLAN - HVAC - WAITING/RENOVATION
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

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

0' 2' 4' 8' 16'

HVAC DUCT LEGEND

- SUPPLY DUCT
- RETURN DUCT
- OUTDOOR AIR DUCT
- GENERAL EXHAUST DUCT
- HAZARDOUS EXHAUST DUCT

KEY NOTES:

1. MAGNEHILIC DIFFERENTIAL PRESSURE GAUGES REQUIRED PER ASHRAE 170-2021 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.
2. ALL FRESH AIR INTAKES OF RTU-2 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.
3. REFER TO RTU MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ALL CONDENSATE PIPING CONNECTIONS, LOCATIONS AND REQUIREMENTS AT UNIT.

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TITLE
HVAC - ROOF PLAN

SHEET
M102

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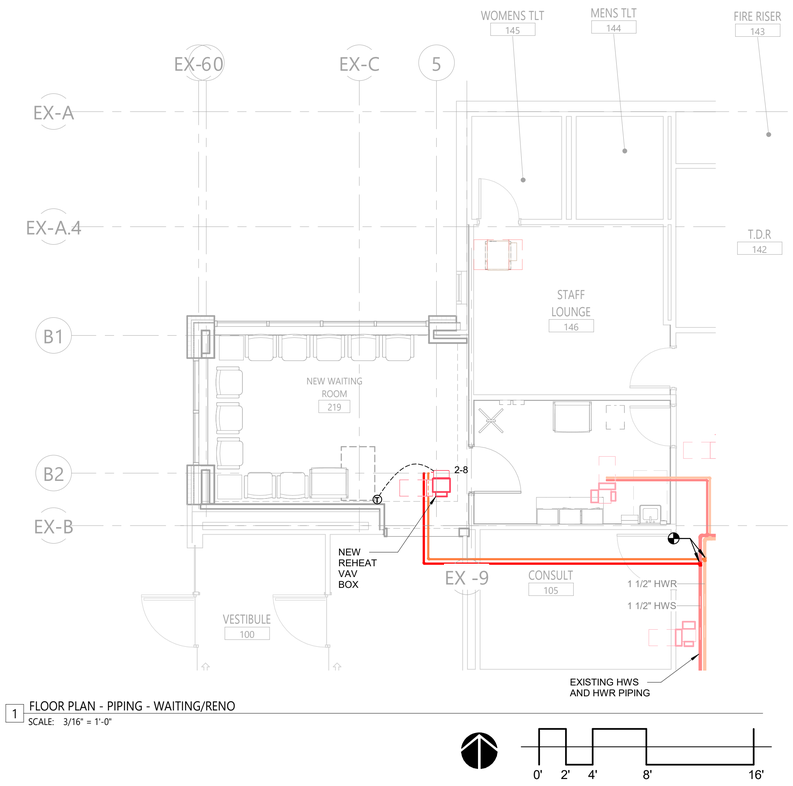
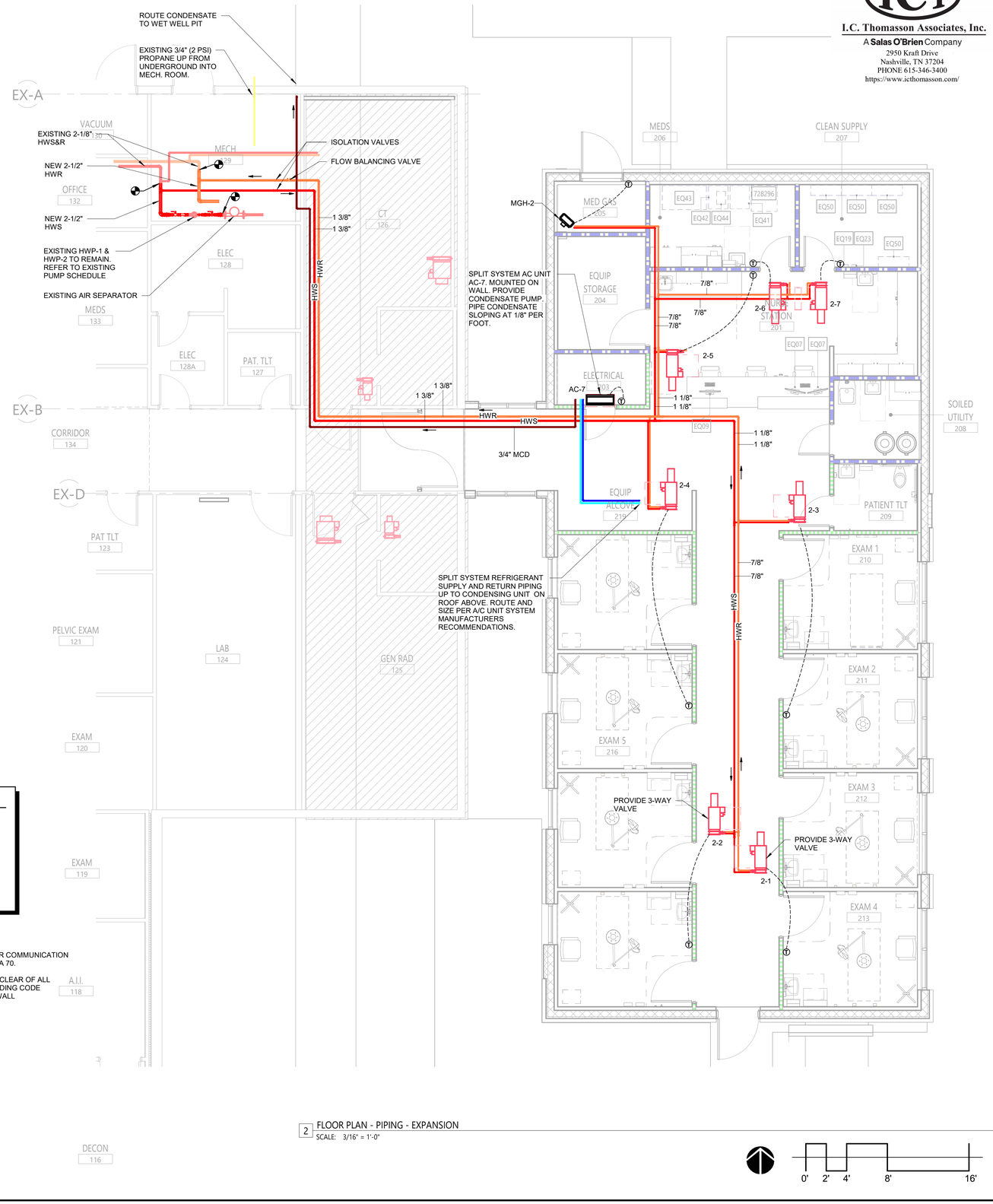


1 FLOOR PLAN - PIPING - WAITING/RENO
SCALE: 3/16" = 1'-0"



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

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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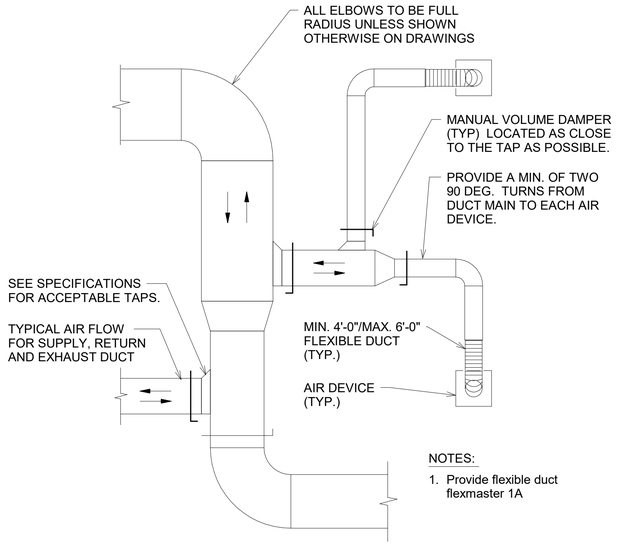
TITLE
PIPING - FLOOR PLAN

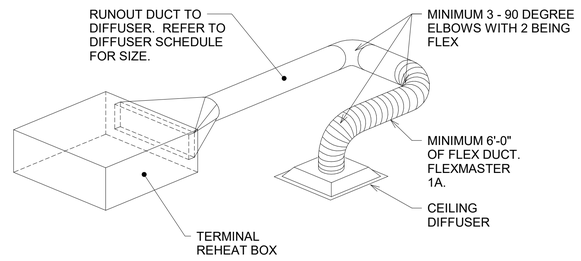
SHEET
M201



TYPICAL LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCT DETAIL

No Scale

1



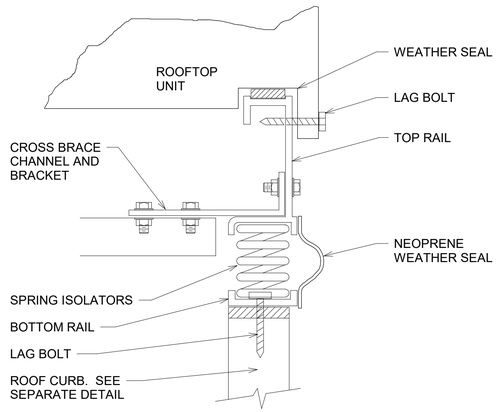
NOTES:

1. 90 DEGREE ELBOWS IN FLEX DUCT TO HAVE NOT LESS THAN ONE DUCT DIAMETER CENTERLINE RADIUS.

BOX SERVING ONE DIFFUSER DETAIL

No Scale

2



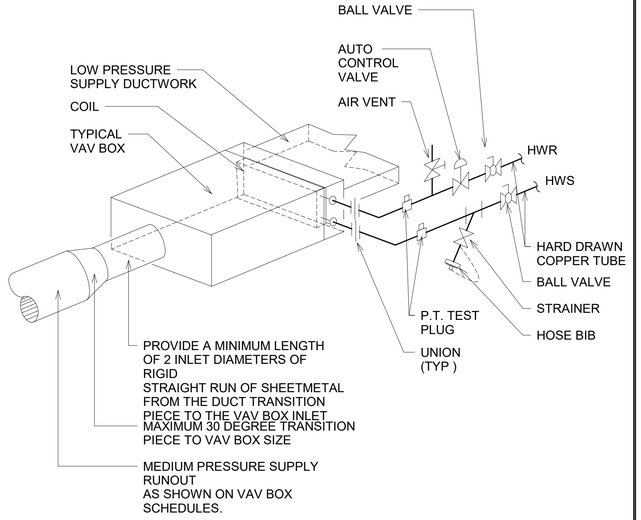
KINETICS MODEL KSR ISOLATION BASE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

INSTALL WIND/SEISMIC RESTRAINTS (NOT SHOWN HERE) PER MANUFACTURER'S RECOMMENDATIONS TO WITHSTAND WIND LOAD AS INDICATED ON STRUCTURAL DRAWINGS.

ROOFTOP UNIT VIBRATION ISOLATION BASE

No Scale

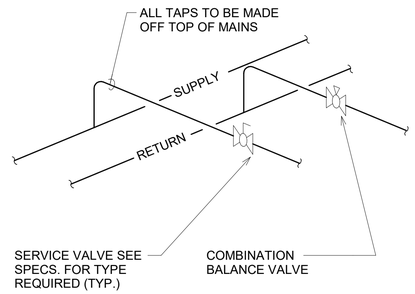
3



VARIABLE VOLUME BOX CONNECTION DETAIL

No Scale

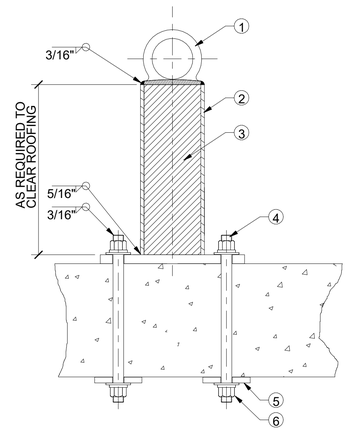
4



DETAIL OF PIPING AT BRANCH TAKE-OFF

No Scale

5



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

6

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
6-09-2025
△

TITLE
HVAC - DETAILS

SHEET
M401

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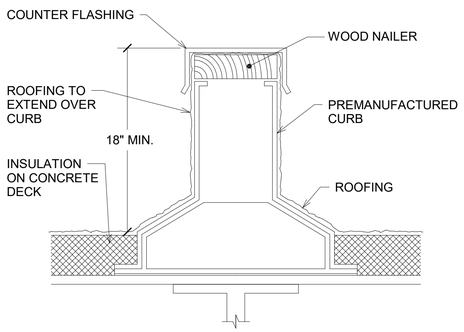
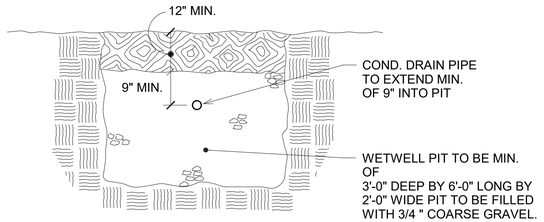


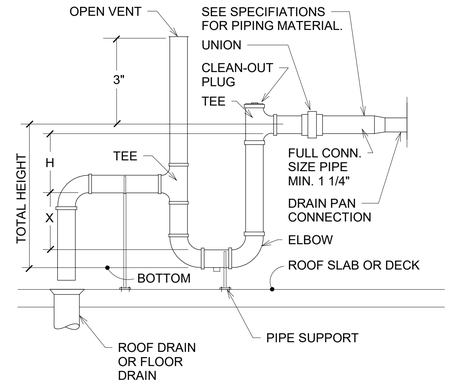
NOTES:

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 — 1
No Scale



WETWELL PIT DETAIL — 2
No Scale



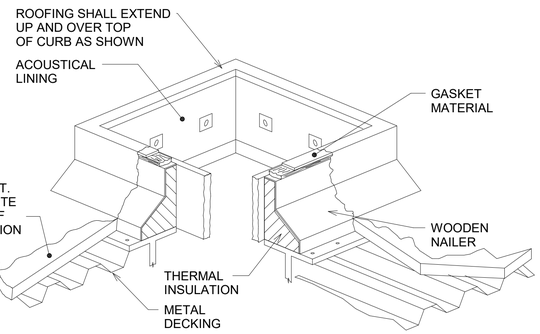
NOTE:
SLOPE DRAIN LINE MINIMUM OF 1/8" PER FOOT TO ROOF RECEPTOR.

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"

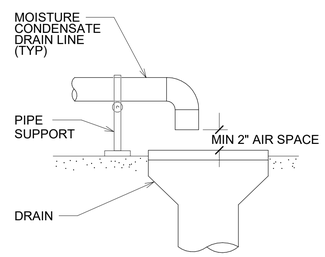
CONDENSATE DRAIN TRAP — 3
No Scale



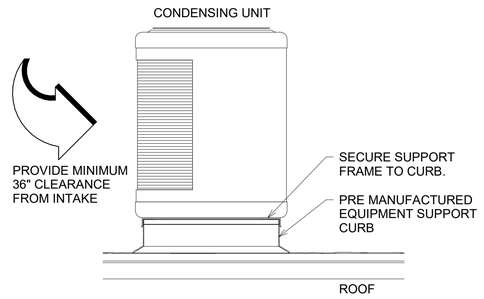
NOTES:

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 — 4
No Scale



TERMINATION DETAIL OF MOISTURE CONDENSATE LINE — 5
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 — 6
No Scale

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TITLE: HVAC - DETAILS

SHEET: M402

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(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 — PREFERRED
3. NO. 10 STEEL SCREWS, OR
4. MINIMUM 3/16" STEEL RIVETS

(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 ACCESS DOOR OR PANEL FOR SERVICING AND INSPECTION DOOR W/ FIRE

NOTES:
1. FIRE DAMPER SLEEVE TO CLEARANCE WITHIN WALLS OPENING.

2. CLEARANCE REQUIREMENTS FOR DAMPER SLEEVES WITHIN A WALL OPENING IS BASED ON 1/8" INCH PER FOOT OF WODTH (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.)

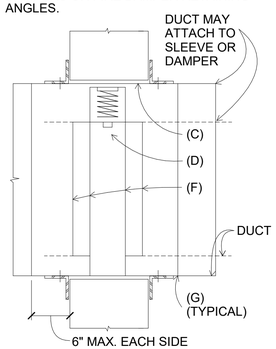
3. THE SLEEVE IS RETAINED IN THE WALL OPENING BY THE USE OF STEEL RETAINING ANGLES (A). THESE MUST OVER-LAP THE EDGE
OF THE FRAMING BY A MINIMUM OF ONE (1) INCH
OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1
3/8 INCHES (GOOD PRACTICE CALLS 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.

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.

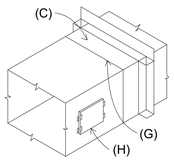
MANUFACTURERS' INSTALLATION DETAILS

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.



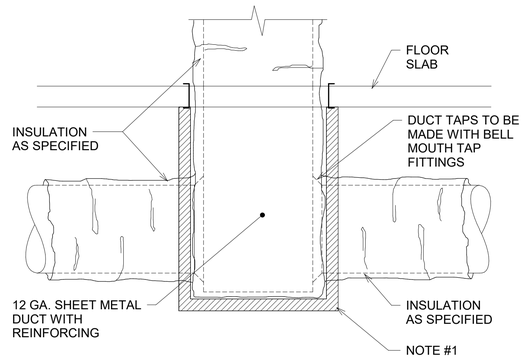
VERTICAL POSITION IS SHOWN, HORIZONTAL INSTALLATION IS SIMILAR. FOLLOW INSTALLATION INSTRUCTION FOR FUSIBLE LINKS. LINKS TO BE 165º F.



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.

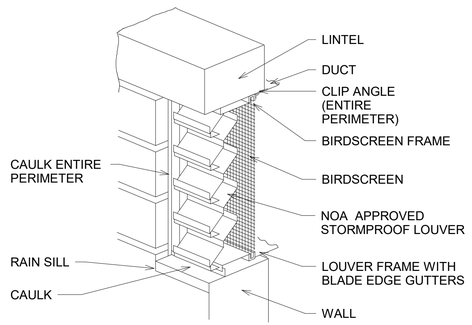
PROVIDE A COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND NOTE SLECTED INSTALLATION FOR ALL DAMPERS AT THE AHCA INSPECTION.

FIRE & FIRE/SMOKE DAMPERS — 1
No Scale



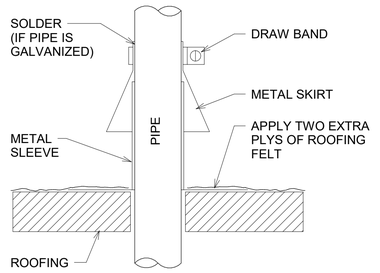
NOTES:
1. PROVIDE 1 LAYER OF 1" THICK KINETICS TYPE "PC-410 GBD" SOUND BARRIER WRAP. WRAP TO BE PROVIDED FOR VERTICAL DROP AND THE FIRST 6 FEET OF EACH TAP.

BOTTOM OF RISER DUCT DROP WITH TAPS ON BOTH SIDES — 2
No Scale

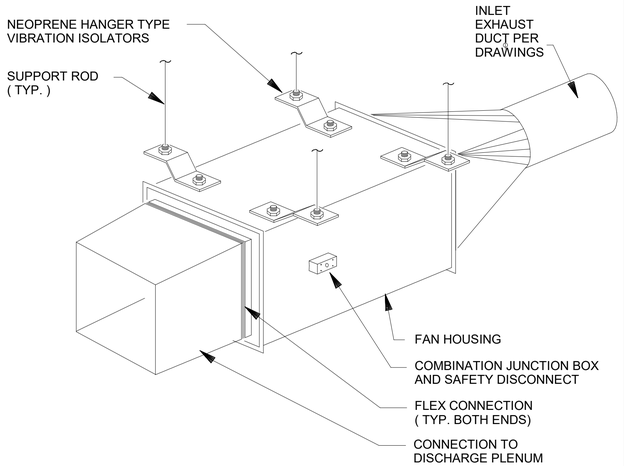


LOUVER MANUFACTURER SHALL SUBMIT DESIGN/ INSTALLATION DRAWINGS STAMPED AND SIGNED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. DESIGN SHALL MEET THE HIGH VELOCITY HURRICANE WIND REQUIREMENTS OF THE FLORIDA BUILDING CODE.

TYPICAL HVAC WALL LOUVER — 4
No Scale



PIPING THRU ROOF DETAIL — 3
No Scale



IN-LINE EXHAUST FAN SIDE DISCHARGE PLENUM MOUNTING DETAIL — 5
No Scale

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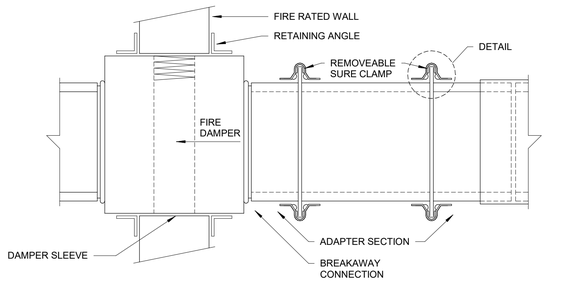
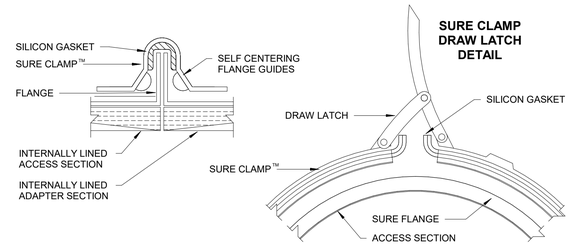
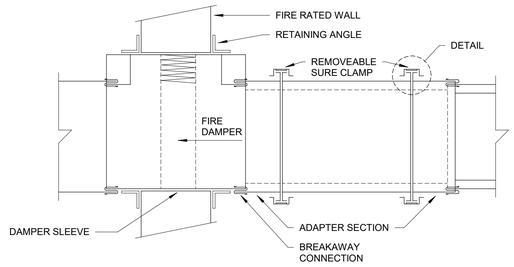


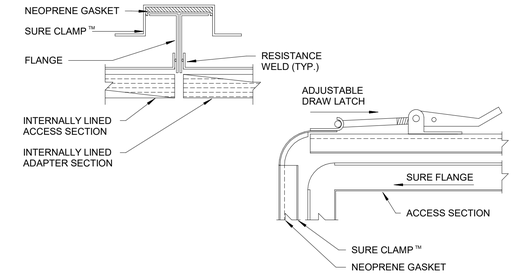


REMOVABLE SECTION OF FIRE DAMPER ROUND DUCT DETAIL

No Scale

1

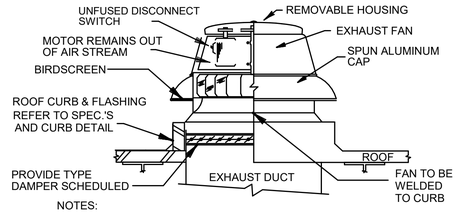




REMOVABLE SECTION OF FIRE DAMPER RECTANGULAR DUCT DETAIL

No Scale

2



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.

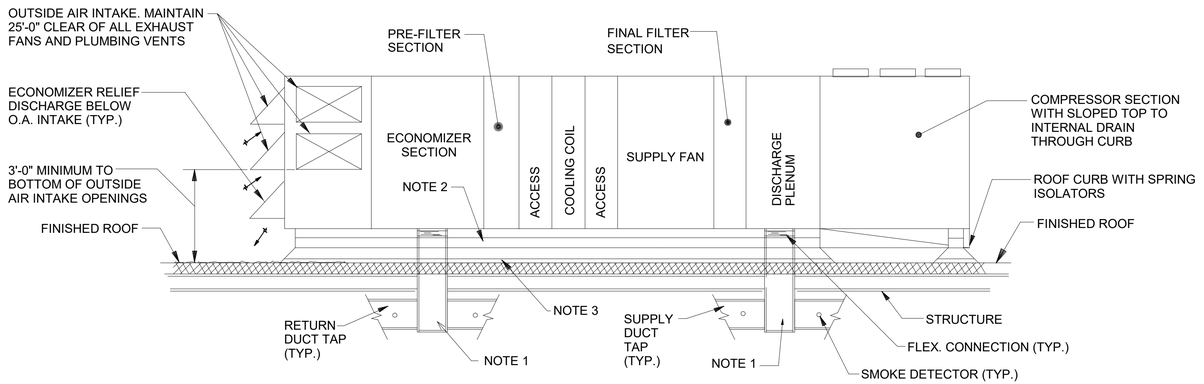
5. PROVIDE SLOPED CURB FOR LEVEL ROOF INSTALLATION.

CENTRIFUGAL EXHAUST FAN

No Scale

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.

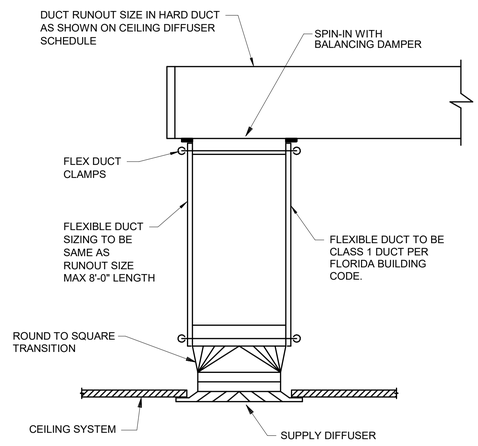
3. PROVIDE ROOF CURB AND LEVEL INSTALLATION OF RTU. CONTRACTOR TO COORDINATE AND VERIFY TOP OF RTU IS BELOW TO OF SCREEN WALL.

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

ROOFTOP UNIT DETAIL

No Scale

4



SUPPLY AIR DIFFUSER DETAIL

No Scale

5

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NOTES FOR SEISMIC ANCHORAGE AND BRACING

A. General

1. Ducts, pipes, and conduits shall be braced in accordance with the 2012 International Building Code (IBC), Occupancy Category III, or IV. Refer to structural drawings for site class, short and long period acceleration parameters and seismic design category. Component importance factor shall be 1.5 for all systems. Bracing calculations and system design to be completed by a registered engineer within the state, refer to specification sections 230547 for additional requirements.

2. Unless otherwise permitted by the Code or applicable bracing standards, in-line equipment shall be braced independently of the ducts or pipes and in conformance with applicable building codes.

3. Pipe, duct, and conduit hangers shall be positively attached to the supporting structure above. The use of C-clamps or other friction-type anchors to hang pipe, duct, and conduit is prohibited. Friction-type anchors such as C-clamps with properly attached retaining straps may be used if approved by the Structural Engineer-of-Record.

4. Refer to the Structural Drawings for acceptable expansion anchor types and test loads where required.

5. Appropriate expansion/contraction capability shall be provided in ducts, conduits, pipes, etc. which cross building expansion direction on each side of the joint centerline. As a minimum, the total relative movement in any horizontal directions shall be equal to the size of the building expansion joint. For example, at a 3-inch building expansion joint, a pipe, duct, or conduit shall be permitted to move a minimum of three inches (1 1/2 inches in each of 2 opposite horizontal directions) on each side of the joint centerline.

6. Light fixtures may be required to be braced independently from ceilings, refer to the architectural documents for required seismic bracing and support of light fixtures.

B. Requirements for Bracing of Ducts

1. Brace rectangular ducts with cross-sectional areas of 6 square feet and larger. Brace flat oval ducts in the same manner as rectangular ducts. Brace round ducts with diameters of 28 inches and larger. Brace flat oval ducts the same as rectangular ducts of the same nominal size. Exception: No bracing is required if the duct is suspended by hangers 12 inches or less in length, as measured from the top of the duct to the bottom of the support where the hanger is attached. Hangers shall be positively attached to the supporting structure above and must be positively attached to the duct within 2 inches of the top of the duct with a minimum of two #10 sheet metal screws.

2. Transverse bracing shall occur at the interval specified in ASCE 706 or at both ends if the duct run is less than the specified interval. Transverse bracing shall be installed at each duct turn and at each end of a duct run, with a minimum of one brace at each end.

3. Longitudinal bracing shall occur at the interval specified in ASCE 706 with at least one brace per duct run.

4. A group of ducts may be combined in a larger frame so the combined weights and dimensions of the ducts are less than or equal to the maximum weight and dimensions of the duct for which bracing details are selected. (Example: to brace a 30" x 30" duct beside a 54" x 28" duct, select bracing for an 84" x 42" duct. The horizontal dimension of the 84" x 42" duct is equal to the combined ducts and its weight is greater than their combined weights.)

5. Un-braced ducts shall be installed with a 6-inch minimum clearance to vertical ceiling hanger wires.

C. Requirements for Bracing of Pipes

1. Provide bracing details, schedules, and notes for all types of pipe, conduit and joints.

2. Seismic support shall not be required for other piping systems where one of the following conditions are met:

a) Piping is supported by rod hangers; hangers in the pipe run are 12 in or less in length from the top of the pipe to the supporting structure; hangers are detailed to avoid bending of the angers and their attachments; and provisions are made for piping to accommodate expected deflections.

b) High-deformability piping is used; provisions are made to avoid impact with larger piping or mechanical components or to protect the piping in the event of such impact; and the following size requirements are satisfied:

1. For Seismic Design Categories D, E, or F, the nominal pipe size shall be 1 in. or less.

2. For Seismic Design Category C, the nominal pipe size shall be 2 in or less.

3. Transverse bracing shall be at 40 feet maximum, except where a lesser spacing is indicated in the tables for bracing of pipes.

4. Longitudinal bracing shall be at 80 feet maximum, except where a lesser spacing is indicated in the tables. In pipes where thermal expansion is a consideration, an anchor point may be used as the specified longitudinal brace provided it has a capacity equal to or greater than a longitudinal brace. The longitudinal braces and connections must be capable of resisting the additional force induced by expansionand contraction.

5. Brace natural gas piping, as required for flammable piping.

6. Provide flexibility in joints where pipes pass through building seismic joints or expansion joints or where rigidly supported pipes connect to equipment with vibration isolators.

7. Branch lines may not be used to brace main lines.

8. A rigid piping system shall not be braced to dissimilar parts of the building or to two dissimilar building systems that may respond differently during an earthquake.

9. Cast-iron pipe of all types, glass pipe, and any other pipe joined with a shield and clamp assembly, where the top of the pipe is 12 inches or more from the supporting structure, shall be braced on each side of a change in a direction of 90 degrees or more. Riser joints shall be braced or stabilized between floors.

10. Vertical risers shall be laterally supported with a riser clamp at each floor. For buildings greater than six stories high, risers shall be engineered individually.

D. Equipment

1. Floor- or pad-mounted equipment without vibration isolators shall be bolted to the floor (slab) with 3/8-inch diameter expansion bolts (see Structural Drawings for acceptable bolt type and required embedment) unless noted or shown otherwise on the MPE Drawings. Provide expansion anchors atthe four corners and at 4'-0" center-to-center maximum along each side unless noted otherwise.

