



ADDENDUM NO. 3

ORANGE BEACH FIRE STATION CITY OF ORANGE BEACH

ADDENDUM NO. Three (3) – DATED January 11, 2022

This Addendum is directed to all bidders to whom the City of Orange Beach and Printing Pros has issued drawings and specifications. The following conditions, drawings, specification changes, etc., take precedence over any conflicting conditions in the Drawings and Specifications or other Contract and Bid Documents. Portions of the Contract Documents not changed by Addendum remain in effect.

SPECIFICATIONS

ITEM 3.01 SECTION 00 4310.11 – Affidavit of Contractor or Direct Vendor (Attached)

Revised project name.

ITEM 3.02 SECTION 07 1400 - FLUID-APPLIED WATERPROOFING (Attached)

This has been added to address waterproofing below the finished floor on the CMU block.

ITEM 3.03 SECTION 26 3213 – GENERATOR

This is intended to be a diesel only generator. All other information in specification applies.

DRAWINGS

ITEM 3.04 T1.0 DRAWING (Attached)

Revised to reflect correct number of Civil Sheets.

ITEM 3.05 C-6 DRAWING (Attached)

Revised drawings to show all bollards at a 6" Diameter. Relocated the Generator & Transformer Pads to coordinate with MEP Drawings. Added three schedule 80 PVC lines for future irrigation installation (46 LF each line).

ITEM 3.06 C-11 DRAWING (Attached)

Revised the sanitary service for future engine garage and dumpster from 2" to 4". New gas line added.

ITEM 3.07 C-14 DRAWING (Attached)

Revised bollard detail to reflect 6" Diameter.

ITEM 3.08 C1.1 DRAWING (Attached)

Revised to show monument sign location and new locations for transformer and generator.

ITEM 3.09 A1.1 DRAWING (Attached)

Removed shelving in Bunker Gear Room (Rm. 134). Owner will provide specialty racks for this room. Connections for the future gear washer/dryer has been revised to be electric as opposed to gas.

ITEM 3.10 A4.2 DRAWING (Attached)

Revised all wall sections to include below grade waterproofing.

- ITEM 3.11 A5.1 DRAWING (Attached)**
Removed shelving in the Bunker Gear Room (Rm. 134) interior elevations and added notation for specialty racks which will be provided by Owner.
- ITEM 3.12 P2.2 DRAWING (Attached)**
Revised to add keynote for future water heater connection.
- ITEM 3.13 P3.1 DRAWING (Attached)**
Revised to show removal of kitchen floor drain.
- ITEM 3.14 P3.2 DRAWING (Attached)**
Revised to add keynote for future gear wash machine drain line.
- ITEM 3.15 P3.3 DRAWING (Attached)**
Revised sanitary riser diagram.
- ITEM 3.16 E2.2 DRAWING (Attached)**
Revised drawing to reflect added electrical for future gear washer/dryer and water heater.
- ITEM 3.17 E2.3 DRAWING (Attached)**
Revised time clock/lighting contractor wiring diagram.
- ITEM 3.18 E4.1 DRAWING (Attached)**
Revised panel MDP, riser diagram and loads.
- ITEM 3.19 E4.2 DRAWING (Attached)**
Revised panel LP2.
- ITEM 3.20 T1.1 DRAWING (Attached)**
Revised doorbell and manual push button locations. Note revised to show Purvis alerting system cabling and rough-in to be provided/installed by contractor. Added west side entrance card reader to plans.
- ITEM 3.21 T1.2 DRAWING (Attached)**
Note revised to show Purvis alerting system cabling and rough-in to be provided/installed by contractor.
- ITEM 3.22 UE.1 DRAWING (Attached)**
Revised to show monument sign electrical requirements and revised generator and transformer locations.

ATTACHMENTS:

- **00 4310.11 – Affidavit of Contractor or Direct Vendor Drawing S1.0**
- **07 1400 – Fluid Applied Waterproofing**
- **T1.0 Drawing**
- **C-6 Drawing**
- **C-11 Drawing**
- **C-14 Drawing**
- **C1.1 Drawing**
- **A1.1 Drawing**
- **A4.2 Drawing**

- A5.1 Drawing
- P2.2 Drawing
- P3.1 Drawing
- P3.2 Drawing
- P3.3 Drawing
- E2.2 Drawing
- E2.3 Drawing
- E4.1 Drawing
- E4.2 Drawing
- T1.1 Drawing
- T1.2 Drawing
- UE.1 Drawing

NOTE: Receipt of all addenda must be acknowledged on the Bid Form in order for the proposal to be considered a conforming bid.



Stedmann B. McCollough
McCollough Architecture, Inc.

END OF ADDENDUM #3



AFFIDAVIT OF CONTRACTOR OR DIRECT VENDOR

State of _____

County of _____

Before me, a notary public, personally appeared _____ (print name)
who, being duly sworn, says as follows:

As a condition for the award of any contract, grant, or incentive by City of Orange Beach, I hereby attest that in my capacity as _____ (state position) for _____ (state business entity/employer/contractor name) that said business entity/employer/contractor shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

I further attest that said business entity/employer/contractor is enrolled in the E-Verify program.

(Attach documentation establishing that business entity/employer/contractor is enrolled in the E-Verify Program.)

Signature of Affiant

Sworn to and subscribed before me this _____ day of _____,
20_____.

I certify that the affiant is known (or made known) to me to be the identical party he or she claims to be.

Signature and Seal of Notary Public

My Commission Expires: _____

SECTION 07 1400
FLUID-APPLIED WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fluid-Applied Waterproofing:
 - 1. Polyurethane waterproofing.

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete: Concrete substrate.
- B. Section 04 2000 - Unit Masonry: Masonry joints prepared to receive flashings.
- C. Section 07 9200 - Joint Sealants: Sealing moving joints in waterproofed surfaces that are not part of work in this section.
- D. Section 22 1006 - Plumbing Piping Specialties: Roof drain and plumbing vent flashing flanges.

1.03 ABBREVIATIONS

- A. NRCA - National Roofing Contractors Association.

1.04 REFERENCE STANDARDS

- A. ASTM C836/C836M - Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course; 2018.
- B. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension; 2006a (Reapproved 2013).
- C. ASTM D746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact; 2014.
- D. ASTM D1621 - Standard Test Method for Compressive Properties Of Rigid Cellular Plastics; 2016.
- E. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2015. F. ASTM D4541 - Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers; 2017.
- G. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- H. NRCA (WM) - The NRCA Waterproofing Manual; 2005.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data for membrane, surface conditioner, flexible flashings, joint cover sheet, and joint and crack sealants.
- C. Shop Drawings: Indicate special joint or termination conditions and conditions of interface with other materials.
- D. Certificate: Certify that products meet or exceed specified requirements.
- E. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and acceptable installation temperatures.
- F. Manufacturer's Qualification Statement.
- G. Installer's Qualification Statement.
- H. Warranty:
 - 1. Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
 - 2. Submit installer's certification that installation complies with warranty conditions for the waterproofing membrane.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years documented experience. B. Installer Qualifications:

Company specializing in performing work of the type specified and with at least five years of documented experience and approved by manufacturer.

1.07 MOCK-UP

- A. Construct mock-up consisting of 100 sq ft of horizontal waterproofed panel; to represent finished work including internal and external corners, drainage panel, base flashings, control joints, expansion joints, counterflashings, and protective cover.
- B. Locate where directed.
- C. Mock-up may remain as part of this Work.

1.08 FIELD CONDITIONS

- A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application and until cured.

1.09 WARRANTY

- A. See Section 01 7700 - Closeout Submittals, for additional warranty requirements.
- B. Contractor shall correct defective Work within a five year period after Date of Substantial Completion; remove and replace materials concealing waterproofing at no cost to Owner.
- C. Provide five year manufacturer warranty for waterproofing failing to resist penetration of water, except where such failures are the result of structural failures of building. Hairline cracking of concrete due to temperature change or shrinkage is not considered a structural failure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Polyurethane Waterproofing:
 - 1. AVM Industries, Inc; Aussie Membrane 520: www.avmindustries.com/#sle.
 - 2. Carlisle Coatings & Waterproofing, Inc; CCW-703: www.carlisleccw.com/#sle.
 - 3. Gaco Western; GacoFlex LM60: www.gaco.com/#sle.
 - 4. Karnak Corporation; 192 One-Kote: www.karnakcorp.com/#sle.
 - 5. Tremco Commercial Sealants & Waterproofing; TREMproof 250GC: www.tremcosealants.com/#sle.
 - 6. Substitutions: See Section 01 6000 - Product Requirements.

2.02 WATERPROOFING APPLICATIONS

- A. Polyurethane Waterproofing:
 - 1. Location: Foundation waterproofing as indicated on Drawings.
 - 2. Cover with protection board.

2.03 FLUID APPLIED WATERPROOFING MATERIALS

- A. Polyurethane Waterproofing: Cold-applied one or two component polyurethane, complying with ASTM C836/C836M.
 - 1. Cured Thickness: 60 mils, 0.060 inch, minimum.
 - 2. Suitable for installation over concrete substrates.
 - 3. VOC Content: None.
 - 4. Tensile Strength: 400 psi, measured in accordance with ASTM D412.
 - 5. Ultimate Elongation: 180 percent, measured in accordance with ASTM D412.
 - 6. Durometer Hardness, Type A: 30, minimum, in accordance with ASTM D2240.
 - 7. Permeance: 0.073 perms, measured in accordance with ASTM E96/E96M.
 - 8. Adhesion: Greater than 150 psi, measured in accordance with ASTM D4541.
 - 9. Brittleness Temperature: Based on minus 50 degrees F, measured in accordance with ASTM D746.

2.04 ACCESSORIES

- A. Sealant for Joints and Cracks in Substrate: Type compatible with

- waterproofing material and as recommended by waterproofing manufacturer.
- B. Protection Board: Provide type capable of preventing damage to waterproofing due to backfilling and construction traffic.
1. Polystyrene foam board, 1 inch thick.
 2. Recycled or reclaimed closed-cell foam plastic with non-woven filter fabric cover; 1 inch thick.
 3. Semi-rigid glass fiber board; unaffected by water, freeze-thaw, fungus, or soil bacteria; containing no formaldehyde, phenol, acrylic, or artificial color; 3/4 inch thick, nominal.
 4. Manufacturers:
 - a. Mar-flex Waterproofing & Building Products; Shockwave: www.mar-flex.com/#sle.
 - b. Substitutions: See Section 01 6000 - Product Requirements.
- C. Protection Mat: Polyester mat at 14 oz/sq yd to protect vertical or horizontal waterproofing membranes.
1. Thickness: 100 mils, 0.10 inch, minimum.
 2. Width: 40 inch.
 3. Manufacturers:
 - a. Tremco Commercial Sealants & Waterproofing; Tremco Protection Mat: www.tremcosealants.com/#sle.
 - b. Substitutions: See Section 01 6000 - Product Requirements.
- D. Drainage Panel: Drainage layer with geotextile filter fabric on earth side.
1. Composition: Dimpled polyethylene or polypropylene core; polypropylene or polyester filter fabric.
 2. Thickness: 1/4 inch, minimum.
 3. Core Compressive Strength: 15,000 psf, minimum, in accordance with ASTM D1621
 4. Manufacturers:
 - a. Advanced Building Products, Inc; ABP Advanced Drain, 0.25 inch: www.advancedbuildingproducts.com/#sle.
 - b. American Hydrotech, Inc; Hydrodrain 1000: www.hydrotechusa.com/#sle.
 - c. Epro Services, Inc; ECODRAIN-S: www.eproserv.com/#sle.
 - d. Mar-flex Waterproofing & Building Products; Geomat +: www.mar-flex.com/#sle.
 - e. Tremco Commercial Sealants & Waterproofing; TREMDrain: www.tremcosealants.com/#sle.
 - f. Substitutions: See Section 01 6000 - Product Requirements.
- E. Cant Strips: Premolded composition material.
- F. Counterflashings: As recommended by membrane and protection board manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify substrate surfaces are free of frozen matter, dampness, loose particles, cracks, pits, projections, penetrations, or foreign matter detrimental to adhesion or application of waterproofing system.
- C. Verify that substrate surfaces are smooth, free of honeycomb or pitting, and not detrimental

to full contact bond of waterproofing materials.

D. Verify items that penetrate surfaces to receive waterproofing are securely installed.

3.02 PREPARATION

- A. Protect adjacent surfaces from damage not designated to receive waterproofing.
- B. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions; vacuum substrate clean.
- C. Do not apply waterproofing to surfaces unacceptable to waterproofing manufacturer.
- D. Fill non-moving joints and cracks with a filler compatible with waterproofing materials.
- E. Seal moving cracks with sealant and non-rigid filler, using procedures recommended by sealant and waterproofing manufacturers.
- F. Prepare building expansion joints at locations as indicated on drawings.
- G. Install cant strips at inside corners.

3.03 INSTALLATION

- A. Install waterproofing to specified minimum thickness in accordance with manufacturers instructions and NRCA (WM) applicable requirements.
- B. Apply primer or surface conditioner at a rate recommended by manufacturer, and protect conditioner from rain or frost until dry.
- C. At joints and cracks less than 1/2 inch in width including joints between horizontal and vertical surfaces, apply 12 inch wide strip of joint cover sheet.
- D. At joints from 1/2 inch to 1 inch in width, loop joint cover sheet down into joint between 1-1/4 inch to 1-3/4 inch, and extend sheet at least 6 inches on either side of expansion joint.
- E. Center joint cover sheet over joints, roll sheet into 1/8 inch thick coating of waterproofing material and apply second coat over sheet extending at least 6 inches beyond sheet edges.
- F. Extend membrane over cants and up intersecting surfaces at membrane perimeter minimum 6 inches above horizontal surface for first ply and ____ inches at subsequent plies laid in shingle fashion.
- G. Apply extra thickness of waterproofing material at corners, intersections, and angles.
- H. Flexible Flashings: Seal items watertight that penetrate through waterproofing membrane with flexible flashings.
- I. Extend waterproofing material and flexible flashing into drain clamp flange, apply adequate coating of liquid membrane to ensure clamp ring seal, and coordinate with drain installation requirements specified.
- J. Seal membrane and flashings to adjoining surfaces.
 - 1. Install termination bar along edges.
 - 2. Install counterflashing over exposed edges.

3.04 INSTALLATION - DRAINAGE PANEL AND PROTECTION BOARD

- A. Place drainage panel directly against membrane, butt joints, place to encourage drainage downward, and scribe and cut boards around projections, penetrations, and interruptions.
- B. Place protection board directly against drainage panel; butt joints, and scribe and cut boards around projections, penetrations, and interruptions.
- C. Adhere protection board to substrate with compatible adhesive.

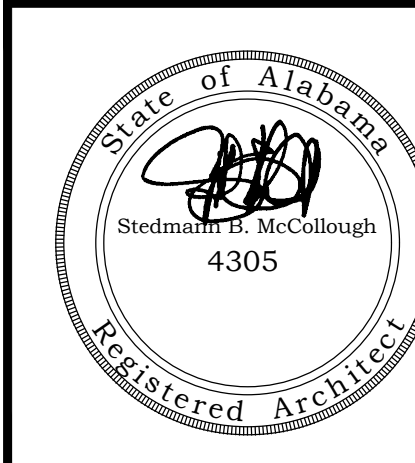
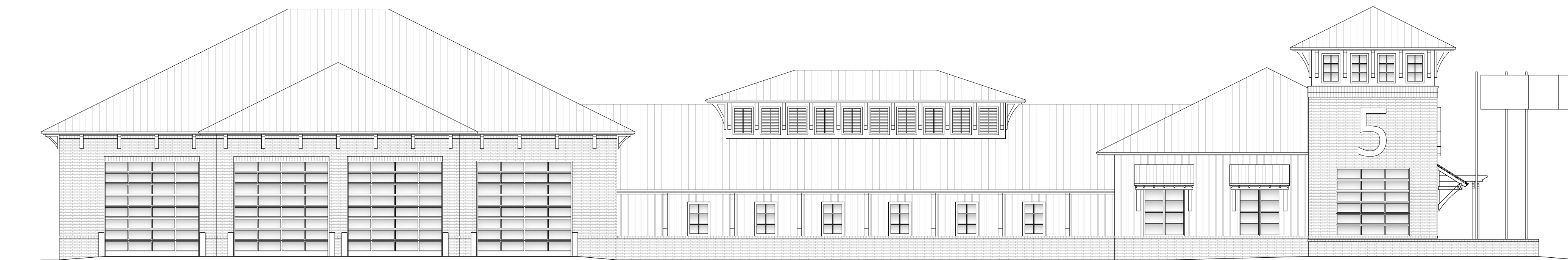
3.05 PROTECTION

- A. Protect waterproofing system from damage until backfill is complete.

END OF SECTION

A NEW FIRE STATION FOR ORANGE BEACH

BID DOCUMENTS - NOVEMBER 01, 2021



ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA

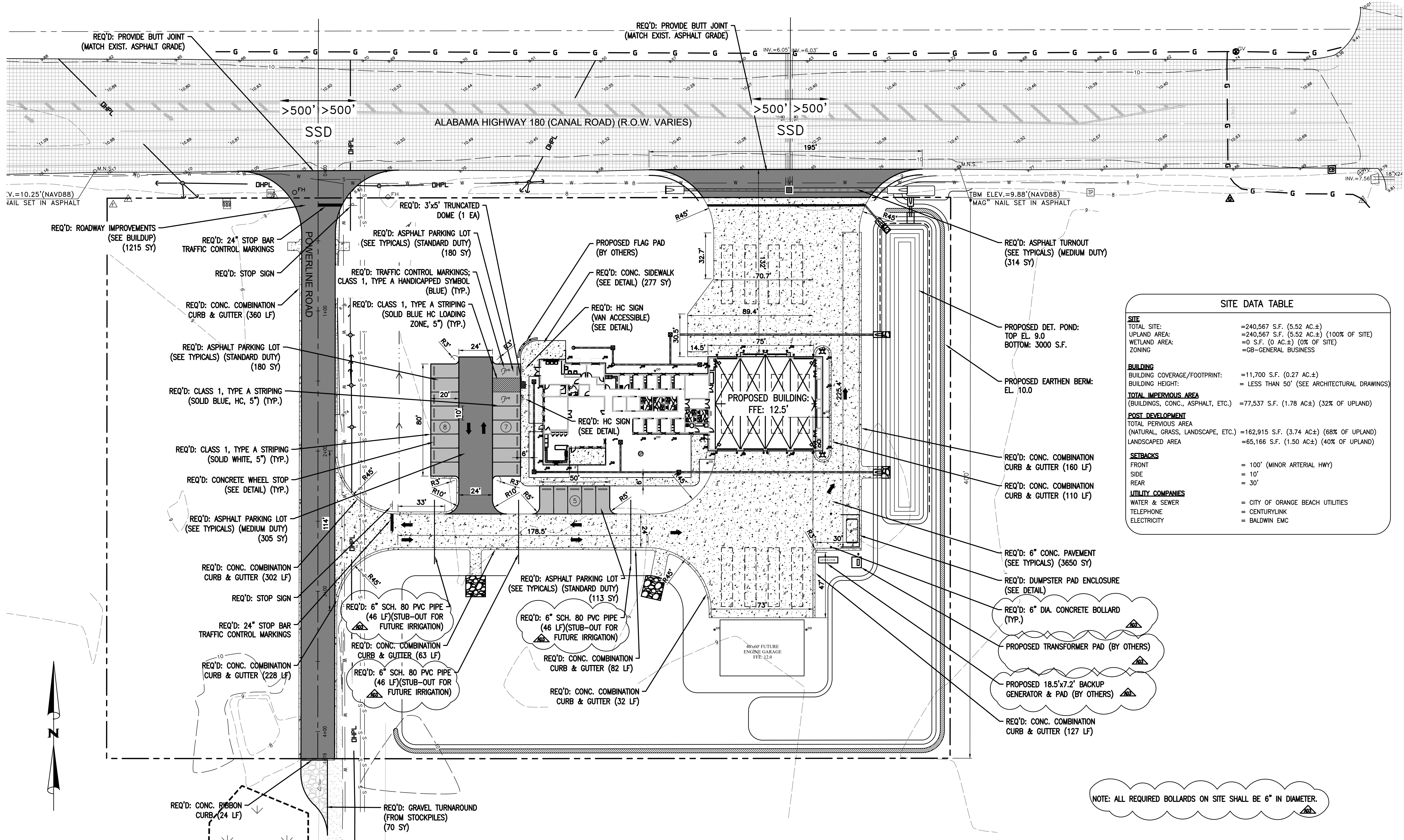
GENERAL NOTES:	
1.	ALL PRODUCTS, MATERIALS, AND CONSTRUCTION SHALL BE PROVIDED AND/OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS, GUIDELINES, AND/OR INDUSTRY STANDARDS.
2.	THE INTENT OF THESE DRAWINGS IS TO PROVIDE THE BUILDER WITH GENERAL GUIDELINES FOR THE SOUND CONSTRUCTION OF THE STRUCTURE INDICATED WITHIN. DEVIATIONS FROM THESE DRAWINGS ARE THE BUILDERS RISK UNLESS APPROVED IN WRITING OR WITH SUPPLEMENTAL DRAWINGS FROM THE ARCHITECT.
3.	IT IS RECOMMENDED THAT THE SERVICES OF A REGISTERED LAND SURVEYOR BE EMPLOYED FOR THE PROPER PLACEMENT OF THE STRUCTURE IN RELATION TO PROPERTY LINES, SETBACK LINES, EASEMENTS, ETC.
4.	CONTRACTOR TO SECURE AND PAY FOR ALL NECESSARY FEES AND PERMITS FOR CONSTRUCTION, ELECTRICAL, AND PLUMBING INSPECTORS, ETC.
5.	DO NOT SCALE DRAWINGS!!! DIMENSIONS OR LINEAR MEASUREMENTS TAKE PRECEDENCE OVER NOTED DIMENSIONS.
6.	DIMENSIONS INDICATED ON DRAWINGS ARE TO FACE OF STUDS.
7.	THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INDICATED WITHIN THESE DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY VARIATION PRIOR TO THE PURCHASING OF ANY MATERIALS, STARTING FABRICATION, OR BEGINNING CONSTRUCTION
8.	PROVIDE TEMPORARY SETTLING BASINS, HAY BALES, AND OTHER METHODS AS APPROPRIATE TO FILTER WATER AT ALL AREAS WHERE STORM WATER LEAVES THE PROJECT. CLEAN UP ALL SOIL WHICH FLOWS OFF SITE AT THE END OF THE DAY.
9.	ALL EXISTING SITE CONDITIONS ARE TO BE VERIFIED BY CONTRACTOR BEFORE START OF CONSTRUCTION.
10.	PROVIDE CHEMICAL BARRIER TO BUILDING FROM SUBTERRANEAN TERMITE ATTACK.
11.	NO QUALIFYING STATEMENTS OR EXCEPTIONS TO PLANS OR NOTES TO BE ALLOWED.
12.	ALL WORK RELATED DEBRIS SHALL BE REMOVED FROM THE SITE REGULARLY AND PROPERLY.
13.	THE CONTRACTOR SHALL LEAVE ALL AREAS AND FINISHED SPACES IN A CLEAN AND ACCEPTABLE CONDITION AT THE PROJECT COMPLETION.
14.	ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY w/ OSHA REQUIREMENTS.
15.	ALL NEW CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND RESTRICTIVE ORDINANCES FOR CONSTRUCTION, ELECTRICAL, PLUMBING, AND MECHANICAL.
16.	ALL PRODUCTS, MATERIALS AND CONSTRUCTION SHALL BE PROVIDED AND/OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS, GUIDELINES, AND/OR INDUSTRY STANDARDS.

DRAWING INDEX	
SHEET NO.	SHEET TITLE
T1.0	TITLE SHEET & GENERAL NOTES
CIVIL	
C-1	TITLE
C-2	PROJECT NOTES
C-3	EXISTING CONDITIONS
C-4	TYPICAL SECTIONS
C-5	TYPICAL SECTIONS
C-6	GEOMETRY PLAN
C-7	JOINT PLAN
C-8	GRADING PLAN
C-9	DRAINAGE PLAN
C-10	POWERLINE ROAD PLAN & PROFILE
C-11	UTILITY PLAN
C-12	EROSION CONTROL PLAN
C-13	CIVIL CONSTRUCTION DETAILS
C-14	CIVIL CONSTRUCTION DETAILS
C-15	CIVIL CONSTRUCTION DETAILS
C-16	ALDOT DETAILS
C-17	ALDOT DETAILS
C-18	SEWER DETAILS
C-19	WATER DETAILS
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S3.0	SECTION DETAILS
S4.0	SECTION DETAILS
S5.0	DETAILS
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A1.0	NOTES, LEGENDS & ADA DETAILS
A1.1	FLOOR PLAN
A1.2	ROOF PLAN
A2.1	SCHEDULES AND DETAILS
A2.2	ROOM FINISH SCHEDULE
A3.1	EXTERIOR ELEVATIONS
A4.1	BUILDING SECTIONS
A4.2	WALL SECTIONS
A5.1	INTERIOR ELEVATIONS & ENLARGED BATH DETAILS
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P2.1	PLUMBING PLAN SHEET 1 OF 2
P2.2	PLUMBING PLAN SHEET 2 OF 2
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P3.2	SANITARY PLAN SHEET 2 OF 2
P3.3	SANITARY RISER
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M1.1	NOTES, DETAILS AND LEGENDS
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M2.2	HVAC PLAN SHEET 2 OF 2

ELECTRICAL	
E1.1	LEGENDS, NOTES AND ABBREVIATIONS
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E2.2	POWER PLAN SHEET 2 OF 2
E2.3	ENLARGED PLANS AND DETAILS
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E3.2	LIGHTING PLAN SHEET 2 OF 2
E4.1	PANEL SCHEDULES AND RISER DIAGRAM
E4.2	PANEL SCHEDULES
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T1.2	TELECOMMUNICATIONS PLAN SHEET 2 OF 2
T1.3	TELECOMMUNICATIONS DETAILS
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F1.1	LEGENDS AND NOTE AND DETAILS
F2.1	FIRE HAZARD PLAN SHEET 1 OF 2
F2.2	FIRE HAZARD PLAN SHEET 2 OF 2
F3.1	FIRE ALARM PLAN SHEET 1 OF 2
F3.2	FIRE ALARM PLAN SHEET 2 OF 2
UTILITIES	
UE-1	UTILITIES SITE PLAN
ALERTING SYSTEM	
FSAS 1	SUMMARY PAGE
FSAS 2	1ST FLOOR PLAN
FSAS 3	APPARATUS BAY

APPLICABLE BUILDING CODES	
LOCAL OFFICIAL HAVING JURISDICTION IS ORANGE BEACH, ALABAMA	
2018	INTERNATIONAL RESIDENTIAL CODE
2018	INTERNATIONAL FUEL GAS CODE
2018	INTERNATIONAL MECHANICAL CODE
2018	INTERNATIONAL PLUMBING CODE
2018	INTERNATIONAL BUILDING CODE
2017	NATIONAL ELECTRICAL CODE

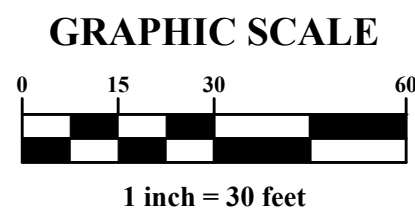
JOB NO.:	
DRAWN:	CLT
CHECKED:	SBM
DATE:	2021.11.01
REVISION:	
ADDENDUM 3 - 2022.01.11 CIVIL SHEET NUMBERS	
SCALE:	
SHEET NO.:	T1.0
TITLE SHEET	



SITE DATA TABLE	
SITE	
TOTAL SITE:	=240,567 S.F. (5.52 AC.±)
UPLAND AREA:	=240,567 S.F. (5.52 AC.±) (100% OF SITE)
WETLAND AREA:	=0 S.F. (0 AC.±) (0% OF SITE)
ZONING:	=GB-GENERAL BUSINESS
BUILDING	
BUILDING COVERAGE/FOOTPRINT:	=11,700 S.F. (0.27 AC.±)
BUILDING HEIGHT:	= LESS THAN 50' (SEE ARCHITECTURAL DRAWINGS)
TOTAL IMPERVIOUS AREA	
(BUILDINGS, CONC., ASPHALT, ETC.):	=77,537 S.F. (1.78 AC.±) (32% OF UPLAND)
POST DEVELOPMENT	
TOTAL PERVIOUS AREA	
(NATURAL, GRASS, LANDSCAPE, ETC.):	=162,915 S.F. (3.74 AC.±) (68% OF UPLAND)
LANDSCAPED AREA	=65,166 S.F. (1.50 AC.±) (40% OF UPLAND)
SETBACKS	
FRONT	= 100' (MINOR ARTERIAL HWY)
SIDE	= 10'
REAR	= 30'
UTILITY COMPANIES	
WATER & SEWER	= CITY OF ORANGE BEACH UTILITIES
TELEPHONE	= CENTURYLINK
ELECTRICITY	= BALDWIN EMC

NOTE: ALL REQUIRED BOLLARDS ON SITE SHALL BE 6" IN DIAMETER.