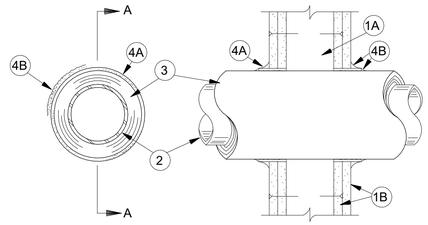
2. Vibration isolators, snubbers, isolation rails, etc. and the anchorage of these assemblies for floor- or roof-mounted or uspended equipment shall be designed for the appropriate seismic forces (Fp) as found in the Chapter 13 if ASCE 7-05 and as required by the IBC. The design seismic forces shall be determined considering the amplification effects of non-rigid or flexible supports. Refer to the specifications for additional information and submittal requirements.

3. Contractor shall submit a letter from each equipment manufacturer stating that active mechanical and electrical equipment that must remain operable following the design level earthquake for the project site shall be certified as operable based on shake table testing as specified in Section 13.2.5 of ASCE 7-05, or experience and historical data as outlined in Section 13.2.6 of ASCE 7-05 while meeting the scheduled and detailed requirements of the project.

NOTES FOR SEISMIC ANCHORAGE AND BRACING
No Scale

1

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

UL LISTED AND CLASSIFIED PRODUCTS UL RECOGNIZED COMPONENTS PRODUCTS CERTIFIED FOR CANADA

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THROUGH-PENETRATION FIRESTOP SYSTEMS
W-L-5001
No Scale

2

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PROJECT # 225004.00

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STATUS CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
6-09-2025 △

TITLE HVAC - DETAILS

SHEET M405

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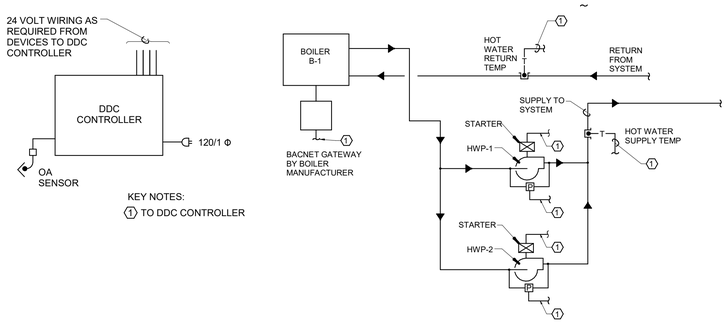


HOT WATER SCHEMATIC

CONTRACTOR SHALL PROVIDE P/T TEST PLUGS AT EVERY TEMPERATURE SESNOR LOCATION FOR HOT WATER SYSTEM.

LEGEND

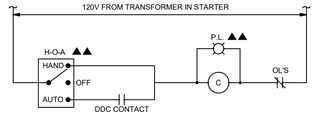
▲	LOCATE IN UNIT CONTROL PANEL	P.L.	PILOT LIGHT
▲▲	CHILLER BUILDING CONTROL PANEL	D.D.C.	DIRECT DIGITAL CONTROL
O.L.'S	OVER LOADS	H.O.A.	HAND-OFF-AUTOMATIC

NOTES:

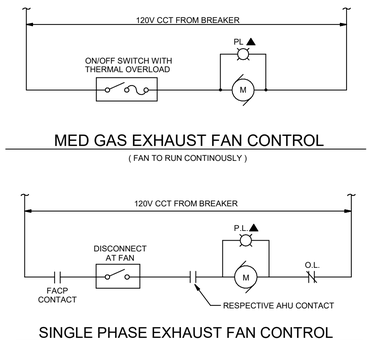
1. ALL 24V & LOWER CONTROL WIRING & CONDUIT BY CONTROLS CONTRACTOR.
2. ALL 120-1 & HIGHER POWER WIRING & CONDUIT BY ELECTRICAL CONTRACTOR.
3. REFER TO DRAWINGS FOR NUMBER OF SUPPLY& RETURN SMOKE DETECTOR REQUIRED FOR EACH RESPECTIVE AHU.

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. HOT WATER PUMPS ARE ENERGIZED THROUGH ACTION OF HAND-OFF-AUTOMATIC SWITCH MOUNTED IN STARTER COVER WHEN IN THE HAND POSITION OR BY EMS WHEN IN THE AUTOMATIC POSITION.
5. HOT WATER PUMP LEAD/LAG IS ACCOMPLISHED VIA ENERGY MANAGEMENT SYSTEM (EMS). ONE HOT WATER PUMP IS STAND-BY. ENERGY MANAGEMENT SYSTEM TO OPTIMIZE RUN TIME OF RESPECTIVE HOT WATER PUMPS. UPON FAILURE OF LEAD PUMP, LAG PUMP IS AUTOMATICALLY ENERGIZED BY ENERGY MANAGEMENT SYSTEM AND DDC SYSTEM SHALL BE ALARMED.



HOT WATER PUMP HWP-1&2



MED GAS EXHAUST FAN CONTROL

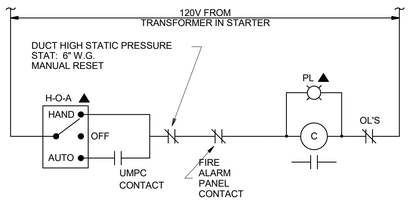
(FAN TO RUN CONTINOUSLY)

SINGLE PHASE EXHAUST FAN CONTROL

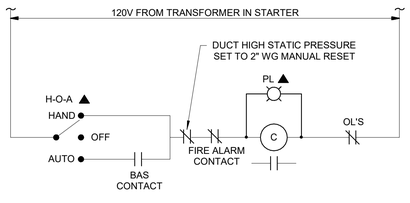
EXHAUST FAN SEQUENCE OF OPERATION AT FIRE ALARM ACTIVATION

UPON ACTIVATION OF FIRE ALARM RTU-2 SHALL SHUT DOWN.
THE FOLLOWING IS TO OCCUR FOR EACH RESPECTIVE EXHAUST FAN:

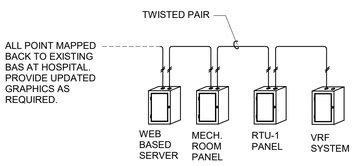
1. EF-1-7 (INTERLOCKED WITH RTU-2) SHALL SHUT DOWN.
2. EF-1- (INTERLOCKED WITH RTU-1) SHALL SHUT DOWN.
3. EF-MG SHALL RUN CONTINUOUSLY



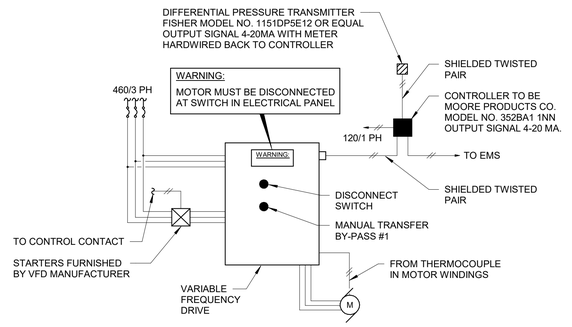
RTU SUPPLY FAN CONTROL



RTU EXHAUST FAN CONTROL



ENERGY MANAGEMENT SYSTEM NETWORK WIRING SCHEMATIC



VARIABLE FREQUENCY DRIVE

AIR HANDLER SUPPLY FANS, RETURN AIR FANS AND HOT WATER PUMPS

PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404

HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
6-09-2025 △

TITLE HVAC - CONTROLS

SHEET M501

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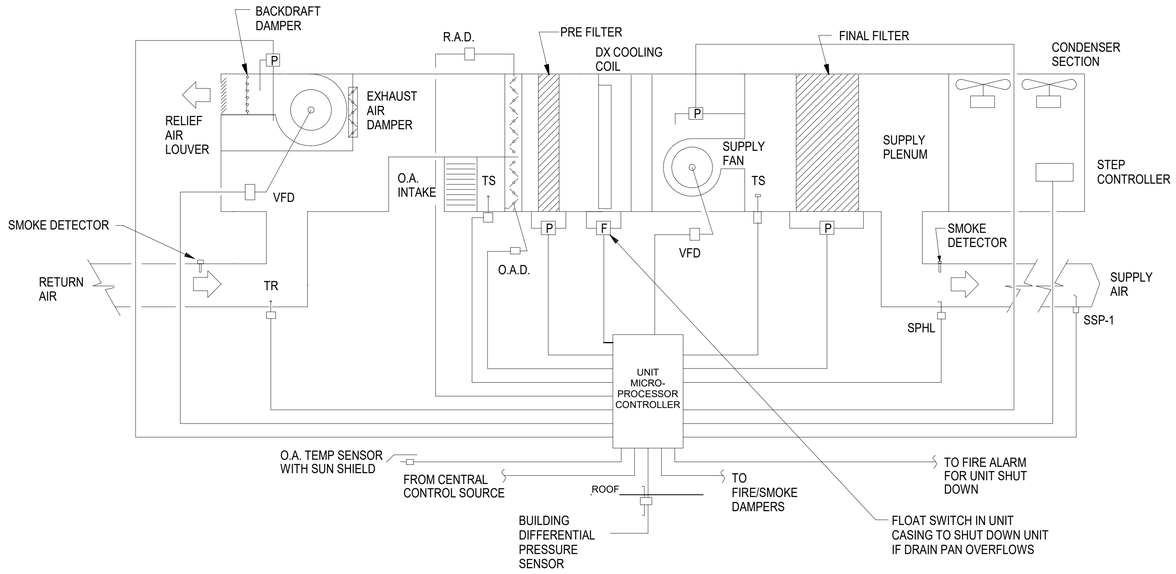


RTU-2 CONTROL

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.

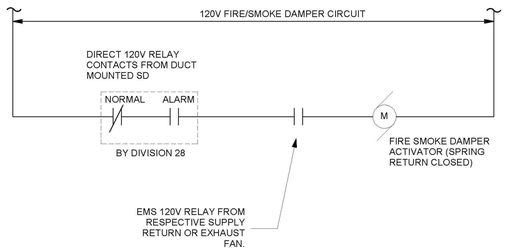
8. WHEN FREEZESTAT SENSES ABNORMALLY LOW TEMPERATURE AIR ENTERING COOLING COIL, OUTDOOR AND RETURN AIR DAMPERS ARE CLOSED TO MINIMUM POSITION. PANEL.

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

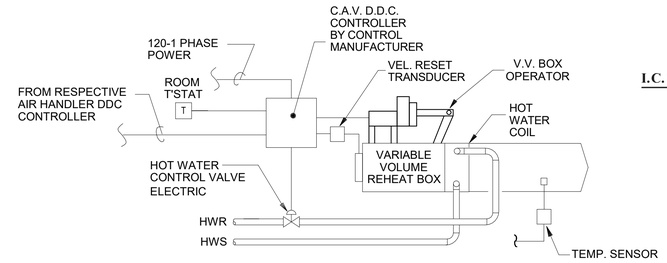


FIRE SMOKE DAMPER (FSD) SEQUENCE OF OPERATION

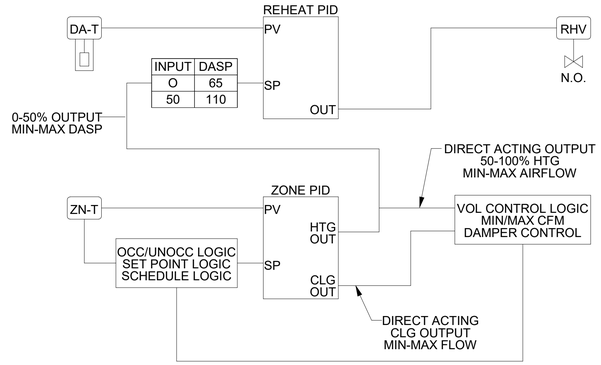
1. ALL FSD ARE TO BE OPENED AND CLOSED BY DIRECT CONTACTS FROM THE LOCAL DUCT MOUNTED SMOKE DETECTOR PROVIDED BY DIVISION 28 AS PART OF THE BUILDING FIRE ALARM SYSTEM OR BY DEDICATED RELAY FROM EMS FOR THE FAN SYSTEM SERVED. SPECIFIED DUCT DETECTORS REQUIRE AIR FLOW TO MAINTAIN SENSING CAPABILITIES, 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

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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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 6-09-2025 △

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	HARDWARE: OUTPUT (O) DIGITAL: Control Relay	Solenoid	Contactor	OUTPUT (O) ANALOG: Space Temp Control	DCC Control Signal	4-20MA Signal	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	SOFTWARE: 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

EMS POINT SUMMARY
AIR HANDLING UNIT
RTU-2

POINT DESCRIPTION	HARDWARE: OUTPUT (O) DIGITAL: Control Relay	Solenoid	Contactor	OUTPUT (O) ANALOG: Discharge Temp Control	DCC Control Signal	HUMIDITY CONTROL	F&B Pre-heat Control	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	SOFTWARE: 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. Ctrl	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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MEDICAL VACUUM PUMP SCHEDULE

ITEM	MFG. & MODEL NO.	DESCRIPTION	ELECTRICAL	HORSE POWER	TOTAL SYSTEM CAPACITY
VP-1	POWEREX CVTD0504AV	CLAW - DUPLEX	480/3/60	4 HP DUPLEX	29 SCFM EACH

HOT WATER CIRCULATING PUMP SCHEDULE

TAG	MANUFACTURER	MODEL	FLOW (GPM)	HEAD (PSI)	HORSEPOWER	ELECTRICAL	LOCATION
CP-1	BELL & GOSSETT	ECOCIRC 20-18 SS	9	12.5	1/20	115/1/60	MECH 129

GAS INSTANTANEOUS WATER HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	FLOW (GPM)	GAS INPUT (BTUH)	LOCATION
WH-1	INTELLIHOT	i200 GEN 2	5	199,950	MECH 129
WH-2	INTELLIHOT	i200 GEN 2	5	199,950	MECH 129

FIXTURE CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION SIZE			
		WASTE	VENT	C.W.	H.W.
WATER CLOSETS AND URINALS					
P101	WATER CLOSET (PUBLIC, FLOOR MT., F.V., BARRIER FREE)	4"	2"	1- 1/4"	---
P304	LAVATORY (WALL MT., GOOSENECK, BARRIER FREE, PATIENT, WRIST BLADE)	2"	2"	1/2"	1/2"
P402	SINK (SS, GN, WB)	2"	2"	1/2"	1/2"
P502	CLINICAL SINK	4"	2"	1"	1/2"
P701	FLOOR DRAIN (REGULAR)	3"	2"	---	---
P710	ROOF DRAIN (15" DIAMETER ROUND, PRIMARY)	4"	---	---	---
P711	ROOF DRAIN (15" DIAMETER ROUND, OVERFLOW)	4"	---	---	---
P724	DOWNSPOUT NOZZLE	4"	---	---	---
P801	WALL HYDRANT (EXTERIOR, FREEZE-PROOF)	---	---	3/4"	---
P819	ROOF HYDRANT	---	---	3/4"	---

PLUMBING FIXTURE 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. REFER TO INTERIOR FINISH DRAWINGS FOR ALL FIXTURES REQUIRING COLOR SELECTION.

PIPING MATERIALS

NUMBER	SPECIFICATION SECTION	PIPE	MATERIAL	TYPES/ASTM's
1	22 66 53 ACID WASTE, PIPING AND EQUIPMENT	Above grade Below grade	Schedule 40 Polylpropylene Schedule 40 Polylpropylene	ASTM D4101 ASTM D4101
2	22 14 00 STORM DRAINGE (SD)	Above grade Below grade	Schedule 40 Cast Iron Schedule 40 PVC	ASTM A 888 ASTM D - 1785 solid wall Type1 Grade 1
3	22 13 16 SANITARY WASTE AND VENT PIPING	Above grade Below grade	Schedule 40 Cast Iron Schedule 40 PVC DWV	ASTM A 888 ASTM D - 2265 solid wall Type1 Grade 1
4	22 11 16 DOMESTIC WATER PIPING AND VALVE	Above grade Below grade	Copper Type "L" hard - drawn Copper Type "K" soft - drawn	ASTM B - 88 ASTM B - 88
5	22 60 13 MEDICAL GAS PIPING SYSTEM	Above grade	Seamless Type Kor L	ASTM B819

NOTE:
REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS.

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

GENERAL NOTES

1. THE DRAWINGS MAY NOT SHOW ALL EXISTING ITEMS OR CONDITIONS. CONTRACTOR SHALL NOT RECEIVE EXTRA PAYMENT FOR REQUIREMENTS WHICH CAN BE INFERRED THROUGH OBSERVATION OF EXISTING CONDITIONS AT THE SITE. IN THE EVENT CONCEALED CONDITIONS ARE ENCOUNTERED WHICH MAY VARY SIGNIFICANTLY FROM THOSE INDICATED ON THE DRAWINGS, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH WORK.

2. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND FIELD VERIFY ALL POINTS OF CONNECTING TO BACK FEED EXISTING PRIOR TO SUBMITTING A BID.

3. CONTRACTOR SHALL PAY ALL FEES AND CHARGES REQUIRED TO ACHIEVE THE INSTALLATION.

4. CONTRACTOR SHALL FIELD VERIFY BY MEASUREMENT THE EXACT LOCATION OF EXISTING EQUIPMENT, PIPING, STRUCTURE AND OTHER CONDITIONS WHICH WILL AFFECT INSTALLATION. CONTRACTOR SHALL LOCATE NEW EQUIPMENT AND ROUTE NEW PIPING TO AVOID CONFLICTS AND INTERFERENCES WITH EXISTING FIELD CONDITIONS. FINAL COORDINATION WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. DRAWINGS SHALL NOT BE SCALED.

6. PROVIDE SHUT OFF VALVES AT ALL CONNECTIONS BETWEEN NEW AND EXISTING ON WATER AND GAS LINES.

7.COORDINATE WITH GENERAL CONTRACTOR THE PATCHING OF FLOORS TO ACCOMMODATE NEW PIPING TO MATCH EXISTING.

8. COORDINATE WITH GENERAL CONTRACTOR THE PATCHING OF ROOF WHERE ROOF DRAINS AND VENTS THRU ROOF ARE REMOVED.

9. WHERE CHASES ARE REMOVED, OFFSET ALL EXISTING LINES TO NEW CHASES OR WALLS AND RECONNECT ABOVE CEILING AND BELOW FLOOR AS REQUIRED.

10. ALL EXISTING SYSTEMS TO REMAIN IN SERVICE SHALL BE BACKFED AND RESTORED TO FULL OPERATION.

11. EXISTING FIXTURES TO REMAIN WITHIN THE RENOVATION AREAS SHALL BE CLEANED AFTER CONSTRUCTION.

12. PROVIDE TRAP PRIMER CONNECTION AND TRAP PRIMER TO SERVE ALL FLOOR DRAINS.

13. FIRESTOP ALL PENETRATIONS THROUGH RATED WALL AND FLOORS.

14. INSTALL CLEANOUTS AT BASE OF ALL SANITARY AND STORM STACKS, AT ALL CHANGE IN DIRECTIONS GREATER THAN 45° AND IN STRAIGHT RUNS AT LEAST EVERY 50 FT.

15.EXTEND DRAIN PIPING FROM REDUCED PRESSURE BACKFLOW PREVENTER TO FLOOR DRAIN THE RPBP SERVES.

16. ALL EXPOSED WATER PIPING IN FINISHED SPACES TO BE CHROME PLATED.

17. ALL PLUMBING FIXTURES TO BE SEALED AT FLOOR OR WALL USING SANITARY SEALANT APPROVED FOR THE PURPOSE.

18. ALL PLUMBING, MEDICAL GAS AND FIRE PROTECTION EQUIPMENT TO BE INSTALLED ON 6" CONCRETE HOUSEKEEPING PAD.

19. CONTRACTOR SHALL OFFER ALL REMOVED PLUMBING FIXTURES TO OWNER. CONTRACTOR SHALL DISPOSE OF ALL FIXTURES NOT ACCEPTED BY OWNER OFFSITE.

20. REMOVE ALL PLUMBING FIXTURES SHOWN IN HATCHED AREAS. CAP WASTE PIPING BELOW FLOOR AND REMOVED ALL WATER PIPING SERVING PLUMBING FIXTURE BEING REMOVED. WASTE PIPING WHICH IS TO BE REUSED SHALL BE CLEANED AND RODDED. PATCH FLOOR TO MATCH EXISTING.

21. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF WALL PENETRATION WHERE WALL MOUNTED ITEMS ARE REMOVED.

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BAY 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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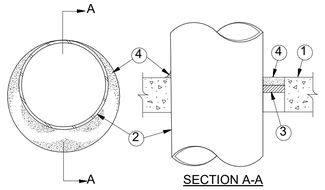
AHCA #3093000034

DATES OF ISSUANCE
06-09-25

SHEET TITLE
PLUMBING - SCHEDULES AND DETAILS

SHEET
P001

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

UL LISTED AND CLASSIFIED PRODUCTS UL RECOGNIZED COMPONENTS PRODUCTS CERTIFIED FOR CANADA

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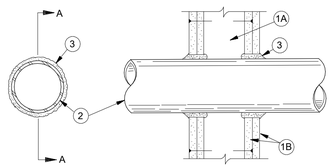
THROUGH-PENETRATION FIRESTOP SYSTEMS C-AJ-1001
No Scale

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

UL LISTED AND CLASSIFIED PRODUCTS UL RECOGNIZED COMPONENTS PRODUCTS CERTIFIED FOR CANADA

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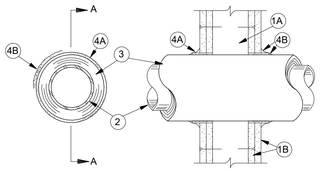
THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-1001
No Scale

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 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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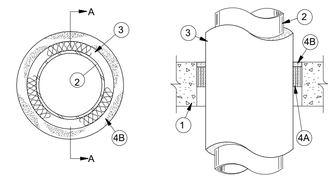
THROUGH-PENETRATION FIRESTOP SYSTEMS W-L-5001
No Scale

3

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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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06-09-25 △

TITLE
PLUMBING - FIRESTOPPING DETAILS

SHEET
P002

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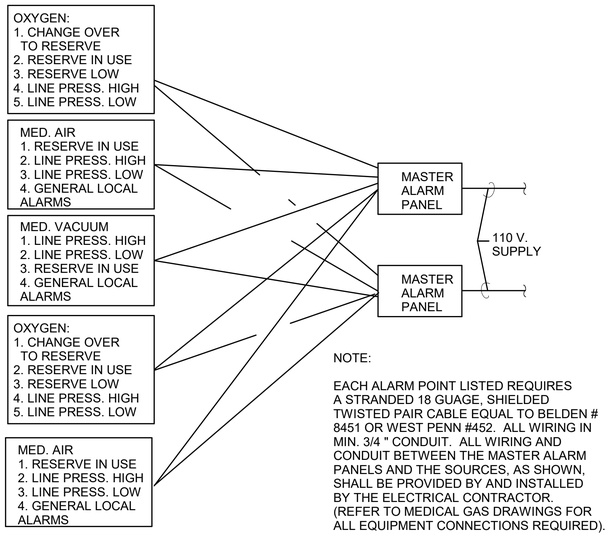
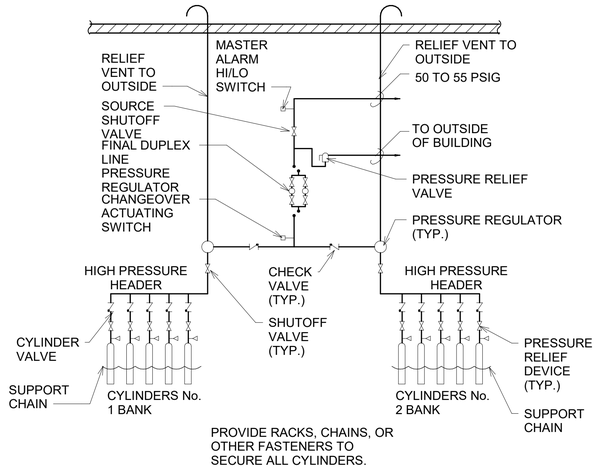


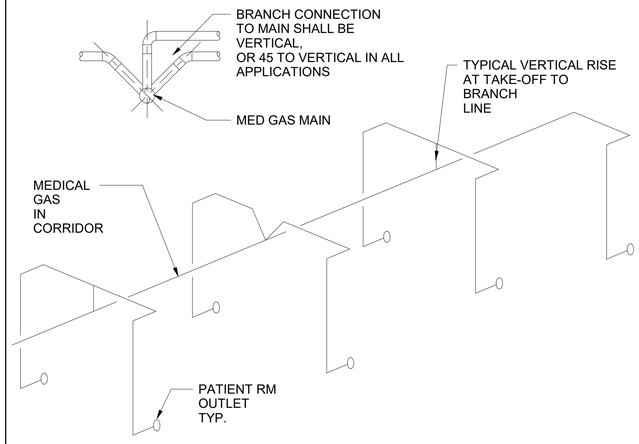
MEDICAL GAS MASTER ALARM PANEL WIRING SCHEMATIC — 1
No Scale



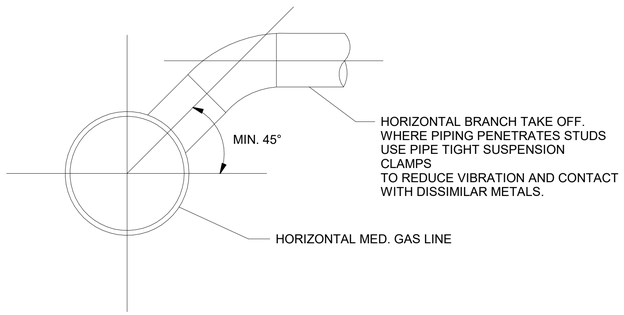
NOTE:
VERIFY NUMBER OF CYLINDERS FOR EACH GAS SERVICE.

(TYPICAL FOR OXYGEN AND AIR)

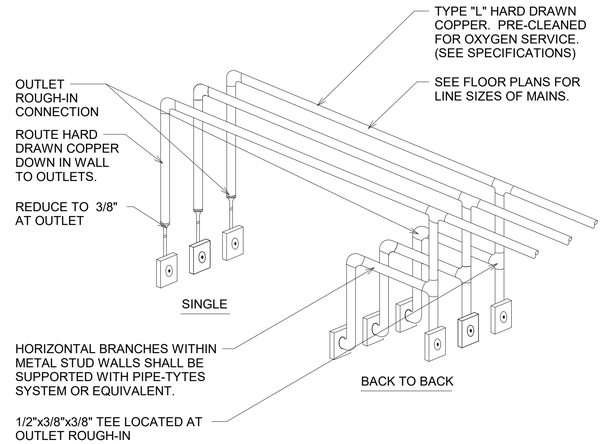
TANK CYLINDER MANIFOLD PIPING SCHEMATIC — 2
No Scale



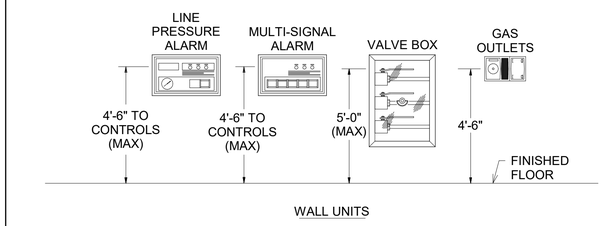
PATIENT ROOM AND CORRIDOR MEDICAL GAS MAINS DETAIL — 3
No Scale



MEDICAL GAS HORIZONTAL BRANCH TAKEOFF — 4
No Scale



MEDICAL GAS PIPING AT OUTLETS — 5
No Scale



MEDICAL GAS MOUNTING HEIGHT DETAIL — 6
No Scale

PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06-09-25 △

TITLE: PLUMBING - MED GAS DETAILS

SHEET: P003

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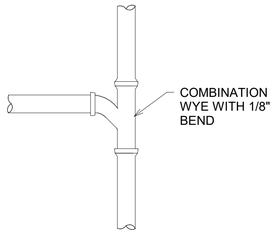
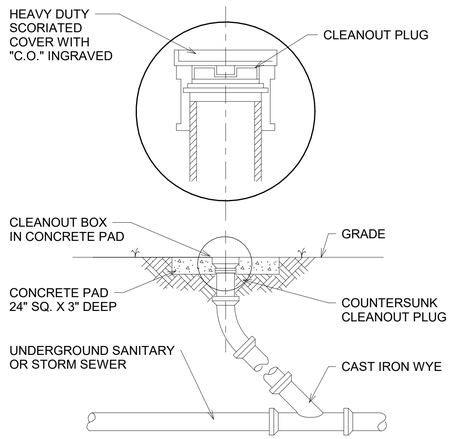
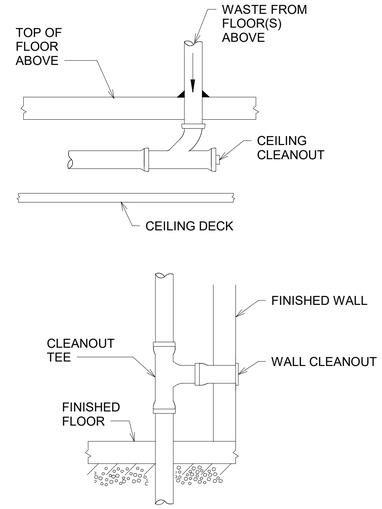


SINGLE INLET CONNECTION

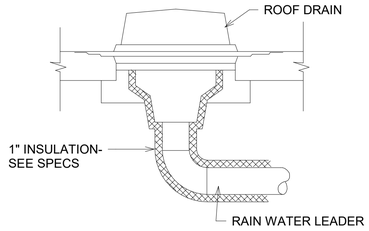
SANITARY PIPE CONNECTION DETAIL 1
No Scale



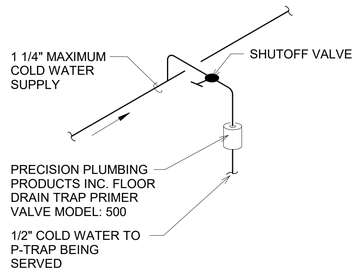
EXTERIOR CLEANOUT DETAIL 2
No Scale



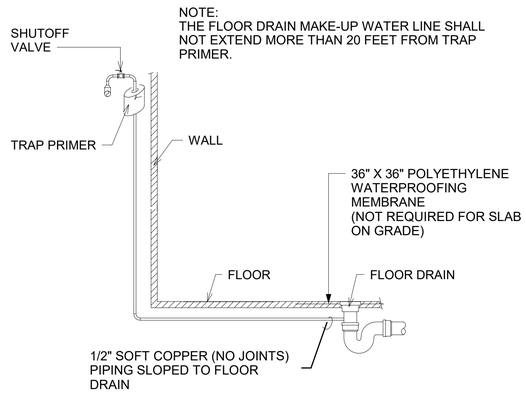
BASE OF RISER CLEANOUT DETAIL 3
No Scale