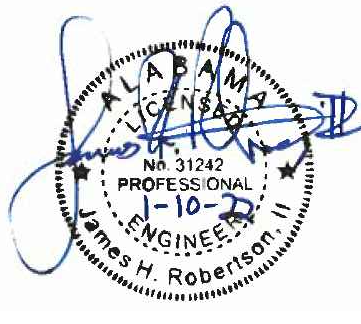
NUMBER:	REVISION:	DATE:
1	CHANGED BOLLARD DIAMETER TO 6"	1/11/22
2	RELOCATED GENERATOR AND TRANSFORMER PAD	1/11/22
3	ADDED FUTURE IRRIGATION CONNECTIONS	1/11/22



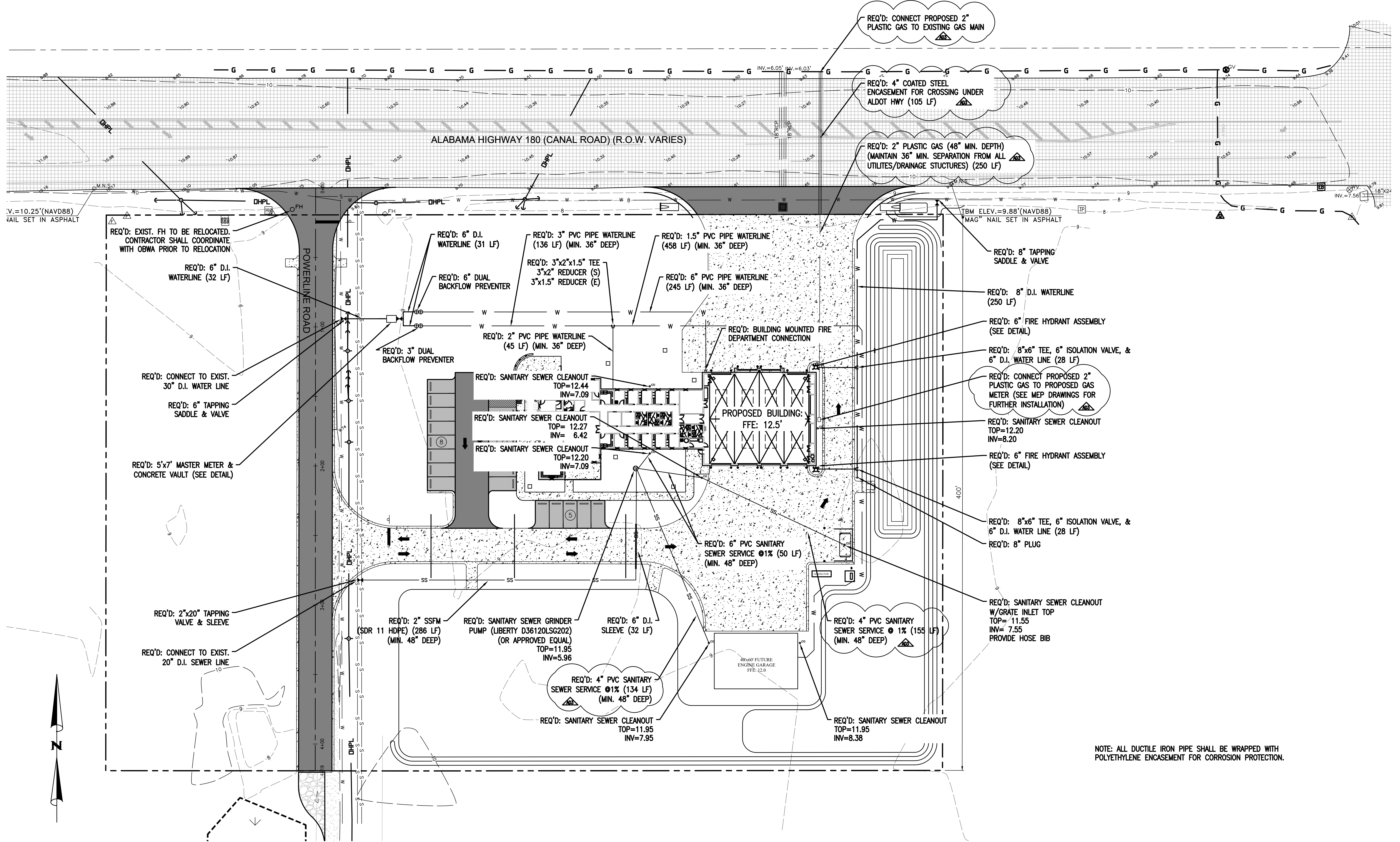
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT

30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

GEOMETRY PLAN
 FIRE STATION NO. 5
 CITY OF ORANGE BEACH

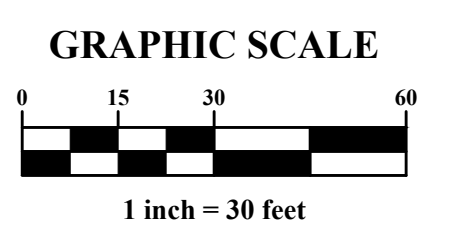


SCALE: 1"=30'
DATE: NOVEMBER, 2021
DRAWN BY: JNF
CHECKED BY: JHR
SHEET: 6 OF 20



NOTE: ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITH POLYETHYLENE ENCASEMENT FOR CORROSION PROTECTION.

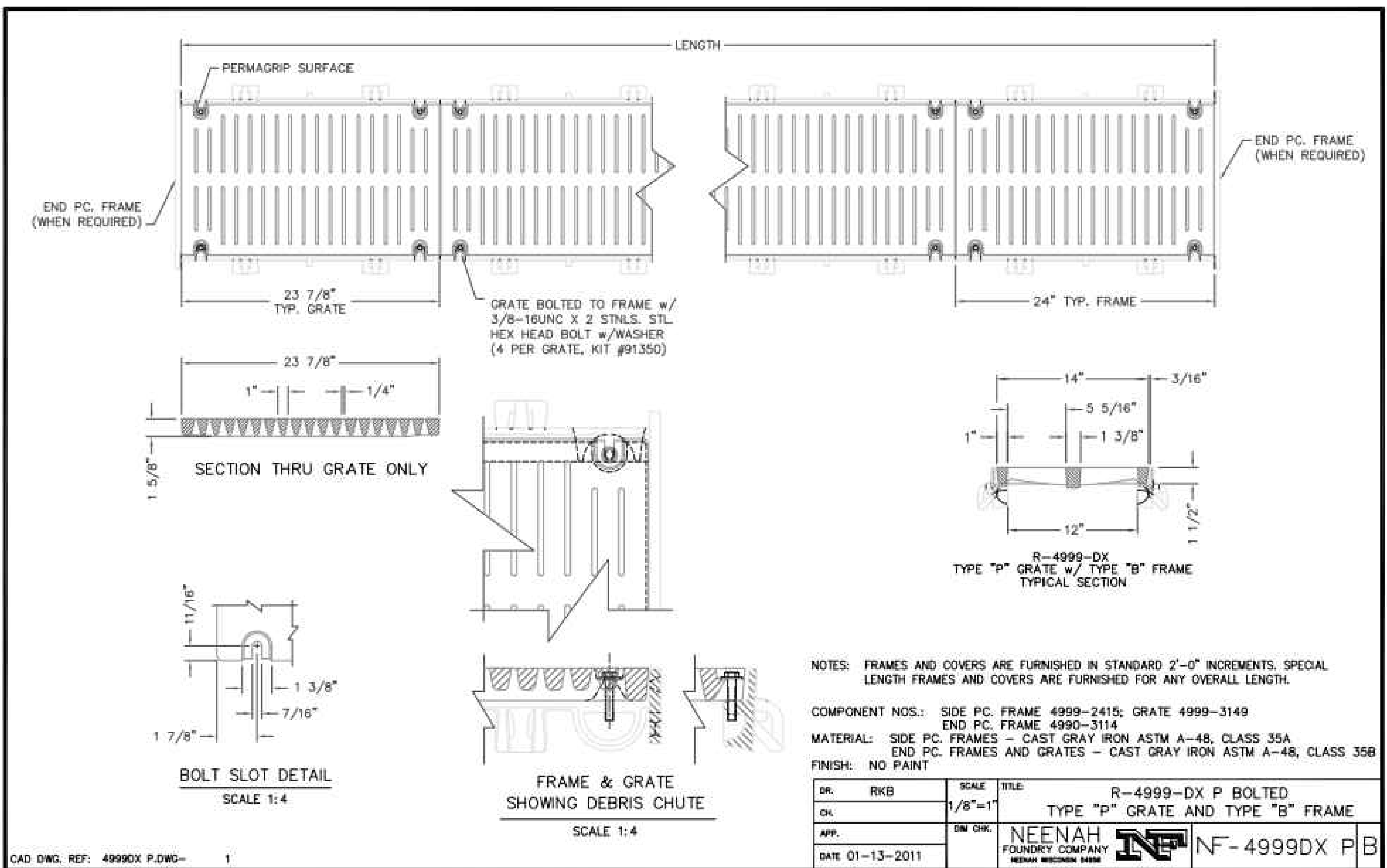
NUMBER:	REVISION:	DATE:
1	CHANGED SANITARY SEWER SERVICE FROM 2" TO 4" (DUMPSTER & GARAGE)	1/11/22
2	INCLUDED 2" GAS LINE INSTALLATION (FROM R/W TO METER)	1/11/22



UTILITY PLAN
 FIRE STATION NO. 5
 CITY OF ORANGE BEACH

SCALE: 1"=30'
 DATE: NOVEMBER, 2021
 DRAWN BY: JNF
 CHECKED BY: JHR
 SHEET: 11 OF 20

DWG: INFO: SA - CLIENT: V1 - 054 - ORANGE BEACH FIRE STATION - CITY OF ORANGE BEACH - ENGINEERING PRODUCTION - DWG'S BASE - 8-23-21 DWG - 1/11/2022 2:07:59 PM



NOTES: FRAMES AND COVERS ARE FURNISHED IN STANDARD 2'-0" INCREMENTS. SPECIAL LENGTH FRAMES AND COVERS ARE FURNISHED FOR ANY OVERALL LENGTH.

COMPONENT NOS.: SIDE PC. FRAME 4999-2415; GRATE 4999-3149
 END PC. FRAME 4990-3114

MATERIAL: SIDE PC. FRAMES - CAST GRAY IRON ASTM A-48, CLASS 35A
 END PC. FRAMES AND GRATES - CAST GRAY IRON ASTM A-48, CLASS 35B

FINISH: NO PAINT

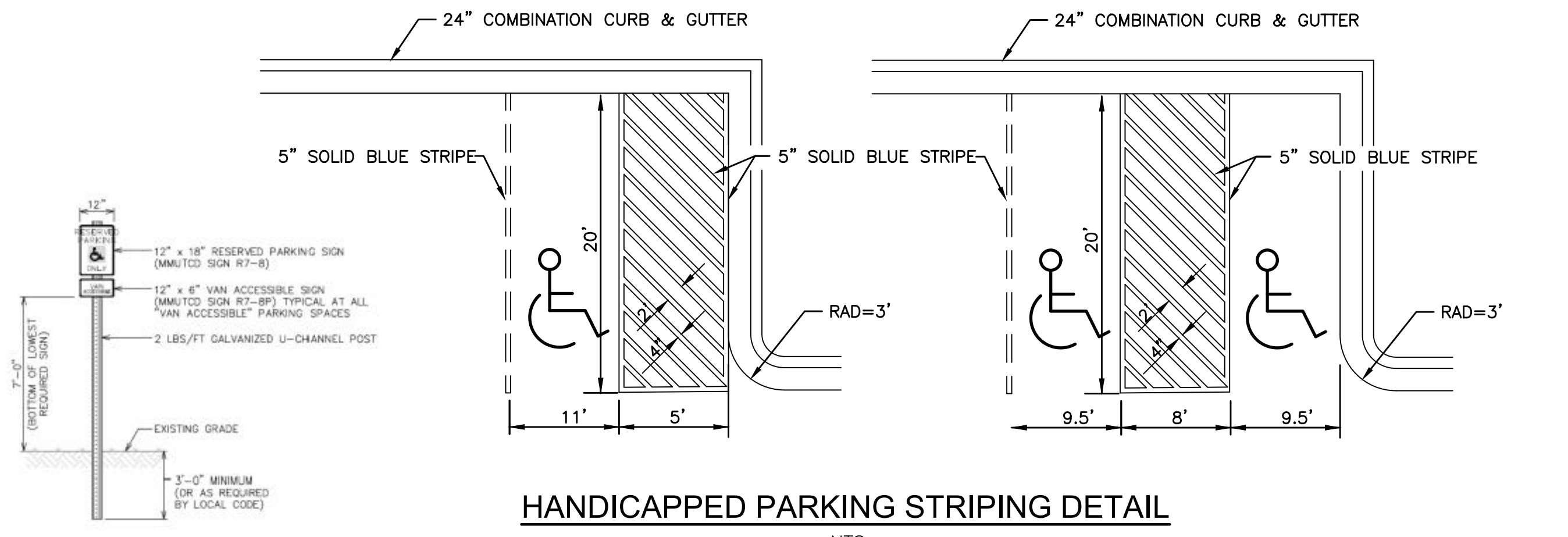
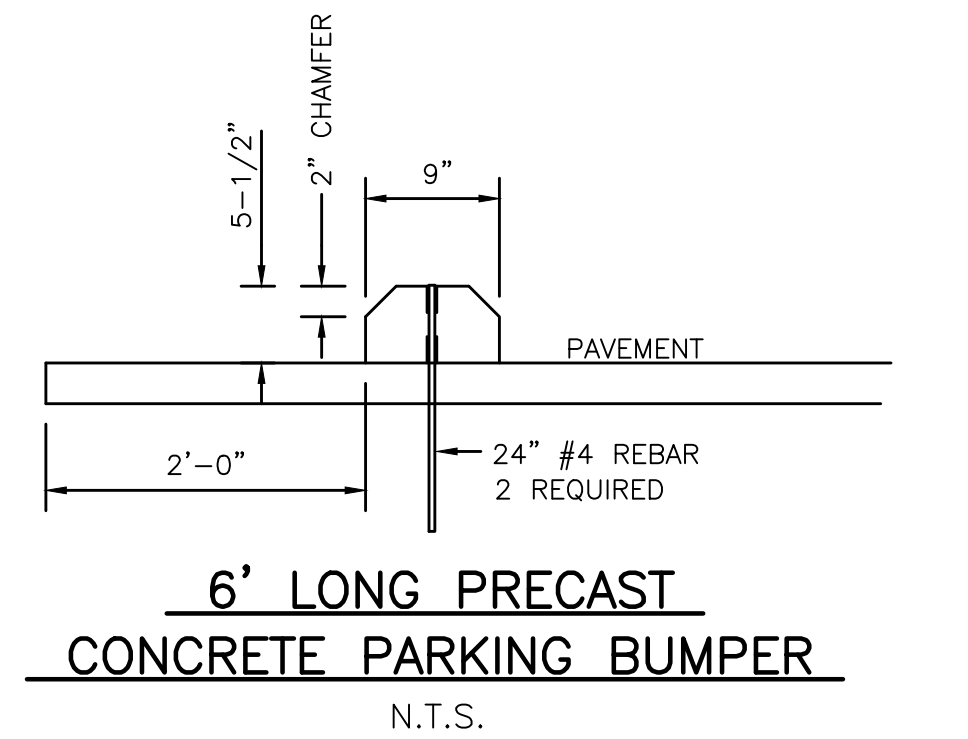
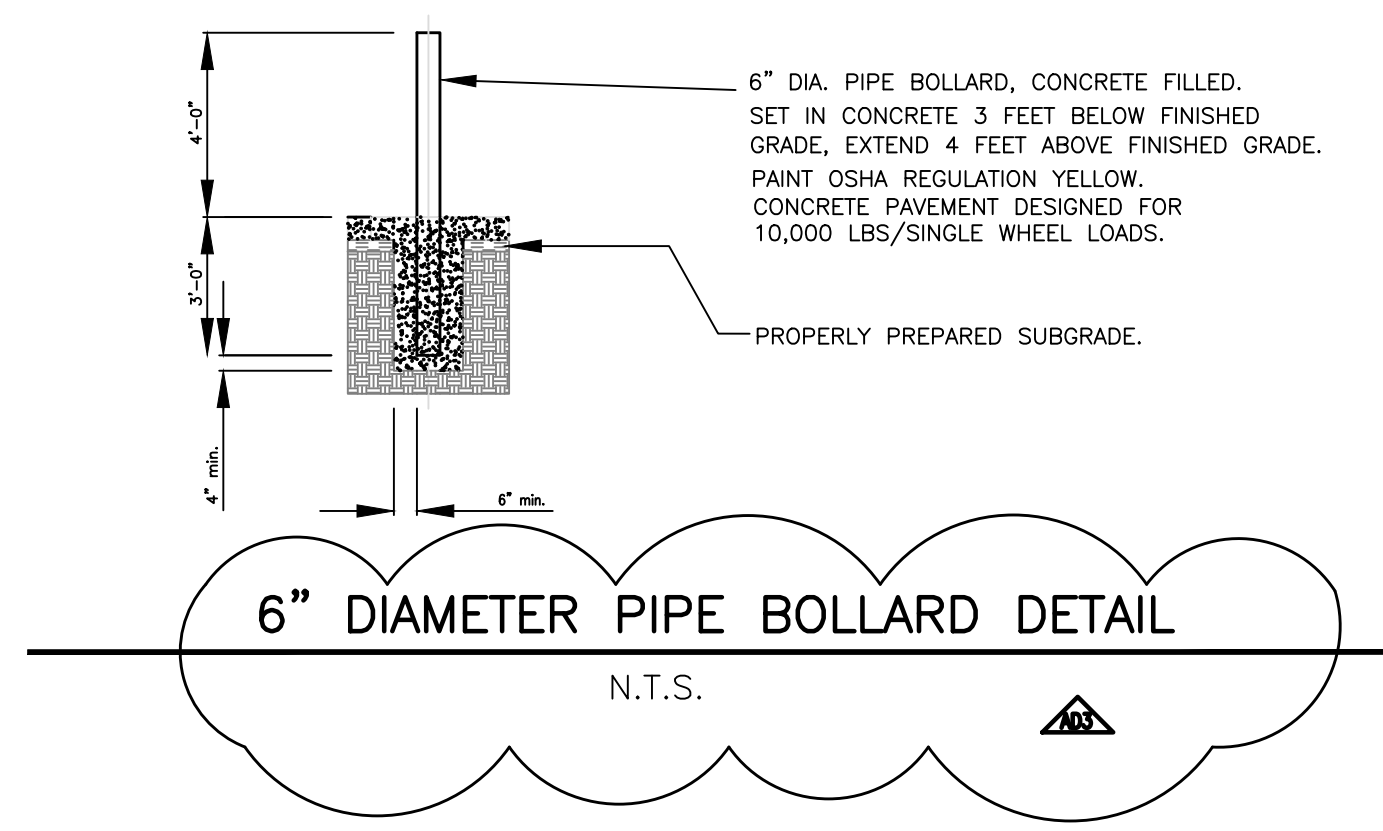
DR.: RKB **SCALE:** 1/8"=1' **TITLE:** R-4999-DX P BOLTED TYPE "P" GRATE AND TYPE "B" FRAME

CH.: **APP.:** **DATE:** 01-13-2011

NEENAH FOUNDRY COMPANY
 NEENAH MICHIGAN 48049

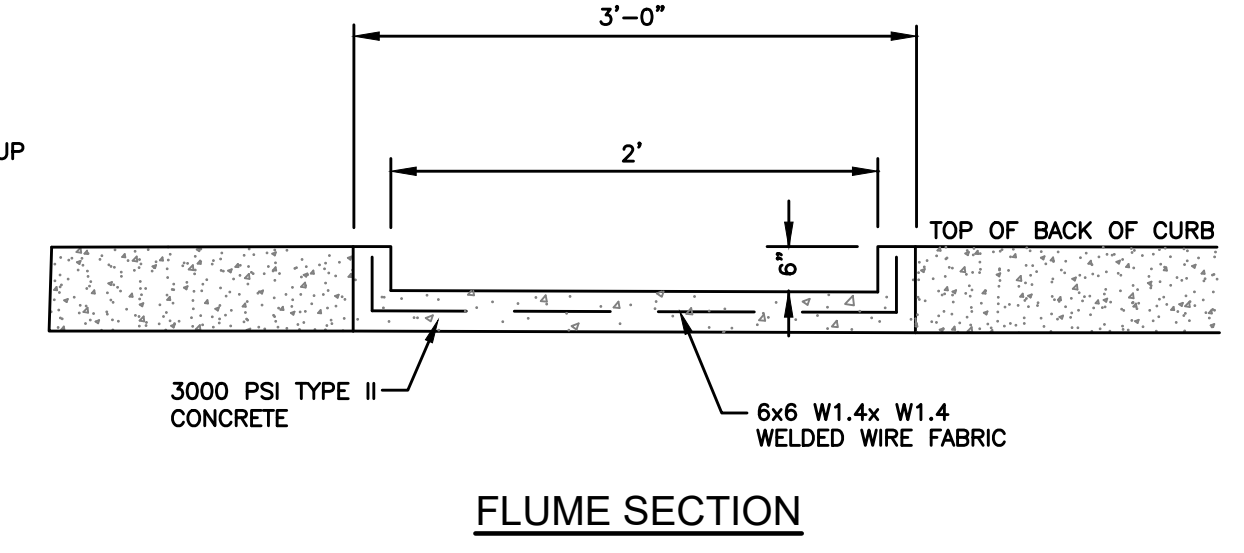
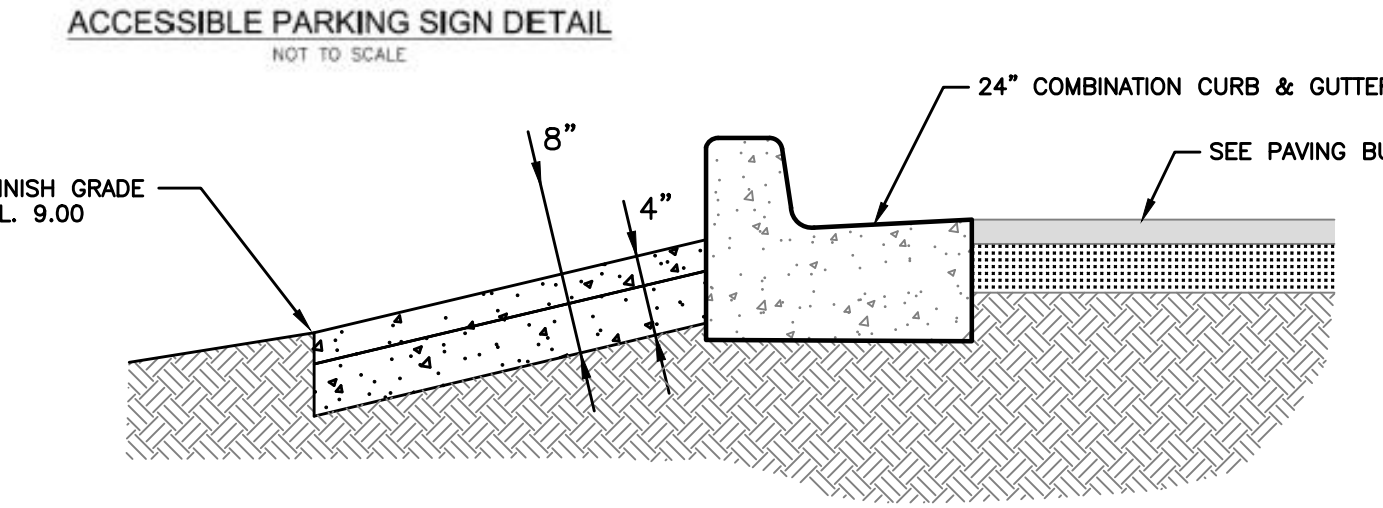
INF-4999DX P/B

CAD DWG. REF: 4999DX P.DWG- 1



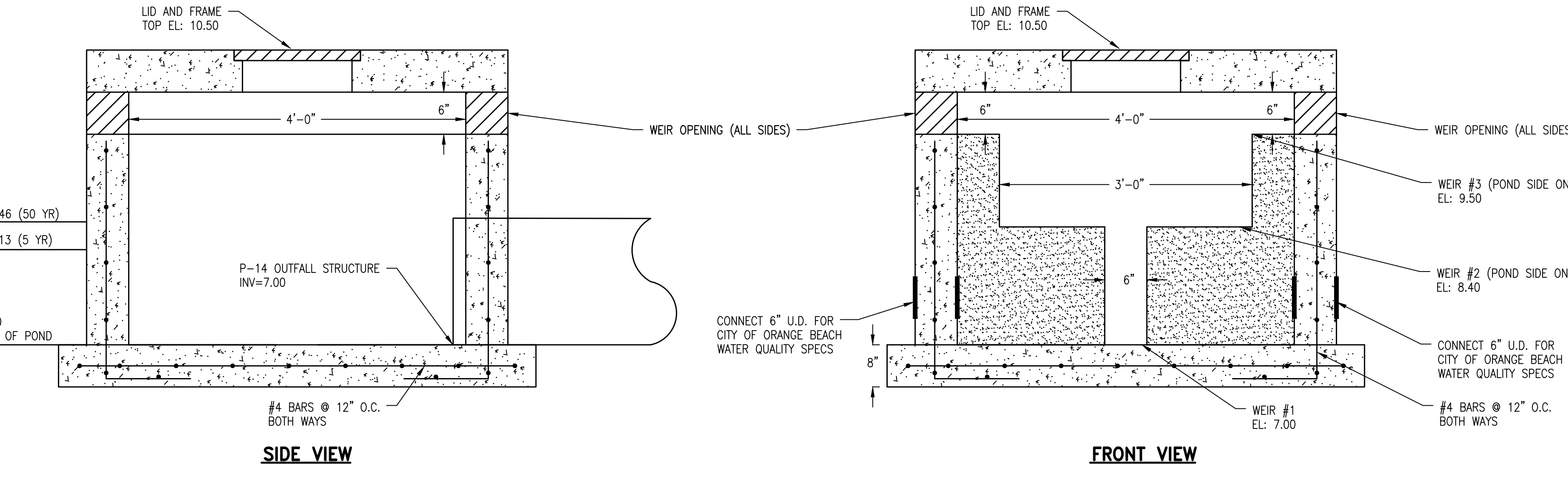
NOTES:
 1. ONE REQUIRED AT EACH ACCESSIBLE PARKING SPACE.
 2. WHERE ACCESSIBLE SPACES FACE EACH OTHER WITHOUT WALKWAY, THERE SHALL BE ONE POST WITH SIGNS MOUNTED ON BOTH SIDES.
 3. SIGNS SHALL BE MOUNTED TO POST WITH GALVANIZED OR CADIUM PLATED 5/16\"/>