ROOF DRAIN INSULATION DETAIL 4
No Scale



SINGLE TRAP PRIMER DETAIL 5
No Scale



FLOOR DRAIN TRAP PRIMER DETAIL 6
No Scale

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AHCA #3093000034

DATES OF ISSUANCE
06-09-25 △

TITLE
PLUMBING - DETAILS

SHEET
P004

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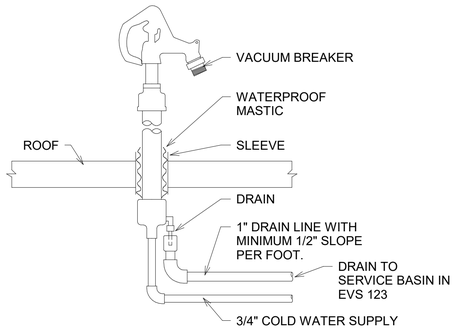
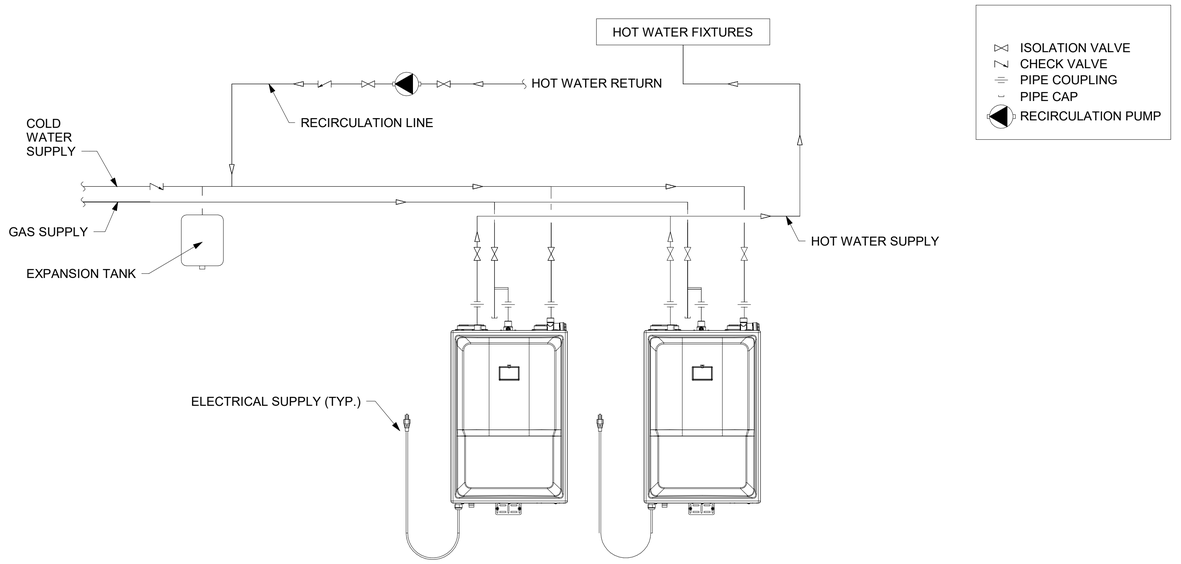


JOSAM 71400 WITH VACUUM BREAKER

HOSE HYDRANT ON ROOF DETAIL

No Scale

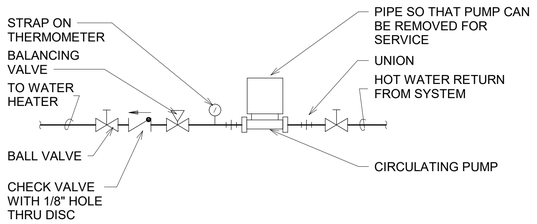
1



TANKLESS WATER HEATER DIAGRAM

No Scale

2



IN-THE-LINE CIRCULATING PUMP DETAIL

No Scale

3

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TITLE: PLUMBING - DETAILS

SHEET: P005

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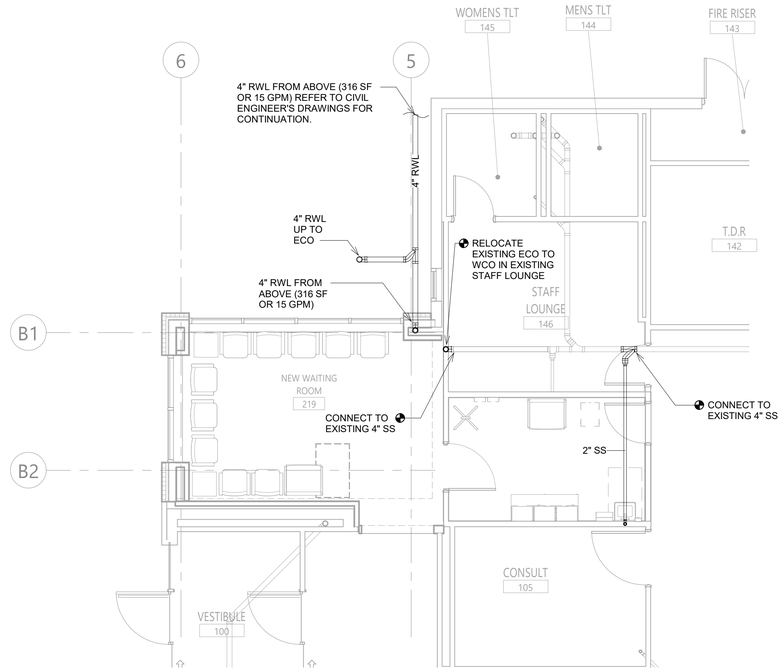
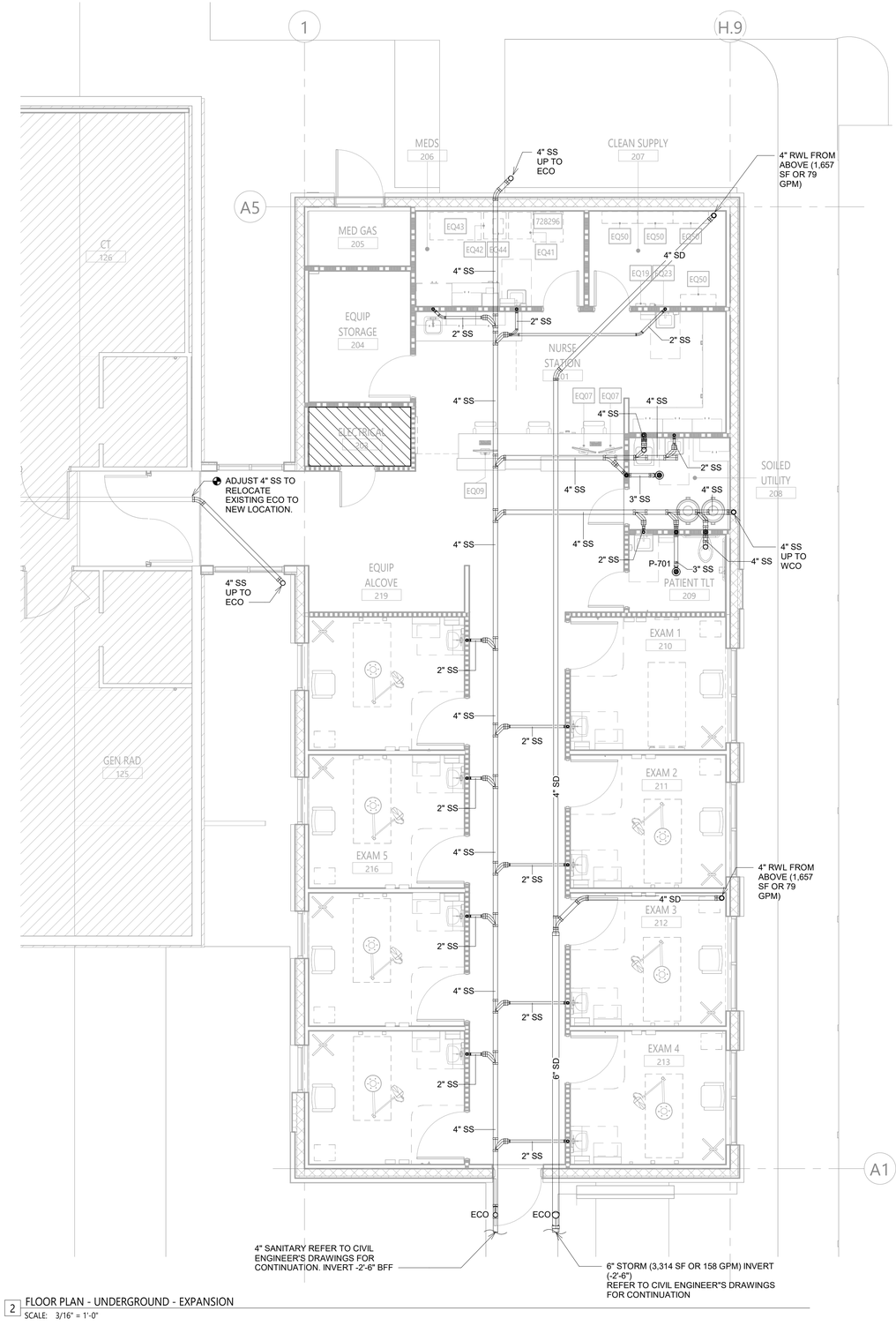


1 FLOOR PLAN - UNDERGROUND - WAITING/RENO
SCALE: 3/16" = 1'-0"



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

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

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TITLE
UNDERGROUND - FLOOR PLAN

SHEET
P101

0' 2' 4' 8' 16'

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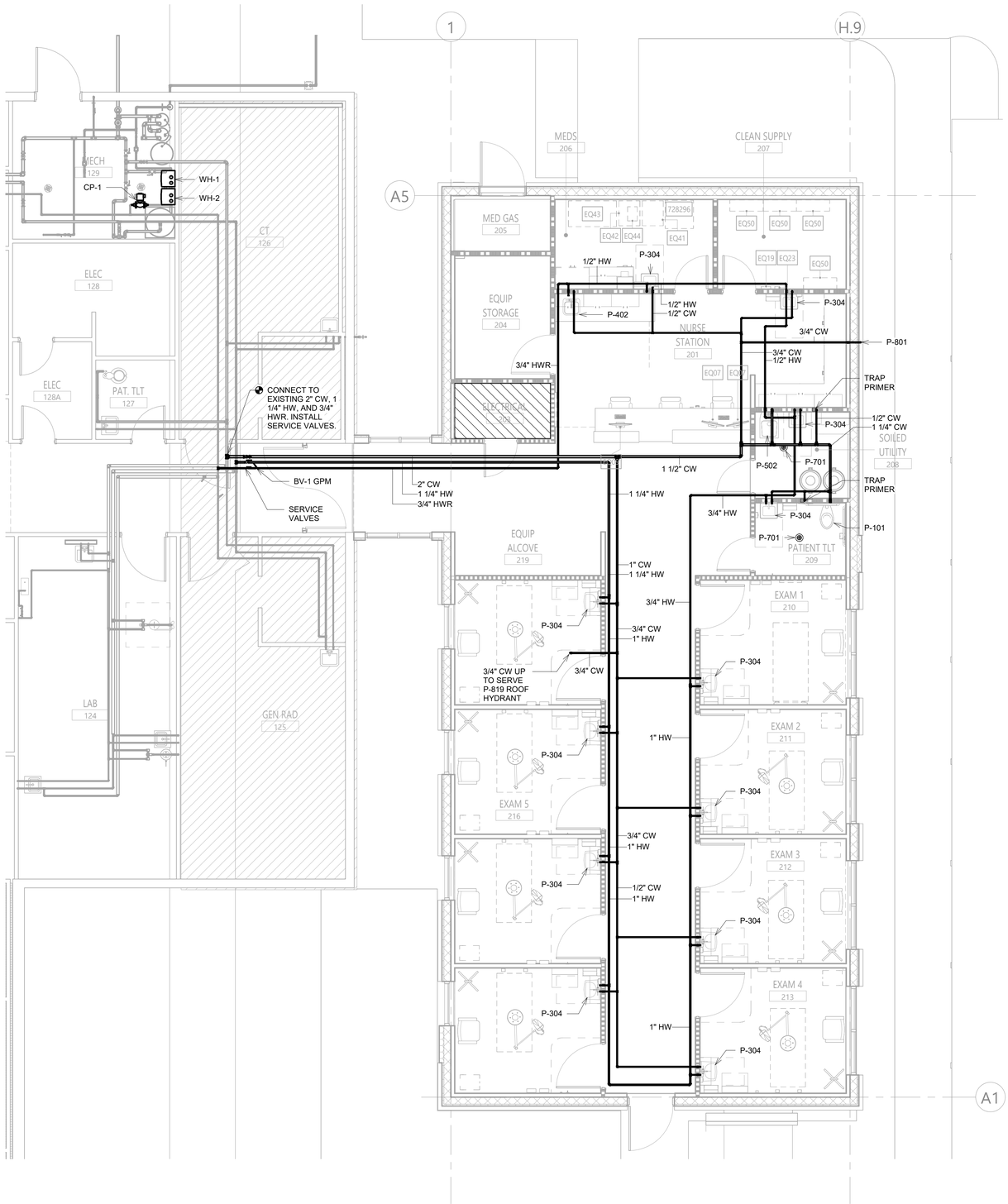
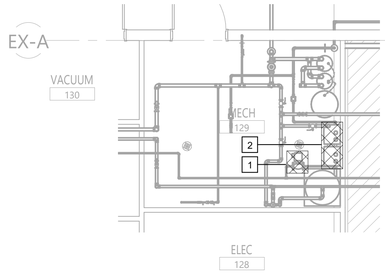
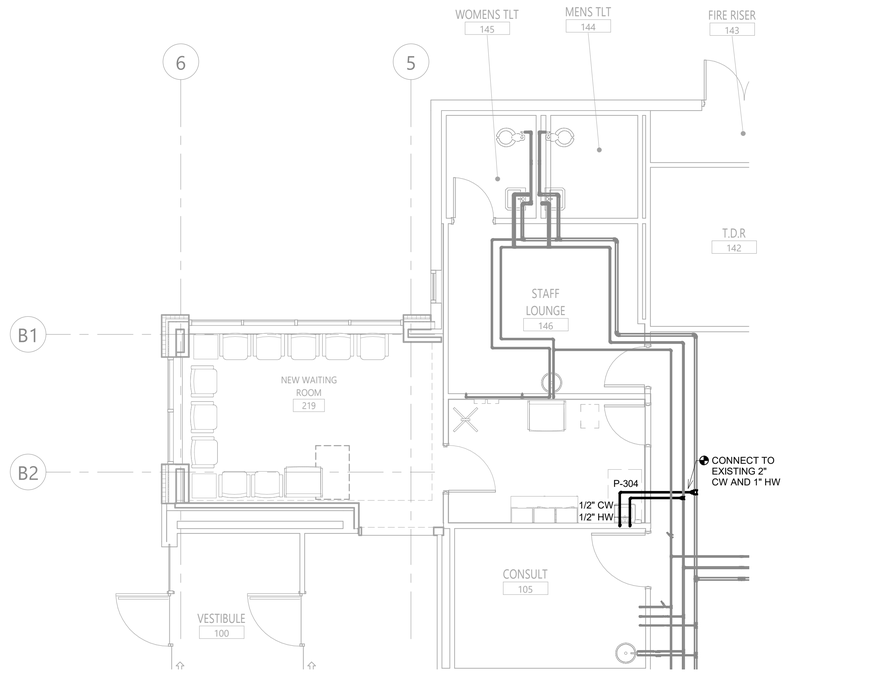


2 FLOOR PLAN - PLUMBING - EXPANSION
SCALE: 3/16" = 1'-0"



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



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

0' 2' 4' 8' 16'

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

DEMO LEGEND

EXISTING TO REMAIN

DEMOLITION

SHEET NOTES: #

1. EXISTING HOT WATER RECIRCULATION PUMP CP-1 TO BE REMOVED AND REPLACED. CONTRACTOR TO CONSULT OWNER ON HOW TO PROCEED WITH STORAGE AND/OR DISPOSAL. REPLACE CP-1 WITH NEW BELL & GOSSETT ECOCIRC 20-18 SS. SEE SCHEDULE ON P001. SEE DETAIL # 3 ON P005.
2. EXISTING HOT WATER HEATERS WH-1 AND WH-2 TO BE REMOVED AND REPLACED. CONTRACTOR TO CONSULT OWNER ON HOW TO PROCEED WITH STORAGE AND/OR DISPOSAL. REPLACE WH-1 AND WH-2 WITH TWO NEW INTELLIHOT i200 GEN II. SEE SCHEDULE ON P001. SEE DETAIL #2 ON P005.

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TITLE: PLUMBING - FLOOR PLAN - LEVEL 1

SHEET: P201

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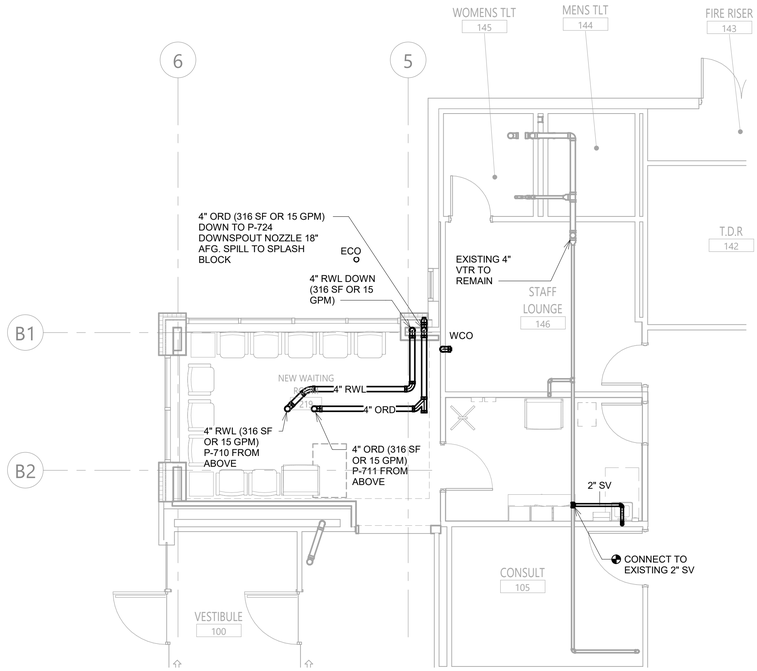
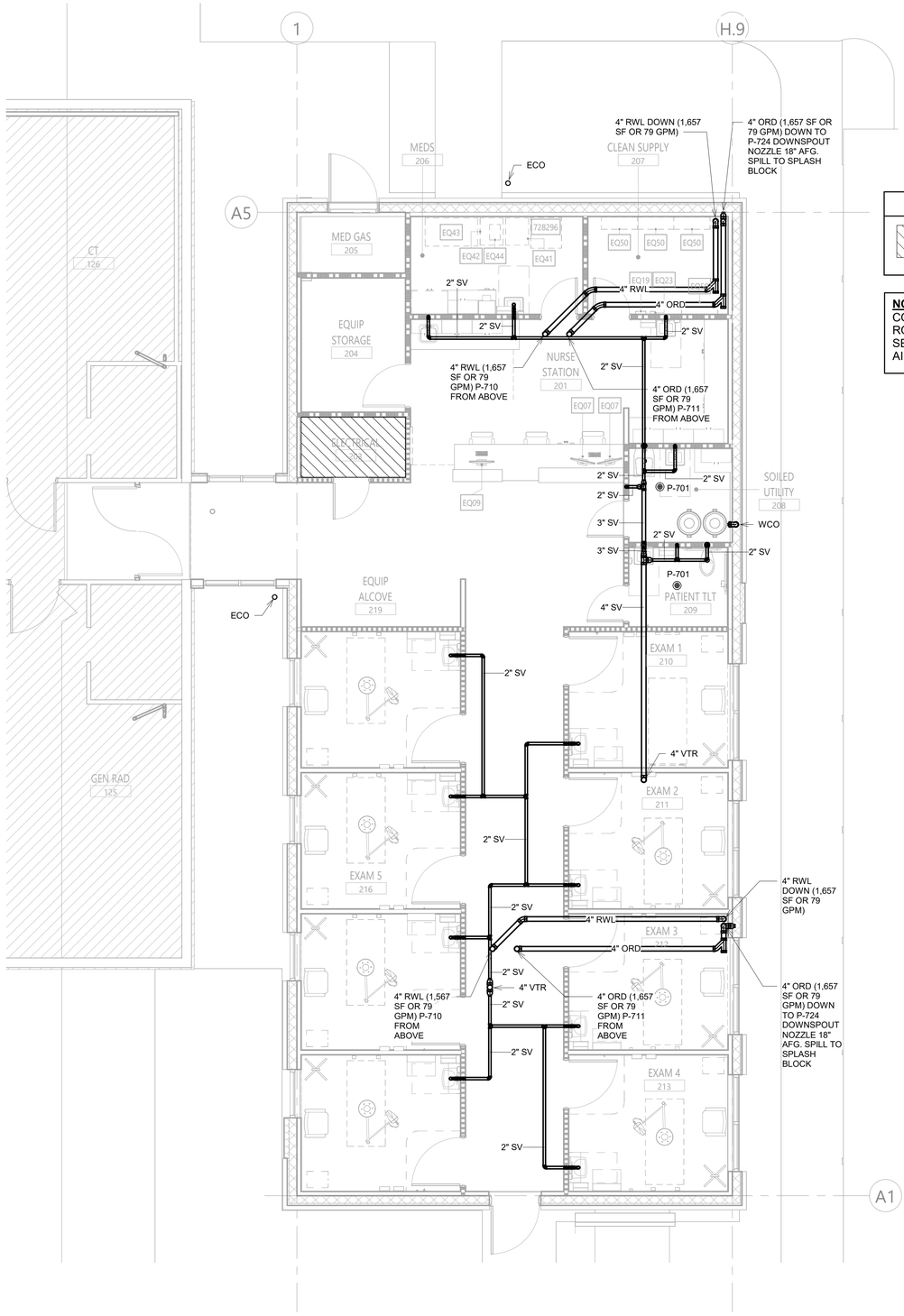


1 FLOOR PLAN - SANITARY - WAITING/RENO
SCALE: 3/16" = 1'-0"



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

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

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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TITLE
SANITARY - FLOOR PLAN - LEVEL 1

SHEET
P301

0' 2' 4' 8' 16'

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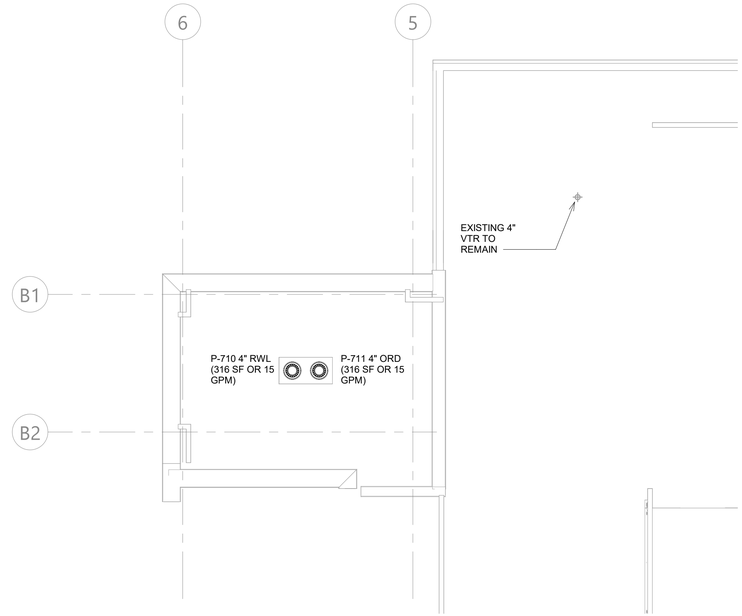
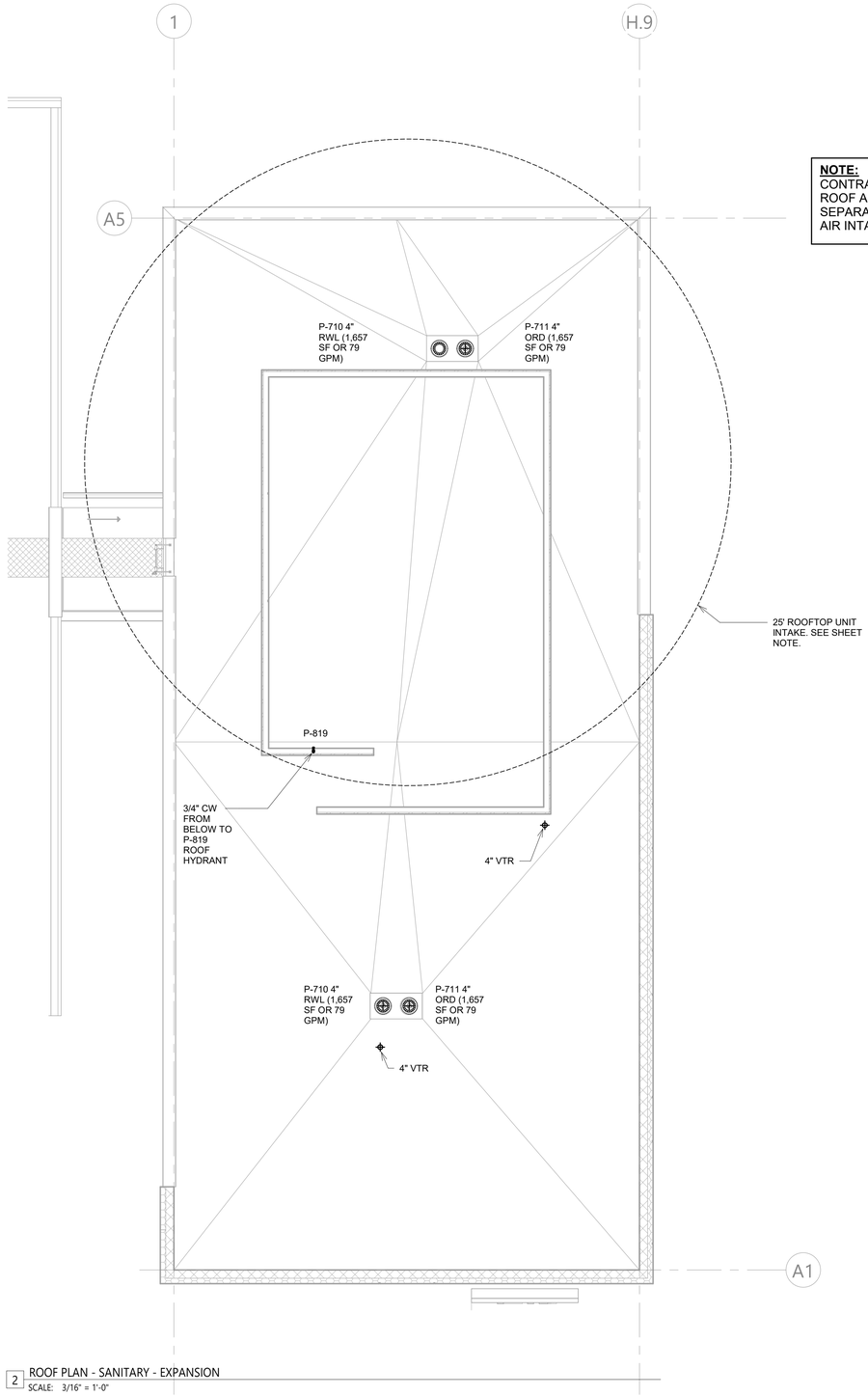


1 ROOF PLAN - SANITARY - WAITING/RENO
SCALE: 3/16" = 1'-0"



2 ROOF PLAN - SANITARY - EXPANSION
SCALE: 3/16" = 1'-0"

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Nashville, TN 37204
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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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TITLE
SANITARY - ROOF PLAN

SHEET
P302

0' 2' 4' 8' 16'

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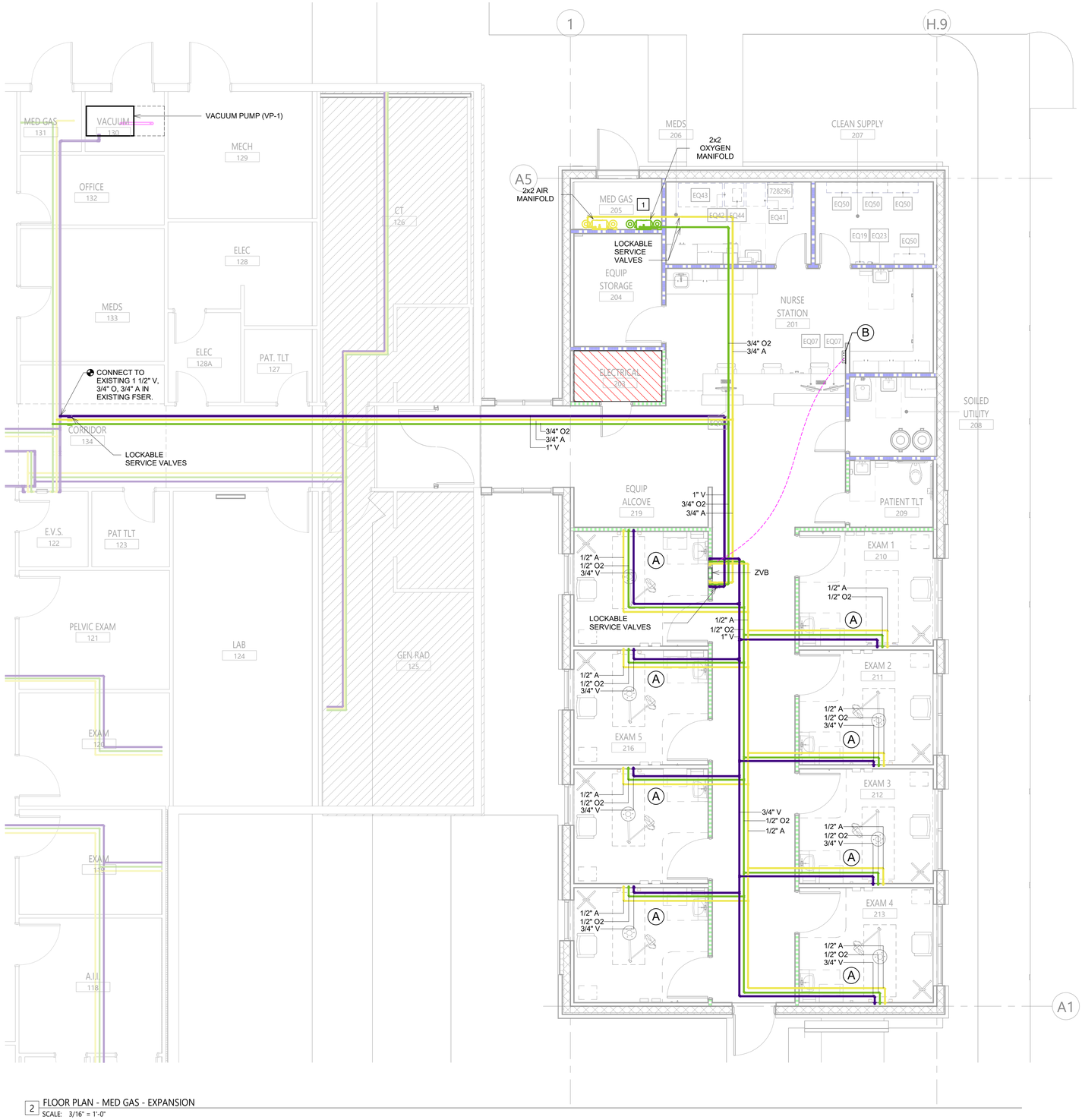
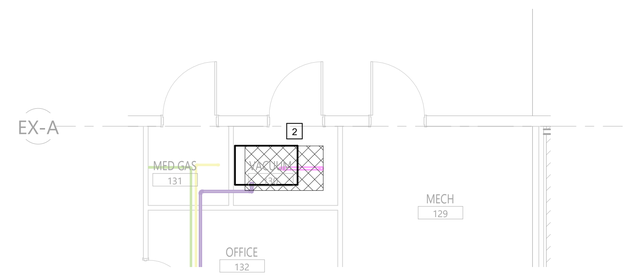


2 FLOOR PLAN - MED GAS - EXPANSION
SCALE: 3/16" = 1'-0"



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

AREA PIPING LEGEND

DEDICATED SPACE. NO PIPING THROUGH THIS AREA TO SERVE ADJACENT AREA OR SPACE.