NOTE:
 PARKING STRIPING SHALL BE DONE PER THE REQUIREMENTS OF ALDOT ITEM 701-A SOLID WHITE CLASS 1, TYPE A, 5\"/>



FLUME SIDE VIEW

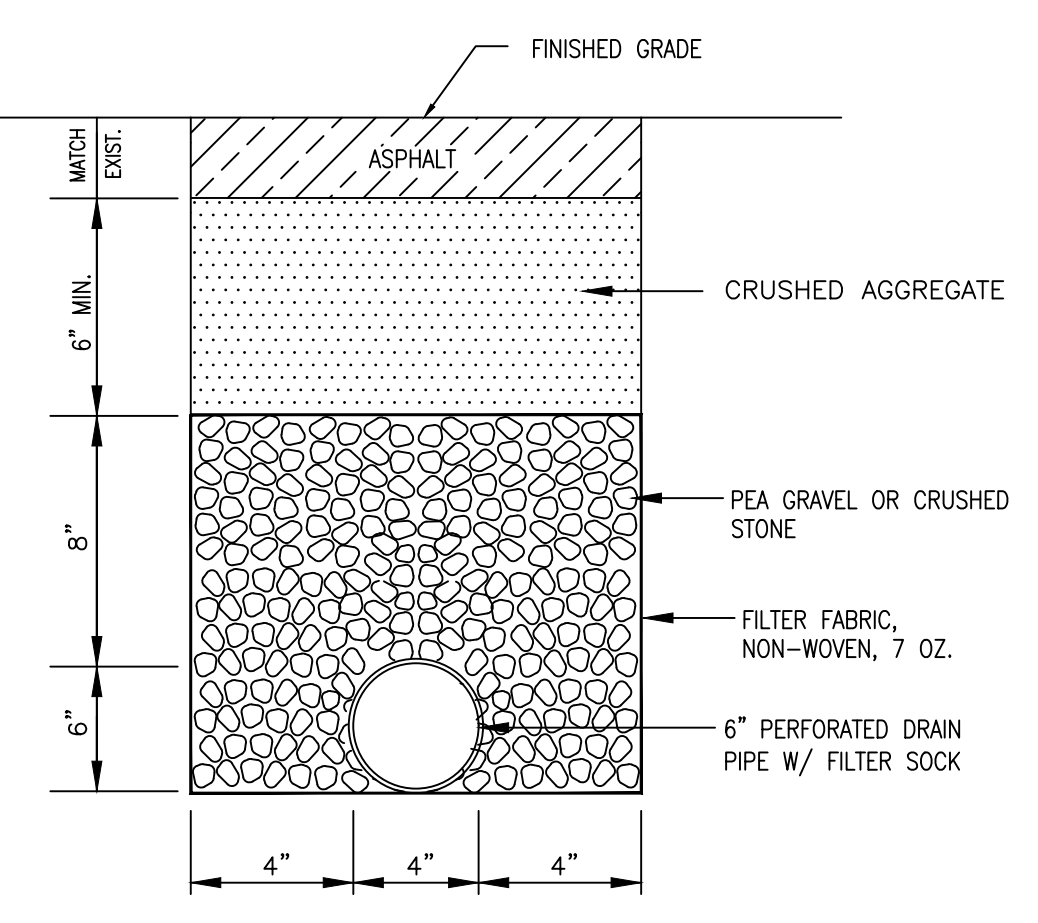
TYPICAL FLUME DETAIL



CONCRETE OUTFALL STRUCTURE
 N.T.S.

DETENTION POND CALCULATIONS

EVENT	PRE (CFS)	POST (CFS)	ELEVATION (FEET)
2-YR	2.70	0.79	8.02
5-YR	3.25	1.01	8.13
10-YR	3.70	1.21	8.22
25-YR	4.38	1.52	8.35
50-YR	4.92	1.78	8.46



**DETAIL OF 6\"/>
 N.T.S.**

DWG INFO: SA - CLIENTS: V - 054 - ORANGE BEACH FIRE STATION - CITY OF ORANGE BEACH ENGINEERING PRODUCTION - DWG'S TITLE: NOTES - DETAILS DWG - 1/10/2022 - 2:46:38 PM

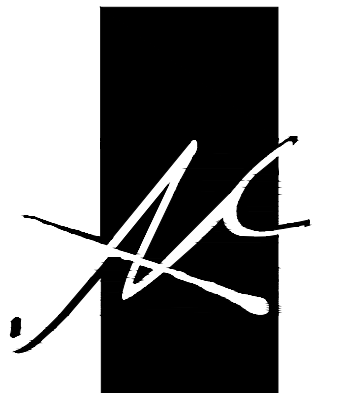
NUMBER:	REVISION:	DATE:
1	CHANGED BOLLARD DIAMETER TO 6"	1/11/22

Sawgrass
 ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
 30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

CIVIL CONSTRUCTION DETAILS
FIRE STATION NO. 5
CITY OF ORANGE BEACH

SCALE: N.T.S.
 DATE: NOVEMBER, 2021
 DRAWN BY: JNF
 CHECKED BY: JHR
 SHEET: 14 OF 20

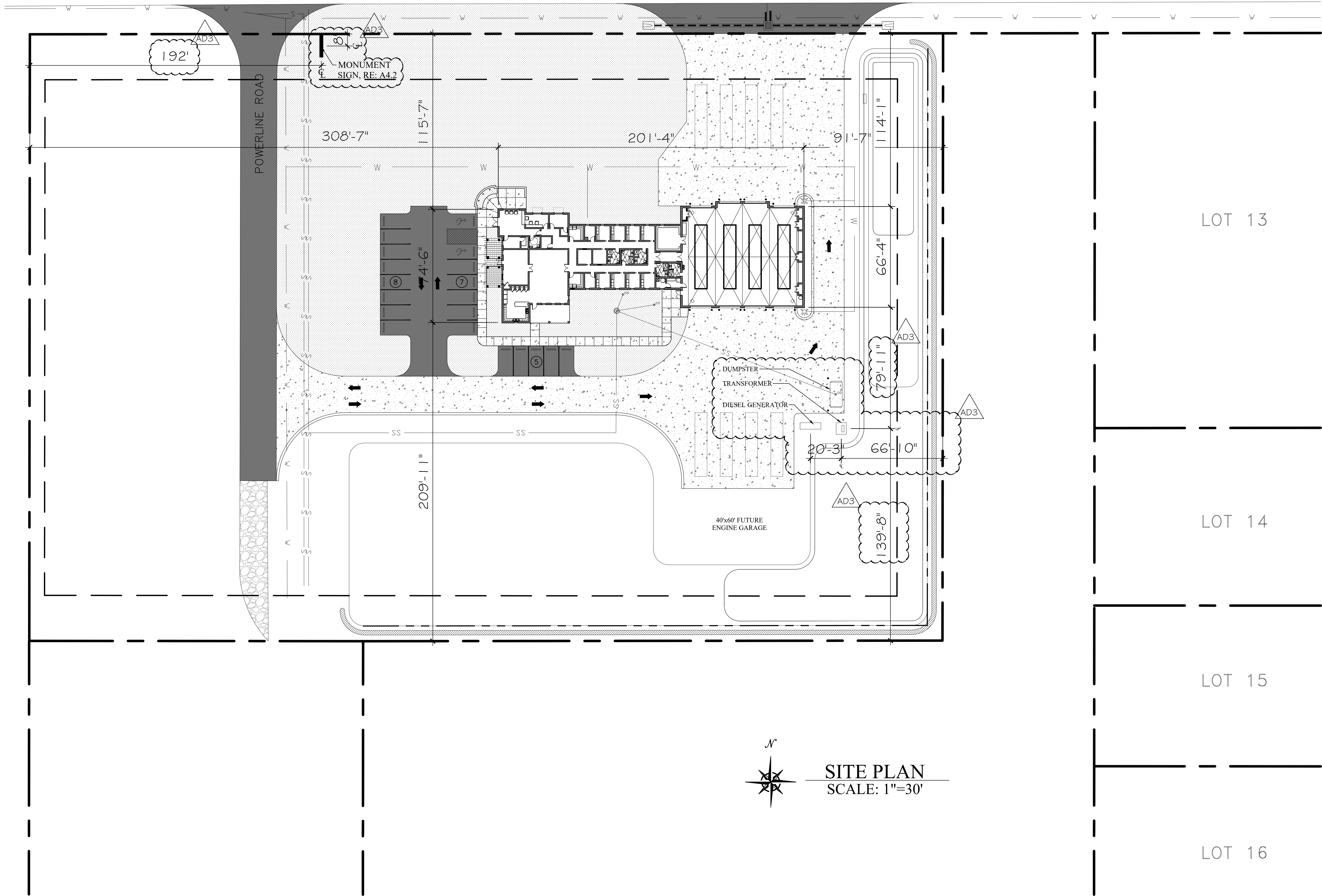
ALABAMA HIGHWAY 180 (CANAL ROAD) (R.O.W. VARIES)



McCOLLOUGH ARCHITECTURE, INC.
P.O. BOX 6310
GULF SHORES, ALABAMA 36547-6310
PHONE: 251-968-7222



ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH ALABAMA



SITE PLAN
SCALE: 1"=30'

JOB NO.:
DRAWN: CLT
CHECKED: SBM
DATE: 2021.11.01
REVISION:
ADDENDUM 3 - 2022.01.11

SCALE: 1" = 30'

SHEET NO.:

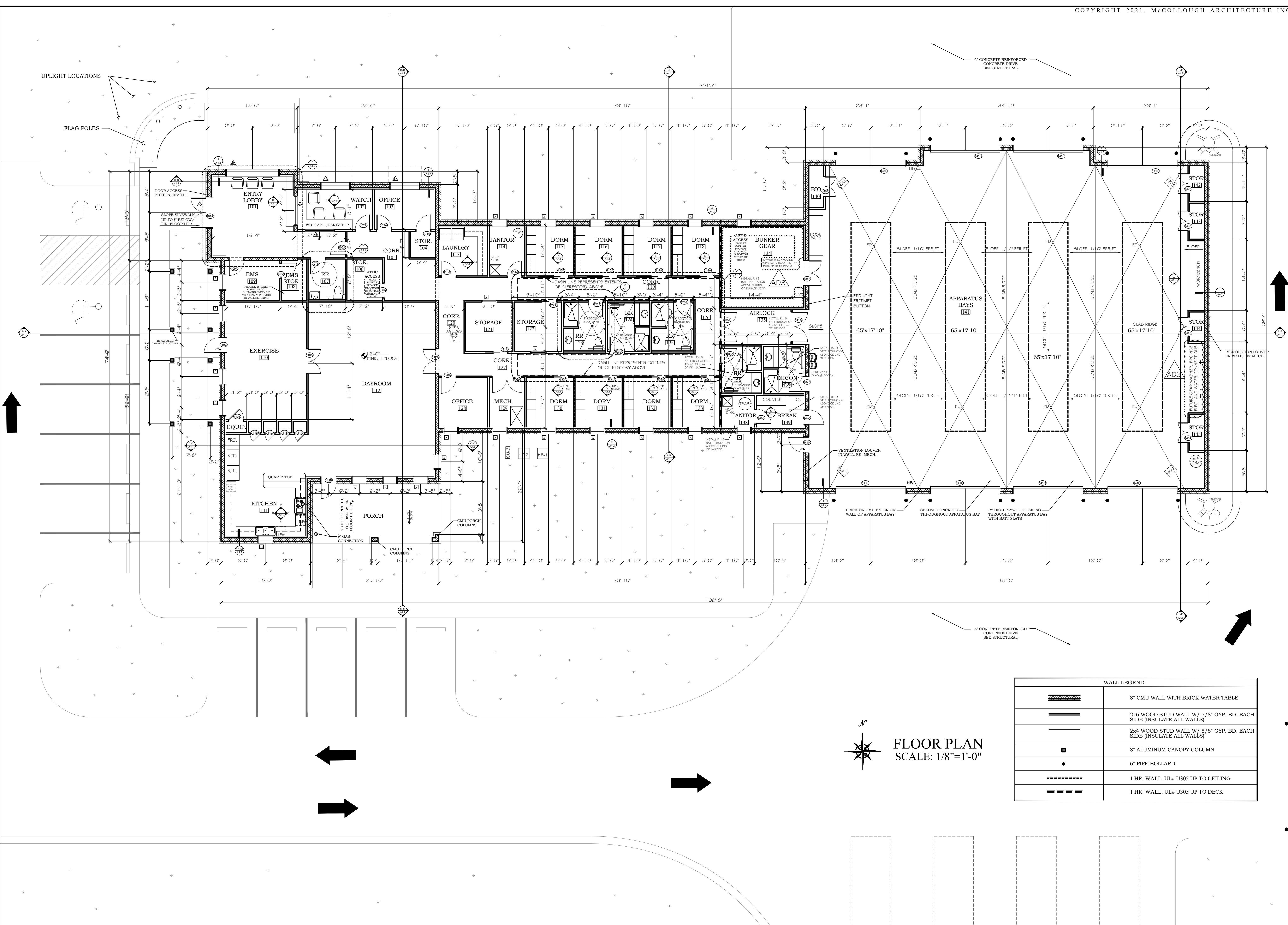
C1.1

SITE PLAN



**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA**

JOB NO.:	
DRAWN:	CLT
CHECKED:	SBM
DATE:	2021.11.01
REVISION:	
ADD	ADDENDUM 2 - 2022.01.07
ADD	ADDENDUM 3 - 2022.01.11
SCALE:	1/8" = 1'-0"
SHEET NO.:	A1.1
FLOOR PLAN	

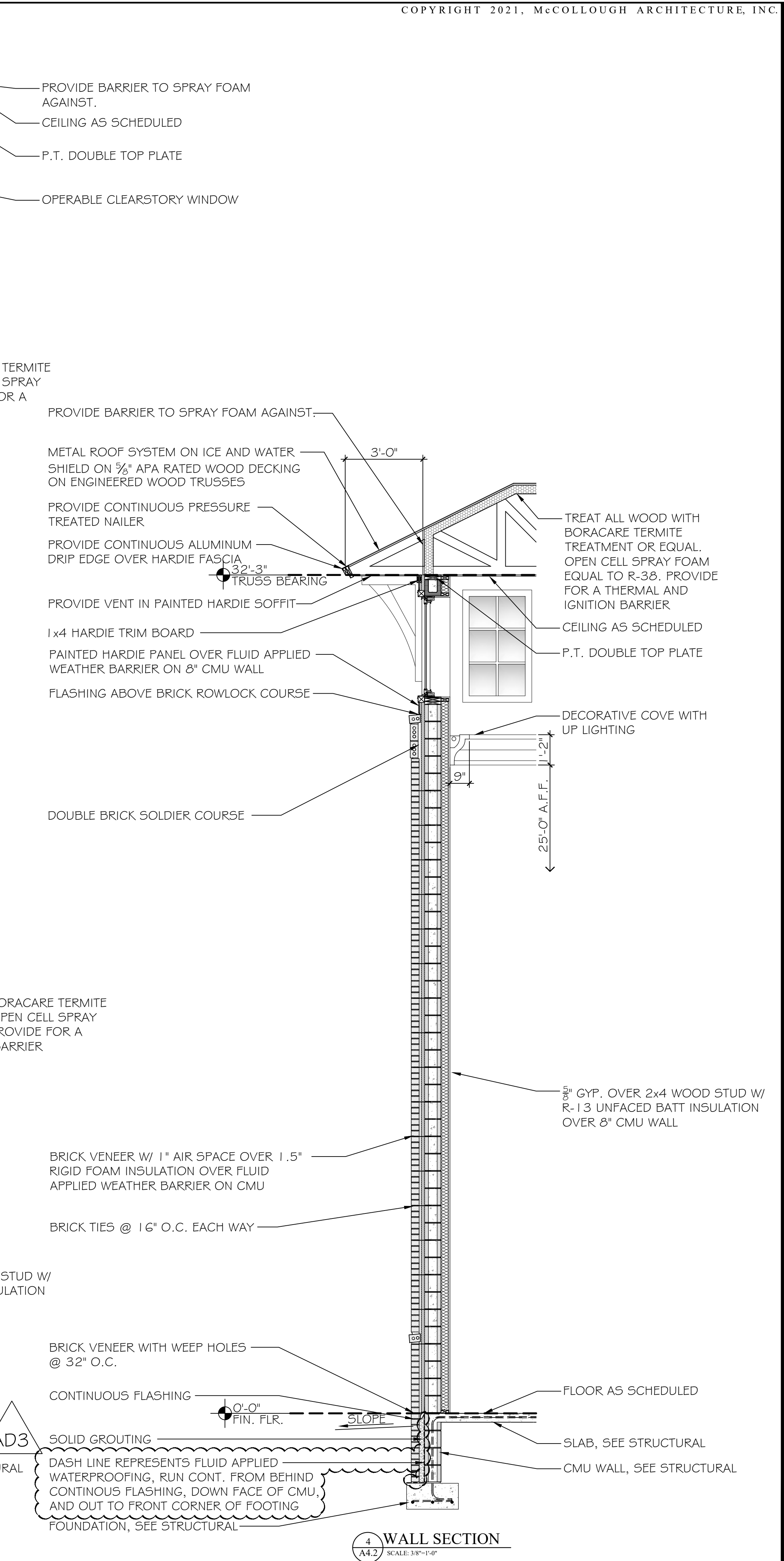
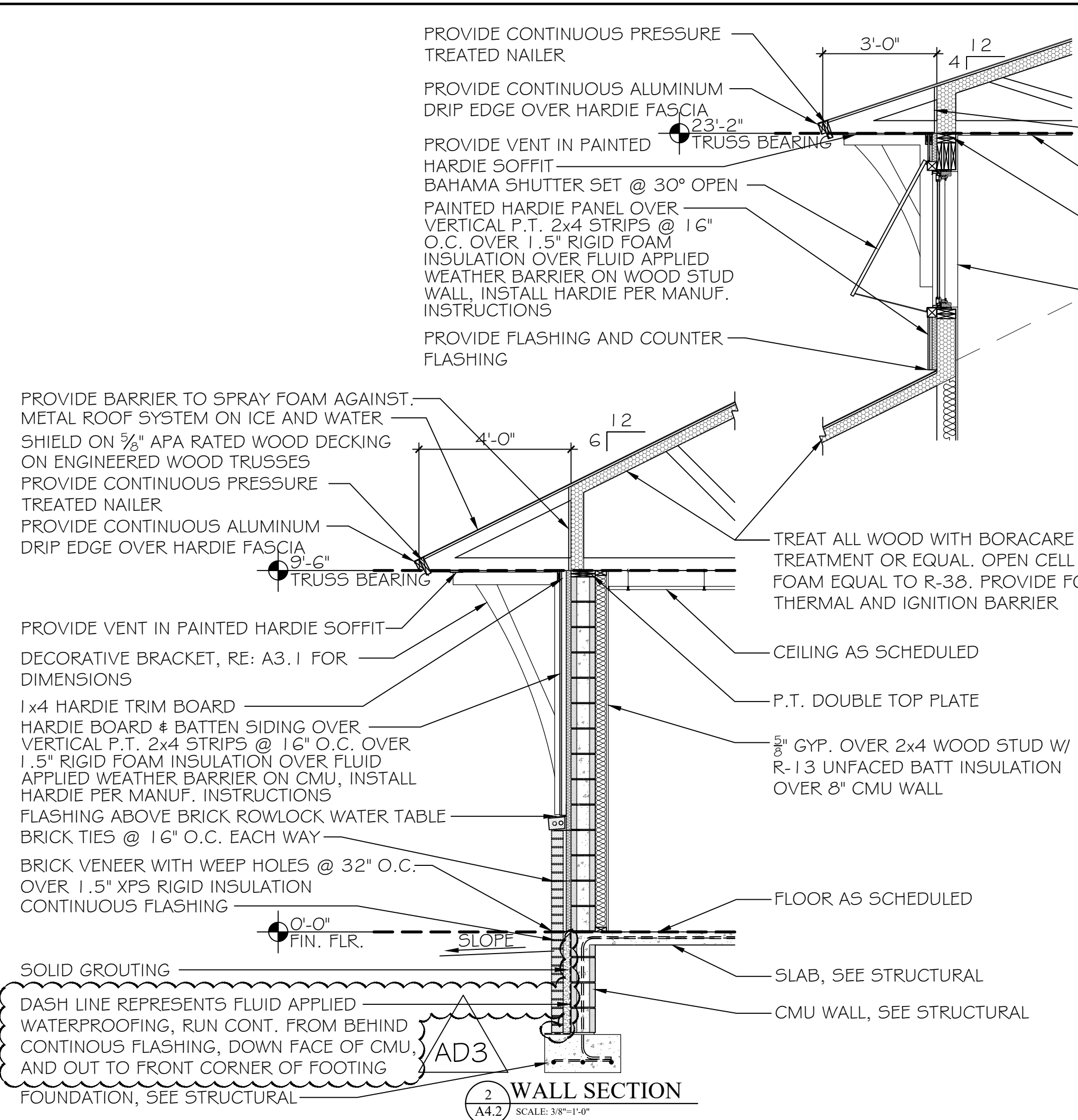
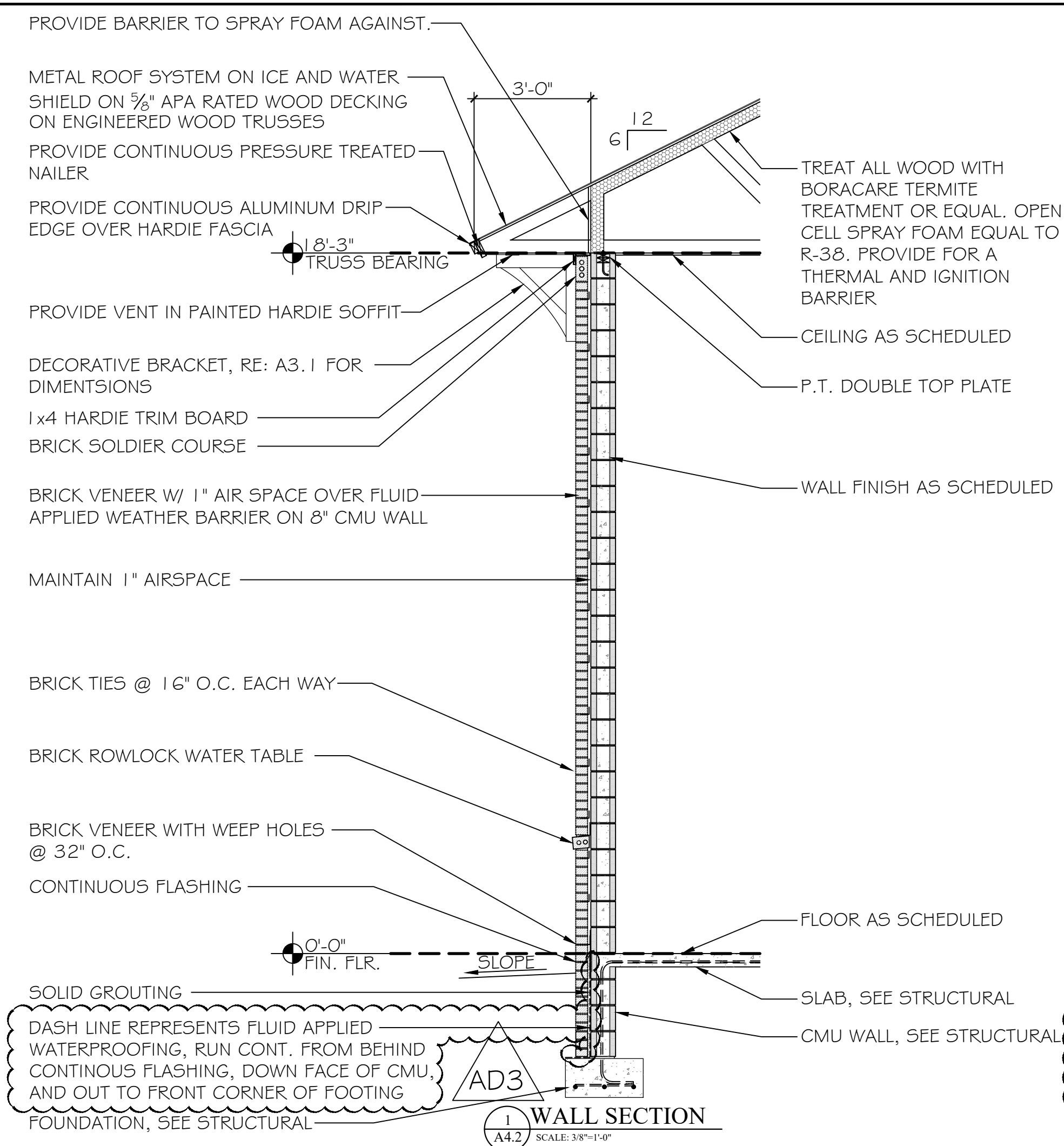


N
FLOOR PLAN
SCALE: 1/8"=1'-0"