DEMO LEGEND

EXISTING TO REMAIN
DEMOLITION

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.

SHEET NOTES: #

1. MEDICAL GAS ROOM TO CONTAIN (1) 2X2 O2 AND (1) 2X2 MEDICAL AIR MANIFOLD. THERE IS SPACE FOR APPROXIMATELY 2 SPARE O2 CYLINDERS AND 2 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 2,196 CUBIC FT.

   THE ENTIRE VOLUME OF THE CONNECTED VESSELS THAT ARE ON A COMMON MANIFOLD = 1 OXYGEN CYLINDER AT 187 CU FT

   187 CU FT/5 CU FT = 37.4 CFM
   MECHANICAL VENTINATION MINIMUM REQUIRED.

2. EXISTING MEDICAL VACUUM PUMP TO BE REMOVED AND REPLACED. CONTRACTOR TO CONSULT OWNER ON HOW TO PROCEED WITH STORAGE AND/OR DISPOSAL. TEMPORARY MEDICAL VACUUM PUMP SYSTEM SHALL BE PROVIDED FOR BACK-UP DURING REPLACEMENT. TEMPORARY VACUUM PUMP TO BE BEACON MEDAES MODEL VHV05D-080HV-BD, ROTARY VANE, 480/3/60, 5HP, 21 SCFM EACH OR APPROVED EQUAL. EXTEND ELECTRICAL TO SERVE.

MEDICAL GAS SCHEDULE

SYMBOL	TYPE OUTLET	GASES	LOCATION
(A)	WALL OUTLETS	(1)O2, (1)A, (1)V, (1)SL	EXAM
(B)	LINE PRESSURE ALARM	O2, A, V	NURSE'S STATION

NOTE:
REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS

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TITLE
MED GAS - FLOOR PLAN - LEVEL 1

SHEET
P401

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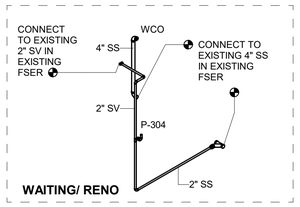
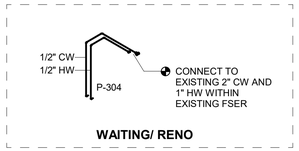
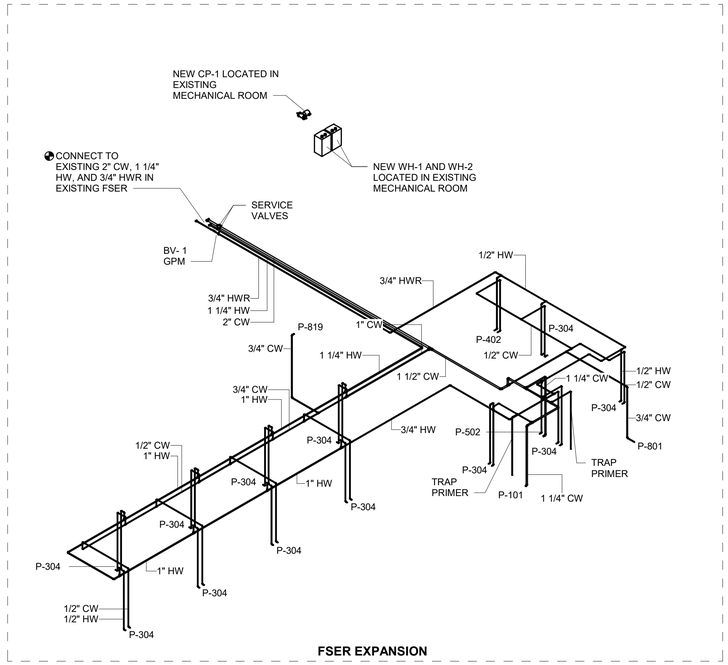
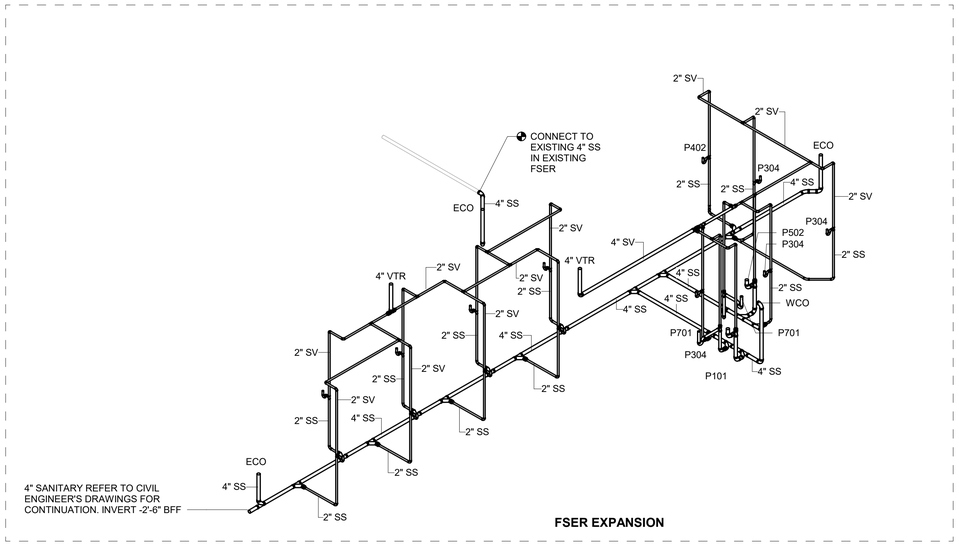






1 DOMESTIC WATER RISERS
SCALE:



2 SANITARY RISERS
SCALE:

0' 2' 4' 8' 16'

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TITLE RISER DIAGRAMS

SHEET P501

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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)
S	SINGLE POLE TOGGLE SWITCH (EMERGENCY/RED)
S_3	THREE-WAY TOGGLE SWITCH (EMERGENCY/RED)
S_D	UNIVERSAL DIMMER (EMERGENCY/RED)
S_{3D}	THREE-WAY UNIVERSAL DIMMER (EMERGENCY/RED)
S_V	WALL SWITCH VACANCY SENSOR (EMERGENCY/RED)
S_{VD}	WALL SWITCH VACANCY SENSOR W/DIMMING (EMERGENCY/RED)
S_{LVD}	WALL MOUNT LOW-VOLTAGE DIMMER (EMERGENCY/RED)
S_{LV}	WALL MOUNT LOW-VOLTAGE SWITCH (EMERGENCY/RED)
VC	CEILING MOUNTED VACANCY SENSOR
DL	CEILING MOUNTED DAY-LIGHT SENSOR
PE	PHOTOCELL

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
RGJ	REMOTE RECEPTACLE GROUND JACK MODULE (ROOM GROUND POINT) SEE DETAIL
RGJ	REMOTE RECEPTACLE GROUND JACK MODULE (PATIENT GROUND POINT) SEE DETAIL
	O.R. CLOCK/TIMER
	SHUNT TRIP EMERGENCY OFF BUTTON

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
SD	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 OF 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.

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

BRANCH COLOR LEGEND

	NORMAL BRANCH
	ESSENTIAL BRANCH
	LIFE SAFETY BRANCH
	CRITICAL BRANCH
	EQUIPMENT BRANCH

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 HEALTH CARE FACILITIES 2022 EDITION.

LIGHTING FIXTURE SCHEDULE

TYPE	Count	Manufacturer	CATALOG NUMBER	Wattage	MOUNT	REMARKS
10	1	LITHONIA	CPANL-2X2-AL01-SWW7-M4	96 W	RECESSED	2'x2' LED LENSED - FIELD TUNE FIXTURE TO 4000K/4400LM
14	20	LITHONIA	CPANL-2X4-AL06-SWW7-M2	96 W	RECESSED	2'x4' LED LENSED - FIELD TUNE FIXTURE TO 4000K/6000LM
22	13	LITHONIA	STAKP-2X4-4000LM-80CRI-40K-COLT-MIN1-ZT-MVOLT	96 W	RECESSED	2'x4' LED VOLUMETRIC - 4000 LUMENS
23	5	LITHONIA	STAKP-2X4-6000LM-80CRI-40K-COLT-MIN1-ZT-MVOLT	96 W	RECESSED	2'x4' LED VOLUMETRIC - 6000 LUMENS
30	2	LITHONIA	CLX-L48-5000LM-SEF-WDL-MVOLT-GZ10-40K-80CRI-WH-HC36	64 W	CHAIN	4' STRIP LIGHT
43	5	LITHONIA	LDN6-40/25-L06-AR-LSS-TRW-MVOLT-EZ1	18 W	RECESSED	6" DIMMABLE LED DOWNLIGHT - 4000K/2500 LUMENS
71	6	LITHONIA	LE-S-1-R-120/277	3 W	SURFACE	SINGLE SIDED EXIT SIGN (WHITE - RED LETTERS)-CHEVRONS PER PLANS
81	6	LITHONIA	DSXW1-LED-20C-700-40K-T3M-MVOLT-PE-DDBXD	46 W	WALL	DECORATIVE WALL PACK WITH PHOTOCELL
D1	4	LITHONIA	DSX1-LED-P8-40K-T3M-MVOLT-SPA-HS-DDBXD	102 W	20' POLE	PARKING/SITE LIGHTING TYPE 4 DISTRIBUTION

FIXTURE SCHEDULE NOTES:

A. PROVIDE 20' SQUARE ALUMINIUM POLE. POLE SHALL BE SIZED TO MEET ALL WIND LOAD CAPACITIES AS REQUIRED BY FLORIDAD BUILDING CODE. THE TOTAL EPA PER TYPE 'DSX1' FIXTURE IS 1.01 SQFT AND THE TOTAL WEIGHT PER TYPE 'DSX1' FIXTURE IS 27LBS.

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PROJECT # 225004.00

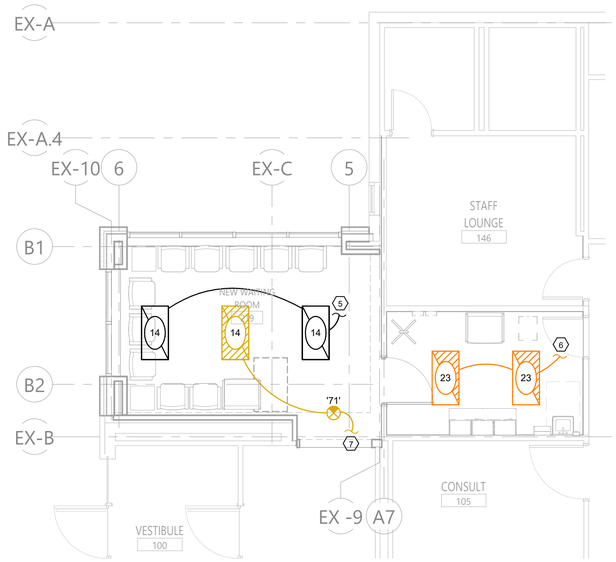
PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - LEGEND

SHEET: E000



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

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

KEY NOTES:

1. EXISTING LIGHT FIXTURE TO REMAIN
2. FINAL LOCATION OF LIGHT FIXTURES TO BE FIELD COORDINATED WITH DUCT, PIPING, ETC.
3. CIRCUIT TO PASS THROUGH EXISTING LIGHITNG CONTACTOR CONTROLLING EXTERIOR LIGHTS. IF THERE IS NO ADDITIONAL SPACE REMAINING IN THE EXISITING LIGHTING CONTACTOR A NEW 8-POLE CONTACTOR BE PROVIDED.
4. 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 TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.
5. UTILIZE SPARE 10A/1P BREAKER IN EXISTING PANNEL 'LN' SERVING THE SPACE.
6. UTILIZE SPARE 10A/1P BREAKER IN EXISTING PANNEL 'LEC' SERVING THE SPACE.
7. UTILIZE SPARE 10A/1P BREAKER IN EXISTING PANNEL 'LEA' SERVING THE SPACE.

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AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: LIGHTING - FLOOR PLAN

SHEET: E101

0' 2' 4' 8' 16'

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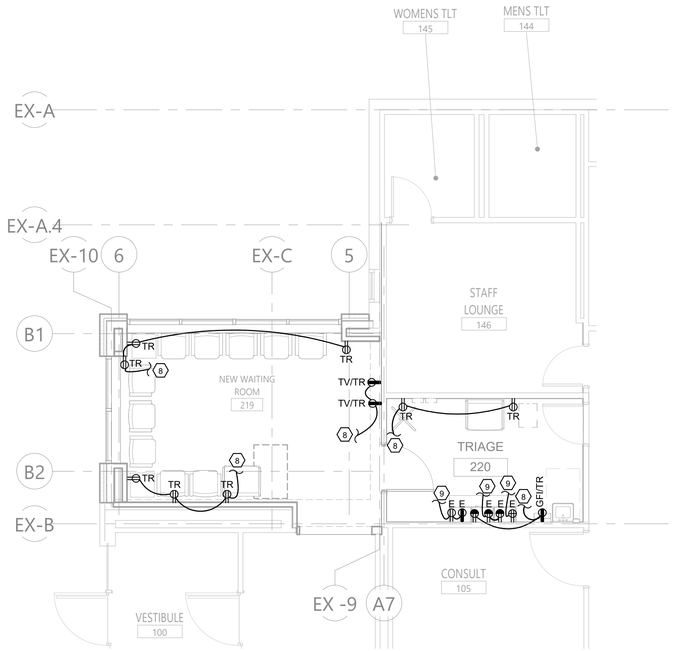
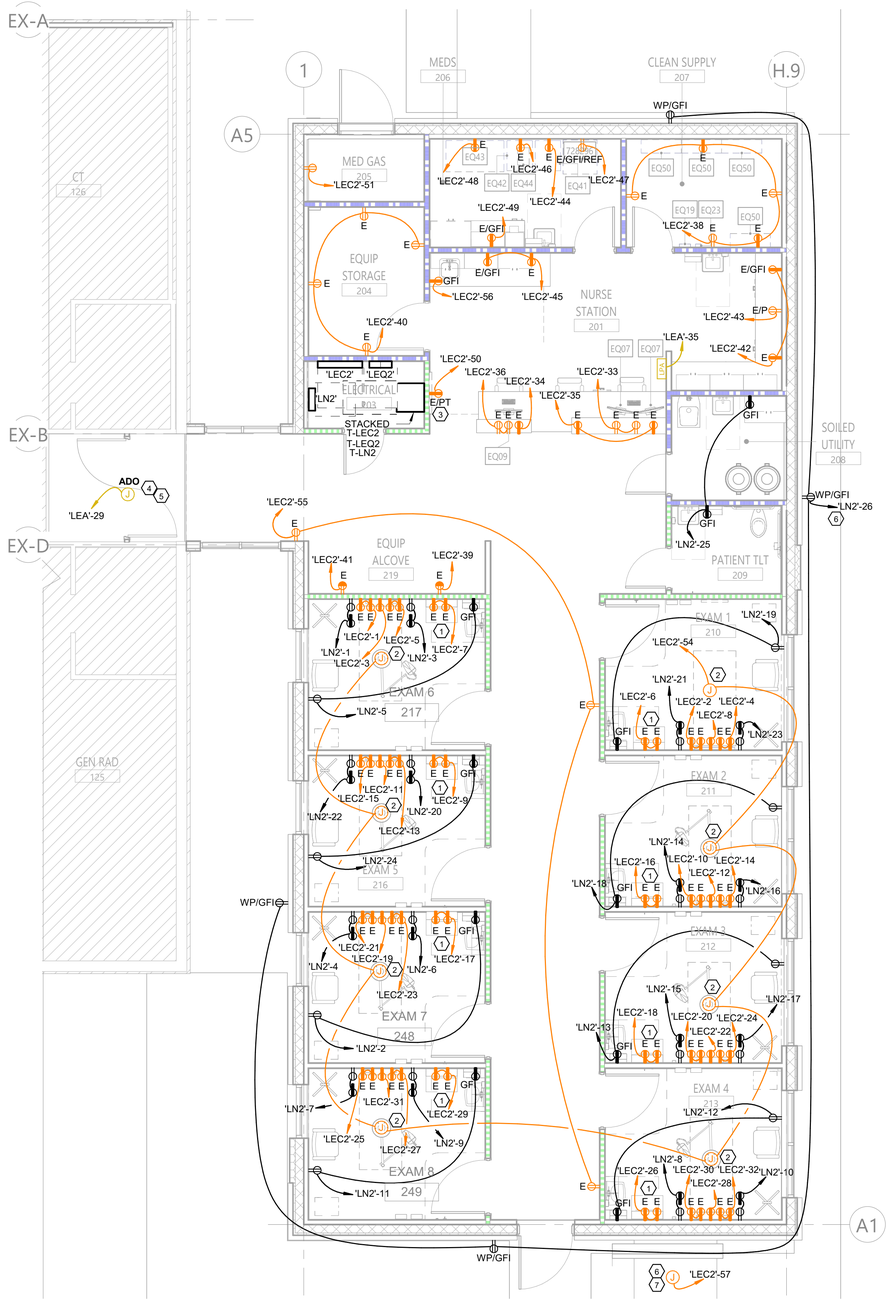


1 FLOOR PLAN - POWER - WAITING/RENO
SCALE: 3/16" = 1'-0"



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

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.

KEY NOTES:

1. RECEPTACLES TO BE MOUNTED IN PROXIMITY CABINET. COORDINATE MOUNTING HEIGHT WITH VENDOR DRAWINGS.
2. PROVIDE CONNECTION TO EXAM LIGHT AS REQUIRED.
3. RECEPTACLE FOR PATIENT TRACKER MONITOR. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.
4. PROVIDE CONNECTION TO ELECTRIC DOOR LOCK AS REQUIRED.TYPICAL.
5. PROVIDE CONNECTION TO AUTOMATIC DOOR AS REQUIRED.
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 SIGNAGE AS REQUIRED. SIGNAGE SHALL PASS THROUGH TIMECLOCK. COORDINATE EXACT LOCATION WITH ARCHITECT.
8. UTILIZE SPARE 20A/1P BREAKER IN EXISTING PANEL 'LN' SERVING THE SPACE.
9. UTILIZE SPARE 20A/1P BREAKER IN EXISTING PANEL 'LEC' SERVING THE SPACE.

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HCA Florida Gulf Coast Hospital
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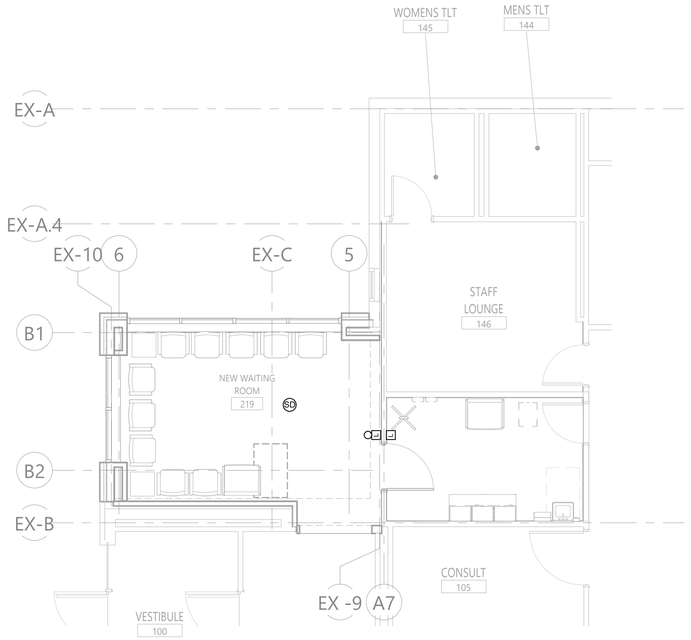
STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06/09/2025

TITLE
POWER - FLOOR PLAN

SHEET
E201

0' 2' 4' 8' 16'



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

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

GENERAL NOTES:

A. EXISTING FIRE ALARM SYSTEM IS TO BE EXPANDED TO INCLUDE NEW FIRE ALARM DEVICES.

KEY NOTES:

1. EXACT LOCATION OF FIRE ALARM ANNUNCIATOR TO BE COORDINATED WITH LOCAL AUTHORITY HAVING JURSIDICTION.
2. THIS DOOR WILL BE MONITORED BY THE FIRE ALARM SYSTEM. NOTIFICATION DEVICES WILL ANNUNCIATE IF THIS DOOR IS UNLATCHED.

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AHCA #3093000034

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TITLE
FIRE ALARM - FLOOR PLAN

SHEET
E301

0' 2' 4' 8' 16'

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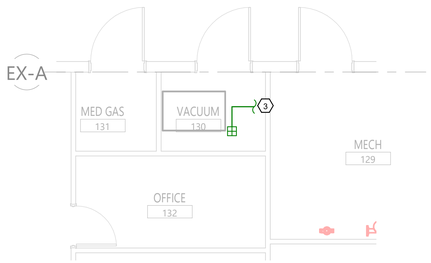
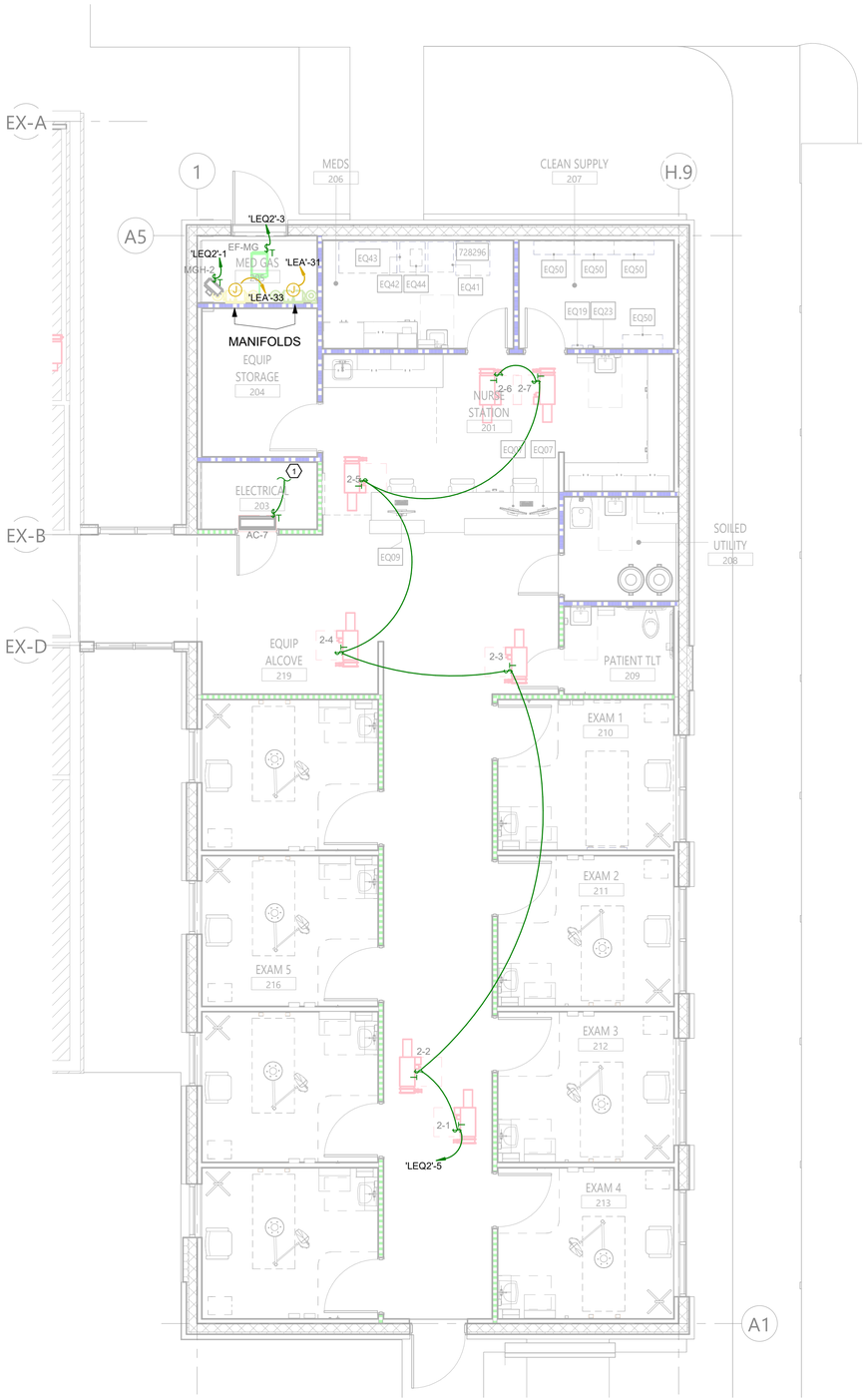
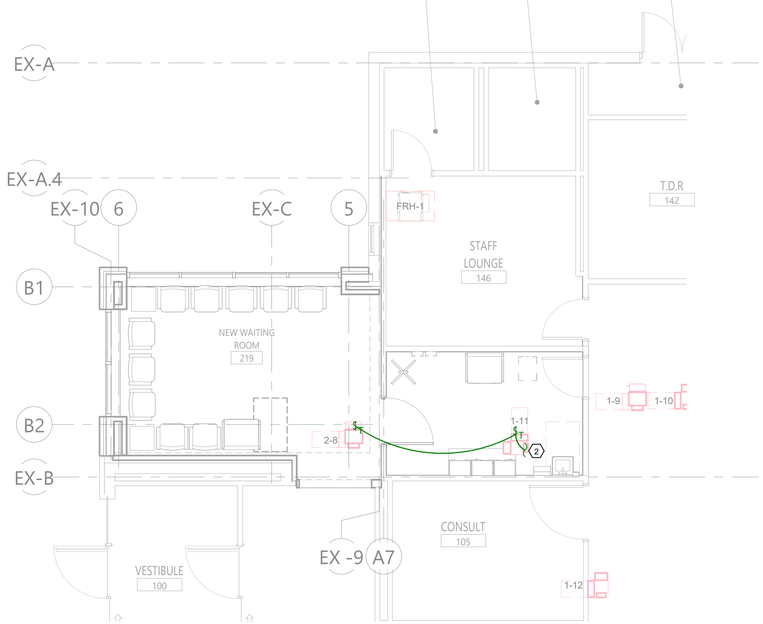


3 FLOOR PLAN - ELEC/HVAC - VACUUM
SCALE: 3/16" = 1'-0"



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



2 FLOOR PLAN - ELEC/HVAC - WAITING/RENO
SCALE: 3/16" = 1'-0"

KEY NOTES:

1. PROVIDE DISCONNECT TO INDOOR AC UNIT (AC-7). INDOOR UNIT TO BE POWERED FROM THE OUTDOOR UNIT. PROVIDE FIRE ALARM INTERFACE TO SHUT DOWN INDOOR UNIT UPON GENERAL FIRE ALARM. PROVIDE E-STOP AT INDOOR UNIT TO SHUT DOWN POWER OF OUTDOOR UNIT USING SHUNT TRIP BREAKER SERVING OUTDOOR UNIT.
2. UTILIZE SPARE 20A/1P BREAKER IN EXISTING PANEL 'LEQ' SERVING THE SPACE.
3. PROVIDE NEW 20A/3P BREAKER TO REPLACE EXISTING BREAKER FOR NEW VACUUM PUMP.