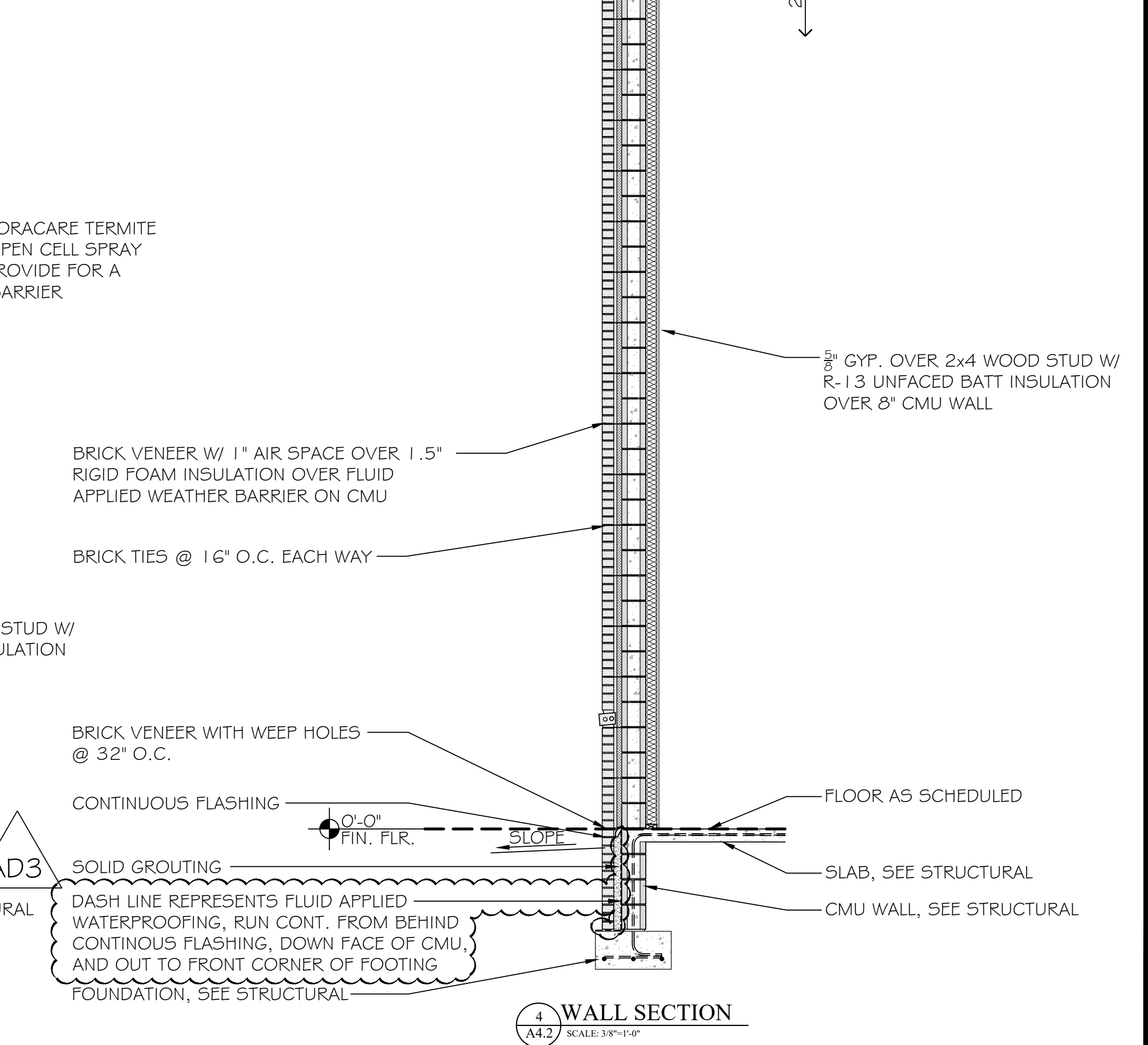
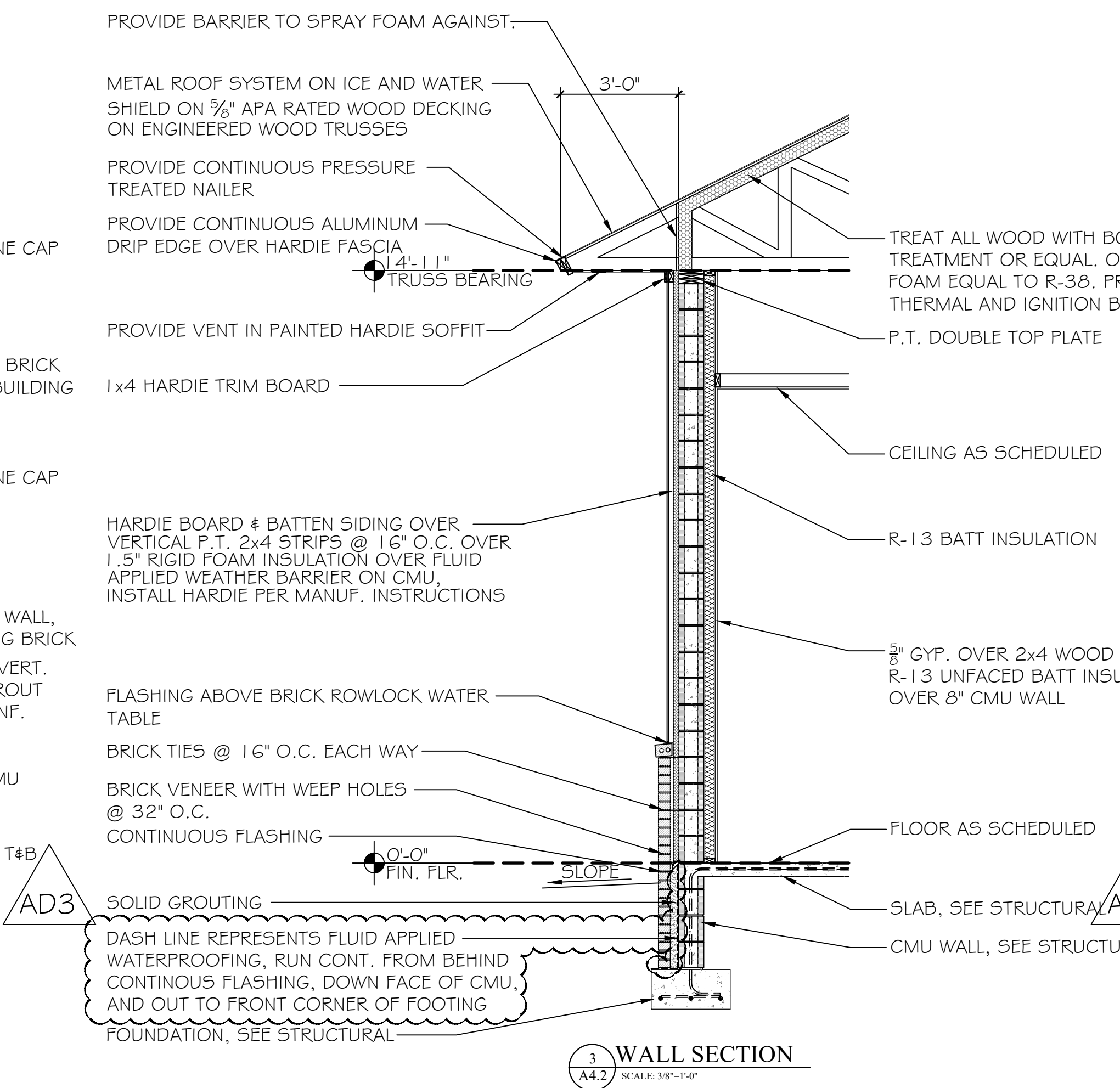
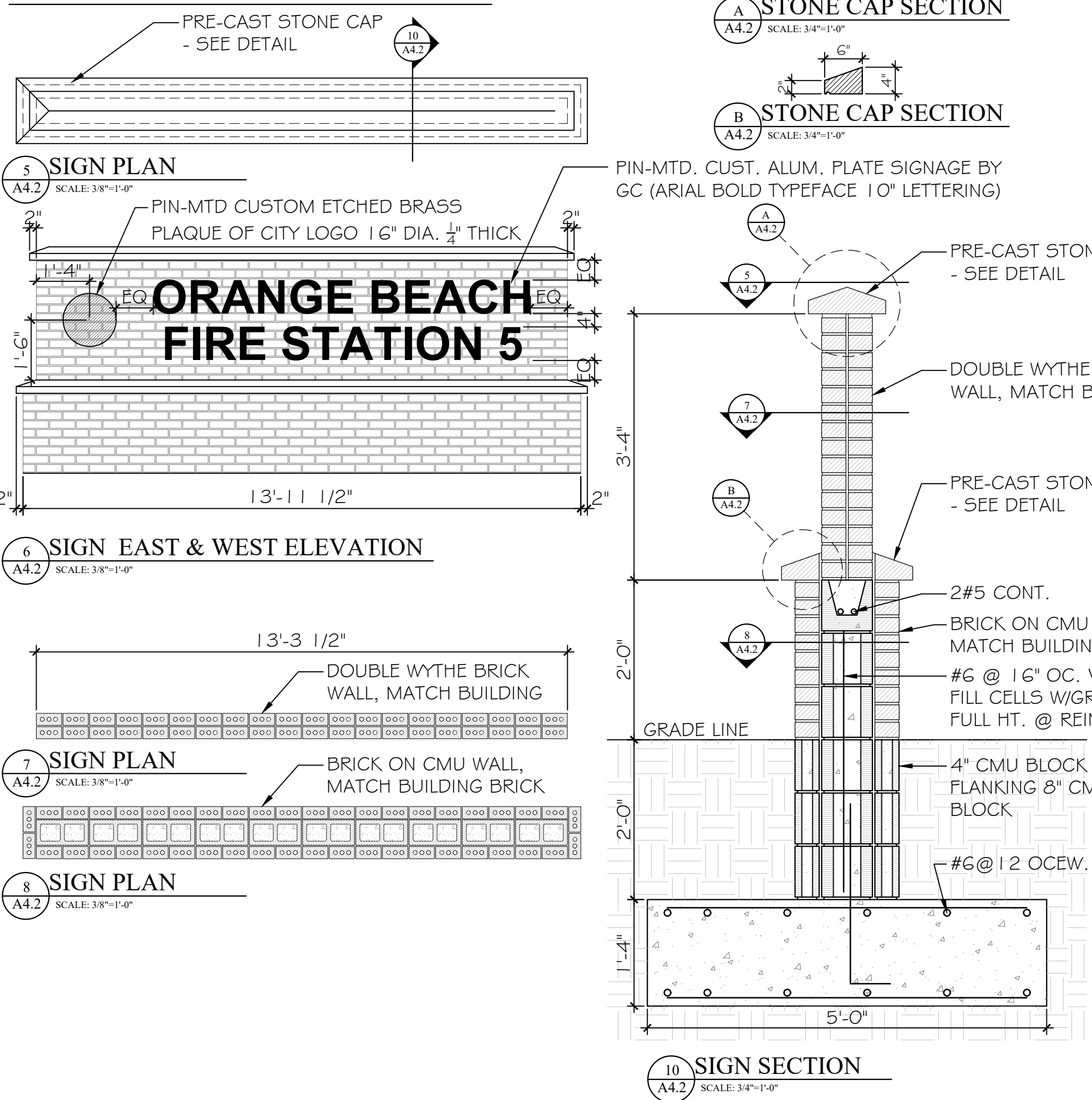
WALL LEGEND	
	8' CMU WALL WITH BRICK WATER TABLE
	2x6 WOOD STUD WALL W/ 5/8" GYP. BD. EACH SIDE (INSULATE ALL WALLS)
	2x4 WOOD STUD WALL W/ 5/8" GYP. BD. EACH SIDE (INSULATE ALL WALLS)
	8' ALUMINUM CANOPY COLUMN
	6" PIPE BOLLARD
	1 HR. WALL, UL# U305 UP TO CEILING
	1 HR. WALL, UL# U305 UP TO DECK



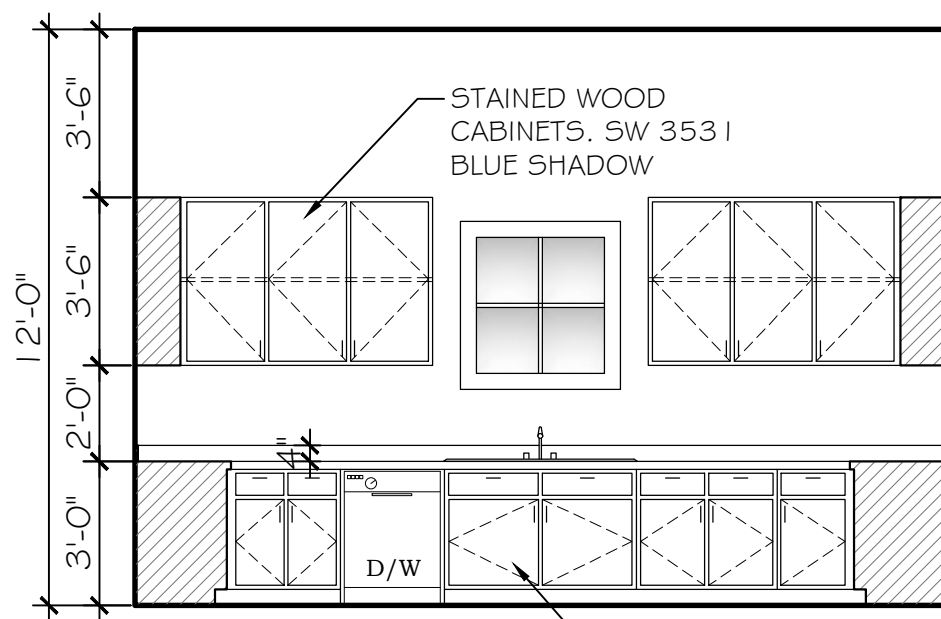
**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA**



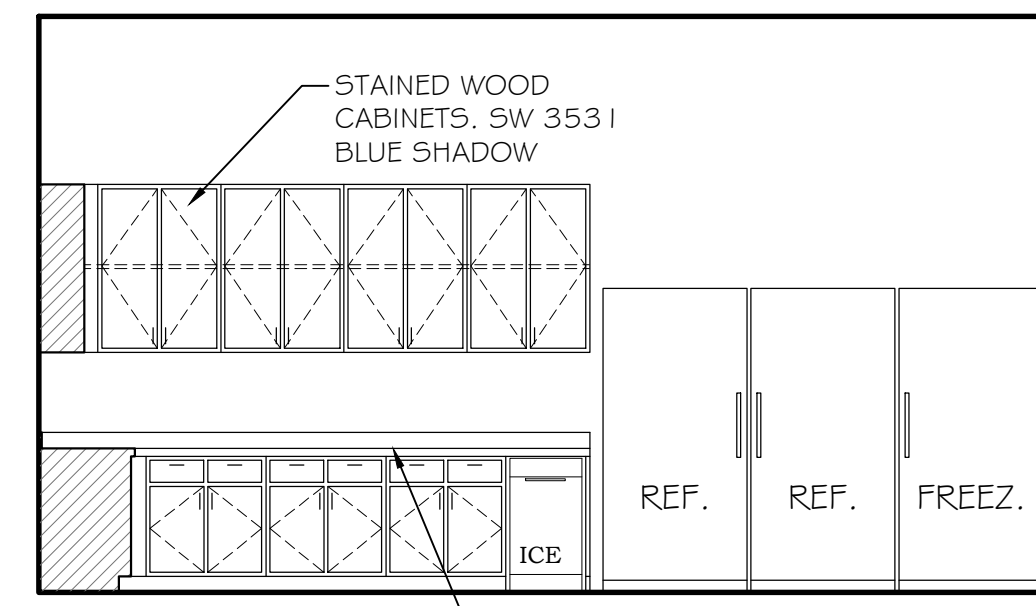
MONUMENT SIGN DETAILS



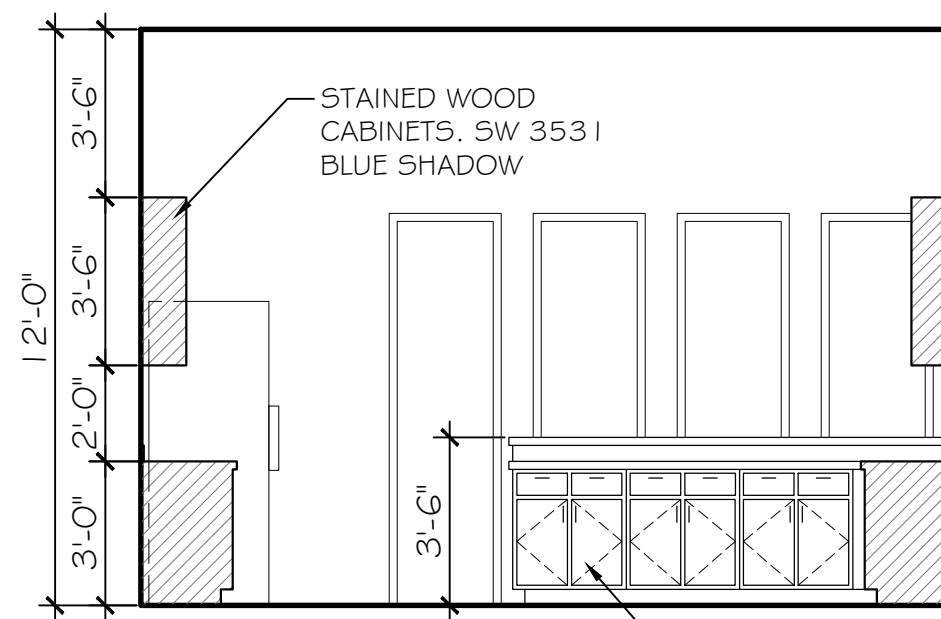
JOB NO.:	
DRAWN:	CLT
CHECKED:	SBM
DATE:	2021.11.01
REVISION:	
ADD	ADDENDUM 2 - 2022.01.07
ADD	ADDENDUM 3 - 2022.01.11
SCALE:	3/8" = 1'-0"
SHEET NO.:	A4.2
WALL SECTIONS AND DETAILS	



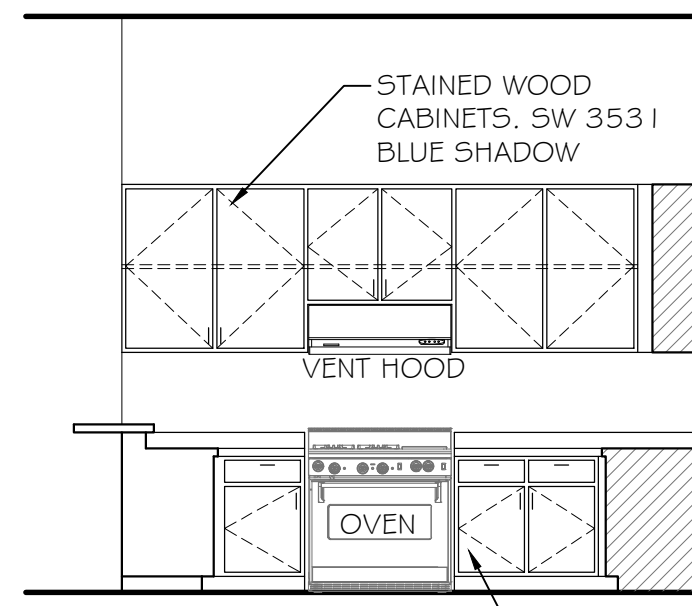
A KITCHEN 111
SCALE: 1/4"=1'-0"



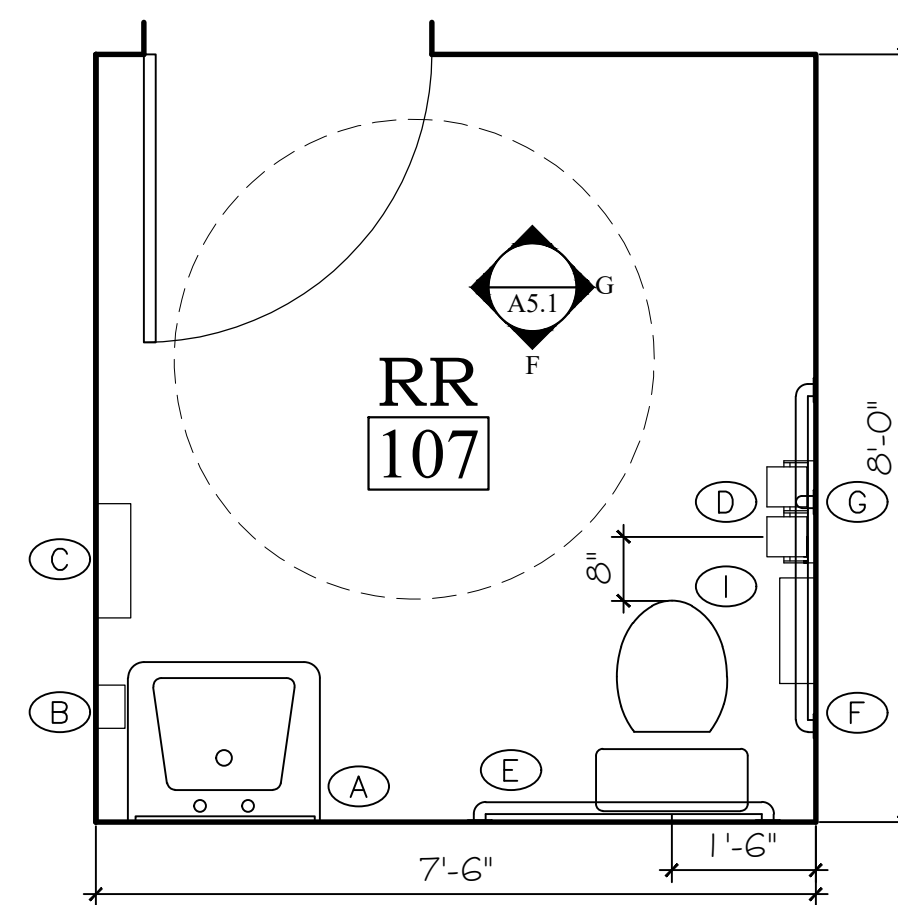
B KITCHEN 111
SCALE: 1/4"=1'-0"



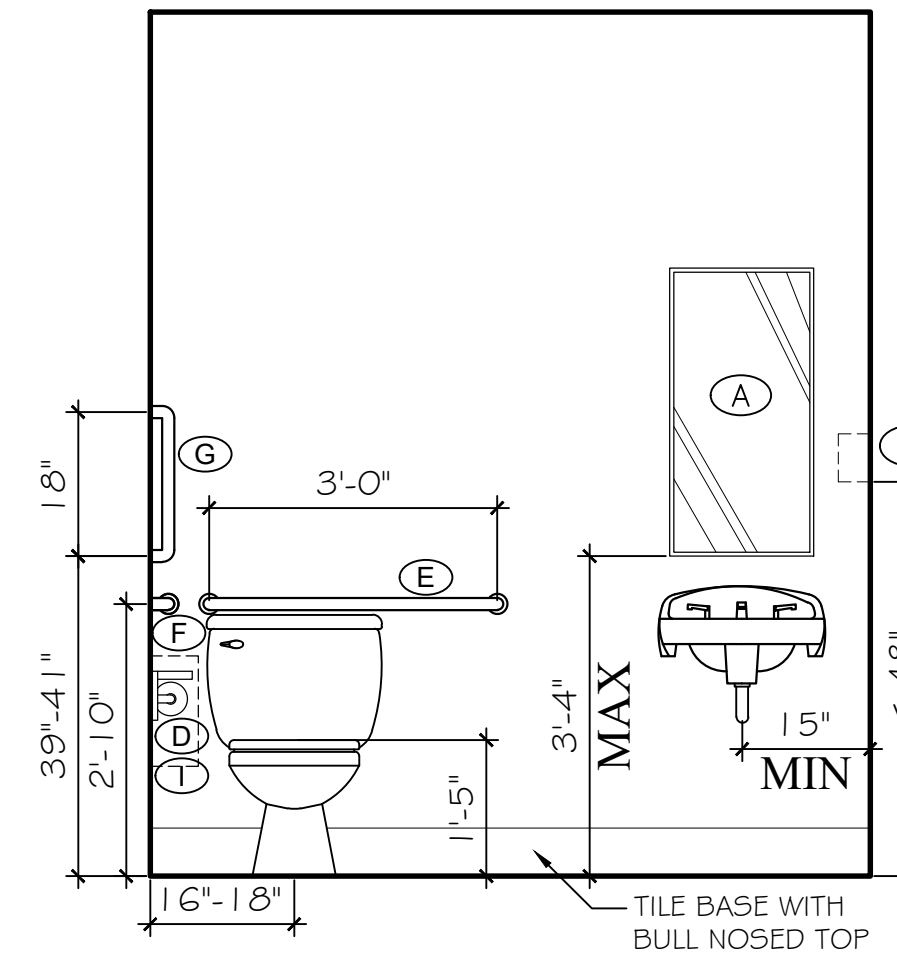
C KITCHEN 111
SCALE: 1/4"=1'-0"



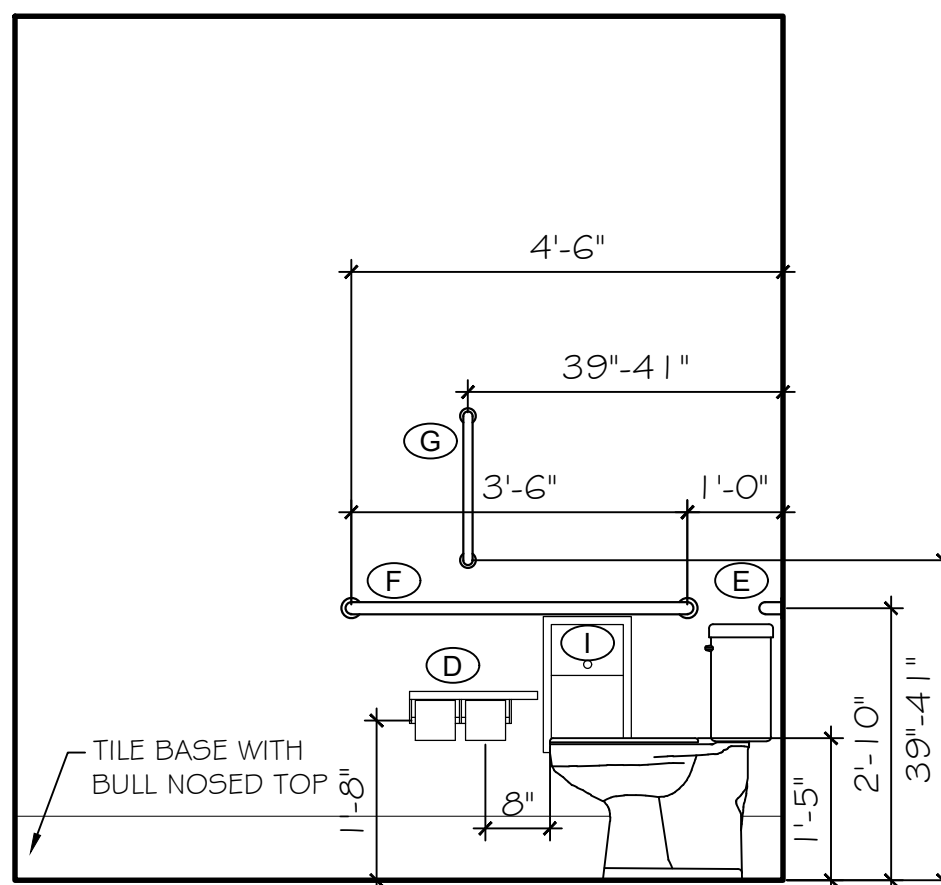
D KITCHEN 111
SCALE: 1/4"=1'-0"



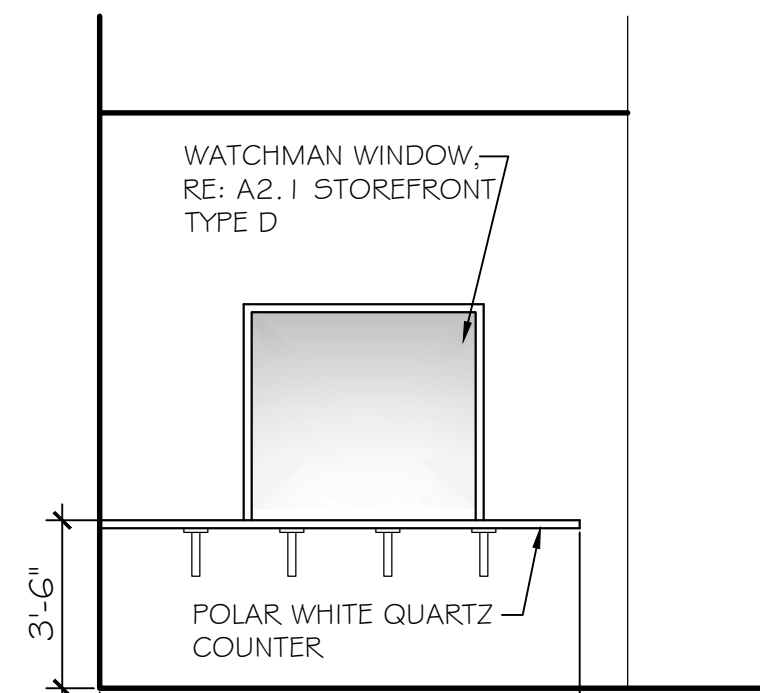
E RR 107
SCALE: 1/2"=1'-0"



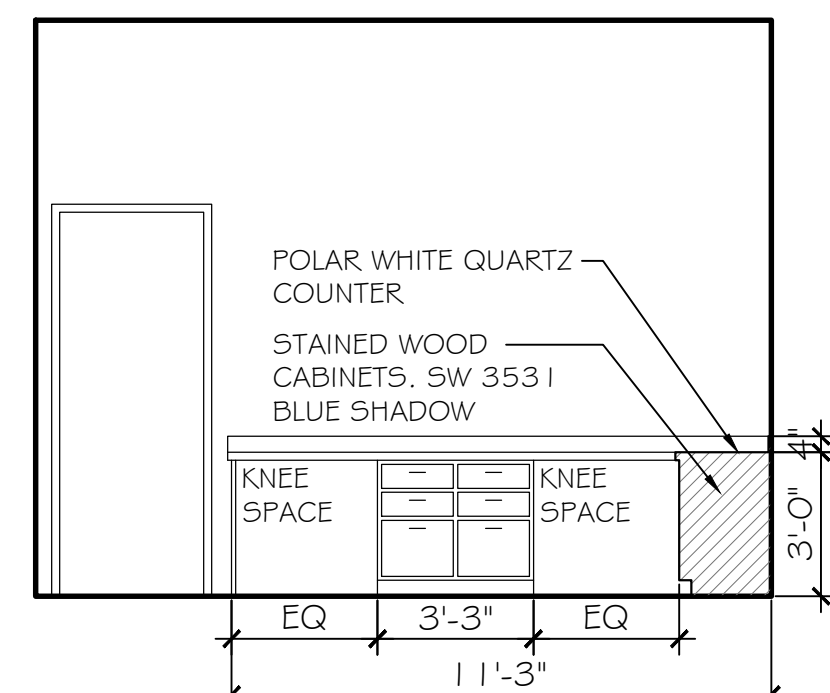
F RR 107
SCALE: 1/2"=1'-0"



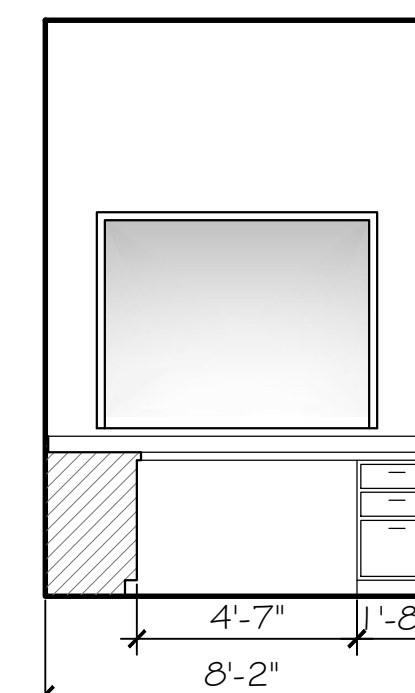
G RR 107
SCALE: 1/2"=1'-0"



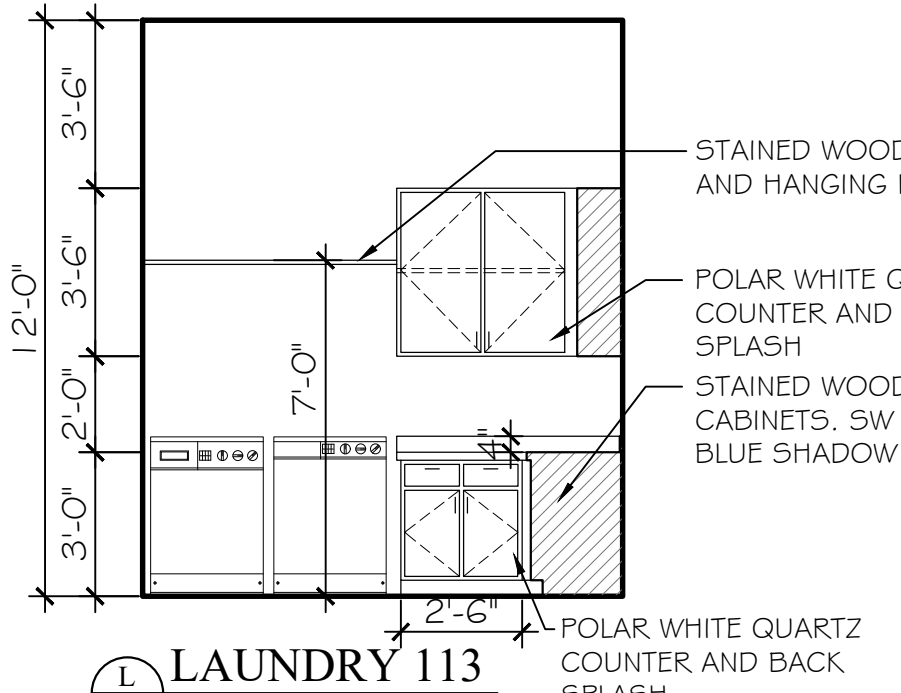
H WATCH 102
SCALE: 1/4"=1'-0"



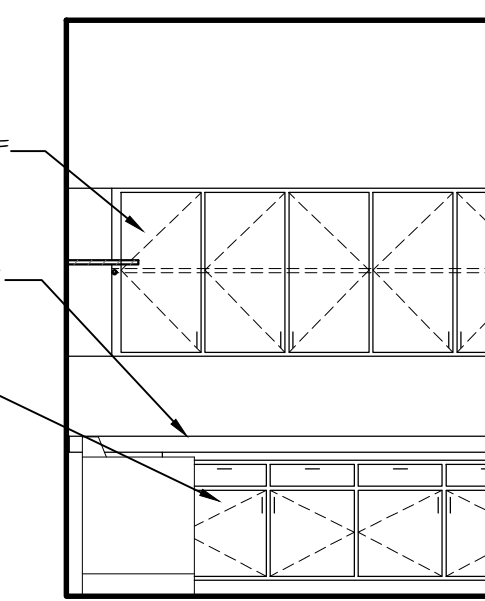
J WATCH 102
SCALE: 1/4"=1'-0"



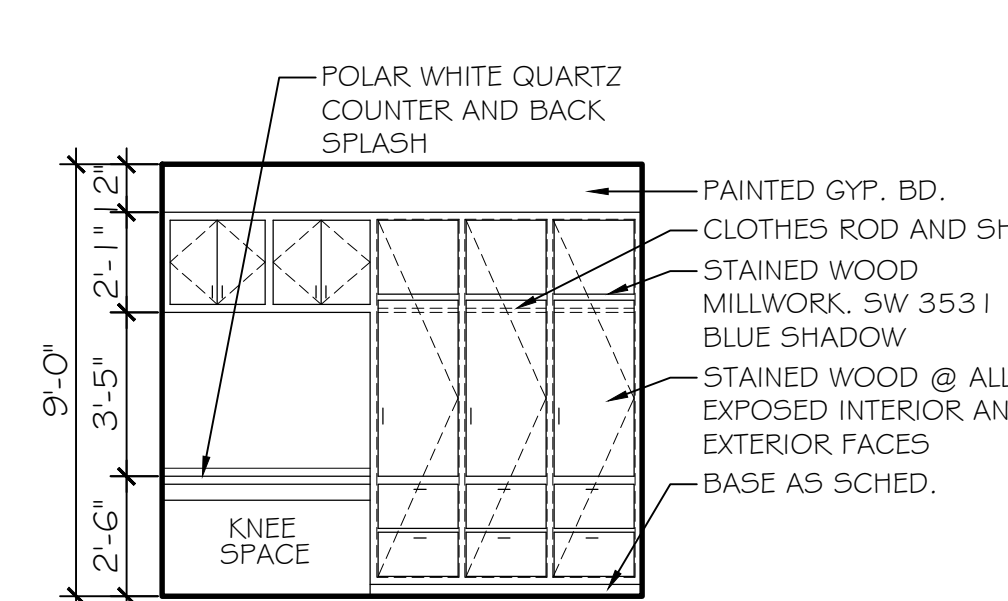
K WATCH 102
SCALE: 1/4"=1'-0"



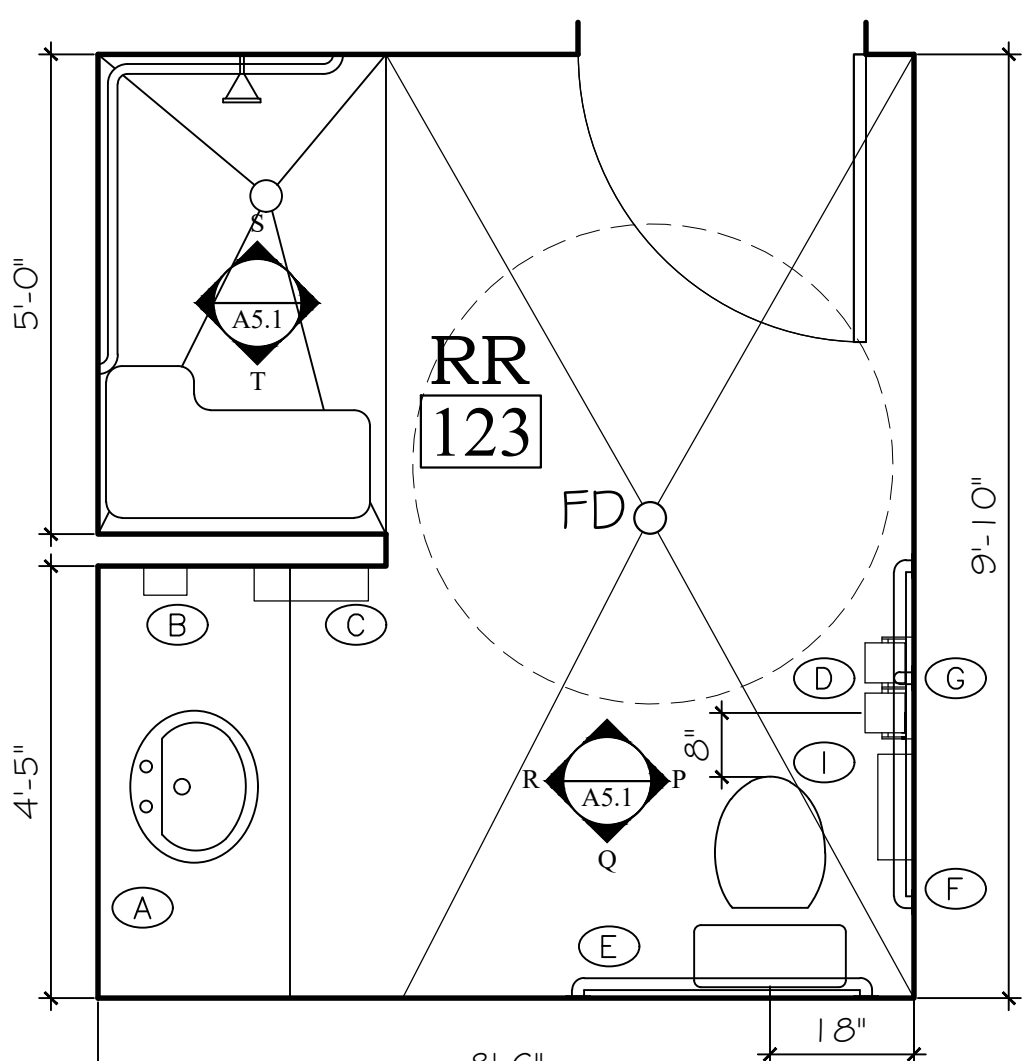
L LAUNDRY 113
SCALE: 1/4"=1'-0"



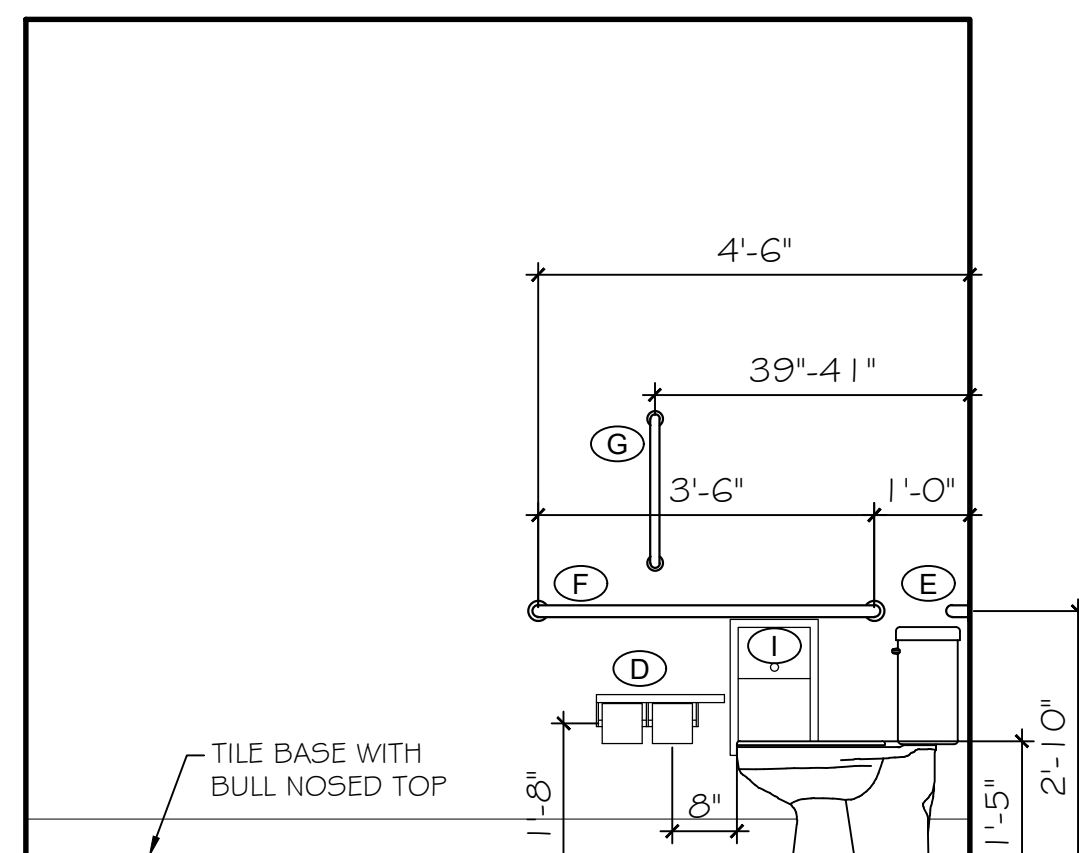
M LAUNDRY 113
SCALE: 1/4"=1'-0"



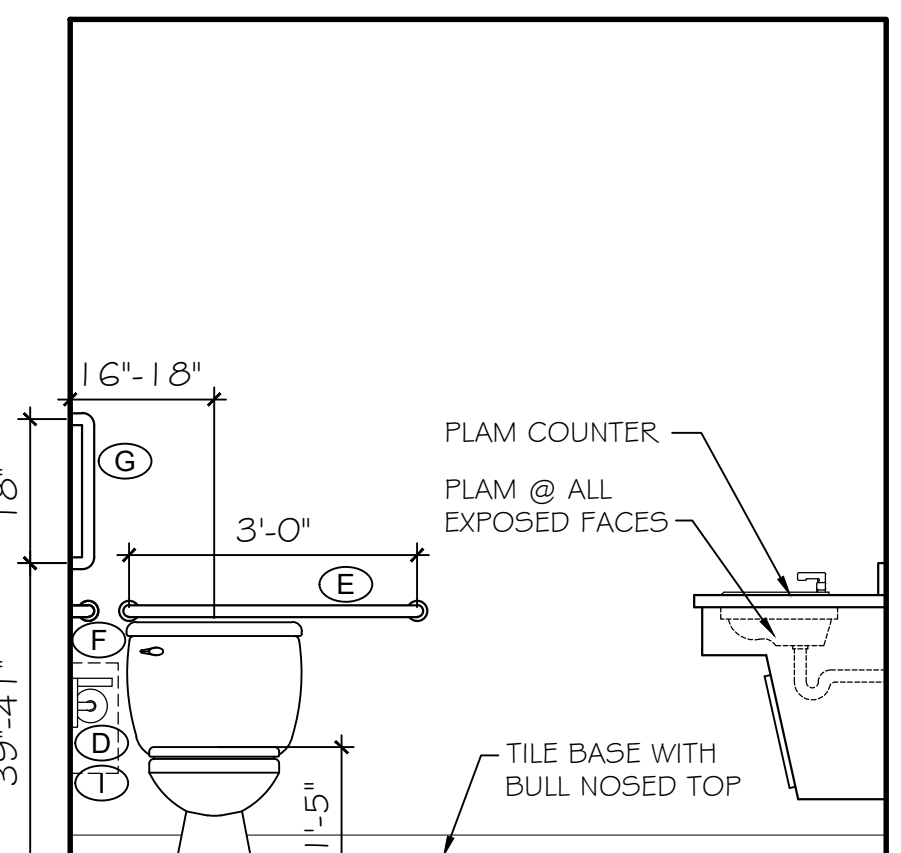
N DORMS (115-118 & 130-133)
SCALE: 1/4"=1'-0"



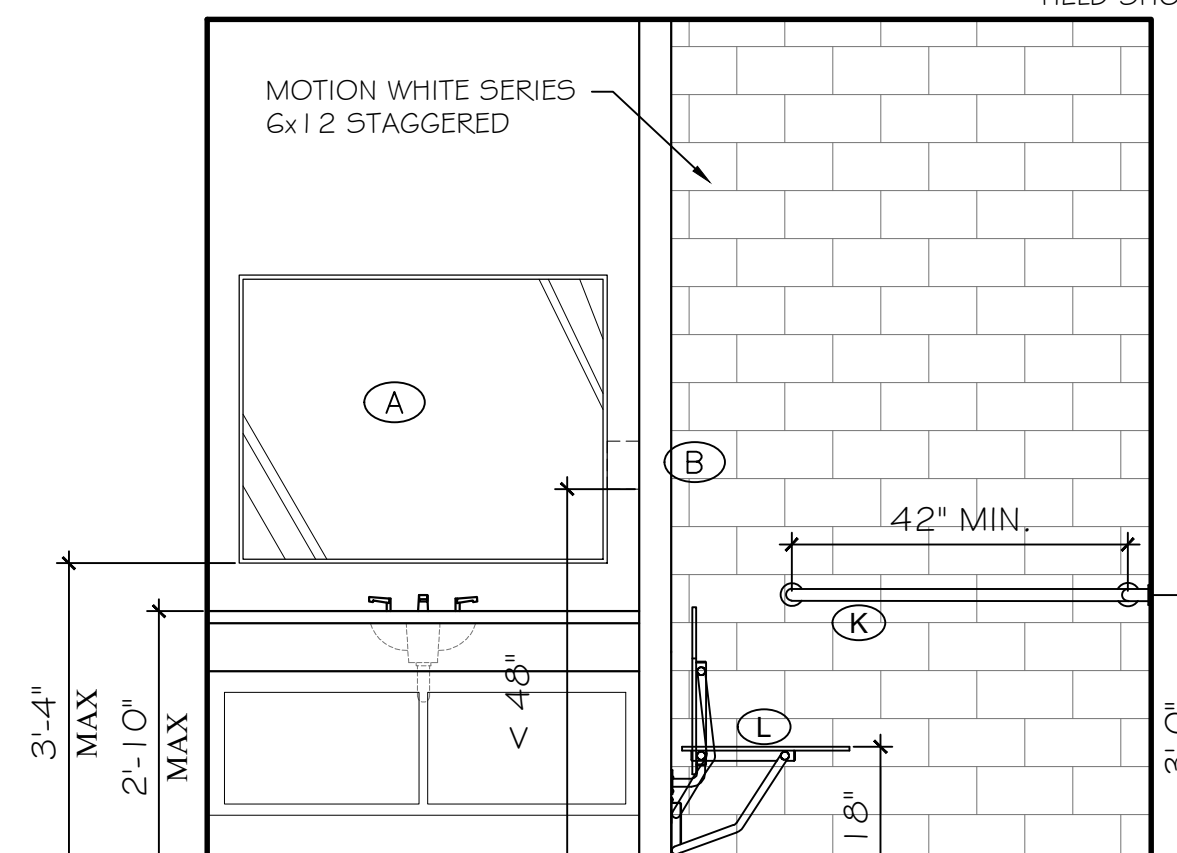
O RR 123
SCALE: 1/2"=1'-0" 124 & 125 SIM
136 & 137 OPP HAND



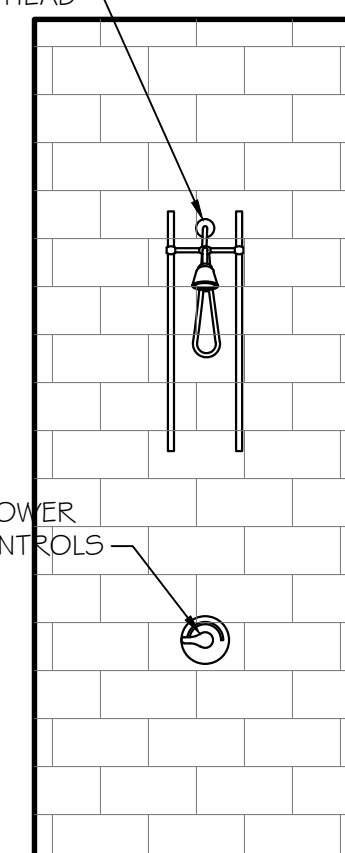
P RR 123
SCALE: 1/2"=1'-0"



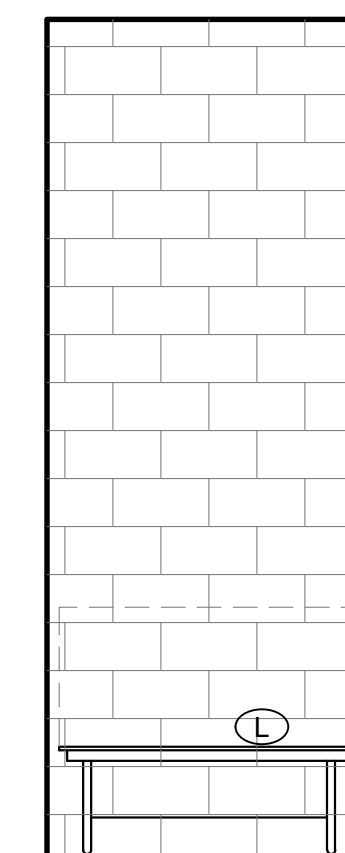
Q RR 123
SCALE: 1/2"=1'-0"



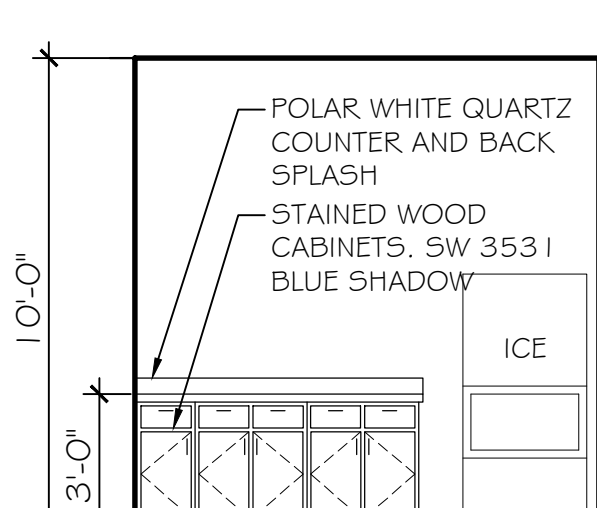
R RR 123
SCALE: 1/2"=1'-0"



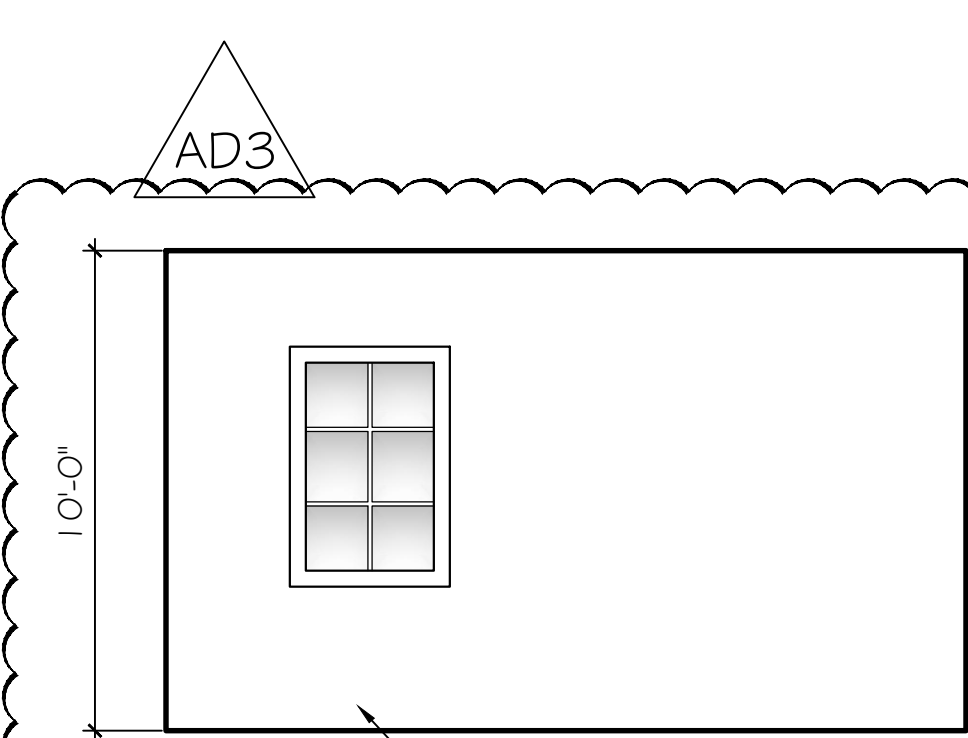
S RR 123
SCALE: 1/2"=1'-0"



T RR 123
SCALE: 1/2"=1'-0"