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AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE
ELEC/HVAC - FLOOR PLAN

SHEET
E401

0' 2' 4' 8' 16'

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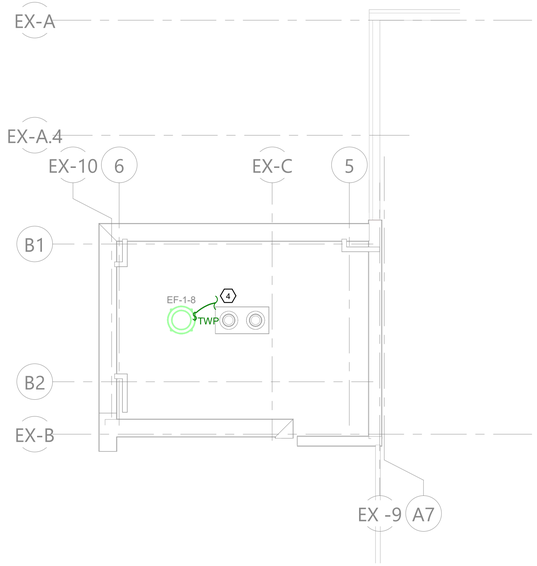
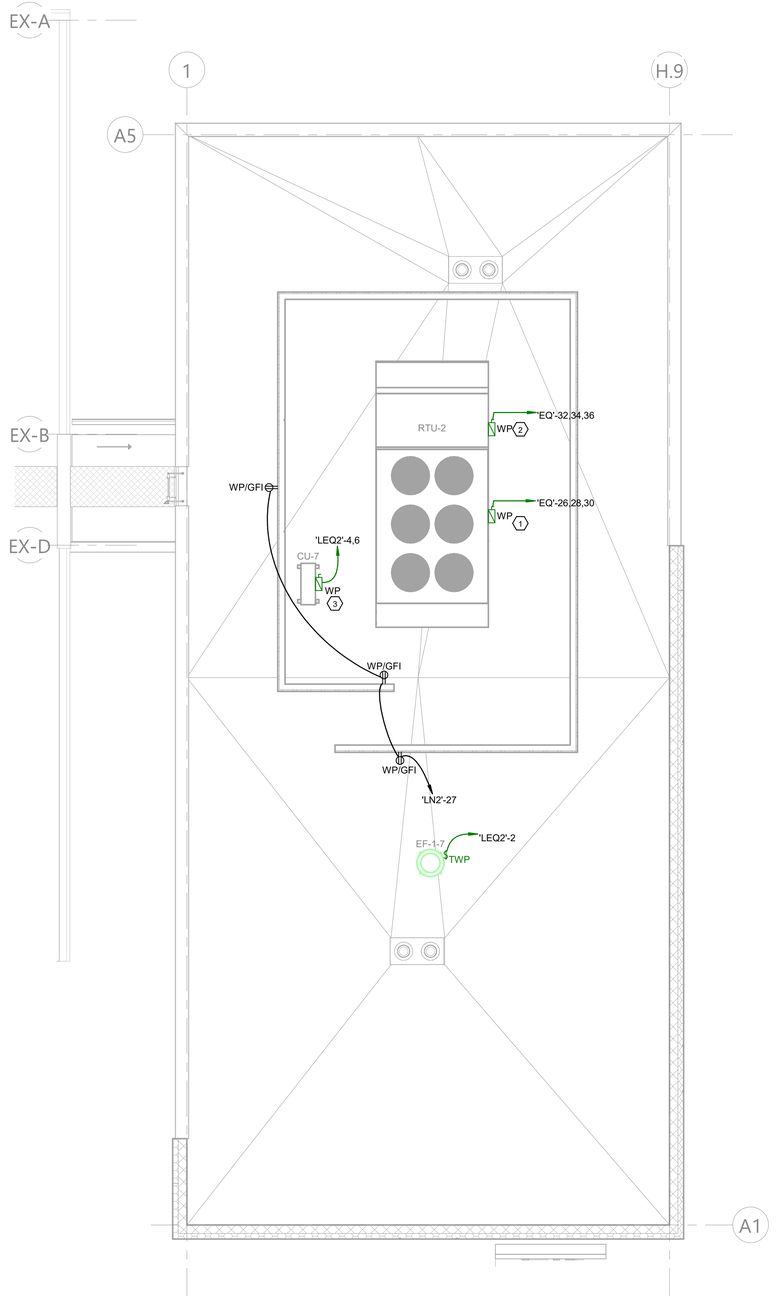


2 ROOF PLAN - ELEC/HVAC - WAITING/RENO
SCALE: 3/16" = 1'-0"



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

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PHONE 615-346-3400
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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 SUPRESSORS INSTALLED FOR EACH PAIR OF CONDUCTORS AND SHALL HAVE VISUAL INDICATION FOR PROTECTURE FAILURE TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.

KEY NOTES: ⬡

1. PROVIDE 100A/3P/NF/WP DISCONNECT. UTILIZE 4#3, 1#8G, 1-1/4"C.
2. PROVIDE 60A/3P/NF/WP DISCONNECT. UTILIZE 4#6, 1#10G, 1"C.
3. PROVIDE 30A/2P/NF/WP DISCONNECT. UTILIZE 3#8, 1#10G, 1"C.
4. UTILIZE SPARE 20A/1P BREAKER IN EXISTING PANEL 'LEQ' SERVING THE SPACE.

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE ELEC/HVAC - ROOF PLAN

SHEET E402

0' 2' 4' 8' 16'

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.

TRANSFORMER GROUNDING

KVA	GROUNDING ELECTRODE CONDUCTOR (COPPER)
15	#8
30	#6
45	#6
75	#2
112.5	#1/0

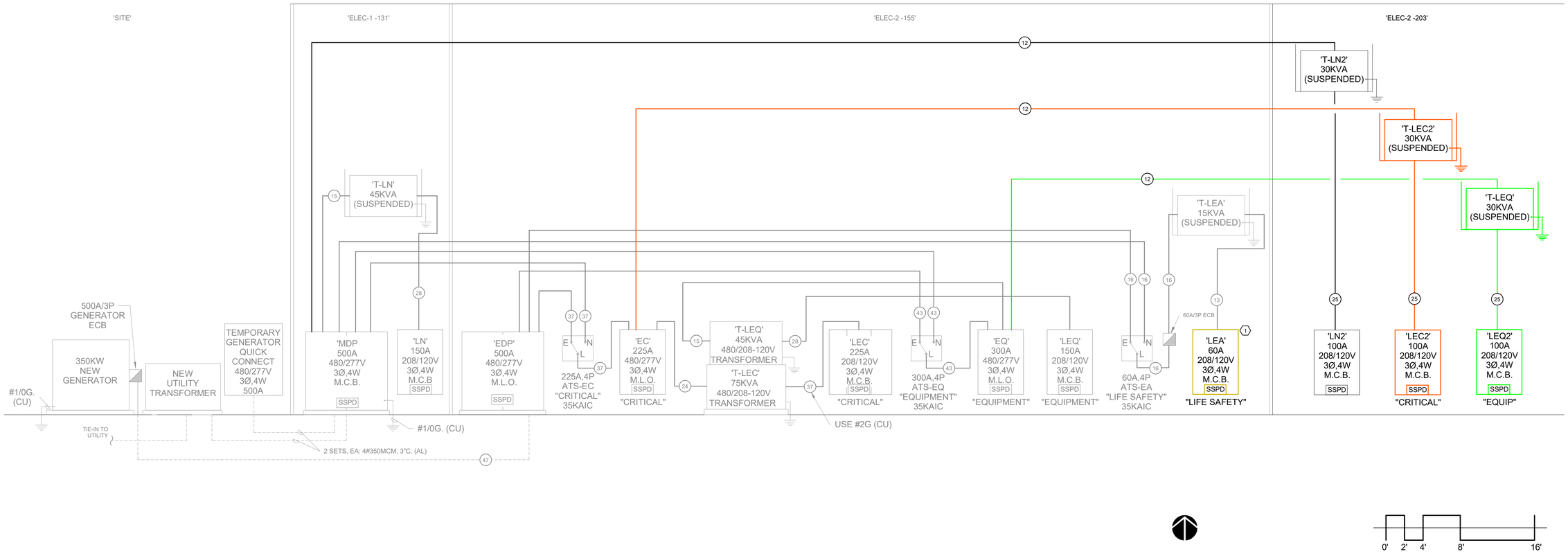
n	ALUMINUM - REFER TO WIRE DIAGRAM
n	COPPER - REFER TO WIRE DIAGRAM

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.

KEY NOTES: ⬡

1. PANEL 'LEA' TO BE REPLACED IN PLACE WITH NEW 42-POLE PANEL. NEW PANEL IS TO MATCH EXISTING PANEL IN TYPE SO THAT EXISTING BREAKERS CAN BE REUSED.



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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - RISER DIAGRAM

SHEET: E501

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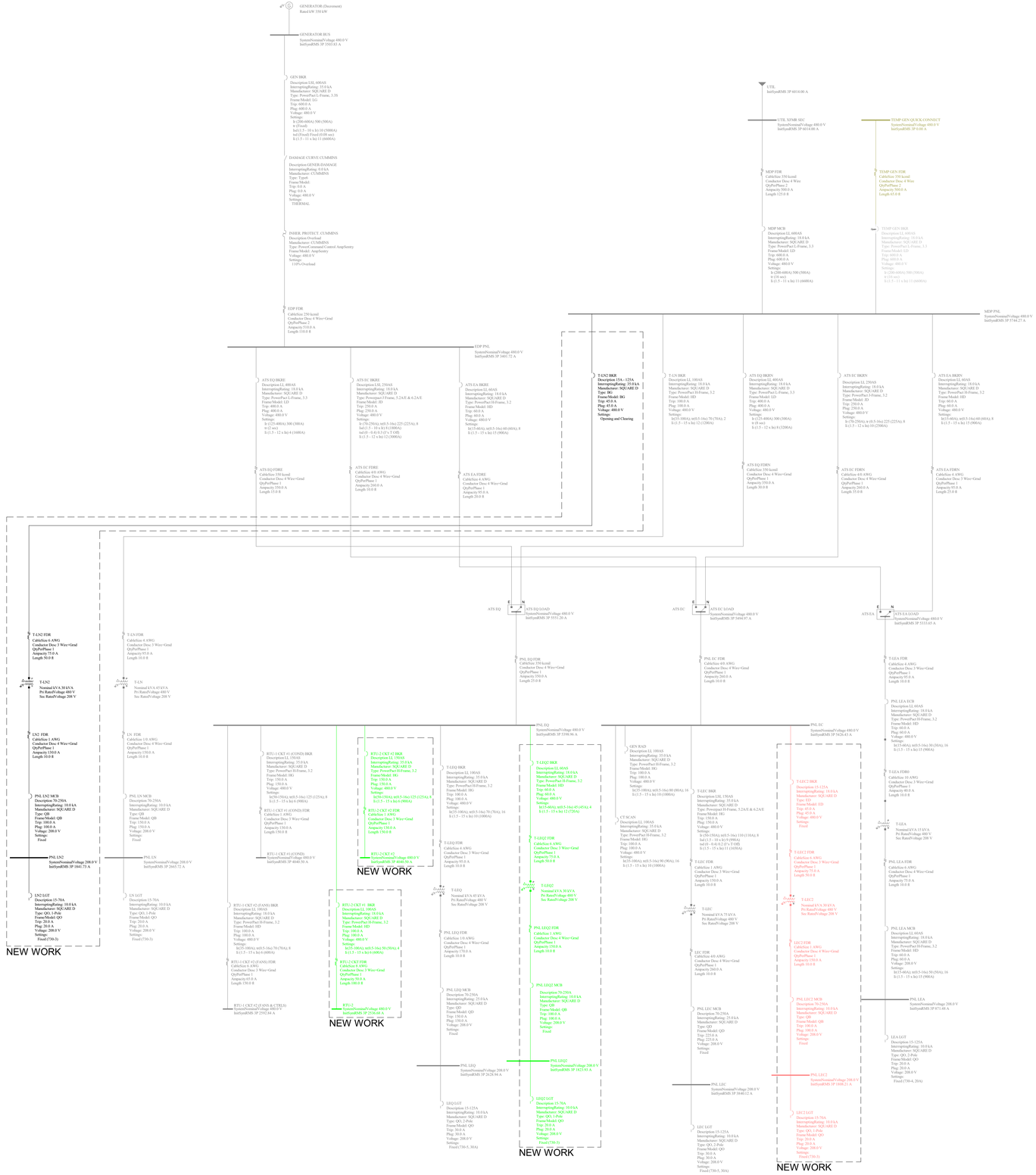

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404

HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE: ELECTRICAL - ONE LINE DIAGRAM

SHEET: E502

Panel: 'MDP'

Location: CT 126
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18 KAIC
Mains Type: M.C.B.
Mains Rating: 500 A

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	T-LN	--	20 A	3	0.00 kVA			0.00 kVA			3	225 A	--	ATS-EC	2
3	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	4
5	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	6
7	ATS-EA	--	20 A	3	0.00 kVA			0.00 kVA			3	20 A	--	ATS-EQ	8
9	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	10
11	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	12
13	T-LN2	Rece...	20 A	3	3.96 kVA			--			3	--	--	SPACE	14
15	--	--	--	--		3.42 kVA			--		--	--	--	--	16
17	--	--	--	--			2.88 kVA			--	--	--	--	--	18
19	SPACE	--	--	3	--			--			3	--	--	SPACE	20
21	--	--	--	--		--			--		--	--	--	--	22
23	--	--	--	--			--			--	--	--	--	--	24
25	SPACE	--	--	3	--			0.00 kVA			3	20 A	--	SSPD	26
27	--	--	--	--		--			0.00 kVA		--	--	--	--	28
29	--	--	--	--			--			0.00 kVA	--	--	--	--	30
				Total Load:	3.96 kVA		3.42 kVA			2.88 kVA					
				Total Amps:	15 A		13 A			10 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	10.26 kVA
				Total Est. Demand:	10.13 kVA
				Total Est. Design:	10.13 kVA
				Total Conn. Current:	12 A
				Total Est. Demand Current:	12 A
				Total Est. Design Current:	12 A

Notes:

Panel: 'EC'

Location: CT 126
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18 KAIC
Mains Type: M.L.O.
Mains Rating: 225 A

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	CT EQUIPMENT	--	90 A	3	0.00 kVA			0.00 kVA			3	60 A	--	X-RAY - HOSPITAL	2
3	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	4
5	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	6
7	T-LEC	--	110 A	3	0.00 kVA			7.32 kVA			3	20 A	Rece...	T-LEC2	8
9	--	--	--	--		0.00 kVA			5.50 kVA		--	--	--	--	10
11	--	--	--	--			0.00 kVA			6.48 kVA	--	--	--	--	12
13	SPACE	--	--	1	--			0.00 kVA			3	20 A	--	SPARE	14
15	SPACE	--	--	1		--			0.00 kVA		--	--	--	--	16
17	SPACE	--	--	1			--			0.00 kVA	--	--	--	--	18
19	SPACE	--	--	1	--			--			1	--	--	SPACE	20
21	SPACE	--	--	1		--			--		1	--	--	SPACE	22
23	SPACE	--	--	1			--			--	1	--	--	SPACE	24
25	SPACE	--	--	1	--			--			1	--	--	SPACE	26
27	SPACE	--	--	1		--			--		1	--	--	SPACE	28
29	SPACE	--	--	1			--			--	1	--	--	SPACE	30
31	SPACE	--	--	1	--			--			1	--	--	SPACE	32
33	SPACE	--	--	1		--			--		1	--	--	SPACE	34
35	SPACE	--	--	1			--			--	1	--	--	SPACE	36
37	SPACE	--	--	1	--			0.00 kVA			3	30 A	--	SSPD	38
39	SPACE	--	--	1		--			0.00 kVA		--	--	--	--	40
41	SPACE	--	--	1			--			0.00 kVA	--	--	--	--	42
				Total Load:	7.32 kVA		5.50 kVA			6.48 kVA					
				Total Amps:	27 A		20 A			24 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1546 VA	100.00%	1546 VA	**Total Conn. Load:**	19.29 kVA
Receptacle- Hospital	1620 VA	40.00%	648 VA	**Total Est. Demand:**	15.22 kVA
				Total Est. Design:	15.22 kVA
				Total Conn. Current:	23 A
				Total Est. Demand Current:	18 A
				Total Est. Design Current:	18 A

Notes:

Panel: 'EQ'

Location: CT 126
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18 KAIC
Mains Type: M.L.O.
Mains Rating: 300 A

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	EXISTING LOAD	--	60 A	3	0.00 kVA			0.00 kVA			3	20 A	--	EXISTING LOAD	2
3	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	4
5	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	6
7	EXISTING LOAD	--	70 A	3	0.00 kVA			0.00 kVA			3	15 A	--	EXISTING LOAD	8
9	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	10
11	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	12
13	EXISTING LOAD	--	15 A	3	0.00 kVA			0.00 kVA			3	125 A	--	EXISTING LOAD	14
15	--	--	--	--		0.00 kVA			0.00 kVA		--	--	--	--	16
17	--	--	--	--			0.00 kVA			0.00 kVA	--	--	--	--	18
19	EXISTING LOAD	--	25 A	3	0.00 kVA			0.00 kVA			1	30 A	--	EXISTING LOAD	20
21	--	--	--	--		0.00 kVA			0.00 kVA		1	20 A	--	SPARE	22
23	--	--	--	--			0.00 kVA			0.00 kVA	1	20 A	--	SPARE	24
25	T-LEQ2	Motor...	20 A	3	0.18 kVA			14.69 kVA			3	80 A	Equip...	RTU-2 CIRCUIT 1	26
27	--	--	--	--		2.28 kVA			14.69 kVA		--	--	--	--	28
29	--	--	--	--			1.58 kVA			14.69 kVA	--	--	--	--	30
31	SPACE	--	--	3	--			6.65 kVA			3	50 A	Equip...	RTU-2 CIRCUIT 2	32
33	--	--	--	--		--			6.65 kVA		--	--	--	--	34
35	--	--	--	--			--			6.65 kVA	--	--	--	--	36
37	SPACE	--	--	3	--			0.00 kVA			3	30 A	--	SSPD	38
39	--	--	--	--		--			0.00 kVA		--	--	--	--	40
41	--	--			--			--		0.00 kVA	--	--	--	--	42
				Total Load:	21.52 kVA		23.62 kVA			22.92 kVA					
				Total Amps:	78 A		86 A			84 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	3857 VA	100.00%	3857 VA	**Total Conn. Load:**	68.05 kVA
Receptacle- Hospital	180 VA	40.00%	72 VA	**Total Est. Demand:**	61.54 kVA
				Total Est. Design:	61.54 kVA
				Total Conn. Current:	82 A
				Total Est. Demand Current:	74 A
				Total Est. Design Current:	74 A

Notes:

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449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE
ELECTRICAL - PANEL SCHEDULES

SHEET
E503

Panel: 'LEA'

Location: CT 126 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:** M.C.B.
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 60 A
Enclosure: Type 1

CKT	Circuit Description	Load Class.	Trip	Poles	A	B	C	Poles	Trip	Load Class.	Circuit Description	CKT
1	EXISTING LOAD	--	20 A	1	0.00 kVA			1	20 A	--	EXISTING LOAD	2
3	EXISTING LOAD	--	20 A	1		0.00 kVA		1	20 A	--	EXISTING LOAD	4
5	EXISTING LOAD	--	20 A	1			0.00 kVA	1	20 A	--	EXISTING LOAD	6
7	EXISTING LOAD	--	20 A	1	0.00 kVA			1	20 A	--	EXISTING LOAD	8
9	EXISTING LOAD	--	20 A	1		0.00 kVA		1	20 A	--	EXISTING LOAD	10
11	EXISTING LOAD	--	20 A	1			0.00 kVA	1	20 A	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20 A	1	0.00 kVA			1	20 A	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20 A	1		0.00 kVA		2	20 A	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20 A	1			0.00 kVA	--	--	--		18
19	EXISTING LOAD	--	20 A	1	0.00 kVA			1	20 A	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20 A	1		0.00 kVA		1	20 A	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 A	1			0.00 kVA	1	20 A	--	EXISTING LOAD	24
25	LTG - CORIDOR	Lighti...	20 A	1	0.14 kVA			2	20 A	Lighti...	SITE LIGHTING	26
27	LTG - WALLPACKS	Lighti...	20 A	1		0.37 kVA		--	--	--		28
29	ADO	Rece...	20 A	1			0.18 kVA	1	20 A	--	SPARE	30
31	MANIFOLD CONTROLS	Rece...	20 A	1	0.18 kVA			1	20 A	--	SPARE	32
33	MANIFOLD CONTROLS	Rece...	20 A	1		0.18 kVA		1	20 A	--	SPARE	34
35	LPA	Other	20 A	1			0.50 kVA	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0.00 kVA			3	30 A	--	SPD	38
39	SPARE	--	20 A	1		0.00 kVA		--	--	--	--	40
41	SPACE	--	--	1			--	--	--	--	--	42
			Total Load:		0.73 kVA		0.96 kVA					
			Total Amps:		6 A		8 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1332 VA	100.00%	1332 VA	**Total Conn. Load:**	2.37 kVA
Other	500 VA	100.00%	500 VA	**Total Est. Demand:**	2.05 kVA
Receptacle- Hospital	540 VA	40.00%	216 VA	**Total Est. Design:**	2.05 kVA
				Total Conn. Current:	7 A
				Total Est. Demand Current:	6 A
				Total Est. Design Current:	6 A

Notes:

Panel: 'LEQ2'

Location: ELECTRICAL 203 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KAIC
Supply From: T-LEQ2 | **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	Poles	Trip	Load Class.	Circuit Description	CKT
1	MGH-2	Motor	20 A	1	0.00 kVA			1	20 A	Motor	EF-1-7	2
3	EF-5	Motor	20 A	1		0.70 kVA		2	20 A	Motor	CU-3	4
5	VAVS 2-1, 2-7	Motor	20 A	1			0.00 kVA	--	--	--	--	6
7	IRRIGATION CONTROLLER	Rece...	20 A	1	0.18 kVA			1	20 A	--	SPARE	8
9	SPARE	--	20 A	1		0.00 kVA		1	20 A	--	SPARE	10
11	SPARE	--	20 A	1			0.00 kVA	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0.00 kVA			1	20 A	--	SPARE	14
15	SPARE	--	20 A	1		0.00 kVA		1	20 A	--	SPARE	16
17	SPACE	--	--	1			--	1	--	--	SPACE	18
19	SPACE	--	--	1	--			1	--	--	SPACE	20
21	SPACE	--	--	1		--		1	--	--	SPACE	22
23	SPACE	--	--	1			--	1	--	--	SPACE	24
25	SPACE	--	--	1	--			1	--	--	SPACE	26
27	SPACE	--	--	1		--		1	--	--	SPACE	28
29	SPACE	--	--	1			--	1	--	--	SPACE	30
31	SPACE	--	--	1	--			1	--	--	SPACE	32
33	SPACE	--	--	1		--		1	--	--	SPACE	34
35	SPACE	--	--	1			--	1	--	--	SPACE	36
37	SPACE	--	--	1	--			3	30 A	--	SPD	38
39	SPACE	--	--	1		--		--	--	--	--	40
41	SPACE	--	--	1			0.00 kVA	--	--	--	--	42
			Total Load:		0.18 kVA		2.28 kVA					
			Total Amps:		2 A		21 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	3857 VA	100.00%	3857 VA	**Total Conn. Load:**	4.04 kVA
Receptacle- Hospital	180 VA	40.00%	72 VA	**Total Est. Demand:**	3.93 kVA
				Total Est. Design:	3.93 kVA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	11 A
				Total Est. Design Current:	11 A

Notes:

Panel: 'LN2'

Location: ELECTRICAL 203 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KAIC
Supply From: T-LN2 | **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	Poles	Trip	Load Class.	Circuit Description	CKT
1	REC - EXAM RM 6	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 7 (TV)	2
3	REC - EXAM RM 6	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 7	4
5	REC - EXAM RM 6 (TV)	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 7	6
7	REC - EXAM RM 8	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 4	8
9	REC - EXAM RM 8	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 4	10
11	REC - EXAM RM 8 (TV)	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 4 (TV)	12
13	REC - EXAM RM 3 (TV)	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 2	14
15	REC - EXAM RM 3	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 2	16
17	REC - EXAM RM 3	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 2 (TV)	18
19	REC - EXAM RM 1 (TV)	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 5	20
21	REC - EXAM RM 1	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 5	22
23	REC - EXAM RM 1	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 5 (TV)	24
25	REC - SOILED UTILITY, PAT, TLT	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXTERNAL	26
27	REC - ROOF	Rece...	20 A	1		0.54 kVA		1	20 A	--	SPARE	28
29	SPARE	--	20 A	1			0.00 kVA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0.00 kVA			1	20 A	--	SPARE	32
33	SPARE	--	20 A	1		0.00 kVA		1	20 A	--	SPARE	34
35	SPACE	--	--	1			--	1	--	--	SPACE	36
37	SPACE	--	--	1	--			3	30 A	--	SPARE	38
39	SPACE	--	--	1		--		--	--	--	--	40
41	SPACE	--	--	1			--	--	--	--	--	42
			Total Load:		3.96 kVA		3.42 kVA					
			Total Amps:		34 A		29 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	10.26 kVA
				Total Est. Demand:	10.13 kVA
				Total Est. Design:	10.13 kVA
				Total Conn. Current:	28 A
				Total Est. Demand Current:	28 A
				Total Est. Design Current:	28 A

Notes:

Panel: 'LEC2'

Location: ELECTRICAL 203 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KAIC
Supply From: T-LEC2 | **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	Poles	Trip	Load Class.	Circuit Description	CKT
1	REC - EXAM RM 6	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 1	2
3	REC - EXAM RM 6	Rece...	20 A	1		0.18 kVA		1	20 A	Rece...	REC - EXAM RM 1	4
5	REC - EXAM RM 6	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 1	6
7	REC - EXAM RM 6	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 1	8
9	REC - EXAM RM 5	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 2	10
11	REC - EXAM RM 5	Rece...	20 A	1			0.18 kVA	1	20 A	Rece...	REC - EXAM RM 2	12
13	REC - EXAM RM 5	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 2	14
15	REC - EXAM RM 5	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 2	16
17	REC - EXAM RM 7	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 3	18
19	REC - EXAM RM 7	Rece...	20 A	1	0.18 kVA			1	20 A	Rece...	REC - EXAM RM 3	20
21	REC - EXAM RM 7	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 3	22
23	REC - EXAM RM 7	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 3	24
25	REC - EXAM RM 8	Rece...	20 A	1	0.36 kVA			1	20 A	Rece...	REC - EXAM RM 4	26
27	REC - EXAM RM 8	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - EXAM RM 4	28
29	REC - EXAM RM 8	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - EXAM RM 4	30
31	REC - EXAM RM 8	Rece...	20 A	1	0.18 kVA			1	20 A	Rece...	REC - EXAM RM 4	32
33	REC - NURSE STATION 201	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - NURSE STATION 201	34
35	REC - NURSE STATION 201	Rece...	20 A	1			0.36 kVA	1	20 A	Rece...	REC - NURSE STATION 201	36
37	LTG - EXAM ROOMS	Lighti...	20 A	1	1.26 kVA			1	20 A	Rece...	REC - CLEAN SUPP 207	38
39	REC - EQP ALCOVE 218	Rece...	20 A	1		0.18 kVA		1	20 A	Rece...	REC - EQP STORAGE 204	40
41	REC - EQP ALCOVE 218	Rece...	20 A	1			0.18 kVA	1	20 A	Rece...	REC - NURSE STATION 201	42
43	REC - NURSE STATION 201 (P)	Rece...	20 A	1	0.18 kVA			1	20 A	Rece...	REC - MEDS 206	44
45	REC - NURSE STATION 201	Rece...	20 A	1		0.36 kVA		1	20 A	Rece...	REC - MEDS 206	46
47	REC - MEDS 206 (REF)	Rece...	20 A	1			0.18 kVA	1	20 A	Rece...	REC - MEDS 206	48
49	REC - MEDS 206	Rece...	20 A	1	0.18 kVA			1	20 A	Rece...	REC - NURSE STATION 201 (PT)	50
51	REC - MED GAS 205	Rece...	20 A	1		0.18 kVA		1	20 A	Lighti...	LTG - EQUIP	52
53	LTG - CORRIDOR	Lighti...	20 A	1			0.19 kVA	1	20 A	Rece...	LTG - EXAM LIGHT	54
55	REC - CORRIDOR	Rece...	20 A	1	0.54 kVA			1	20 A	Rece...	REC - NURSE STATION 201	56
57	SITE SIGNAGE	Rece...	20 A	1		0.18 kVA		1	20 A	--	SPARE	58
59	SPARE	--	20 A	1			0.00 kVA	1	20 A	--	SPARE	60
61	SPARE	--	20 A	1	0.00 kVA			1	20 A	--	SPARE	62
63	SPARE	--	20 A	1		0.00 kVA		1	20 A	--	SPARE	64
65	SPARE	--	20 A	1			0.00 kVA	1	20 A	--	SPARE	66
67	SPARE	--	20 A	1	0.00 kVA			1	20 A	--	SPARE	68
69	SPARE	--	20 A	1		0.00 kVA		1	20 A	--	SPARE	70
71	SPARE	--	20 A	1			0.00 kVA	1	--	--	SPACE	72
73	SPACE	--	--	1	--			1	--	--	SPACE	74
75	SPACE	--	--	1		--		1	--	--	SPACE	76
77	SPACE	--	--	1			--	1	--	--	SPACE	78
79	SPACE	--	--	1	--			3	30 A	--	SPD	80
81	SPACE	--	--	1		--		--	--	--	--	82
83	SPACE	--	--	1			--	--	--	--	--	84
			Total Load:		7.32 kVA		5.50 kVA					
			Total Amps:		62 A		46 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1546 VA	100.00%	1546 VA	**Total Conn. Load:**	19.29 kVA
Receptacle- Hospital	1620 VA	40.00%	648 VA	**Total Est. Demand:**	15.22 kVA
				Total Est. Design:	15.22 kVA
				Total Conn. Current:	54 A
				Total Est. Demand Current:	42 A
				Total Est. Design Current:	42 A

Notes:

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PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - PANEL SCHEDULES

SHEET: E504

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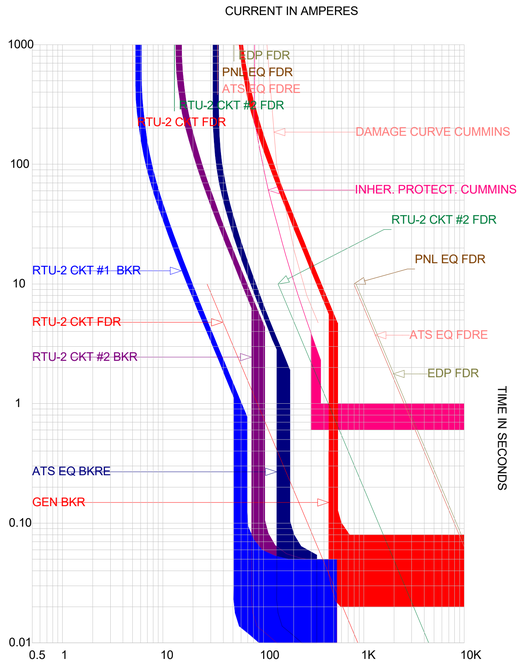

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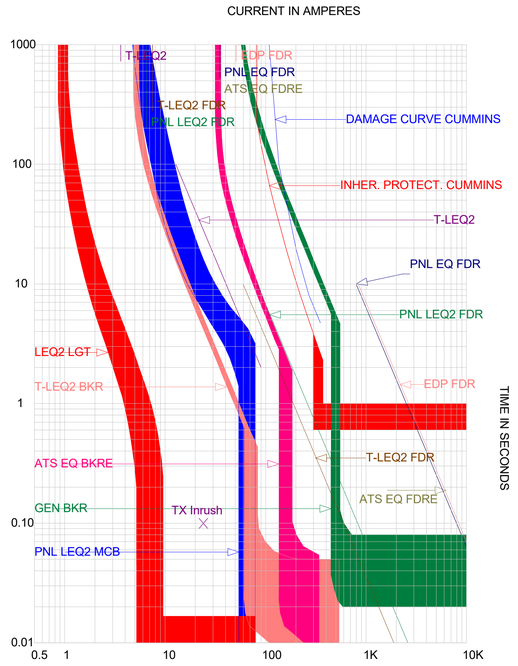