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



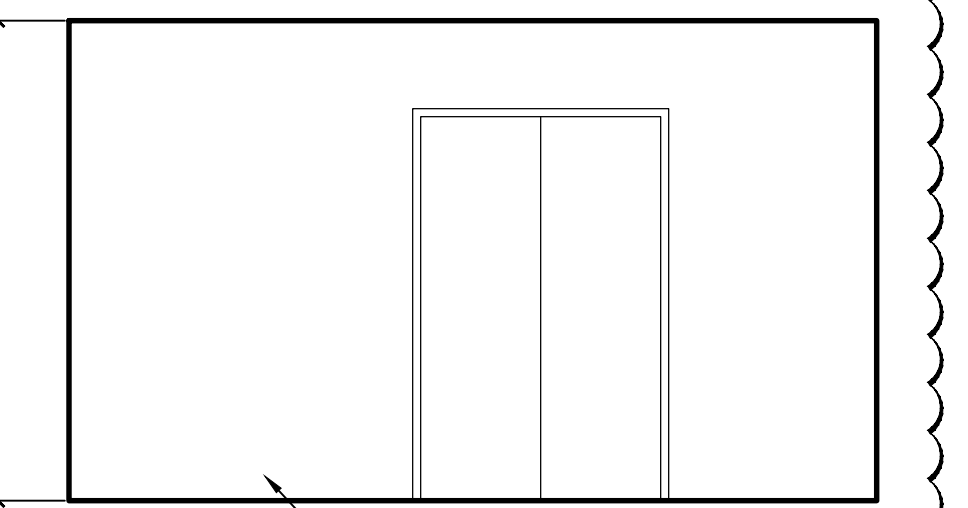
V BUNKER GEAR 134
SCALE: 1/4"=1'-0"



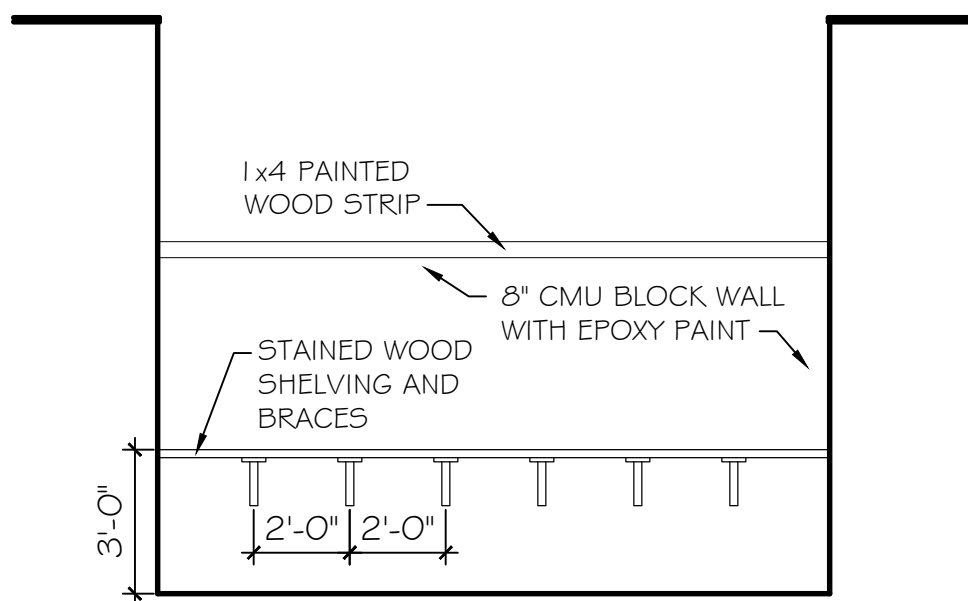
W BUNKER GEAR 134
SCALE: 1/4"=1'-0"



X BUNKER GEAR 134
SCALE: 1/4"=1'-0"



Y BUNKER GEAR 134
SCALE: 1/4"=1'-0"



Z WORK BENCH
SCALE: 1/4"=1'-0"

McColough
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P.O. BOX 6310
GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222

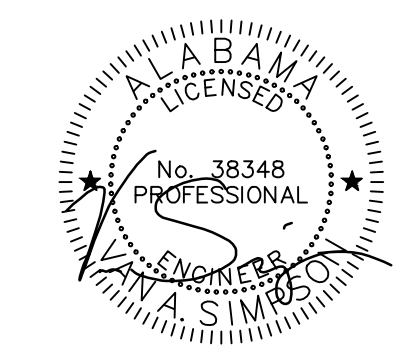
ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA

JOB NO.:	
DRAWN:	CLT
CHECKED:	SBM
DATE:	2021.11.01
REVISION:	
ADD	ADDENDUM 2 - 2022.01.07
ADD	ADDENDUM 3 - 2022.01.11
SCALE:	1/4" = 1'-0"
SHEET NO.:	

A5.1
INTERIOR ELEVATIONS



**McCOLLOUGH
ARCHITECTURE, INC.**
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GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222



01/11/22

**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA**

JOB NO.:
DRAWN: TB
CHECKED: VS
DATE: 2021.11.01
REVISION:

SCALE: NOTED

SHEET NO.:

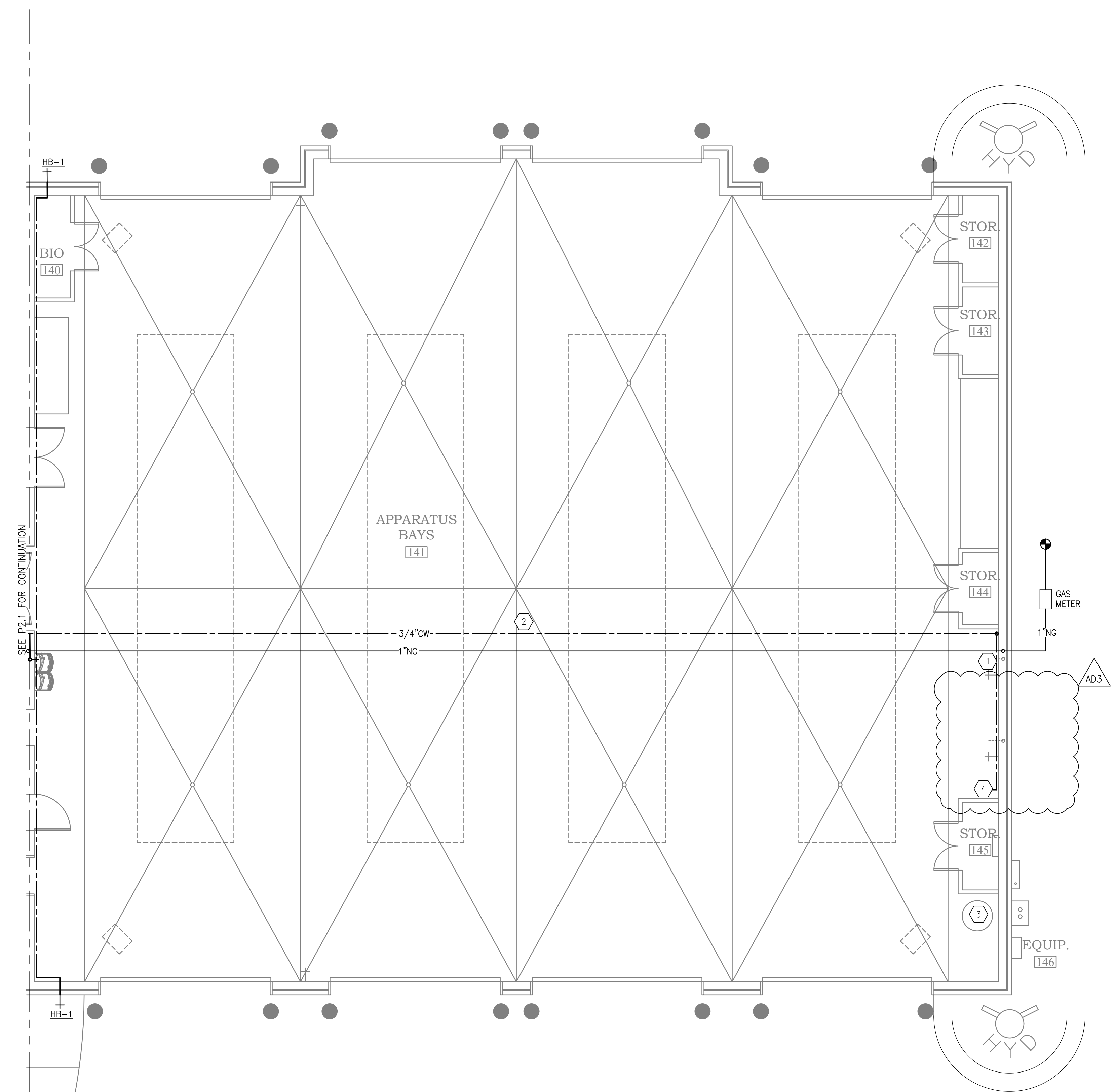
P2.2

PLUMBING PLAN
SHEET 2 OF 2

KEYED NOTES:

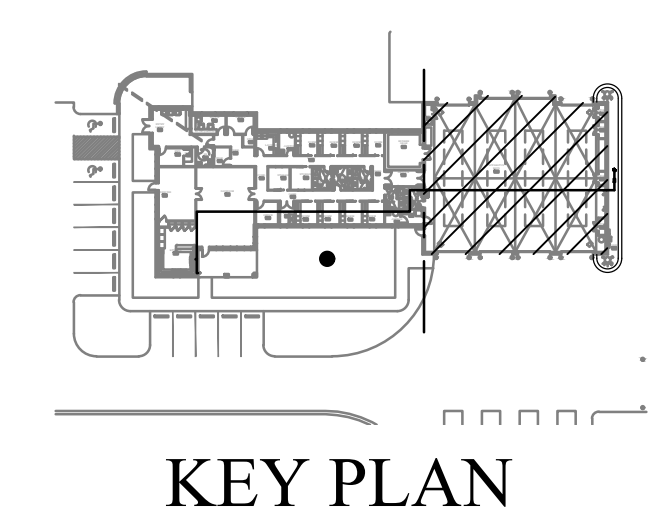
- ① ROUTE 3/4" DOMESTIC WATER DOWN AND CAP FOR FUTURE USE.
- ② ROUTE 3/4" DOMESTIC WATER AND 1"NG TIGHT AGAINST CEILING STRUCTURE.
- ③ BASIS OF DESIGN: PROVIDE 7.5HP 240/1 80 GAL VERTICAL QUINCY AIR COMPRESSOR. QUINCY PART NUMBER 371CS80VCA
- ④ ROUTE 3/4" DOMESTIC COLD WATER TO THIS AREA, CAP FOR FUTURE WATER HEATER.

AD3



SEE P. 1 FOR CONTINUATION

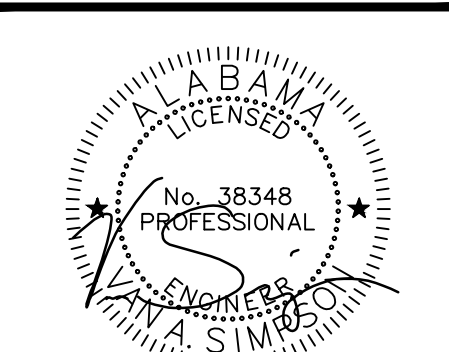
PLUMBING PLAN
 SCALE: 3/16"=1'-0"



Gulf States Engineering, Inc.
500 Azalea Rd. Mobile, AL 36689 (T) 251-480-4646 (F) 251-480-4645

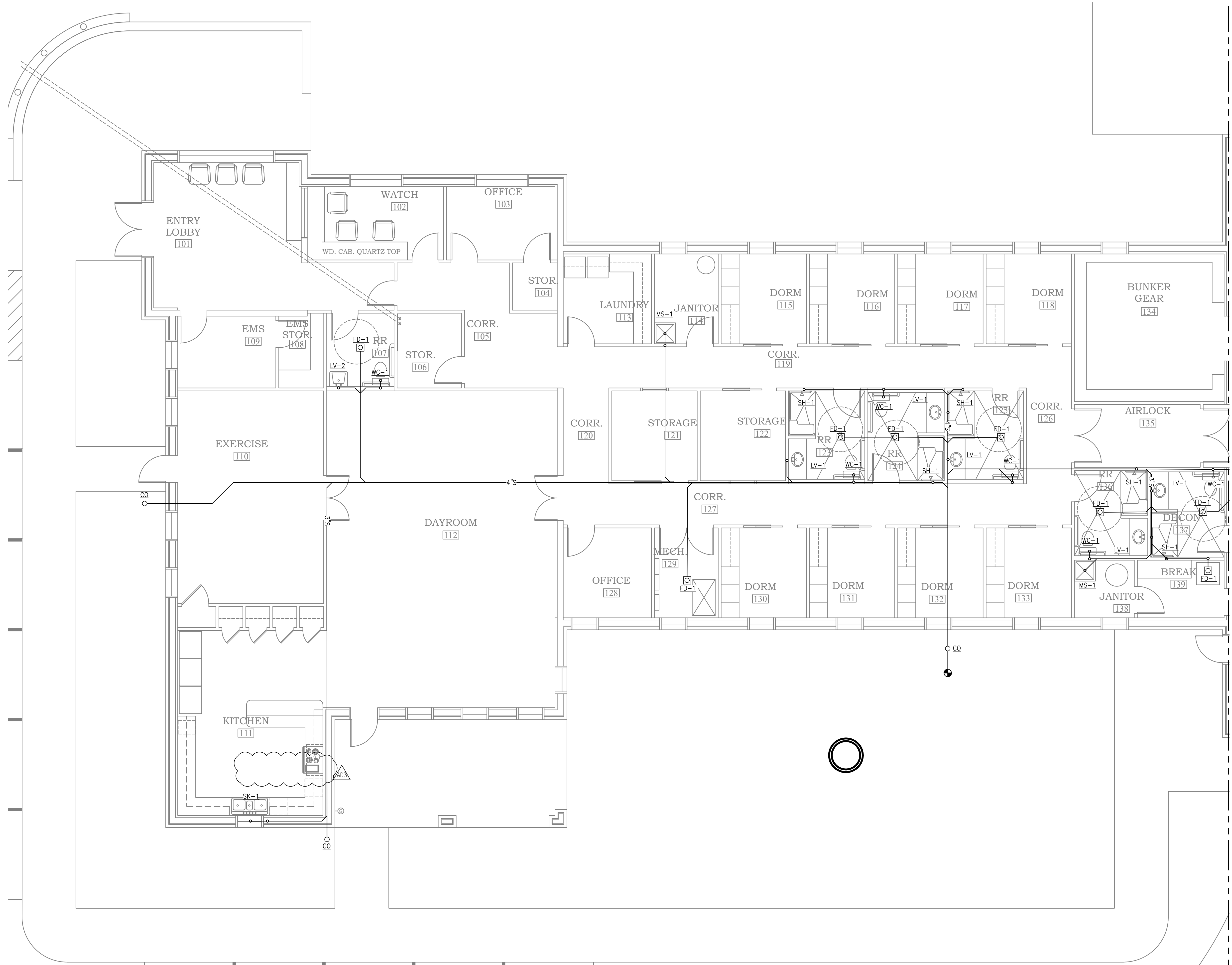


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ARCHITECTURE, INC.
P.O. BOX 6310
GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222

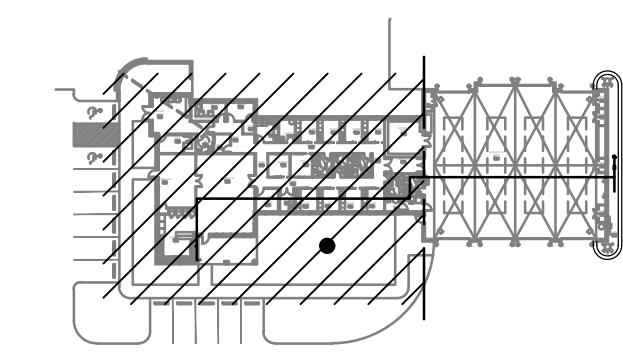


01/10/22

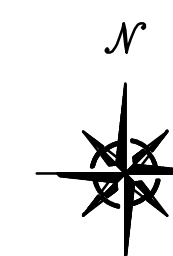
ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA



SEE P3.2 FOR CONTINUATION



KEY PLAN



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



JOB NO.:
DRAWN: TB
CHECKED: VS
DATE: 2021.11.01
REVISION: AD3
AD3 ADDENDUM 3 - 2022.01.11

SCALE: NOTED

SHEET NO.:

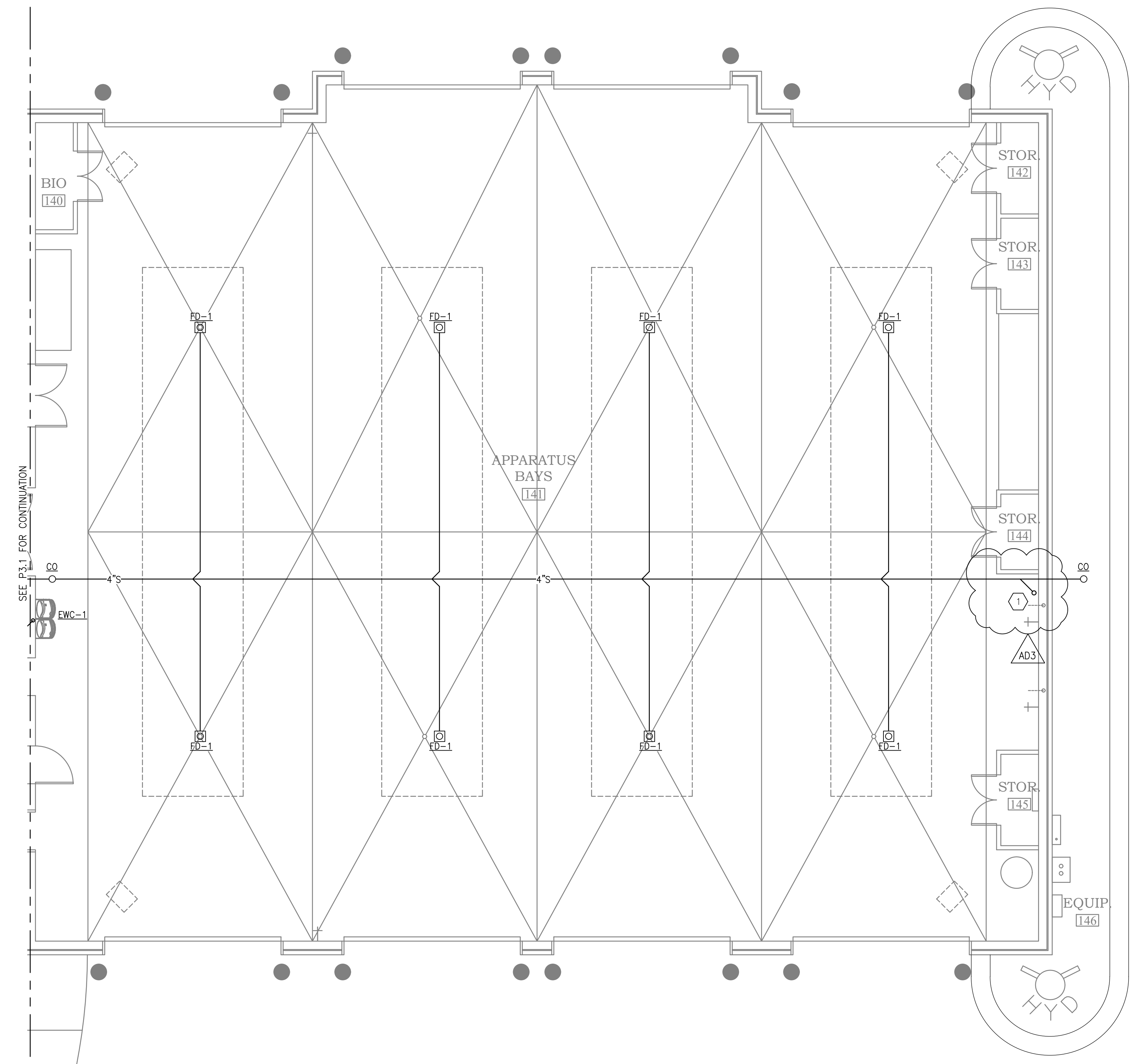
P3.1

SANITARY PLAN
SHEET 1 OF 2

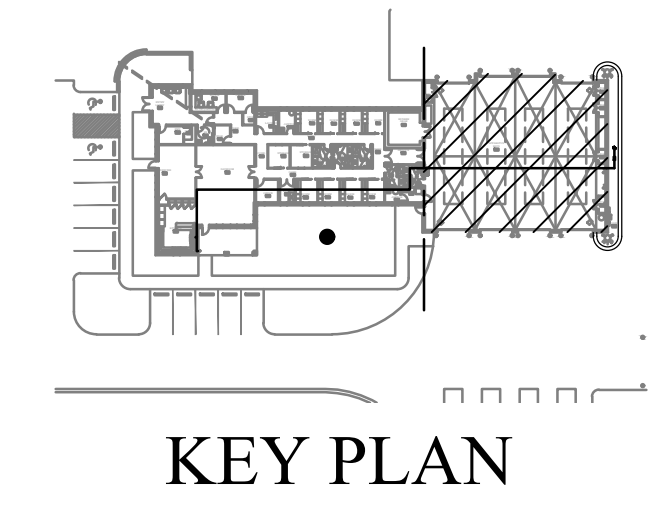


KEYED NOTES:

- 1 4" SANITARY LINE, STUB UP 6" AND CAP FOR FUTURE GEAR WASH MACHINE.



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



ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA

JOB NO.:
DRAWN: TB
CHECKED: VS
DATE: 2021.11.01
REVISION:

SCALE: NOTED

SHEET NO.:

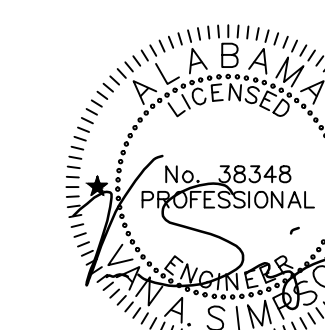
P3.2

SANITARY PLAN
SHEET 2 OF 2



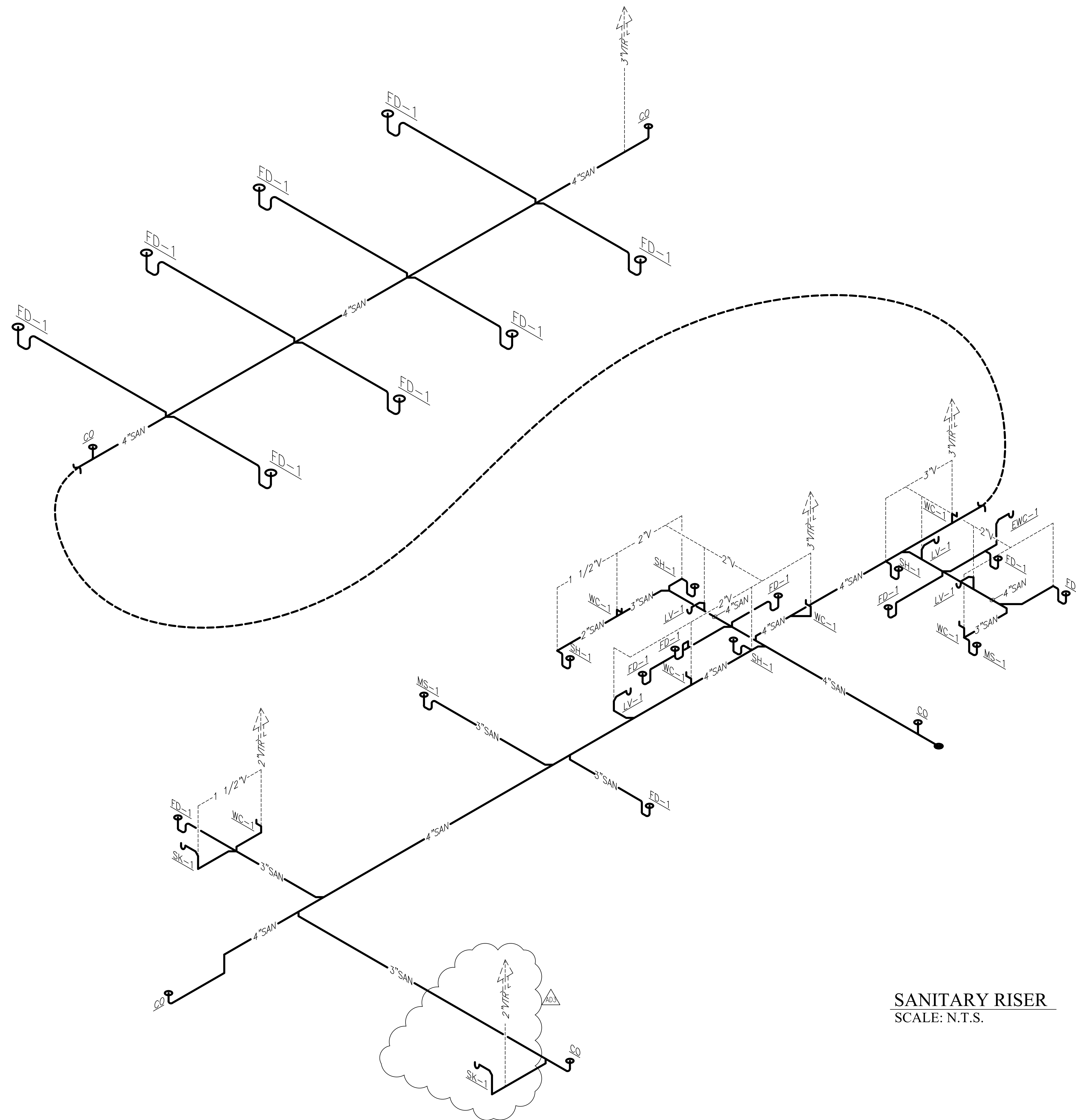


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PHONE: 251-968-7222



01/10/22

ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA



SANITARY RISER
SCALE: N.T.S.



JOB NO.:
DRAWN: TB
CHECKED: VS
DATE: 2021.11.01
REVISION: AD3
AD3 ADDENDUM 3 - 2022.01.11

SCALE: NOTED

SHEET NO.:

P3.3

SANITARY RISER



**McColough
ARCHITECTURE, INC.**
P.O. BOX 6310
GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222

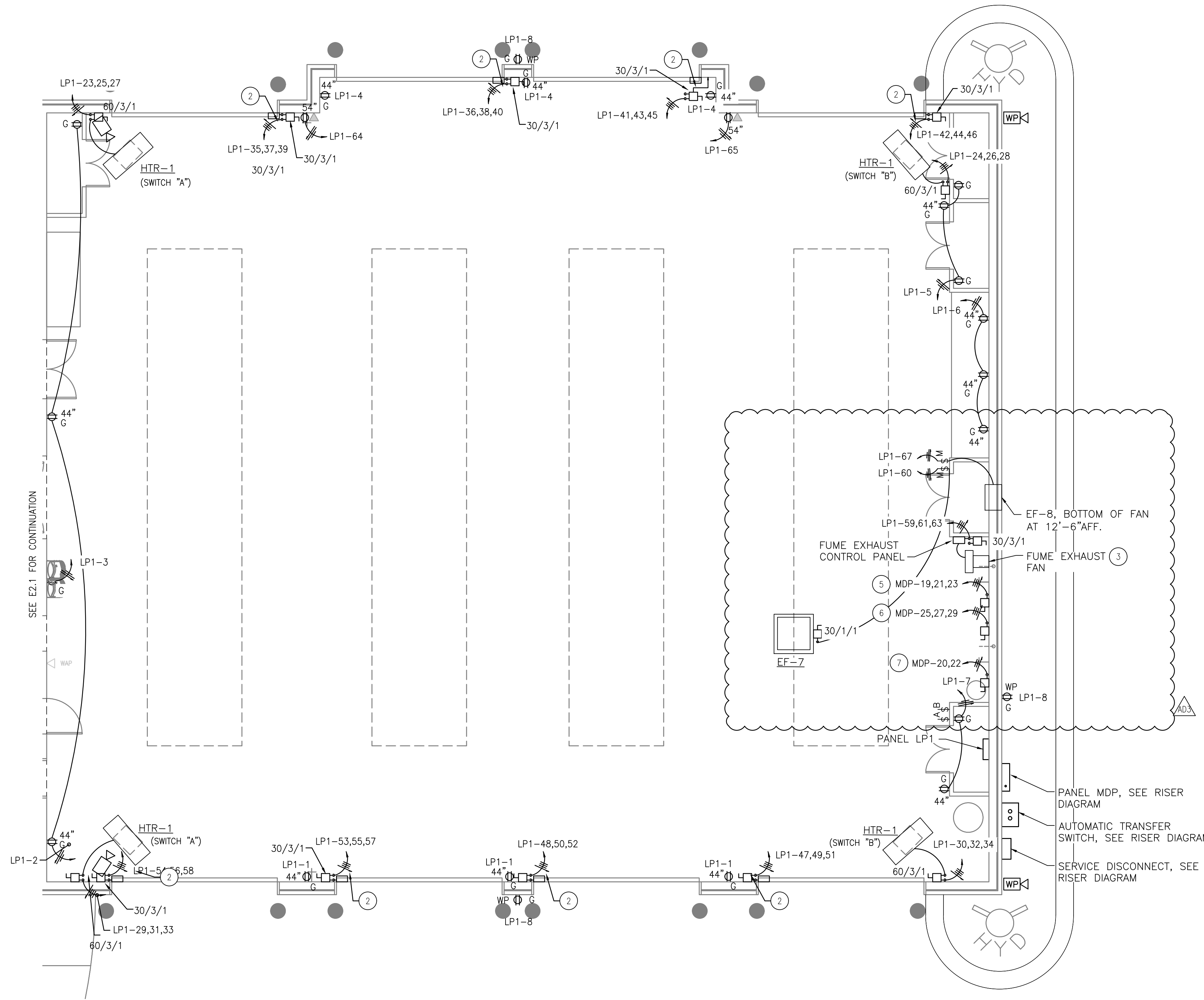
KEYED NOTES:

- 1 HEATER SWITCHES "A" & "B", AND CONTACTORS, SEE WIRING DIAGRAM THIS DRAWING.
- 2 OVERHEAD DOOR OPERATOR, E.C. TO PROVIDE POWER, DISCONNECT SWITCH, AND 3/4" CONDUIT FROM DOOR OPERATOR DOWN TO OPEN/CLOSE PUSHBUTTON STATION. PROVIDE ALL CONTROL CONDUCTORS PER MANUFACTURERS DIRECTION.
- 3 FUME A VENT CONTROL PANEL. PROVIDE ALL POWER AND CONTROL WIRING FROM CONTROL PANEL TO BLOWER.
- 4 COORDINATE ALL CONDUIT STUB UP REQUIREMENTS IN GENERATOR SLAB PRIOR TO POURING. SEE RISER DIAGRAM.
- 5 CIRCUIT FOR FUTURE GEAR WASHER, 3 #10, & 1 #10 GND. 3/4" C. 30A-3P NEMA 1 DISCONNECT,
- 6 CIRCUIT FOR FUTURE GEAR DRYER, 3 #8, & 1 #10 GND. 3/4" C. 60A-3P NEMA 1 DISCONNECT,
- 7 CIRCUIT FOR FUTURE GEAR WASHER WATER HEATER, 2 #10, & 1 #10 GND. 3/4" C. 30A-2P NEMA 1 DISCONNECT,



**FOR BID
APPROVAL
PENDING**

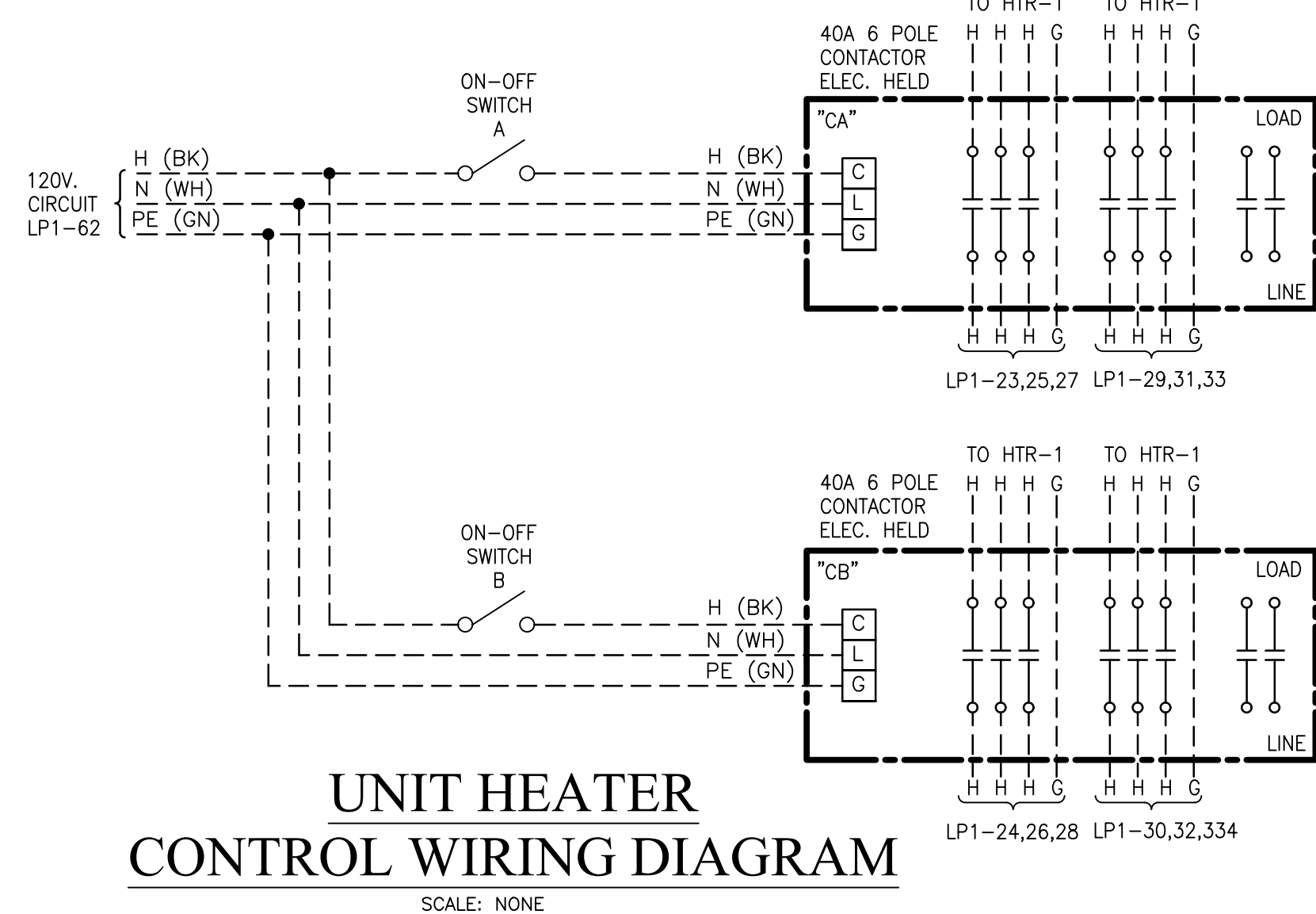
**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA**



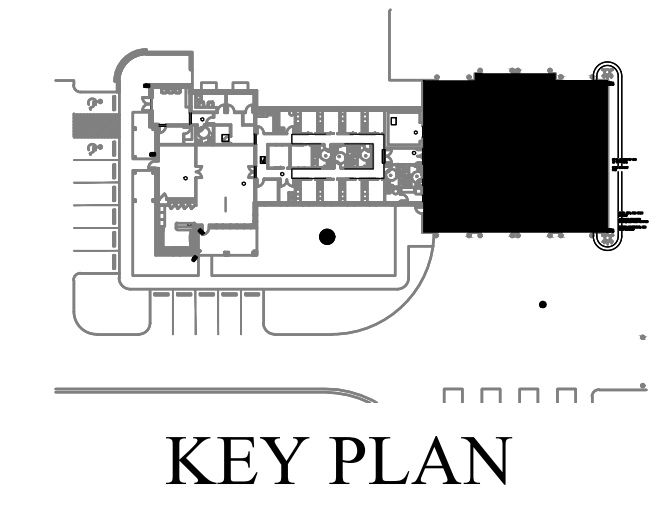
POWER PLAN
SCALE: 3/16"=1'-0"

DISCONNECT SWITCH DESCRIPTION NOMENCLATURE

DISCONNECT SWITCH DESCRIPTION	NOMENCLATURE
AMPERE RATING	NUMBER OF POLES
XX/XX/XX	NEMA RATING



**UNIT HEATER
CONTROL WIRING DIAGRAM**
SCALE: NONE



KEY PLAN



JOB NO.:
DRAWN: SS
CHECKED: BS
DATE: 2021.11.01
REVISION:
AD3 ADDENDUM 3 - 2022.01.11

SCALE: NOTED

SHEET NO.:

E2.2

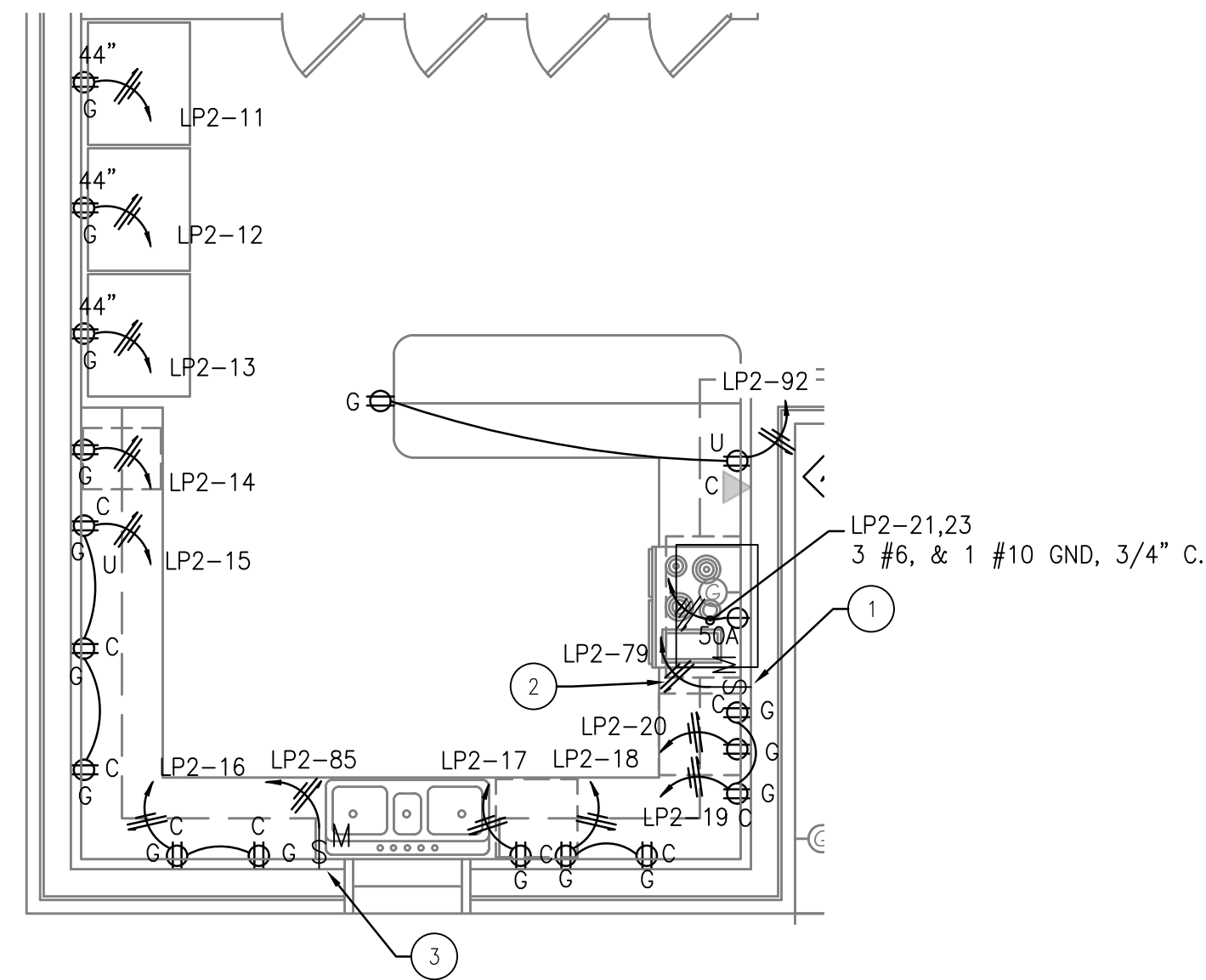
POWER PLAN
SHEET 2 OF 2



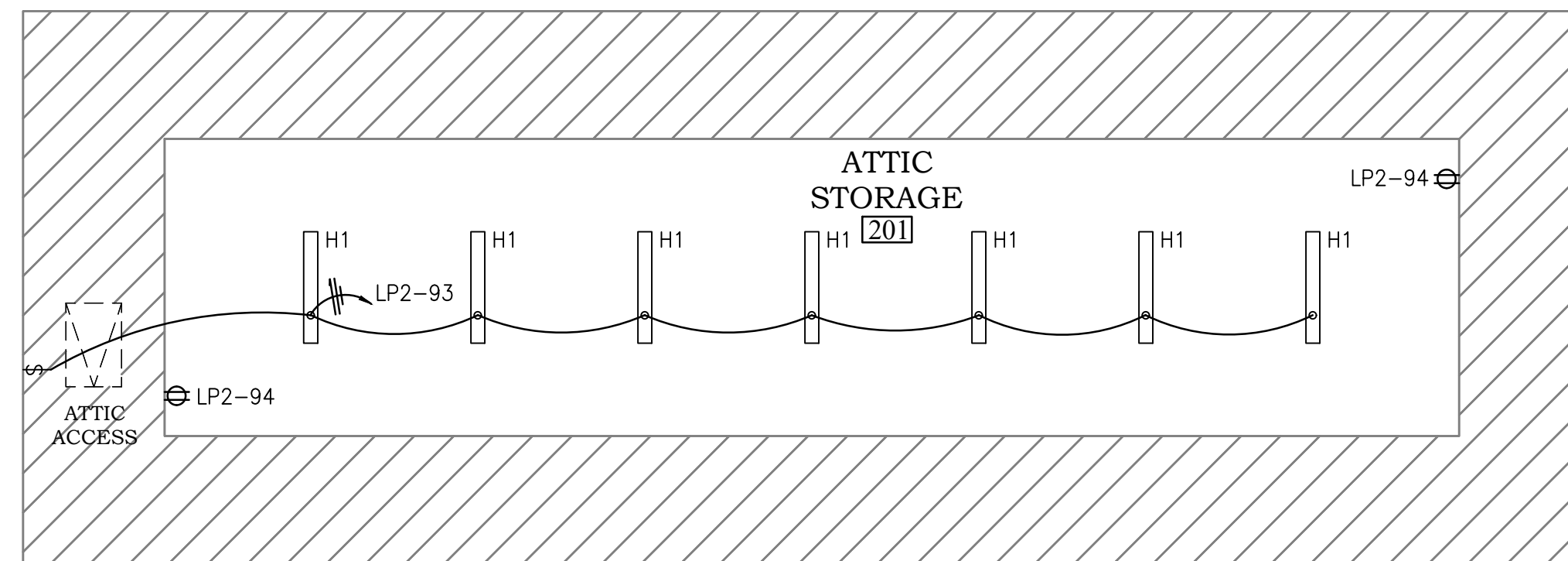
**McColough
ARCHITECTURE, INC.**
P.O. BOX 6310
GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222

KEYED NOTES:

- 1 DISCONNECT FOR HOOD EXHAUST FAN, COORDINATE ALL ELECTRICAL REQUIREMENTS WITH HOOD SUPPLIED. SEE DRAWING M1.1.
- 2 PROVIDE CONTROL WIRING FOR HOOD SUPPRESSION SYSTEM, INCLUDING RANGE POWER SHUTDOWN AND GAS SUPPLY CUT-OFF VALVE.
- 3 SWITCH FOR DISPOSAL MOUNTED ABOVE COUNTER TOP.

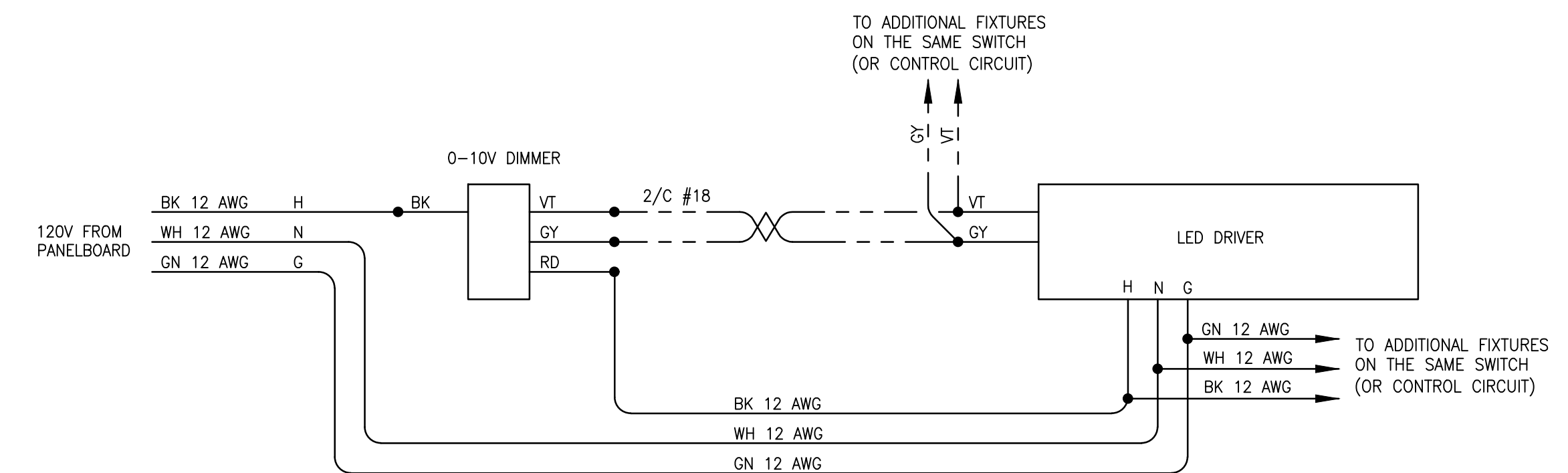


ENLARGED KITCHEN POWER PLAN
SCALE: 3/8"=1'-0"



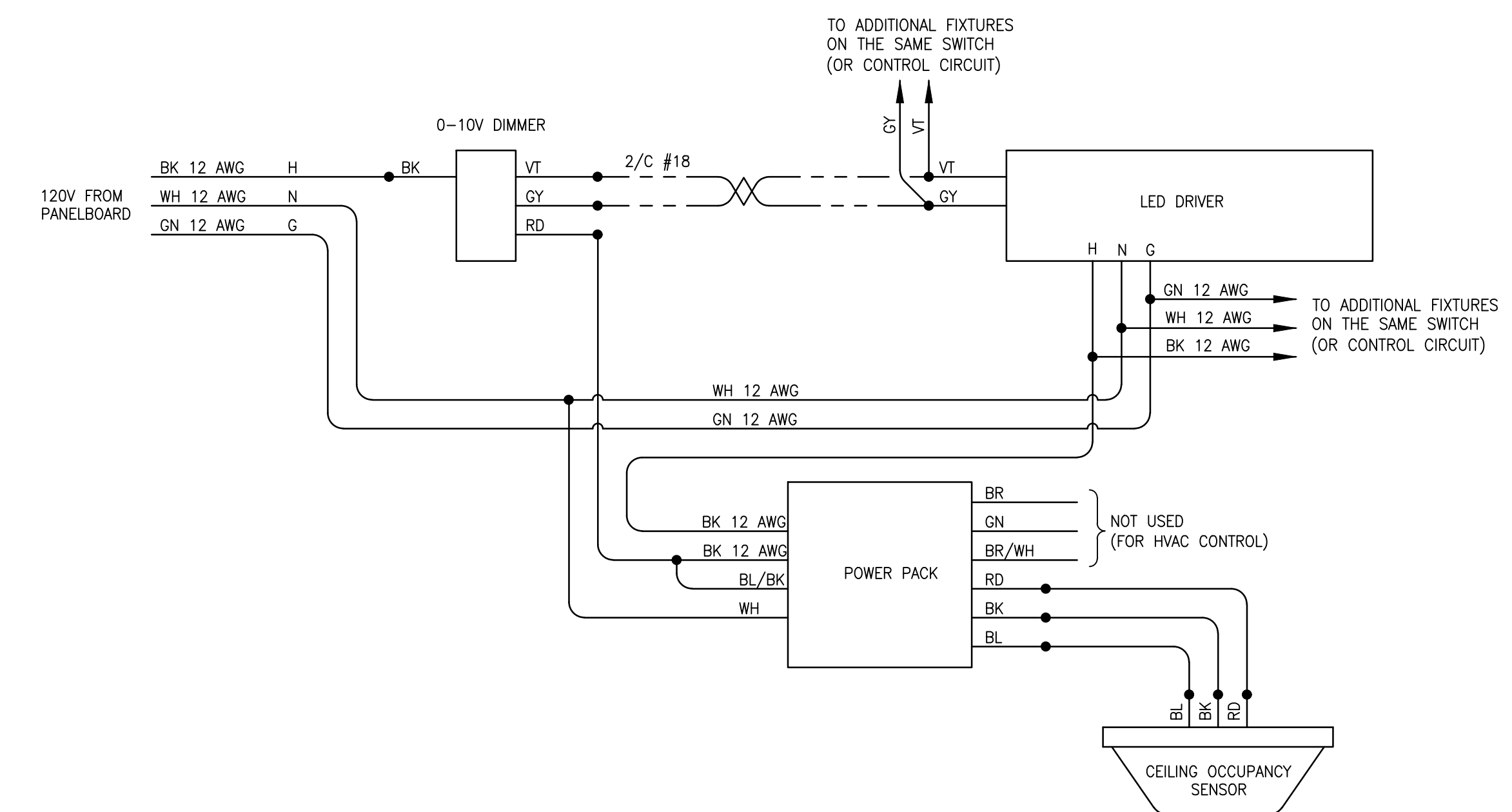
ATTIC LIGHTING AND POWER PLAN
SCALE: 3/16"=1'-0"

**FOR BID
APPROVAL
PENDING**



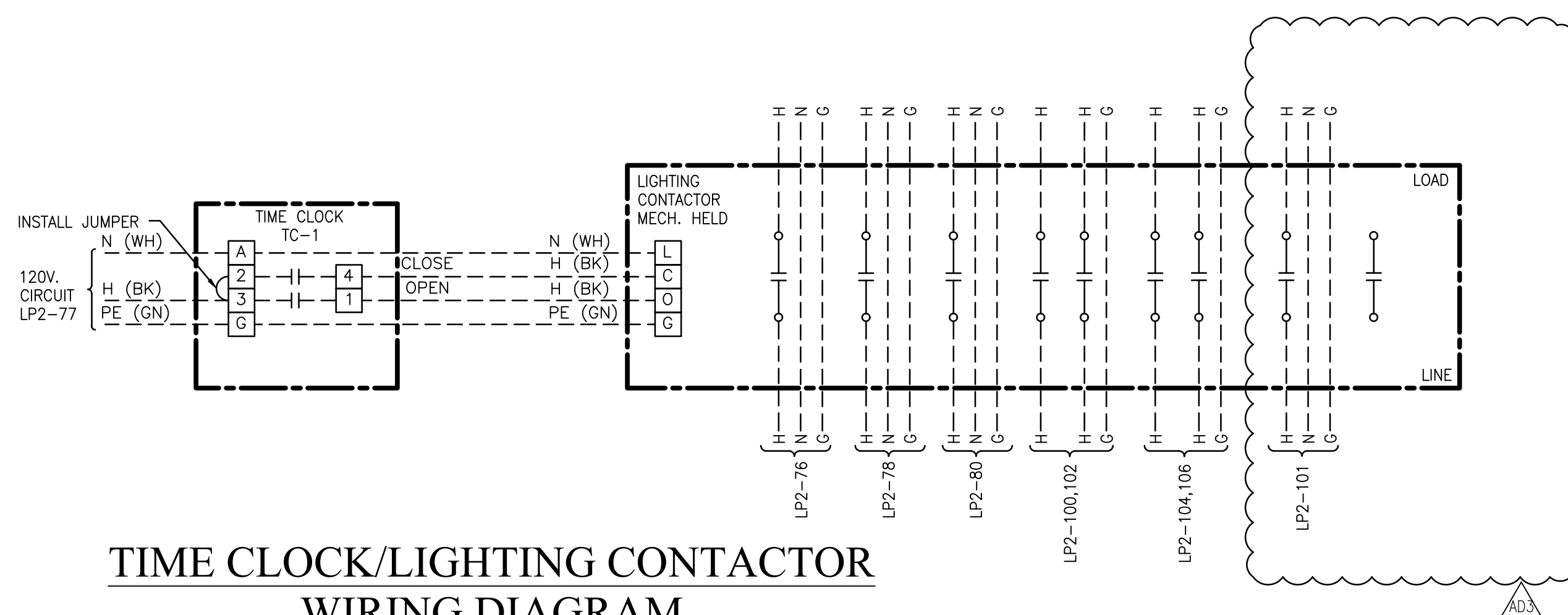
**WALL SWITCH/SENSOR WITH 0-10V DIMMING
WIRING DIAGRAM**

NONE



**OCCUPANCY SENSOR & 0-10V DIMMING
WIRING DIAGRAM**

NONE



**TIME CLOCK/LIGHTING CONTACTOR
WIRING DIAGRAM**

SCALE: NONE

NOTE: TIME CLOCK/LIGHTING CONTACTOR WIRING 12 AWG
COLOR AS SHOWN. WIRING TO LIGHTS 10 AWG.