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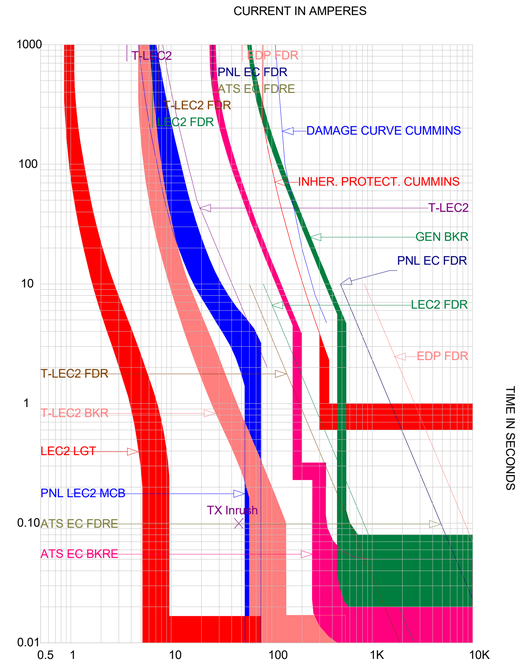

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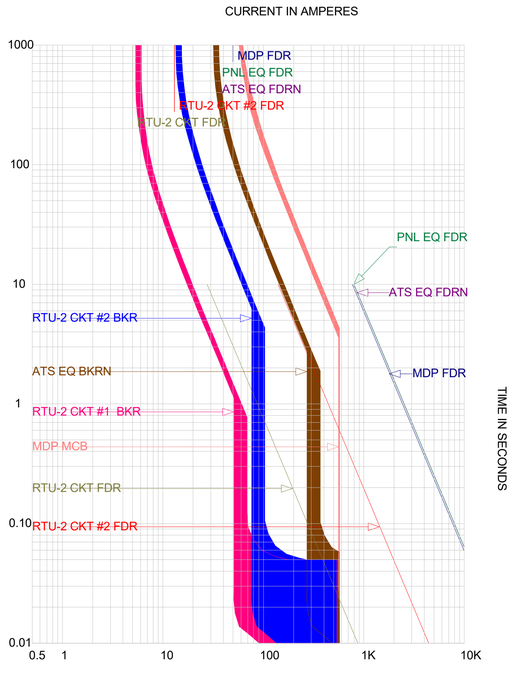

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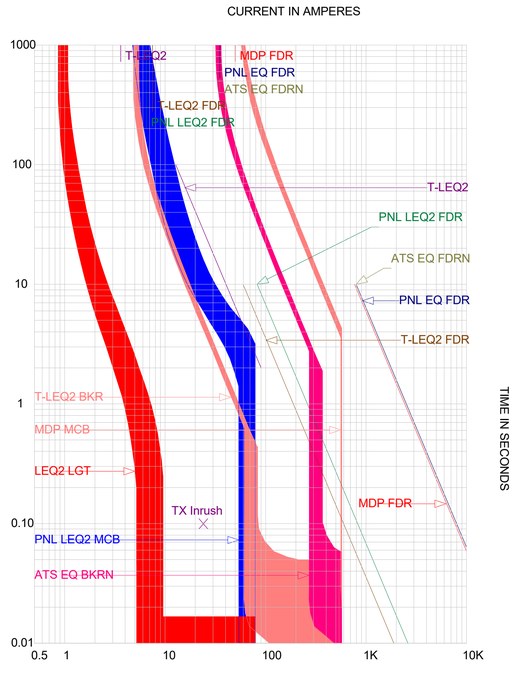

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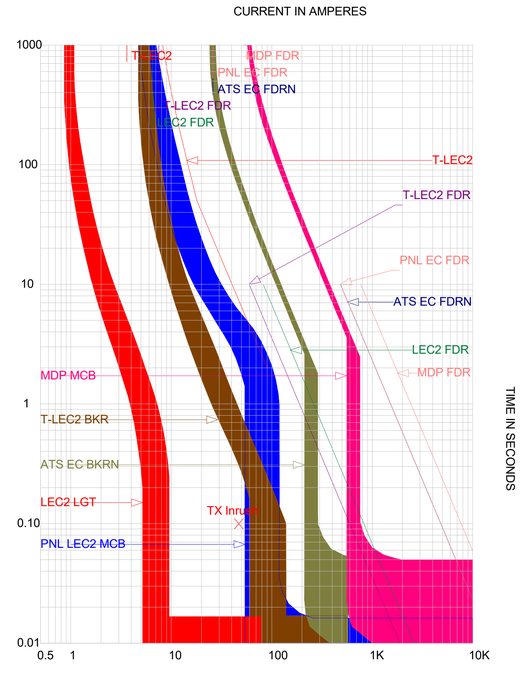

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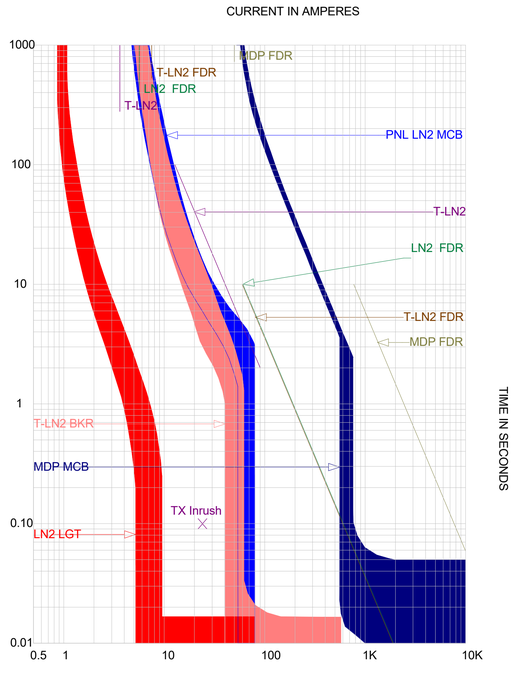

UTIL-LN2.tcc Ref. Voltage: 480V Current in Amps x 10

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06/09/2025

TITLE
ELECTRICAL - BREAKER CURVES

SHEET
E505

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NORMAL POWER
CONDITION

Jun 12, 2025
17:26:06

ATS EC 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 EC-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
PNL EC 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EC 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 EC-N ATS EC LOAD ATS EC 480. 5495.0/ -76.
5495.0/ 164. 5495.0/ 44.
ATS EC LOAD PNL EC PNL EC FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

ATS EQ LOAD VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5551.2 / -77. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.709 +j 21.150 (PU)
THEVENIN IMPEDANCE X/R RATIO: 4.491

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
6784.5 5571.8 5552.5 5551.2 5551.2

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---
5551.2 / -77.4 5551.2 / 162.6 5551.2 / 42.6

ATS EQ 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 EQ-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
PNL EQ 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EQ 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 EQ-N ATS EQ LOAD ATS EQ 480. 5551.2/ -77.
5551.2/ 163. 5551.2/ 43.
ATS EQ LOAD PNL EQ PNL EQ FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

EDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3401.7 / -85. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.006 +j 35.231 (PU)
THEVENIN IMPEDANCE X/R RATIO: 11.721

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
5011.2 3779.3 3535.5 3417.7 3402.4

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---
3401.7 / -85.1 3401.7 / 154.9 3401.7 / 34.9

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 0.0453 / -49. 0.0453 /-169. 0.0453 / 71.
ATS EA-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.
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. 3401.7/ -85.
3401.7/ 155. 3401.7/ 35.
EDP PNL ATS EA-E ATS EA 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.

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NORMAL POWER
CONDITION

GENERATOR BUS VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3503.8 / -87. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 1.714 +j 34.286 (PU)
THEVENIN IMPEDANCE X/R RATIO: 20.000

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
5496.4 4389.2 4000.6 3652.1 3526.7

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---
3503.8 / -87.1 3503.8 / 152.9 3503.8 / 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. 3503.8/ -87.
3503.8/ 153. 3503.8/ 33.
GENERATOR BUS EDP PNL EDP FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

MDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5744.3 / -78. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.217 +j 20.510 (PU)
THEVENIN IMPEDANCE X/R RATIO: 4.864

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
7150.5 5776.9 5746.7 5744.3 5744.3

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---
5744.3 / -78.4 5744.3 / 161.6 5744.3 / 41.6

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 0.0888 / -57. 0.0888 /-177. 0.0888 / 63.
ATS EQ-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EC-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EA-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LN PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LN PRI0 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. 5744.3/ -78.
5744.3/ 162. 5744.3/ 42.
MDP PNL ATS EQ-N ATS EQ FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL ATS EC-N ATS EC FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL ATS EA-N ATS EA FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL T-LN PRI T-LN FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL T-LN PRI0 T-LN2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

PNL EC VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5426.4 / -76. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 5.467 +j 21.481 (PU)
THEVENIN IMPEDANCE X/R RATIO: 3.929

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
6430.2 5435.5 5426.8 5426.4 5426.4

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---
5426.4 / -75.7 5426.4 / 164.3 5426.4 / 44.3

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 0.0159 / -39. 0.0159 /-158. 0.0159 / 82.
T-LEC PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LEC PRI0 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. 5426.4/ -76.
5426.4/ 164. 5426.4/ 44.
PNL EC T-LEC PRI T-LEC FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EC T-LEC PRI0 T-LEC2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

PNL EQ VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5399.0 / -77. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 5.119 +j 21.682 (PU)
THEVENIN IMPEDANCE X/R RATIO: 4.236

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
6509.5 5413.2 5399.7 5399.0 5399.0

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---
5399.0 / -76.7 5399.0 / 163.3 5399.0 / 43.3

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 0.0302 / -24. 0.0302 /-144. 0.0302 / 96.
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.
RTU-1 CKT #2 (480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LEQ PRI0 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-2 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-2 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. 5399.0/ -77.
5399.0/ 163. 5399.0/ 43.
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 RTU-1 CKT #2 (RTU-1 CKT #2 (480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ T-LEQ PRI0 T-LEQ2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ RTU-2 RTU-2 CKT FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

PNL EQ ================ FIRST BRANCH SYSTEM BRANCH FLOWS (AMPS)
================
PNL EQ RTU-2 CKT #2 RTU-2 CKT #2 F 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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NORMAL POWER
CONDITION

PNL LEA VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 871.5 / -95. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 133.589 +j 289.138 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.164

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
918.0 871.5 871.5 871.5 871.5

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---
871.5 / -95.2 871.5 / 144.8 871.5 / 24.8

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 0.0373 / -88. 0.0373 / 152. 0.0373 / 32.
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. 871.5/ -95.
871.5/ 145. 871.5/ 25.

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NORMAL POWER
CONDITION

PNL LEC VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3840.1 / -91. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 35.346 +j 63.051 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.784

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
3951.9 3840.1 3840.1 3840.1 3840.1

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---
3840.1 / -90.7 3840.1 / 149.3 3840.1 / 29.3

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 0.0259 / -53. 0.0259 /-173. 0.0259 / 67.
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. 3840.1/ -91.
3840.1/ 149. 3840.1/ 29.

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NORMAL POWER
CONDITION

PNL LEC2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1808.2 / -84. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 89.496 +j 124.718 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.394

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1828.0 1808.2 1808.2 1808.2 1808.2

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---
1808.2 / -84.3 1808.2 / 155.7 1808.2 / 35.7

PNL LEC2 ==== 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 SEC0 208.0 0.0256 / -65. 0.0256 / 175. 0.0256 / 55.
PNL LEC2 ================ 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 SEC0 PNL LEC2 LEC2 FDR 208. 1808.2/ -84.
1808.2/ 156. 1808.2/ 36.

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NORMAL POWER
CONDITION

PNL LEQ VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2628.9 / -92. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 48.982 +j 93.534 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.910

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2725.1 2628.9 2628.9 2628.9 2628.9

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---
2628.9 / -92.4 2628.9 / 147.6 2628.9 / 27.6

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 0.0304 / -69. 0.0304 / 171. 0.0304 / 51.
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. 2628.9/ -92.
2628.9/ 148. 2628.9/ 28.

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NORMAL POWER
CONDITION

PNL LEQ2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1823.9 / -89. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 79.152 +j 129.980 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.642

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1863.3 1823.9 1823.9 1823.9 1823.9

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---
1823.9 / -88.7 1823.9 / 151.3 1823.9 / 31.3

PNL LEQ2 ==== 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 SEC0 208.0 0.0258 / -69. 0.0258 / 171. 0.0258 / 51.
PNL LEQ2 ================ 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 SEC0 PNL LEQ2 LEQ2 FDR 208. 1823.9/ -89.
1823.9/ 151. 1823.9/ 31.

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NORMAL POWER
CONDITION

PNL LN VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2665.7 / -93. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 48.080 +j 92.362 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.921

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2765.1 2665.7 2665.7 2665.7 2665.7

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---
2665.7 / -92.5 2665.7 / 147.5 2665.7 / 27.5

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 0.0308 / -70. 0.0308 / 170. 0.0308 / 50.
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. 2665.7/ -93.
2665.7/ 147. 2665.7/ 27.

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NORMAL POWER
CONDITION

PNL LN2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1841.7 / -89. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 78.249 +j 128.808 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.646

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1881.8 1841.7 1841.7 1841.7 1841.7

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---
1841.7 / -88.7 1841.7 / 151.3 1841.7 / 31.3

PNL LN2 ==== 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 SEC0 208.0 0.0260 / -69. 0.0260 / 171. 0.0260 / 51.
PNL LN2 ================ 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 SEC0 PNL LN2 LN2 FDR 208. 1841.7/ -89.
1841.7/ 151. 1841.7/ 31.

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NORMAL POWER
CONDITION

RTU-1 CKT #1 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2536.7 / -32. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 15.536 +j 25.393 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.635

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4126.1 4040.5 4040.5 4040.5 4040.5

INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2536.7 / -31.8 2536.7 /-151.8 2536.7 / 88.2

RTU-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 0.7455 / -26. 0.7455 /-146. 0.7455 / 94.
RTU-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-2 RTU-2 CKT FDR 480. 2536.7/ -32.
2536.7/-152. 2536.7/ 88.

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NORMAL POWER
CONDITION

RTU-2 CKT #2 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2592.8 / -34. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 38.322 +j 26.142 (PU)
THEVENIN IMPEDANCE X/R RATIO: 0.682

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2593.1 2592.8 2592.8 2592.8 2592.8

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---
2592.8 / -34.3 2592.8 /-154.3 2592.8 / 85.7

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 0.7222 / -27. 0.7222 /-147. 0.7222 / 93.
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. 2592.8/ -34.
2592.8/-154. 2592.8/ 86.

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NORMAL POWER
CONDITION

RTU-2 VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2536.7 / -32. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 40.319 +j 24.955 (PU)
THEVENIN IMPEDANCE X/R RATIO: 0.619

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2536.8 2536.7 2536.7 2536.7 2536.7

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---
2536.7 / -31.8 2536.7 /-151.8 2536.7 / 88.2

RTU-2 CKT #2 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 4040.5 / -59. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 15.536 +j 25.393 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.635

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4126.1 4040.5 4040.5 4040.5 4040.5

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---
4040.5 / -58.5 4040.5 /-178.5 4040.5 / 61.5

RTU-2 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 0.3715 / -39. 0.3715 /-159. 0.3715 / 81.
RTU-2 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-2 CKT #2 RTU-2 CKT #2 F 480. 4040.5/ -59.
4040.5/-179. 4040.5/ 61.

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NORMAL POWER
CONDITION

RTU-2 CKT #2 VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 4040.5 / -59. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 15.536 +j 25.393 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.635

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4126.1 4040.5

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EMERGENCY POWER
CONDITION

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ATS EC 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 EC-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
PNL EC 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EC 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 EC-E ATS EC LOAD ATS EC 480. 3378.8/ -85.
3378.8/ 155. 3378.8/ 34.
ATS EC LOAD PNL EC PNL EC FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

ATS EQ LOAD VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3369.3 / -85. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.252 +j 35.551 (PU)
THEVENIN IMPEDANCE X/R RATIO: 10.932

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4912.4 3692.0 3474.8 3380.0 3369.6

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---
3369.3 / -84.8 3369.3 / 155.2 3389.3 / 35.2

ATS EQ 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 EQ-E 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
PNL EQ 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EQ 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 EQ-E ATS EQ LOAD ATS EQ 480. 3369.3/ -85.
3369.3/ 155. 3369.3/ 35.
ATS EQ LOAD PNL EQ PNL EQ FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

EDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3401.7 / -85. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.006 +j 35.231 (PU)
THEVENIN IMPEDANCE X/R RATIO: 11.721

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
5011.2 3779.3 3535.5 3417.7 3402.4

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---
3401.7 / -85.1 3401.7 / 154.9 3401.7 / 34.9

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 0.0453 / -49. 0.0453 /-169. 0.0453 / 71.
ATS EA-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.
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. 3401.7/ -85.
3401.7/ 155. 3401.7/ 35.
EDP PNL ATS EA-E ATS EA 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.

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EMERGENCY POWER
CONDITION

GENERATOR BUS VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3503.8 / -87. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 1.714 +j 34.286 (PU)
THEVENIN IMPEDANCE X/R RATIO: 20.000

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
5496.4 4389.2 4000.6 3652.1 3526.7

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---
3503.8 / -87.1 3503.8 / 152.9 3503.8 / 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. 3503.8/ -87.
3503.8/ 153. 3503.8/ 33.
GENERATOR BUS EDP PNL EDP FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

MDP PNL VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 5744.3 / -78. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 4.217 +j 20.510 (PU)
THEVENIN IMPEDANCE X/R RATIO: 4.864

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
7150.5 5776.9 5746.7 5744.3 5744.3

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---
5744.3 / -78.4 5744.3 / 161.6 5744.3 / 41.6

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 0.0888 / -57. 0.0888 /-177. 0.0888 / 63.
ATS EQ-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EC-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
ATS EA-N 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LN PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LN PRI0 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. 5744.3/ -78.
5744.3/ 162. 5744.3/ 42.
MDP PNL ATS EQ-N ATS EQ FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL ATS EC-N ATS EC FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL ATS EA-N ATS EA FDRN 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL T-LN PRI T-LN FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
MDP PNL T-LN PRI0 T-LN2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

PNL EC VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3356.1 / -84. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.561 +j 35.662 (PU)
THEVENIN IMPEDANCE X/R RATIO: 10.014

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4826.1 3618.6 3433.0 3362.4 3356.2

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---
3356.1 / -84.3 3356.1 / 155.7 3356.1 / 35.7

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 0.0098 / -46. 0.0098 /-166. 0.0098 / 74.
T-LEC PRI 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LEC PRI0 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. 3356.1/ -84.
3356.1/ 156. 3356.1/ 36.
PNL EC T-LEC PRI T-LEC FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EC T-LEC PRI0 T-LEC2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

PNL EQ VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3316.4 / -84. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 3.662 +j 36.083 (PU)
THEVENIN IMPEDANCE X/R RATIO: 9.853

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
4756.5 3565.8 3387.9 3322.0 3316.5

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---
3316.4 / -84.2 3316.4 / 155.8 3316.4 / 35.8

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 0.0185 / -32. 0.0185 /-152. 0.0185 / 88.
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.
RTU-1 CKT #2 (480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
T-LEQ PRI0 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-2 480.0 0.0000 / 0. 0.0000 / 0. 0.0000 / 0.
RTU-2 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. 3316.4/ -84.
3316.4/ 156. 3316.4/ 36.
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 RTU-1 CKT #2 (RTU-1 CKT #2 (480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ T-LEQ PRI0 T-LEQ2 FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.
PNL EQ RTU-2 RTU-2 CKT FDR 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

PNL EQ ================ FIRST BRANCH SYSTEM BRANCH FLOWS (AMPS)
================

PNL EQ RTU-2 CKT #2 RTU-2 CKT #2 F 480. 0.0/ 0.
0.0/ 0. 0.0/ 0.

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EMERGENCY POWER
CONDITION

PNL LEA VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 838.5 / -97. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 131.682 +j 303.721 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.306

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
891.8 838.5 838.5 838.5 838.5

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---
838.5 / -96.6 838.5 / 143.4 838.5 / 23.4

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 0.0359 / -89. 0.0359 / 151. 0.0359 / 31.
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. 838.5/ -97.
838.5/ 143. 838.5/ 23.

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EMERGENCY POWER
CONDITION

PNL LEC VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 3298.1 / -97. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 33.440 +j 77.232 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.310

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
3508.6 3298.2 3298.1 3298.1 3298.1

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---
3298.1 / -96.6 3298.1 / 143.4 3298.1 / 23.4

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 0.0223 / -59. 0.0223 /-179. 0.0223 / 61.
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. 3298.1/ -97.
3298.1/ 143. 3298.1/ 23.

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EMERGENCY POWER
CONDITION

PNL LEC2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1690.3 / -88. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 87.591 +j 138.900 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.586

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1722.2 1690.3 1690.3 1690.3 1690.3

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---
1690.3 / -87.8 1690.3 / 152.2 1690.3 / 32.2

PNL LEC2 ==== 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 SEC0 208.0 0.0239 / -68. 0.0239 / 172. 0.0239 / 52.
PNL LEC2 ================ 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 SEC0 PNL LEC2 LEC2 FDR 208. 1690.3/ -88.
1690.3/ 152. 1690.3/ 32.

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EMERGENCY POWER
CONDITION

PNL LEQ VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2353.6 / -96. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 47.525 +j 107.935 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.271

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2497.2 2353.7 2353.6 2353.6 2353.6

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---
2353.6 / -96.2 2353.6 / 143.8 2353.6 / 23.8

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 0.0272 / -73. 0.0272 / 167. 0.0272 / 47.
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. 2353.6/ -96.
2353.6/ 144. 2353.6/ 24.

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EMERGENCY POWER
CONDITION

PNL LEQ2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1692.9 / -92. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 77.695 +j 144.381 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.858

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1749.6 1692.9 1692.9 1692.9 1692.9

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---
1692.9 / -91.7 1692.9 / 148.3 1692.9 / 28.3

PNL LEQ2 ==== 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 SEC0 208.0 0.0239 / -72. 0.0239 / 168. 0.0239 / 48.
PNL LEQ2 ================ 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 SEC0 PNL LEQ2 PNL LEQ2 FDR 208. 1692.9/ -92.
1692.9/ 148. 1692.9/ 28.

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EMERGENCY POWER
CONDITION

PNL LN VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2665.7 / -93. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 48.080 +j 92.362 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.921

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2765.1 2665.7 2665.7 2665.7 2665.7

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---
2665.7 / -92.5 2665.7 / 147.5 2665.7 / 27.5

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 0.0308 / -70. 0.0308 / 170. 0.0308 / 50.
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. 2665.7/ -93.
2665.7/ 147. 2665.7/ 27.

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19
EMERGENCY POWER
CONDITION

PNL LN2 VOLTAGE BASE LL: 208.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 1841.7 / -89. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 78.249 +j 128.808 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.646

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
1881.8 1841.7 1841.7 1841.7 1841.7

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---
1841.7 / -88.7 1841.7 / 151.3 1841.7 / 31.3

PNL LN2 ==== 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 SEC0 208.0 0.0260 / -69. 0.0260 / 171. 0.0260 / 51.
PNL LN2 ================ 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 SEC0 PNL LN2 LN2 FDR 208. 1841.7/ -89.
1841.7/ 151. 1841.7/ 31.

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20
EMERGENCY POWER
CONDITION

RTU-1 CKT #1 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2849.5 / -71. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 14.079 +j 39.794 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.827

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
3143.0 2849.9 2849.5 2849.5 2849.5

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---
2849.5 / -70.5 2849.5 / 169.5 2849.5 / 49.5

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 0.2620 / -51. 0.2620 /-171. 0.2620 / 69.
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. 2849.5/ -71.
2849.5/ 169. 2849.5/ 49.

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21
EMERGENCY POWER
CONDITION

RTU-1 CKT #2 (VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2195.0 / -48. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 36.865 +j 40.543 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.100

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2202.2 2195.0 2195.0 2195.0 2195.0

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---
2195.0 / -47.7 2195.0 /-167.7 2195.0 / 72.3

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 0.6114 / -40. 0.6114 /-160. 0.6114 / 80.
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. 2195.0/ -48.
2195.0/-168. 2195.0/ 72.

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22
EMERGENCY POWER
CONDITION

RTU-2 VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2174.7 / -45. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 38.862 +j 39.356 (PU)
THEVENIN IMPEDANCE X/R RATIO: 1.013

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
2179.1 2174.7 2174.7 2174.7 2174.7

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---
2174.7 / -45.4 2174.7 /-165.4 2174.7 / 74.6

RTU-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 0.6392 / -40. 0.6392 /-160. 0.6392 / 80.
RTU-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-2 RTU-2 CKT FDR 480. 2174.7/ -45.
2174.7/-165. 2174.7/ 75.

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23
EMERGENCY POWER
CONDITION

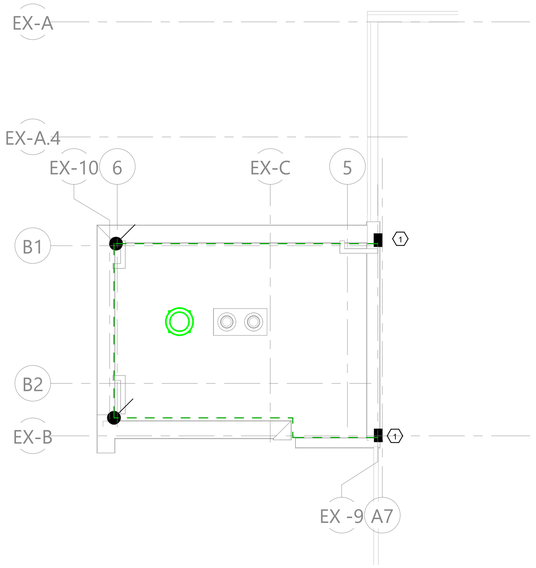
RTU-2 CKT #2 VOLTAGE BASE LL: 480.0 (VOLTS)
INI. SYM. RMS FAULT CURRENT: 2849.5 / -71. (AMPS/DEG)
THEVENIN EQUIVALENT IMPEDANCE: 14.079 +j 39.794 (PU)
THEVENIN IMPEDANCE X/R RATIO: 2.827

ASYM RMS INTERRUPTING AMPS
1/2 CYCLES 2 CYCLES 3 CYCLES 5 CYCLES 8 CYCLES
3143.0 2849.9 2849.5 2849.5 2849.5

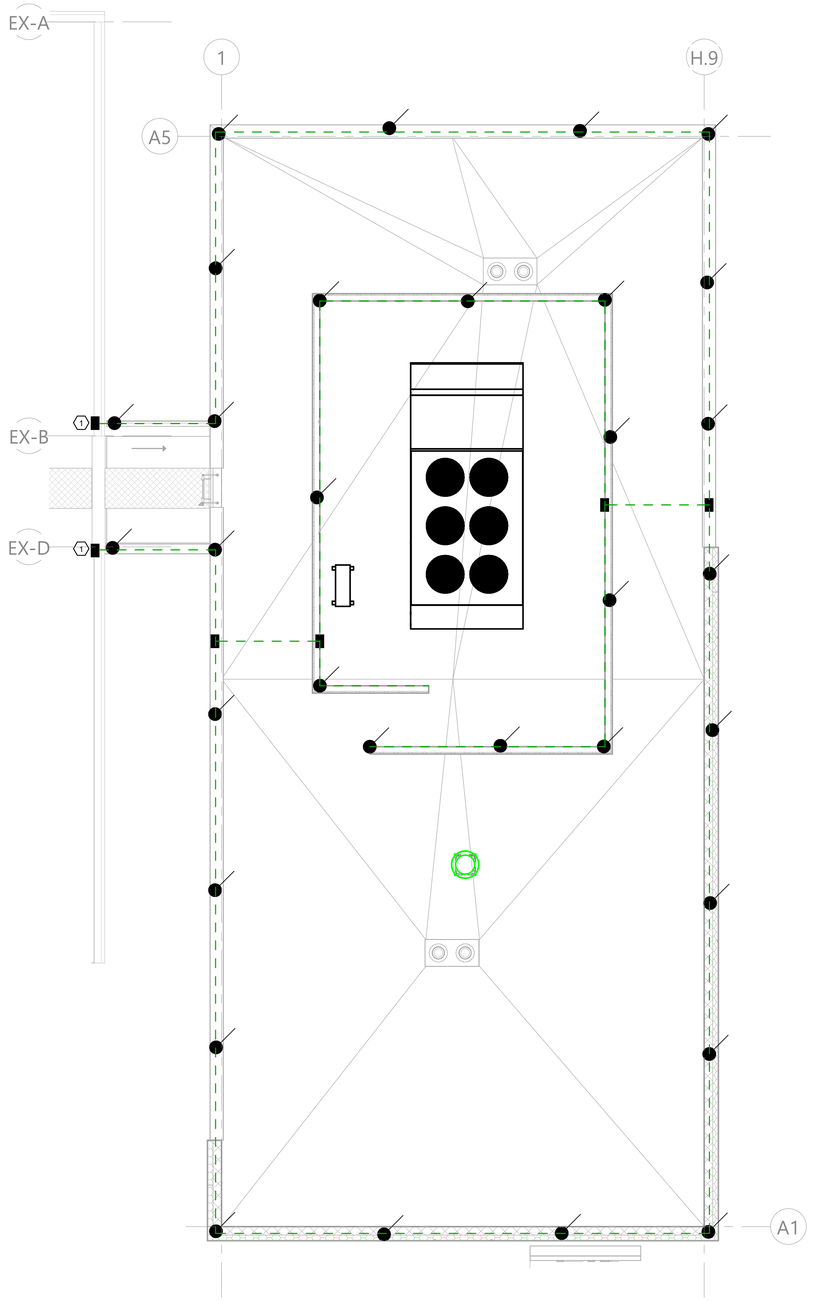
INI. SYM. RMS FAULTED BUS VOLTAGES (PU / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
0.0000 / 0.0 0.0000 / 0.0 0.0000 / 0.0

INI. RMS FAULTED CURRENT (AMPS / DEG)
AT TIME = 0.5 CYCLES
---PHASE A--- ---PHASE B--- ---PHASE C---
2849.5 / -70.5 2849.5 / 169.5 2849.5 / 49.5

RTU-2 CKT #2 ==== INI. SYM. RMS SYSTEM BUS VOLTAGES (PU / DEG) =======
FIRST BUS FROM FAULT AT



2 ELEC - LIGHTNING PROTECTION - WAITING/RENO
SCALE: 3/16" = 1'-0"



1 ELEC - LIGHTNING PROTECTION - EXPANSION
SCALE: 3/16" = 1'-0"

KEY NOTES:
1. CONNECT TO EXISTING LIGHTNING PROTECTION SYSTEM.

LIGHTNING PROTECTION LEGEND

DETAIL	SYMBOL	DISCRIPTION
		MAIN CONDUCTOR
		COPPER DOWN LEAD CONDUCTOR TO GROUND
		GROUND LOOP
		MID ROOF AIR TERMINAL
A		PARAPET AIR TERMINAL
B		EQUIPMENT AIR TERMINAL
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 - E604 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 — 11
No Scale

0' 2' 4' 8' 16'

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - LIGHTNING PROTECTION

SHEET: E601

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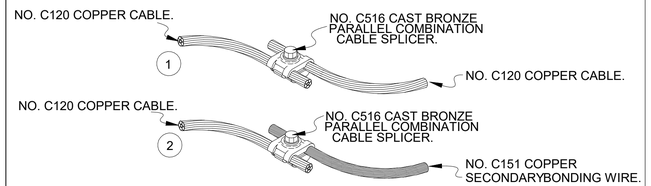
LIGHTNING PROTECTION SYSTEM GENERAL INSTALLATION NOTES

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 A-C LIGHTNING SECURITY, INC.
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. NEW ADDITION LIGHTNING PROTECTION SYSTEM SHALL CONNECT TO EXISTING BUILDING LIGHTNING PROTECTION SYSTEM.

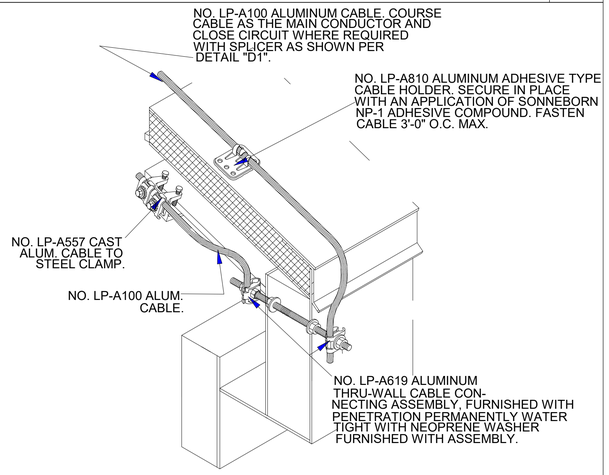
NOTES FOR LIGHTNING PROTECTION — 8

No Scale



(F) TYP. CABLE SPLICERS — 5

No Scale



(L) THRU-WALL CONN. AT EAVE — 7

No Scale

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

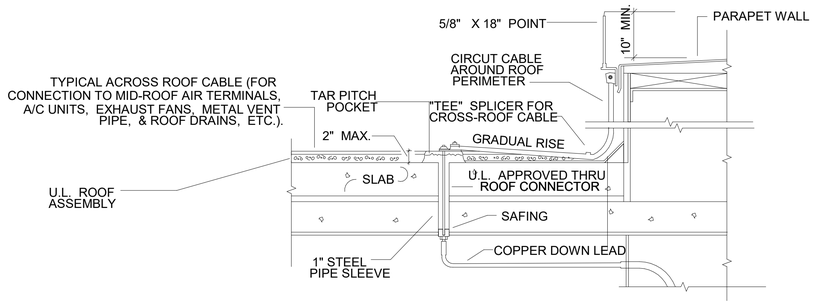
DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - LIGHTNING PROTECTION - DETAILS

SHEET: E602

0' 2' 4' 8' 16'

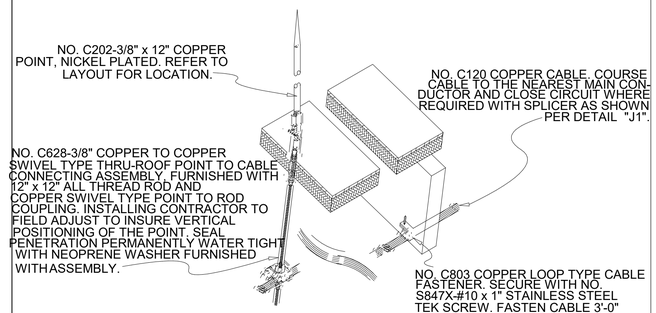
NOTE: SEE ARCHITECTURAL DETAILS FOR STRUCTURE (TYP.).



LIGHTNING PROTECTION SYSTEMROOF PENETRATION & INSTALLATION DETAIL

No Scale

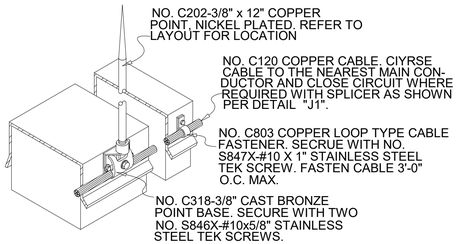
11



Ⓒ THRU-ROOF AIR TERMINAL

NO SCALE

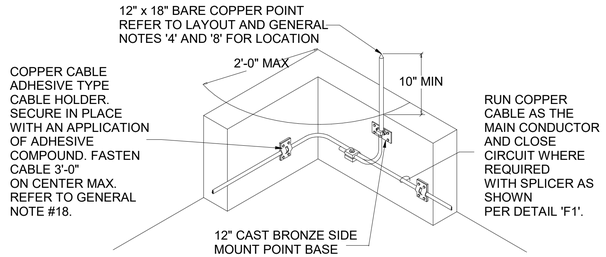
1



Ⓐ PARAPET AIR TERMINAL

NO SCALE

1



Ⓐ PARAPET AIR TERMINAL

No Scale

1

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DATES OF ISSUANCE
06/09/2025 △

TITLE
ELECTRICAL - LIGHTNING PROTECTION - DETAILS

SHEET
E603

0' 2' 4' 8' 16'

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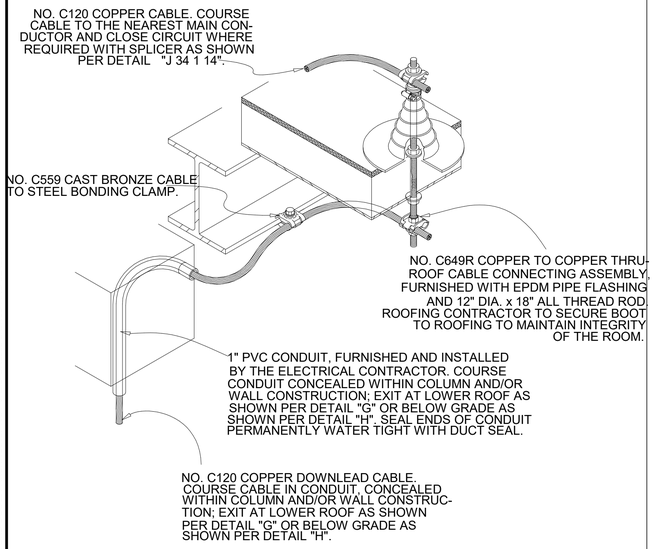
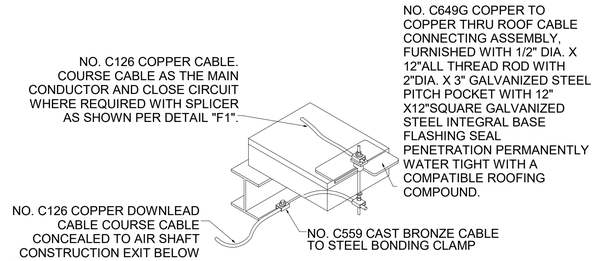


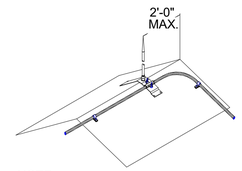
(E) THRU-ROOF CABLE CONN. — 1

No Scale



(H) TYP. THRU-ROOF PENETRATION — 10

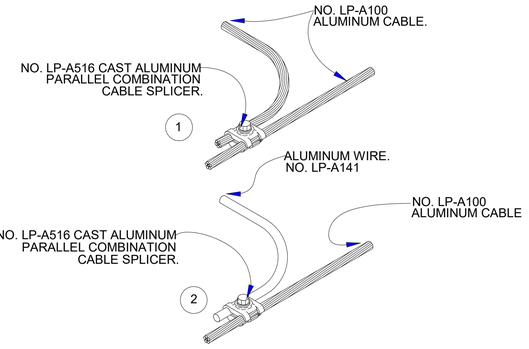
No Scale



NOTE:
THIS DETAIL DEPICTS NO SPECIFIC AREA OR INSTALLATION PROCEDURES SHOWN ON THE LAYOUT. THIS DETAIL ILLUSTRATES TYPICAL AIR TERMINAL PLACEMENT AT RIDGE ENDS.

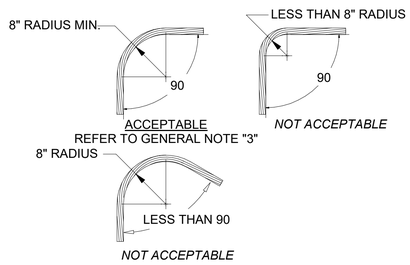
TYP. AIR TERMINAL PLACEMENT AT RIDGE ENDS — 6

No Scale



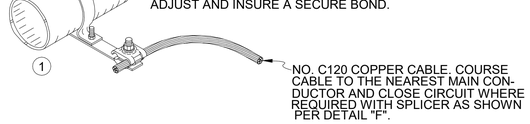
(F) TYPICAL CABLE SPLICERS — 4

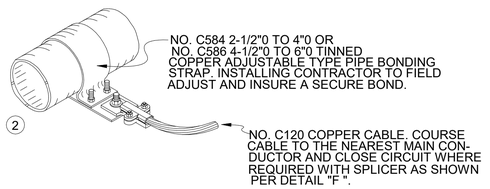
No Scale



(D) TYP. CABLE BEND REQUIREMENTS — 1

No Scale





(P) TYP. PIPE BONDING STRAP — 10

No Scale

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - LIGHTNING PROTECTION - DETAILS

SHEET: E604

0' 2' 4' 8' 16'

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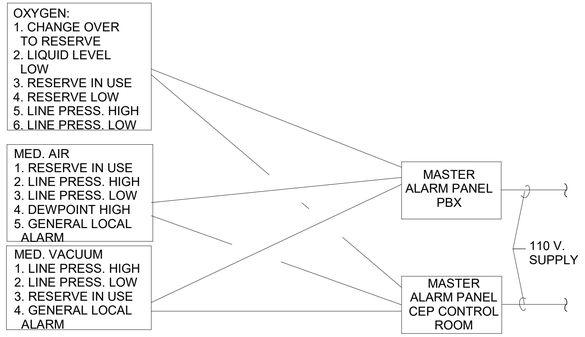


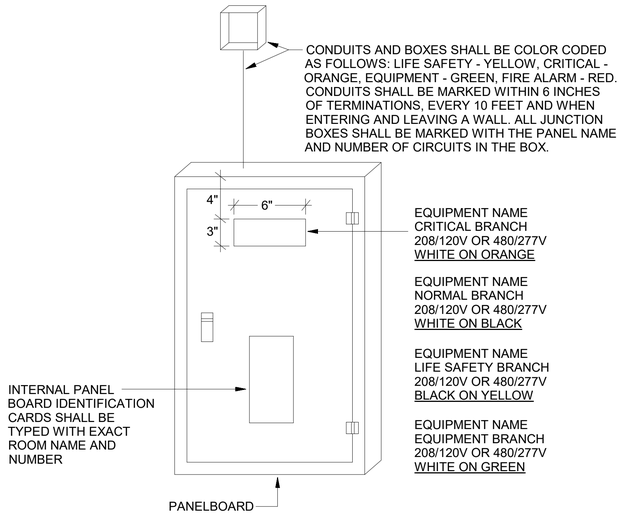
NOTE:
EACH ALARM POINT LISTED REQUIRES A STRANDED 18 GUAGE, SHIELDED TWISTED PAIR CABLE EQUAL TO BELDEN #8451 OR WEST PENN #452. ALL WIRING IN MIN. 3/4 " CONDUIT. ALL WIRING AND CONDUIT BETWEEN THE MASTER ALARM PANELS AND THE SOURCES, AS SHOWN, SHALL BE PROVIDED BY AND INSTALLED BY THE ELECTRICAL CONTRACTOR. (REFER TO MEDICAL GAS DRAWINGS FOR ALL EQUIPMENT CONNECTIONS REQUIRED).

MEDICAL GAS MASTER ALARM PANEL WIRING SCHEMATIC — 1
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:

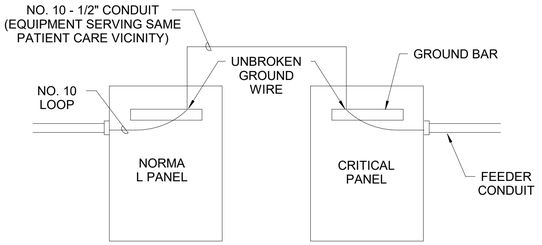
120/208Vø3 COLOR CODE		277/480Vø3 COLOR CODE	
PHASE A	BLACK	PHASE A	BROWN
PHASE B	RED	PHASE B	ORANGE
PHASE C	BLUE	PHASE C	YELLOW
NEUTRAL	WHITE	NEUTRAL	GRAY
GROUND	GREEN	GROUND	GREEN

TYPICAL ENGRAVING & COLOR CODING — 2
No Scale



GENERAL NOTES:
1. VERIFY FINAL COLOR CODING AND NAMING CRITERIA WITH THE FACILITY STANDARDS.

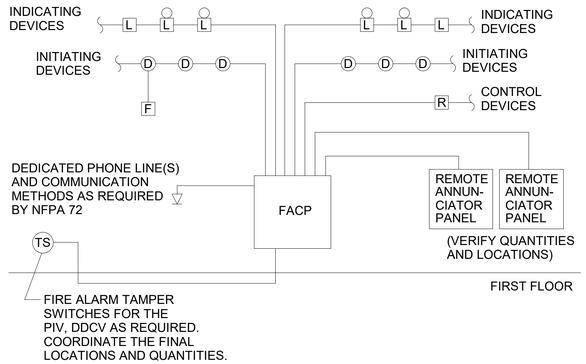
TYPICAL ENGRAVING & COLOR CODING — 3
No Scale



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 — 4
No Scale



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 RISER DIAGRAM — 5
No Scale

0' 2' 4' 8' 16'

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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

TITLE: ELECTRICAL - DETAILS

SHEET: E701

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		CONTROL UNIT ANNUNCIATION												NOTIFICATION												FIRE SAFETY CONTROL												
	SYSTEM INPUTS / SYSTEM OUTPUTS	ACTUATE COMMON ALARM SINGAL INDICATOR	ACTUATE AUDIBLE ALARM SINGAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE APPROPRIATE LOCATION INDICATOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	ACTUATE ALL VISIBLE EVACUATION SIGNALS	DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPV. SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RELEASE MAGNETICALLY HELD SMOKE DOORS	UNLOCK SECURITY DOORS	RELEASE ELEVATOR DOORS	ELEVATOR SHUNT TRIP	MAIN FLOOR ELEVATOR RECALL	ALTERNATE FLOOR ELEVATOR RECALL	FAN SHUT DOWN	DAMPER SHUT DOWN	REMOTE/TEL DISPLAY ACTIVE STATUS												
		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 — 6
No Scale

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 — 7
No Scale

A. Contractors shall contact or Graybar-Nashville to obtain pricing for all electrical products included in the specifications sections listed below, per HCA's purchasing agreement:

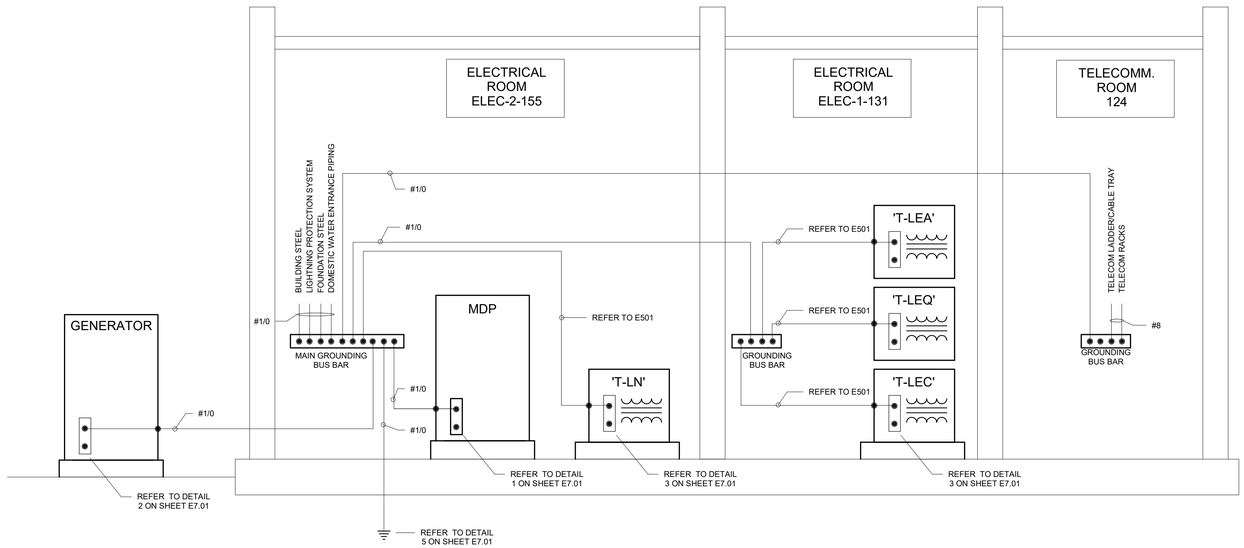
1. Jess Hoover
Graybar-Nashville
825 8th Avenue South
Nashville, TN 37217
HCA@graybar.com
615-743-3232

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:
Jess Hoover
Graybar Electric – Nashville, TN
See contact info above.

HCA - MATERIALS AND EQUIPMENT CONTACTS — 15
No Scale



GROUNDING ELECTRODE CONDUCTOR SYSTEM DETAIL — 8
No Scale

0' 2' 4' 8' 16'

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3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

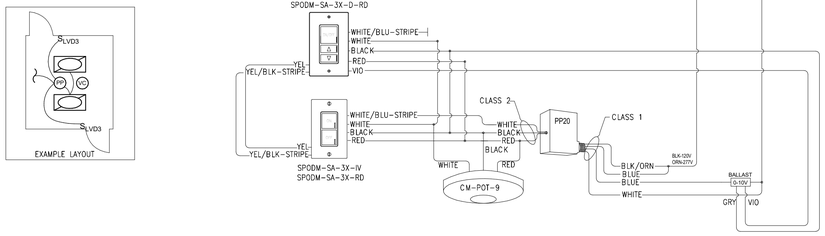
STATUS: CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE: 06/09/2025 △

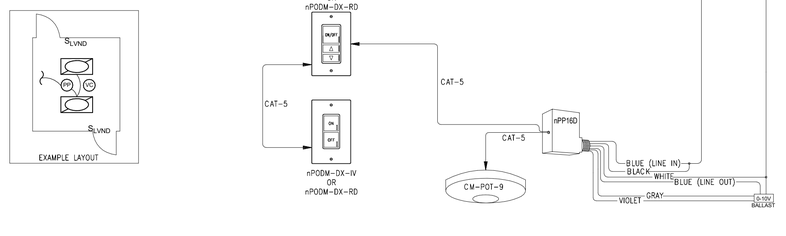
TITLE: ELECTRICAL - DETAILS

SHEET: E702



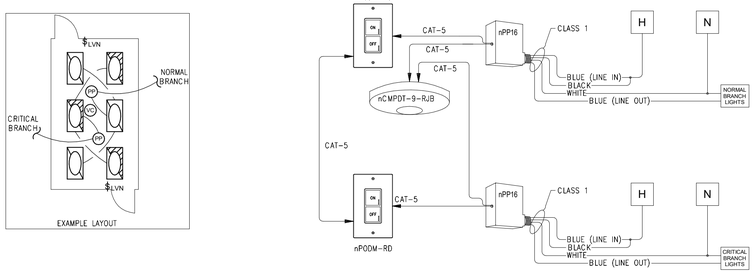
3-WAY SWITCHING - DIMMING SINGLE LOCATION W/ VACANCY SENSOR | **11**

No Scale



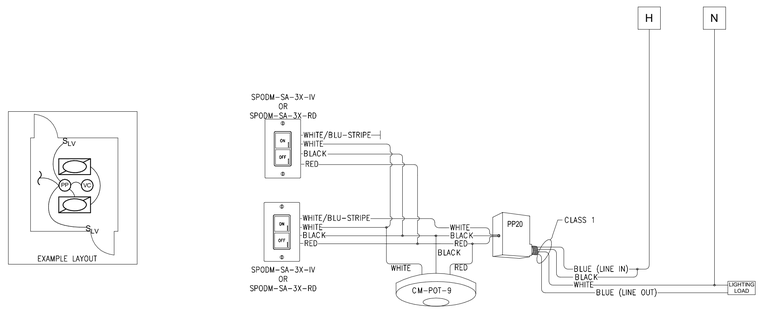
3-WAY SWITCHING - DIMMING TWO LOCATIONS W/ VACANCY SENSOR | **12**

No Scale



3-WAY SWITCHING - MULTIPLE BRANCH LOADS W/ VACANCY SENSOR | **13**

No Scale



3-WAY SWITCHING - SINGLE BRANCH LOAD W/ VACANCY SENSOR | **14**

No Scale

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STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE
ELECTRICAL - DETAILS

SHEET
E703

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1 SITE PLAN
SCALE: 1" = 10'-0"

KEY NOTES:

1. 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 TO THE MAXIMUM EXTENT FEASIBLE. PROVIDE EATON SP2 SURGE PROTECTIVE DEVICES OR APPROVED EQUAL.
2. CIRCUIT TO PASS THROUGH EXISTING LIGHITNG CONTACTOR CONTROLLING EXTERIOR LIGHTS. IF THERE IS NO ADDITIONAL SPACE REMAINING IN THE EXISITING LIGHTING CONTACTOR A NEW 8-POLE CONTACTOR BE PROVIDED.
3. CONNECTION TO IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION WITH CIVIL.

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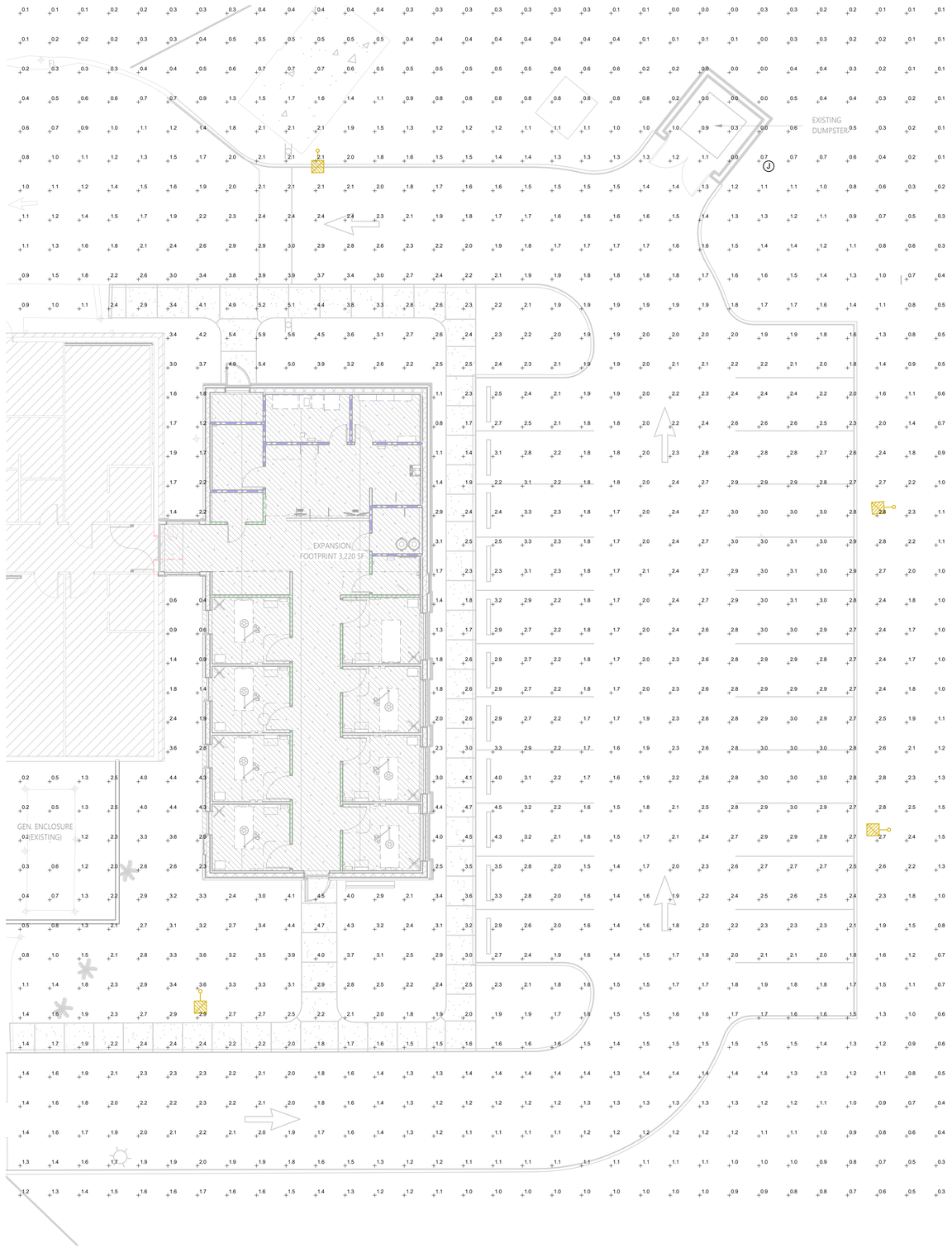
TITLE
ELECTRICAL - SITE PLAN

SHEET
ES01



1 SITE PLAN Copy 1
SCALE: 1" = 10'-0"

PHOTOMETRICS STATISTICS (FC)

	AVG.	MAX.	MIN.	MAX:MIN	AVG:MIN
PARKING AND DRIVES	2.1	4.5	1.0	4.5:1.0	2.1:1.0

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TITLE: ELECTRICAL - PHOTOMETRICS PLAN

SHEET: ESL

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TELECOMMUNICATIONS RESPONSIBILITY MATRIX

	GC	DIV 08	DIV 26	DIV 27	DIV 28	Parent Facility	TV	NC	CAMERA	ITG	EMS Radio	PM
		GC	GC	GC	GC	Owner	Owner Vendor	Owner Vendor	Owner Vendor	Owner Vendor	Owner Vendor	Owner Vendor
ITG VOICE/DATA CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish, Install, Terminate, Test, & Label Voice/Data Cabling				X								
Voice/Data Cabling Supports				X								
Voice/Data Sleeves				X								
Furnish Wireless Access Points (WAPS) & Associated Patch Cords										X		
Install & Label Wireless Access Points (WAPS) & Associated Patch Cords				X								
Furnish KRONOS Time Clock										X		
Install KRONOS Time Clock	X											
Furnish & Install ITG Voice/Data Equipment (PC, Telephone, Faxes, Printers, Copiers)										X		
Furnish & Install Patch Cords										X		
Furnish & Install Tracker Monitor Wall Brackets							X					
Furnish & Install Tracker Monitor							X					
Furnish Wall Mounted Computer Enclosure (Prox, Enovate, CCI)										X		
Install Wall Mounted Computer Enclosure (Prox, Enovate, CCI)	X											
Furnish & Install Registration Kiosk										X		
Roof Penetrations & Weatherhead for Satellite Phone			X									
Furnish, Install, & Test Satellite Phone & Associated Cabling										X		
Order & Setup Internet & Telephone Service Provider Services						X						
Furnish, Install, & Test Wall Mount Ring Down Phone (Algo 8201)										X		
PHYSIOLOGICAL MONITORING (PM) CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish, Install, Terminate, Test, & Label PM Cabling				X								
PM Cabling Supports				X								
PM Cabling Sleeves				X								X
Furnish & Install Bedside Monitors (Portable & Fixed)												X
Furnish Bedside Monitor Wall Track for Fixed Monitor in Trauma Room												
Install Bedside Monitor Wall Track for Fixed Monitor in Trauma Room	X											
NURSE CALL CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish & Install Nurse Call Cabling				X								
Terminate, Test & Label Nurse Call Cabling								X				
Nurse Call Cabling Supports				X								
Nurse Call Cabling Sleeves				X								
Furnish & Install Nurse Call Devices								X				
Test Nurse Call System								X				
TELEVISION CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish & Install Television Coax Cabling				X								
Terminate Television Coax Cabling							X					
Test Television Coax Cabling							X					
Label Television Coax Cabling							X					
Furnish, Install, Terminate, Test, & Label Television Cat 6 Cabling				X								
Television Cabling Supports				X								
Television Cabling Sleeves				X								
Furnish & Install RF Splitters, Combiners and AMP							X					
Furnish & Install Television Wall Brackets							X					
Furnish, Install, Programming, & Test Television Sets							X					
Furnish & Install Patch Cords Between Wall Plate & Television							X					
Roof Penetrations & Weatherhead for Roof Mounted Satellite			X									
Furnish, Install, & Test Roof Mounted Satellite						X						
Order & Setup CATV or Satellite Service Provider Services						X						
VIDEO SURVEILANCE CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish, Install, Terminate, Test, & Label Video Surveillance Cabling				X								
Video Surveillance Cabling Supports				X								
Video Surveillance Cabling Sleeves				X								
Furnish, Install, & Test Video Surveillance Equipment (Cameras, Camera mounts, Servers)									X			
ACCESS CONTROL CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes			X									
Furnish Access Control Cabling					X							
Label Access Control Cabling					X							
Access Control Cabling Supports					X							
Access Control Cabling Sleeves					X							
Furnish & Install Card Readers		X										
Furnish & Install Access Control Equipment (Headend, Door Controllers, Power Supplies)					X							
Furnish & Install Door Hardware (Electronic Locks, Electronic Strikes, Etc.)		X										
Test Access Control System					X							
OVERHEAD PAGING CABLING & EQUIPMENT												
Conduit Stub-Ups & Outlet Boxes		X										
Furnish and Install Overhead Paging Cabling				X								
Overhead Paging Cabling Supports				X								
Overhead Paging Cabling Sleeves				X								
Furnish & Install Overhead Paging Speakers				X								
Furnish & Install Overhead Paging Volume Control				X								
Furnish & Install Overhead Paging Amplifiers				X								
Test Overhead Paging System				X								
TELECOMMUNICATION SPACE BUILDOUT												
Furnish & Install Telecommunications Equipment Racks				X								
Furnish & Install Overhead Telecommunications Space Overhead Cable Tray				X								
Furnish & Install Fire Rated Plywood	X											
Furnish & Install Telecommunications Equipment Rack Wire Management (Horizontal & Vertical)				X								
Furnish & Install Active Telecommunications Equipment (Switches, Routers, UPS, etc.)										X		
TELECOMMUNICATION GROUNDING & BONDING												
Furnish & Install Telecommunications Grounding Buss Bar (TMGB)			X									
Furnish & Install Bonding Conductor For Telecommunications (BCT) Between TMGB & AC Electric Service Equipment			X									
Furnish & Install Telecommunication Equipment Bonding Conductor (TEBC) Between TMGB & Building Steel			X									
Furnish & Install Telecommunications Equipment Bonding Conductor (TEBC) Between TMGB & Equipment Racks, Overhead Cable Tray, & Other Telecommunications Equipment Within the Telecommunication Space				X								
Test Grounding and Bonding System			X									
EMS RADIO (NASHVILLE COMMUNICATIONS)												
Conduit Stub-Ups & Outlet Boxes			X									
Roof Penetrations & Weatherhead			X									
Furnish, Install, Terminate, Test, & Label Shielded Cat 5e Cabling					X							
Furnish, Install, Terminate, Test, & Label Radio Coax Cabling											X	
Furnish, Install & Test Active EMS Radio Equipment (Headend, Roof Antenna, Desktop Station											X	

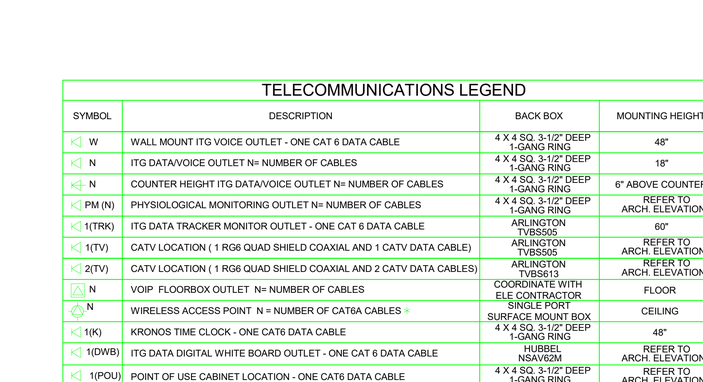
TELECOMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
W	WALL MOUNT ITG VOICE OUTLET - ONE CAT 6 DATA CABLE	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	48"
N	ITG DATA/VOICE OUTLET N= NUMBER OF CABLES	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	18"
N	COUNTER HEIGHT ITG DATA/VOICE OUTLET N= NUMBER OF CABLES	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	6" ABOVE COUNTER
PM (N)	PHYSIOLOGICAL MONITORING OUTLET N= NUMBER OF CABLES	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	REFER TO ARCH. ELEVATIONS
1(TRK)	ITG DATA TRACKER MONITOR OUTLET - ONE CAT 6 DATA CABLE	ARLINGTON TVBS505	60"
1(TV)	CATV LOCATION (1 RG6 QUAD SHIELD COAXIAL AND 1 CATV DATA CABLE)	ARLINGTON TVBS505	REFER TO ARCH. ELEVATIONS
2(TV)	CATV LOCATION (1 RG6 QUAD SHIELD COAXIAL AND 2 CATV DATA CABLES)	ARLINGTON TVBS613	REFER TO ARCH. ELEVATIONS
N	VOIP FLOORBOX OUTLET N= NUMBER OF CABLES	COORDINATE WITH ELE CONTRACTOR	FLOOR
N	WIRELESS ACCESS POINT N = NUMBER OF CAT6A CABLES *	SINGLE PORT SURFACE MOUNT BOX	CEILING
1(K)	KRONOS TIME CLOCK - ONE CAT6 DATA CABLE	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	48"
1(DWB)	ITG DATA DIGITAL WHITE BOARD OUTLET - ONE CAT 6 DATA CABLE	HUBBEL NSAV62M	REFER TO ARCH. ELEVATIONS
1(POU)	POINT OF USE CABINET LOCATION - ONE CAT6 DATA CABLE	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	REFER TO ARCH. ELEVATIONS
2(EMS)	EMS RADIO DATA - SHIELDED CAT 5 CABLES ROUTED TO EMS RACK	4 X 4 SQ. 3-1/2" DEEP 1-GANG RING	18"
R	ITG WALL MOUNT RING DOWN PHONE VOICE OUTLET - ONE CAT 6 DATA CABLE	4 X 4 SQ. 3-1/2" DEEP 2-GANG RING	48"

* CONTRACTOR SHALL LEAVE 25' SLACK CABLE IN CEILING FOR RELOCATION OF CABLE. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF OWNER PROVIDED WAPS.

SECURITY LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
C	FIXED VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	SEE DETAILS	CEILING/80" AFF ON WALL
C E	EXTERIOR FIXED VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	MASONRY 2-1/2" DEEP 1-GANG	SEE NOTES & ARCH ELEVATIONS
CB	EMERGENCY CALL BOX	NONE	REFER TO ARCH. ELEVATIONS
PB	WIRELESS PANIC BUTTON LOCATION		COUNTER / DESK
C	FIXED 4 WAY VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	SEE DETAILS	CEILING/80" AFF ON WALL
C	FIXED 3 WAY VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	SEE DETAILS	CEILING/80" AFF ON WALL
FE	360 FISHEYE VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	SEE DETAILS	REFER TO ARCH ELEVATIONS
E C	EXTERIOR FIXED 3 WAY VIDEO SURVEILLANCE CAMERA - PROVIDE WITH 1 CAT6 DATA CABLE	MASONRY 2-1/2" DEEP 1-GANG	SEE NOTES & ARCH ELEVATIONS



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
NOT TO SCALE

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

NaviCare Nurse Call

Device Symbol	Device Name	Part Number	Back Box Type (UL 514-A LISTED)	Typical Mounting Height (Verify all locations with owner)	Cable requirements
SC	GRAPHICAL STAFF CONSOLE, DESK MT. (GRS10)	P2500NNC1A00	1-Gang GW Box - Must be Grounded.	18" AFF (Under desk)	2 cables to PoE Switch
BC	AUDIO STATION BED CONNECTOR (ASBC) (standalone) WITH PILLOW SPEAKER	P2500NNC1A00 0 (REVA) P2509NNC1B0 0 (REV B)	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring or 1-Gang 3 1/2 Deep Metal Box	See Arch. Elevations	2 Cables to the Patient Station
D	DOME LIGHT	P2506NNC8A00	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	Ceiling or Center Above patient door 90°AFF Refer to Architectural Elevations	1 cable to RCB
Z	ZONE LIGHT	P2506NNC8A00	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	Ceiling	1 cable to RCB
D	DOME LIGHT, SINGLE BULB	P2506NNC1B00	4" Sq Box 2 ⅛ Deep w/2-Gang Mud Ring	Ceiling or Center Above patient door 90°AFF Refer to Architectural Elevations	1 cable to RCB
KB	SWITCH, KEY SWITCH, ENABLE/DISABLE	P2514A01	4" Sq Box 2 ⅛ Deep w/2-Gang Mud Ring	Variable	1 cable to RCB
H	HANDSET/CRADLE	P2515NNC1A00	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	Height of room station	1 cable to Room Station
EQ	EQUIPMENT RECEPTACLE WITH P2511 PUSHBUTTON CALL CORD	P2516A01	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	Variable on patient headwall	1 cable to RCB
EQ	EQUIPMENT RECEPTACLE TWO JACK	P2516A07	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	Variable on patient headwall	2 cables to RCB
EQ	EQUIPMENT RECEPTACLE SIX JACK	P2516B06	3-gang Metal Box 2 1/8" Deep	Variable on patient headwall	1 cable to RCB
P	SWITCH, CODE BLUE PUSH BUTTON SWITCH	P2520A07	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	SWITCH, STAFF EMERGENCY PUSH BUTTON SWITCH	P2520A08	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	SWITCH, CODE PINK PUSH BUTTON SWITCH	P2520A09	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	SWITCH, DOCTORS ORDERS, WITH CANCEL	P2520A10	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	SWITCH, DOCTORS ORDERS STAT, WITH CANCEL	P2520A11	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
CW	PULL SWITCH, CW, W/CANCEL	P2520A15	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	PB SWITCH, CODE GREEN W/CANCEL	P2520A16	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
E	SWITCH, BATH SWITCH, W/CANCEL, SUPERVISED	P2520B01	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	36" to 48"AFF See Drawings and Arch Elevations	1 cable to RCB
ES	SWITCH, BATH SWITCH, W/O CANCEL, SUPERVISED	P2520B02	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	36" to 48"AFF See Drawings and Arch Elevations	1 cable to RCB
SE	SWITCH, STAFF EMERGENCY LEVER, SALMON, W/CANCEL, SUPERVISED	P2520B03	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, CODE PINK SWITCH W/O CANCEL	P2520B04	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
CB	SWITCH, CODE BLUE SWITCH W/CANCEL	P2520B06	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
P	PB SWITCH PUSH TO CALL WITH CANCEL	P2520B12	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
RC	PB SWITCH, CLEAN W / CANCEL	P2520B13	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
RS	PB SWITCH, NEEDS CLEAN W / CANCEL	P2520B14	4" Sq Box 2 ⅛ Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
RL	RLR, REMOTE LOCATOR RECEIVER	P2540B02	4" Sq Box 2 ⅛ Deep w/2-Gang Mud Ring		1 cable to RCB
A	SYSTEM ALARM INTERFACE MODULE, W/BOX W/ PIGTAILS	P2545A01	4" Sq Box 2 ⅛"Deep w/ Blank Cover		1 cable to RCB
RAD	RAD - REMOTE AUDIO DEVICE	P2594NNC4A10	1 or 2-gang Metal Box	48"AFF	1 cable to RCB
VS	VISITOR STATION - STANDARD ROOM STATION W/VISITOR (SRS)	P2594NNC1A00 (REVA) P2594NNC1B00 (REV B)	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
SR	STAFF STATION - STANDARD ROOM STATION W/O CODE (SRS)	P2594NNC1A01 (REVA) P2594NNC1B01 (REV B)	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
PS	PATIENT STATION - STANDARD ROOM STATION W/CODE (SRS)	P2594NNC1A11 (REVA) P2594NNC1B11 (REV B	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
GR	GRAPHICAL ROOM STATION (GRS-5) - STAFF	P2594NNC2A00 (REV A) P2594NNC2B00 (REV B)	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
GR PS	GRAPHICAL ROOM STATION (GRS-5) - PATIENT	P2594NNC2A11 (REV A) P2594NNC2B11 (REV B)	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
AN	GRAPHICAL ANNUNCIATOR (GRS-10) - NO HS	P2594NNC3A00	3-gang Metal Box 2 1/8" Deep	See Arch. Elevations	1 cable to RCB
RCB	ROOM CONTROL BOARD (RCB) BELOW CEILING	P2599NNC1A00	3-gang GW Box 3 ½" Deep	Surface mount above ceiling line	1 cable to PoE switch
RCB	ROOM CONTROL BOARD (RCB) ABOVE CEILING	P2599NNC1B00	Hill-Rom supplied 12"x 12" x 4" Steel Box	Variable	1 cable to PoE switch
POE	POE SWITCH	P2519NNC1A24	Rack Mounts into standard 19" rack. 1 Unit		See Rack-Riser diagram for details
TV	TV CONTROL CABLE - INSTALLED BY CABLING CONTRACTOR				

ALL NURSE CALL CABLING SHALL ROUTE TO THE FACILITY DESIGNATED COMMUNICATIONS RACK.

TELECOMMUNICATIONS PATHWAY LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	TELECOMMUNICATION SPACE OVERHEAD CABLE TRAY	ABOVE RACKS
J J J	J-HOOK PATHWAY *	ABOVE CEILING
	SLEEVE (HILTI SPEED SLEEVE OR STI EZ-PATH)	ABOVE CEILING

* VERIFY IF CABLE PATHWAY IS SHOWN ON DRAWING PRIOR TO PRICING. IF NO CABLE PATHWAY SYMBOL IS SHOWN, ASSUME PRE-FAB RACKS WILL BE USED AND NO ADDITIONAL PATHWAYS WILL BE REQUIRED.

OVERHEAD PAGING LEGEND

SYMBOL	DESCRIPTION	BACK BOX	MOUNTING HEIGHT
S	OVERHEAD PAGING SPEAKER	N/A	CEILING
AMP	PAGING AMPLIFIER - 100 AMP		WALL
V	VOLUME CONTROL	4 X 4 SQ. 2-1/8" DEEP 1-GANG RING	48" AFF
DS	LOUROE ELECTRONICS AP-1TB OR EQUAL AUDIO MONITOR BASE		DESK
SS	LOUROE ELECTRONICS TLI-CF OR EQUAL SPEAKER/MICROPHONE	VENDOR PROVIDED	CEILING
S DB	OVERHEAD SPEAKER - FRONT DOOR BELL CHIME	N/A	CEILING
AMP DB	CHIME GENERATOR/AMPLIFIER - FRONT DOOR BELL CHIME	N/A	WALL

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3711 US Highway 231 Panama City, Florida 32404
HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS
AHCA #3093000034

DATES OF ISSUANCE
06/09/2025

TITLE
TELECOMMUNICATIONS - LEGENDS

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T001

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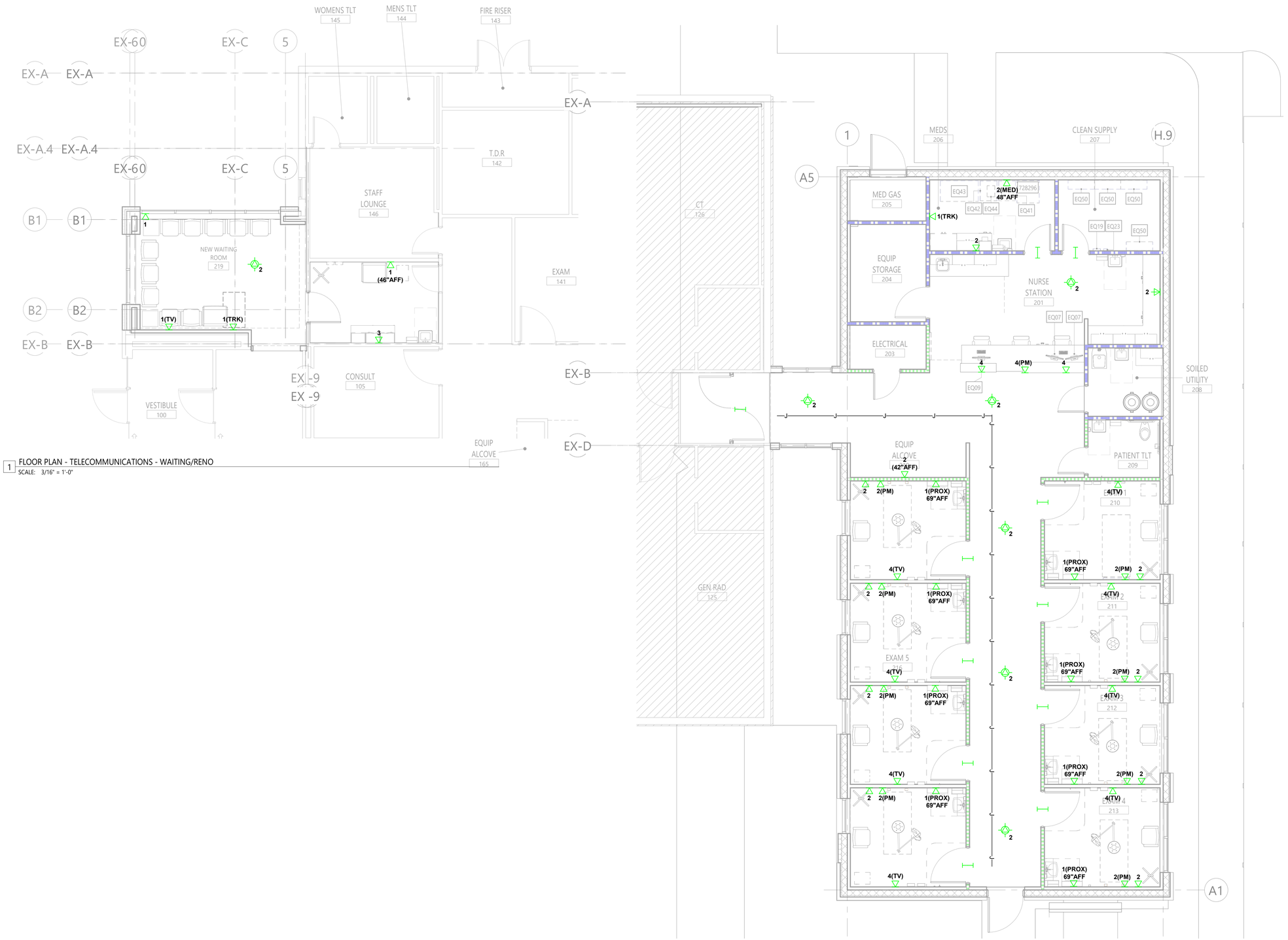

1 FLOOR PLAN - TELECOMMUNICATIONS - WAITING/RENO
SCALE: 3/16" = 1'-0"

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

0' 2' 4' 8' 16'

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TITLE
TELECOMMUNICATIONS - FLOOR PLAN - LEVEL 1

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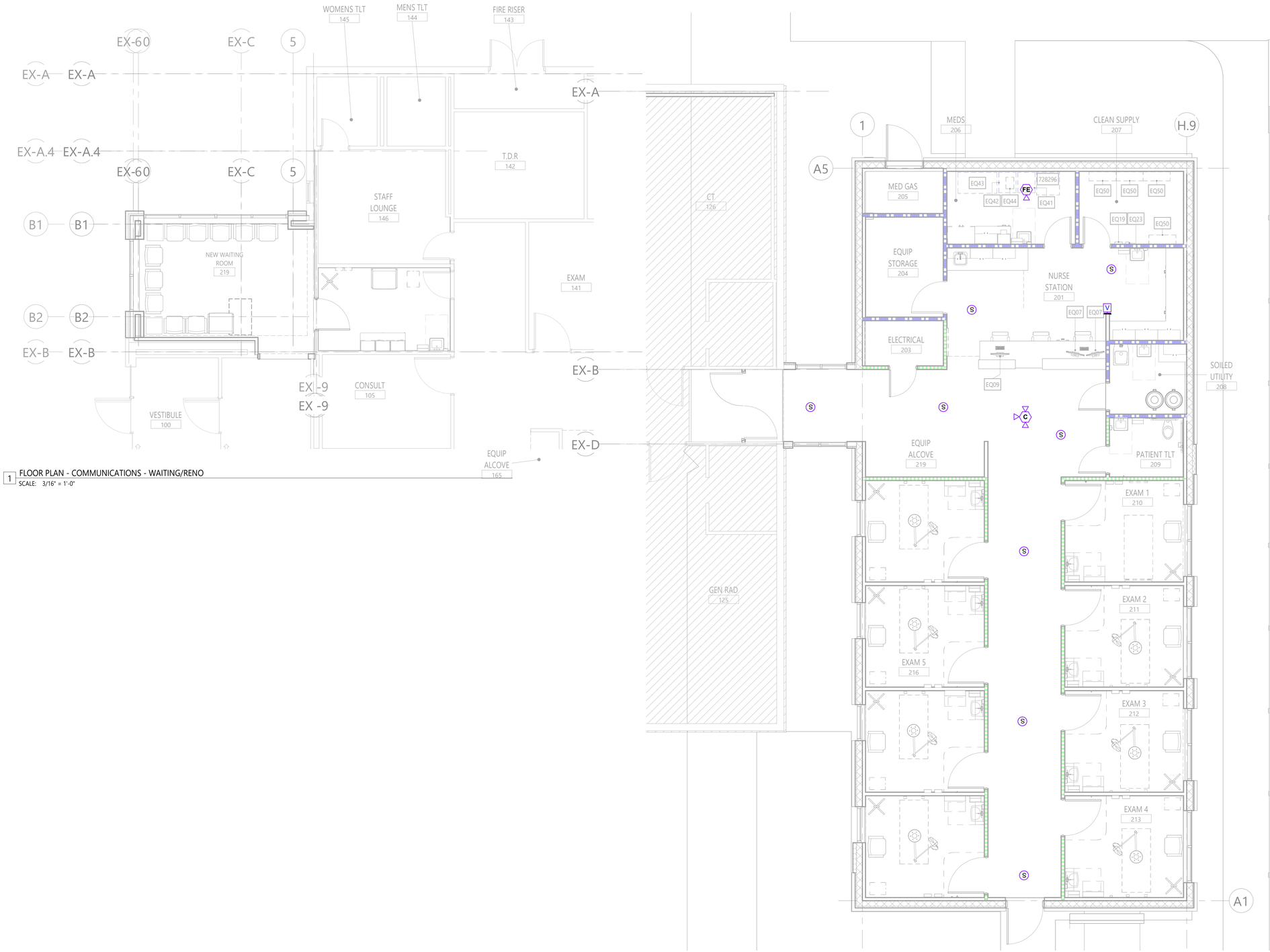

1 FLOOR PLAN - COMMUNICATIONS - WAITING/RENO
SCALE: 3/16" = 1'-0"

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

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TITLE
COMMUNICATIONS - FLOOR PLAN - LEVEL 1

SHEET
T201

0' 2' 4' 8' 16'

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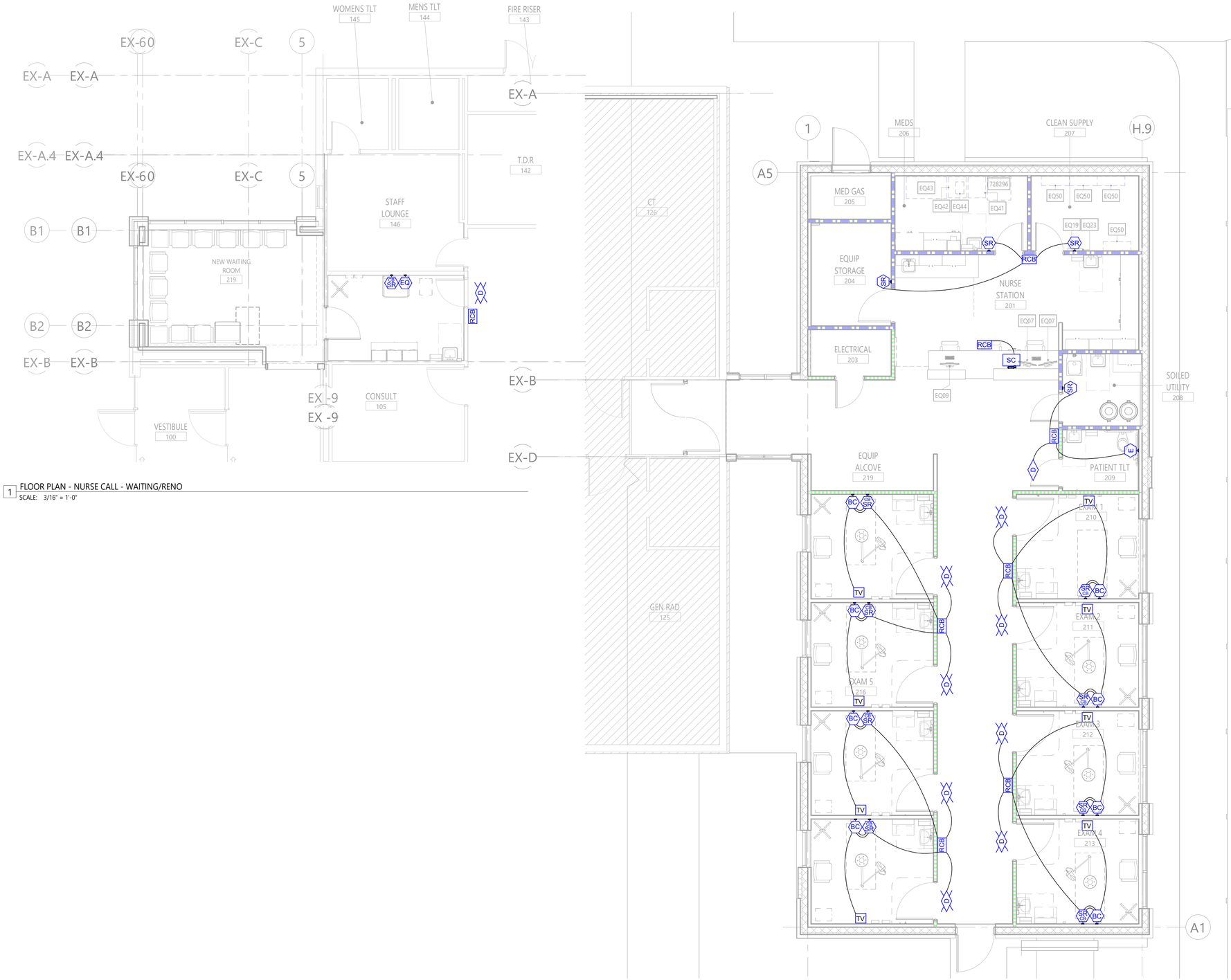

1 FLOOR PLAN - NURSE CALL - WAITING/RENO
SCALE: 3/16" = 1'-0"

2 FLOOR PLAN - NURSE CALL - EXPANSION
SCALE: 3/16" = 1'-0"

0' 2' 4' 8' 16'

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STATUS
CONSTRUCTION DOCUMENTS

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TITLE
NURSE CALL - FLOOR PLAN - LEVEL 1

SHEET
T301

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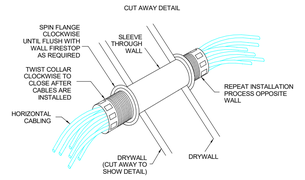
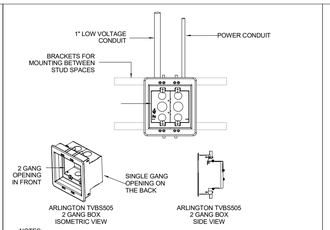
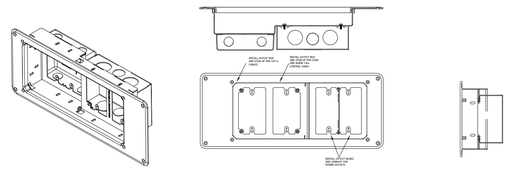


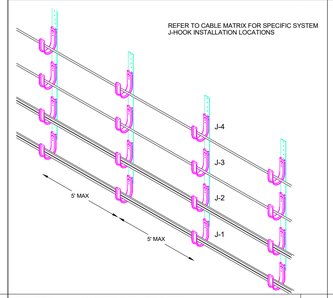
HITLI SPEED FIRE STOP SLEEVE PATHWAY WITH J-HOOK DETAIL — 1
No Scale



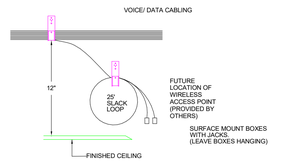
TRACKER MONITOR/TV CONNECTION 1(TV)/1(TRK) ENCLOSURE DETAIL — 2
No Scale



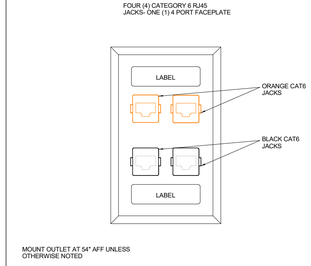
HCA VISION TV BACKBOX DETAIL 4(TV) ARLINGTON TVBS613 — 3
No Scale



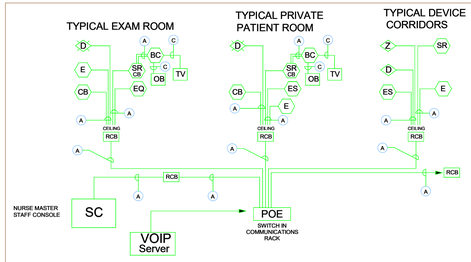
TYPICAL J-HOOK ROUTING DETAIL DETAIL — 4



TYPICAL WIRELESS ACCESS POINT DETAIL — 5
No Scale



PAT. MON./DATA OUTLET DETAIL 2 2(PM) — 6
No Scale



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
NOT TO SCALE

NURSE CALL SYSTEM SHALL COMPLY WITH UL 1069
NURSE CALL CONTRACTOR SHALL SUBMIT AN APPROVED CERTIFICATION FOR THE NURSE CALL/CODE BLUE SYSTEM AT THE FINAL AHCA SURVEY

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.

CABLE ROUTING MATRIX

SYSTEM	CABLE COLOR	CABLE TYPE	J-HOOK LOCATION	SHARED/NOT SHARED
VOICE/ DATA	BLACK	CAT 6	J-2 & J-5	SHARED
CCTV	BLACK	CAT 6	J-2 & J-5	SHARED
WAP	YELLOW	CAT 6A	J-1 & J-5	SHARED
PHYSIOLOGICAL MONITORING	ORANGE	CAT 6	J-2 & J-5	NOT SHARED
TELEMETRY	WHITE	RG6 / RG11 / HARDLINE	J-3	NOT SHARED
CATV COAXIAL	BLACK	RG6 / RG11	J-4 & J-5	SHARED
CATV DATA	BLUE	CAT 6	J-4 & J-5	SHARED
NURSE CALL	GREEN	CAT 6 / MISC	J-2 & J-5	NOT SHARED
RFID / RTLS	PURPLE	CAT 5E / CAT 6 / MISC	J-3	NOT SHARED
INFANT ABDUCTION	WHITE	CAT 5E / CAT 6 / MISC	J-3	NOT SHARED
WONDERING SYSTEM	WHITE	CAT 5E / CAT 6 / MISC	J-3	NOT SHARED
OVERHEAD PAGING	GREY	AUDIO	J-3	NOT SHARED
EMS RADIO	WHITE / BLACK	CAT 5 / COAXIAL	J-3	NOT SHARED
BAS	WHITE /GREY	MISC	J-3	NOT SHARED
INTERCOM	GREY	MISC	J-4	SHARED
ELECTRONIC ACCESS CONTROL	WHITE	MISC	J-4	SHARED
DATA FIBER BACKBONE	YELLOW	MULTI - STRAND FIBER	J-1	SHARED
DATA COPPER BACKBONE	YELLOW	MULTI - PAIR COPPER	J-1	SHARED

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.

I.C. Thomasson Associates, Inc.
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PROJECT # 225004.00

PANAMA CITY FSER EXPANSION
3711 US Highway 231 Panama City, Florida 32404

HCA Florida Gulf Coast Hospital
449 W 23rd St, Panama City, Florida 32405

STATUS
CONSTRUCTION DOCUMENTS

AHCA #3093000034

DATES OF ISSUANCE
06/09/2025 △

TITLE
TELECOMMUNICATIONS - DETAILS

SHEET
T401