**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA**

JOB NO.:
DRAWN: SS
CHECKED: BS
DATE: 2021.11.01
REVISION:
ADDENDUM 3 - 2022.01.11

SCALE: NOTED
SHEET NO.:

E2.3

ENLARGED PLANS
AND DETAILS



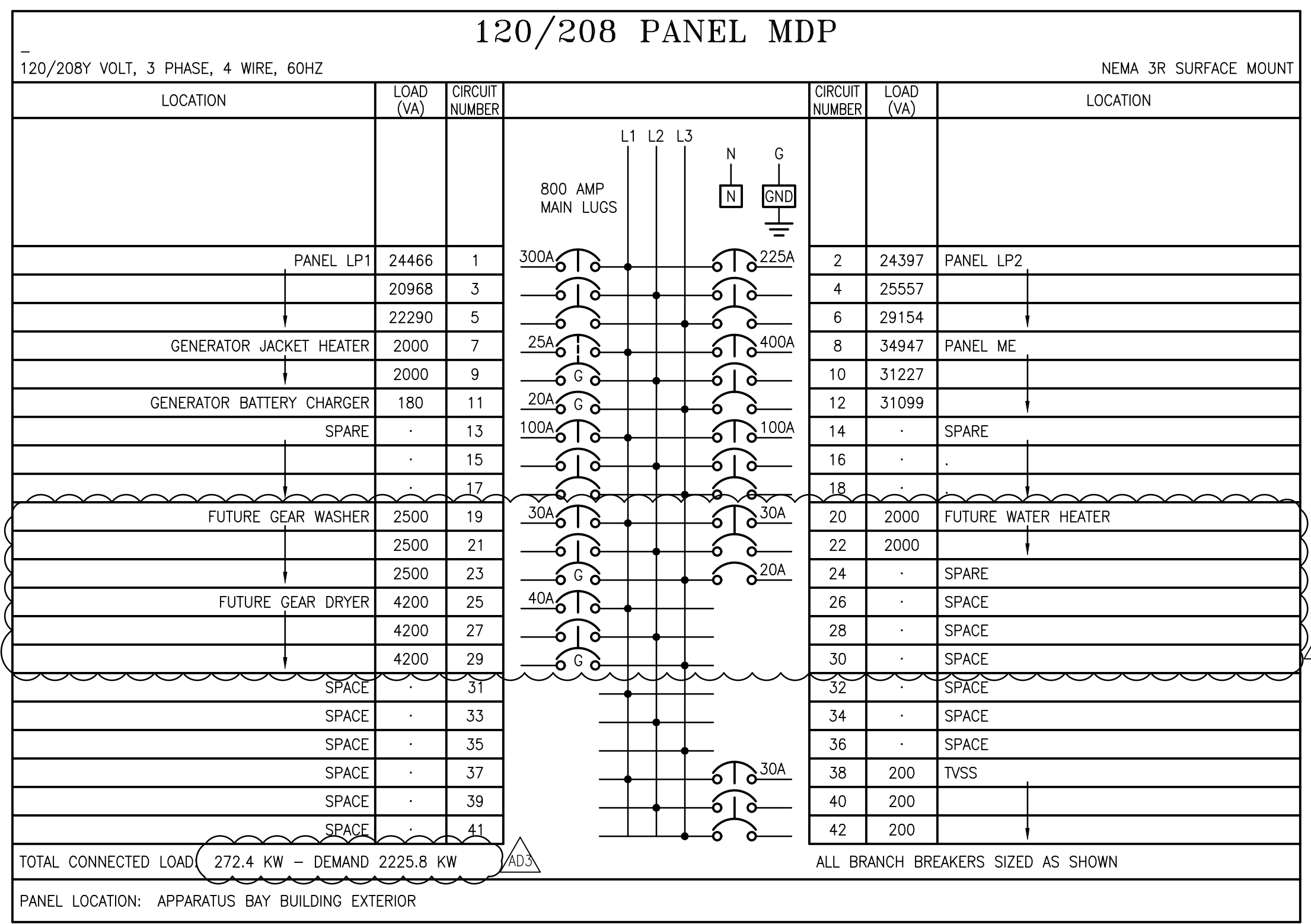
800 Azalea Pk. Mobile, AL 36689 (T) 251-480-4646 (F) 251-480-4645



FOR BID APPROVAL PENDING

ORANGE BEACH FIRE STATION NUMBER 5
ORANGE BEACH ALABAMA

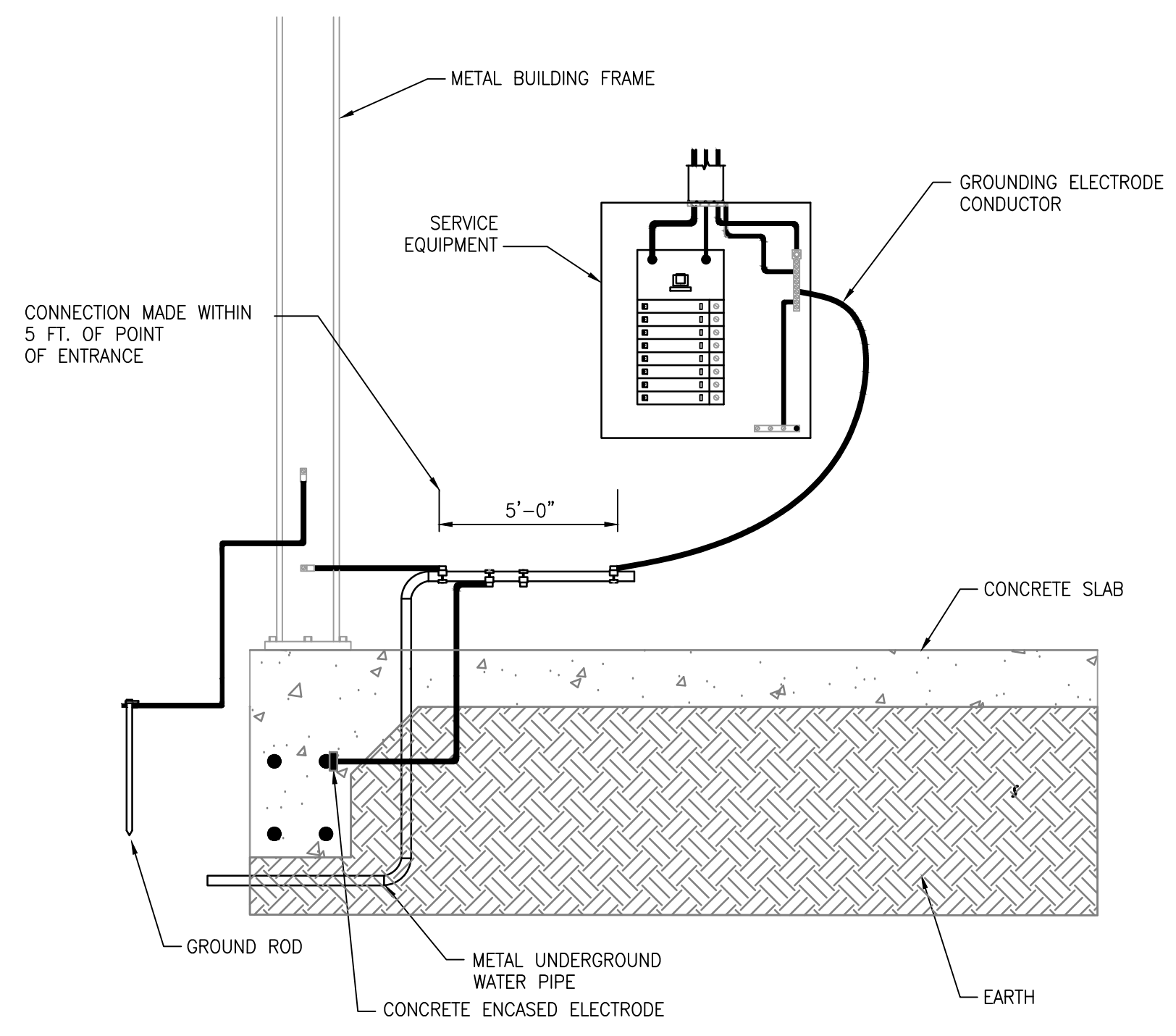
JOB NO.:
DRAWN: SS
CHECKED: BS
DATE: 2021.11.01
REVISION:
ADDENDUM 3 - 2022.01.11
SCALE: NONE
SHEET NO.:
E4.1
& RISER DIAGRAM PANEL SCHEDULES



NOTE: CONTRACTOR SHALL VERIFY SHORT CIRCUIT RATING OF PANELBOARD/BREAKERS IS SUFFICIENT WITH UTILITY PRIOR TO PURCHASING EQUIPMENT.

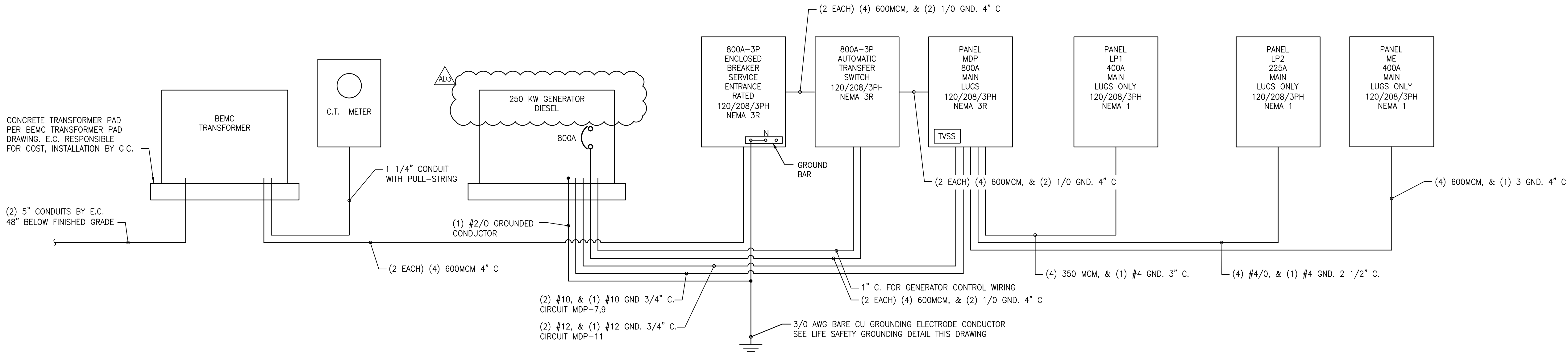
6 G 8 INDICATES GFCI TYPE BREAKER.

Type of Load	VA LOAD PER PHASE			Total VA	Calculations	
	A	B	C		MULTIPLIER	VA LOAD
O Other Loads	2,000	4,980	2500	9,480	1.25	11,850
ON Other Load Non Cont	10,930	16,704	14779	42,413	1	42,413
R Receptacles	21,460	14,008	18720	54,188	1	10,000
Receptacles > 10,000	-	-	-	-	0.65	22,094
K Kitchen	-	-	-	-	0.65	-
E Existing Load	-	-	-	-	1.25	-
L Lighting	4,662	3,022	3354	11,038	1.25	13,797
H Heating Only	33,087	33,087	30591	96,766	1	96,766
C Cooling Only	11,799	10,959	10447	33,204	1	-
M Motors	10,492	5,692	9132	25,316	1	25,316
Total Load (VA)	94,430	88,452	89,523			
Balance	35%	32%	33%			
Largest Motor				14,500	0.25	3,625
Total Load (VA)				272,405		225,861
Current (Amps)				756		627



1 LIFE SAFETY GROUNDING DETAIL
SCALE: NONE

NOTE: PER NEC ARTICLE 250 SECTION III 250.50 ALL GROUNDING ELECTRODES AS DESCRIBED IN 250.52(A)(1) THROUGH (A)(6) THAT ARE AT EACH BUILDING OR STRUCTURE SERVED SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM. WHERE NONE OF THESE GROUNDING ELECTRODES EXIST, ONE OR MORE OF THE GROUNDING ELECTRODES SPECIFIED IN 250.52(A)(4) THROUGH (A)(7) SHALL BE INSTALLED AND USED. ALL WELDS ARE TO BE CAD WELD UNLESS OTHERWISE SPECIFIED.



RISER DIAGRAM

NOTE: ALL CONDUCTORS SHALL BE COPPER.





FOR BID APPROVAL PENDING

ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH ALABAMA

JOB NO.:
DRAWN: SS
CHECKED: BS
DATE: 2021.11.01
REVISION:
ADDENDUM 3 - 2022.01.11
SCALE: NONE
SHEET NO.:
E4.2
PANEL SCHEDULES

120/208 PANEL LP1

120/208Y VOLT, 3 PHASE, 4 WIRE, 60HZ

NEMA 1 SURFACE MOUNT

LOCATION	LOAD (VA)	CIRCUIT NUMBER	CIRCUIT NUMBER	LOAD (VA)	LOCATION
RECEPT: APPARATUS BAY 141 SOUTH	540	1	2	540	RECEPT: APPARATUS BAY 141, EAST BIO 140
RECEPT: APPARATUS BAY 141 D.F.	600	3	4	540	RECEPT: APPARATUS BAY 141, NORTH
RECEPT: APPAR. BAY 141, STORAGE 142, & 143	540	5	6	540	RECEPT: APPARATUS BAY 141, EAST
RECEPT: APPARATUS BAY 141, STORAGE 145	360	7	8	540	RECEPT: EXTERIOR NORTH, EAST & SOUTH
RECEPT: DECON. 137	180	9	10	180	RECEPT: RESTROOM 136
RECEPT: BREAKROOM 139	360	11	12	900	RECEPT: BUNKER GEAR 134
RECEPT: JANITOR 138	180	13	14	180	RECEPT: AIR LOCK 135
SPARE	-	15	16	504	RECEPT: ICE MACHINE
SPARE	-	17	18	504	LIGHTING APPARATUS BAY
LIGHTING	165	21	22	-	SPARE
UNIT HEATER HTR-1, NORTH-WEST	3167	23	24	3167	UNIT HEATER HTR-1, NORTH-EAST
UNIT HEATER HTR-1, SOUTH-WEST	3167	29	30	3167	UNIT HEATER HTR-1, SOUTH-EAST
OVERHEAD DOOR OPERATOR, NORTH-WEST	936	35	36	936	OVERHEAD DOOR OPERATOR, NORTH-CENTER-WEST
OVERHEAD DOOR OPERATOR, NORTH-CENTER-EAST	936	41	42	936	OVERHEAD DOOR OPERATOR, NORTH-EAST
OVERHEAD DOOR OPERATOR, SOUTH-EAST	936	47	48	936	OVERHEAD DOOR OPERATOR, SOUTH-CENTER-EAST
OVERHEAD DOOR OPERATOR, SOUTH-CENTER-WEST	936	53	54	936	OVERHEAD DOOR OPERATOR, SOUTH-WEST
FUME REMOVAL FAN 3 HP (8.4 FLA)	1008	59	60	559	EF-7
RECEPT: TURN OUT TIMER, APPARATUS BAY 141	360	65	62	180	CONTACTOR CONTROL POWER
EF-8	1920	67	64	360	RECEPT: TURN OUT TIMER, APPARATUS BAY 141
SPARE	-	69	66	15	EMERGENCY LIGHT AT ELECTRICAL SERVICE
SPARE	-	71	68	-	SPARE
SPARE	-	73	70	-	SPARE
SPARE	-	75	72	-	SPARE
SPARE	-	77	74	-	SPARE
SPARE	-	79	76	-	SPACE
SPARE	-	81	78	-	SPACE
SPARE	-	83	80	-	SPACE
SPARE	-	-	82	-	SPACE
SPARE	-	-	84	-	SPACE

TOTAL CONNECTED LOAD: 67.7 KW -- DEMAND 68.6 KW

PANEL LOCATION: STORAGE 125

NOTE: CONTRACTOR SHALL VERIFY SHORT CIRCUIT RATING OF PANELBOARD/BREAKERS IS SUFFICIENT WITH UTILITY PRIOR TO PURCHASING EQUIPMENT.

GFI INDICATES GFCI TYPE BREAKER.

ALL BRANCH BREAKERS SIZED AS SHOWN

120/208 PANEL ME

120/208Y VOLT, 3 PHASE, 4 WIRE, 60HZ

NEMA 1 SURFACE MOUNT

LOCATION	LOAD (VA)	CIRCUIT NUMBER	CIRCUIT NUMBER	LOAD (VA)	LOCATION
AHU-1	8880	1	2	8880	AHU-2
HP-1	5040	7	4	8880	HP-2
HP-3 (AHU-3)	2880	13	6	8880	HP-4 (AHU-4)
GRINDER PUMP (2) 2 HP	2500	17	8	5040	CU-5 (AHU-5)
SPARE	-	21	10	5040	SPARE
SPARE	-	23	12	5040	SPARE
SPARE	-	25	14	1440	SPARE
SPARE	-	27	16	1440	SPARE
SPARE	-	29	18	840	SPARE
SPARE	-	31	20	840	SPARE
SPARE	-	33	22	-	SPARE
SPARE	-	35	24	-	SPARE
SPARE	-	37	26	-	SPARE
SPARE	-	39	28	-	SPACE
SPARE	-	41	30	-	SPACE
SPARE	-	-	32	-	SPACE
SPARE	-	-	34	-	SPACE
SPARE	-	-	36	-	SPACE
SPARE	-	-	38	-	SPACE
SPARE	-	-	40	-	SPACE
SPARE	-	-	42	-	SPACE

TOTAL CONNECTED LOAD: 97.2 KW -- DEMAND 67.5 KW

PANEL LOCATION: MECHANICAL 129

NOTE: CONTRACTOR SHALL VERIFY SHORT CIRCUIT RATING OF PANELBOARD/BREAKERS IS SUFFICIENT WITH UTILITY PRIOR TO PURCHASING EQUIPMENT.

GFI INDICATES GFCI TYPE BREAKER.

ALL BRANCH BREAKERS SIZED AS SHOWN

120/208 PANEL LP2

120/208Y VOLT, 3 PHASE, 4 WIRE, 60HZ

TWO SECTION WITH FEED THRU LUGS
NEMA 1 SURFACE MOUNT

LOCATION	LOAD (VA)	CIRCUIT NUMBER	CIRCUIT NUMBER	LOAD (VA)	LOCATION
RECEPT: DORM ROOM 133	720	1	2	720	RECEPT: DORM 132
RECEPT: DORM ROOM 131	720	3	4	720	RECEPT: DORM 130
RECEPT: MECHANICAL ROOM 129	180	5	6	900	RECEPT: OFFICE 128
RECEPT: DAYROOM ROOM 112	540	7	8	600	RECEPT: DAYROOM 112
RECEPT: DAYROOM ROOM 112	540	9	10	720	RECEPT: DAYROOM 112
RECEPT: KITCHEN 111	1600	11	12	1600	RECEPT: KITCHEN REFRIGERATOR 111
RECEPT: REFRIGERATOR KITCHEN 111	1600	13	14	1600	RECEPT: KITCHEN ICEBOX
RECEPT: KITCHEN 111	540	15	16	360	RECEPT: KITCHEN 111
RECEPT: DISHWASHER KITCHEN 111	1600	17	18	360	RECEPT: KITCHEN 111
RECEPT: KITCHEN 111	360	19	20	1600	RECEPT: MICROWAVE KITCHEN 111
RECEPT: KITCHEN STOVE 111	4000	21	22	180	RECEPT: EXERCISE 110
RECEPT: EXERCISE 110	180	25	24	180	RECEPT: EXERCISE 110
RECEPT: EXERCISE 110	180	27	26	180	RECEPT: EXERCISE 110
RECEPT: EXERCISE 110	180	29	28	180	RECEPT: EXERCISE 110
RECEPT: EXERCISE 110	180	31	30	180	RECEPT: EXERCISE 110
RECEPT: EXERCISE 110	180	33	32	400	RECEPT: Tvs EXERCISE 110
RECEPT: EXERCISE 110	180	35	34	180	RECEPT: EXERCISE 110
RECEPT: WATCH 102	360	37	36	900	RECEPT: EMS 109, STORAGE 108
RECEPT: FACP ENTRY LOBBY 101	200	39	38	180	RECEPT: RESTROOM 107
RECEPT: JANITOR 114	180	41	40	720	RECEPT: ENTRY LOBBY 101
RECEPT: WATCH 102	360	43	42	360	RECEPT: WATCH 102
RECEPT: LAUNDRY 113 DRYER	2800	45	44	720	RECEPT: OFFICE 103
RECEPT: DORM 115	720	49	46	540	RECEPT: LAUNDRY 113
RECEPT: DORM 117	720	51	48	1600	RECEPT: LAUNDRY 113 WASHING MACHINE
RECEPT: RESTROOM 125	180	53	49	720	RECEPT: DORM 116
RECEPT: RESTROOM 123	180	55	50	720	RECEPT: DORM 118
RECEPT: STORAGE 106	360	57	51	180	RECEPT: RESTROOM 124
RECEPT: DAYROOM 112	600	59	52	720	RECEPT: STORAGE 122
RECEPT: DAYROOM 112	540	61	53	360	RECEPT: STORAGE 106
RECEPT: EXTERIOR SOUTH	720	63	54	180	RECEPT: EXERCISE 110
RECEPT: CORR. 119, 120, 127	900	65	55	360	RECEPT: EXTERIOR WEST
LIGHTING	1274	67	56	540	RECEPT: STORAGE 106, CORRIDOR 105
LIGHTING	440	69	57	813	LIGHTING
LIGHTING	561	71	58	638	LIGHTING
RECEPT: SIGN	1200	73	59	989	LIGHTING
CEILING FANS	400	75	60	276	LIGHTING PORCH
TIME CLOCK/CONTACTOR	200	77	61	-	SPARE
FIRE HOOD	450	79	62	444	LANDSCAPE LIGHTING
EWH-1	3000	81	63	461	BUILDING EXTERIOR LIGHTING
DISPOSAL, KITCHEN 111	1600	85	64	522.8	TOWER LIGHTING
RECEPT: REMOTE TOUCH SCREEN, WATCH 102	180	87	65	125	HOT WATER CIRCULATING PUMP RP-1
RECEPT: MENU BOARD, DAYROOM 112	180	89	66	720	RECEPT: STORAGE 121
RECEPT: TURN OUT TIMER, CORRIDOR 126	180	91	67	1600	RECEPT: THERMAL PRINTER, WATCH 102
LIGHTING: ATTIC	210	93	68	1600	RECEPT: ALERTING SYSTEM CONTROLLER, STORAGE 106
SPARE	-	95	69	1600	RECEPT: TURN OUT TIMER, CORRIDOR 126
RECEPT: CLOSET, REFRIGERATOR	1600	97	70	360	RECEPT: KITCHEN 111
RECEPT: CLOSET, REFRIGERATOR	1600	99	71	180	RECEPT: ATTIC
SIGN LIGHTS	180	101	72	1600	RECEPT: CLOSET, REFRIGERATOR
SPARE	-	103	73	1600	RECEPT: CLOSET, REFRIGERATOR
SPARE	-	105	74	473	AREA LIGHTING
SPARE	-	107	75	473	AREA LIGHTING
SPARE	-	109	76	338	AREA LIGHTING
SPARE	-	111	77	-	SPARE
SPARE	-	113	78	-	SPARE
SPARE	-	115	79	-	SPARE
SPARE	-	117	80	-	SPACE
SPARE	-	119	81	-	SPACE
SPARE	-	121	82	-	SPACE
SPARE	-	123	83	-	SPACE
SPARE	-	125	84	-	SPACE

TOTAL CONNECTED LOAD: 78.9 KW -- DEMAND 64.1 KW

PANEL LOCATION: MECHANICAL 129

NOTE: CONTRACTOR SHALL VERIFY SHORT CIRCUIT RATING OF PANELBOARD/BREAKERS IS SUFFICIENT WITH UTILITY PRIOR TO PURCHASING EQUIPMENT.

ALL BRANCH BREAKERS SIZED AS SHOWN





FOR BID APPROVAL PENDING

ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH ALABAMA

JOB NO.:
DRAWN: SS
CHECKED: ML
DATE: 2021.11.01
REVISION:
ADDENDUM 3 - 2022.01.11

SCALE: NOTED

SHEET NO.:

T1.1
TELECOMMUNICATIONS PLAN SHEET 1 OF 2

KEYED NOTES:

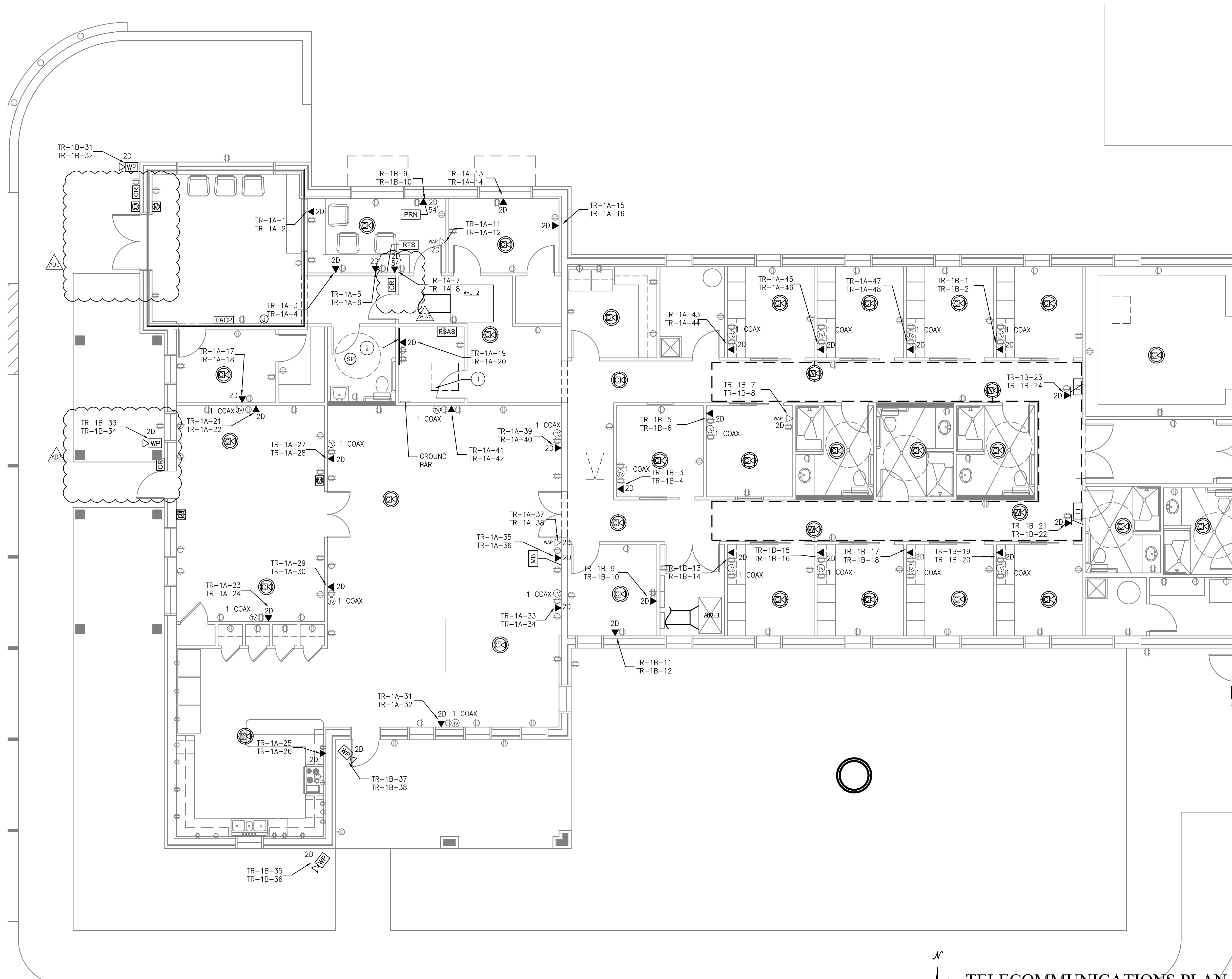
- 1 PROVIDE I.T. RACK (SIZED AS REQUIRED) WITH PUNCH DOWN BLOCKS AND PATCH PANEL. PUNCH DOWN ALL CAT6 CABLES.
- 2 48"x48"x3/4" PLYWOOD TELEPHONE BACKBOARD, PROVIDE #6 CU GROUNDING CONDUCTOR FROM BACKBOARD TO SERVICE ENTRANCE POINT GROUNDING BUS.

LEGEND

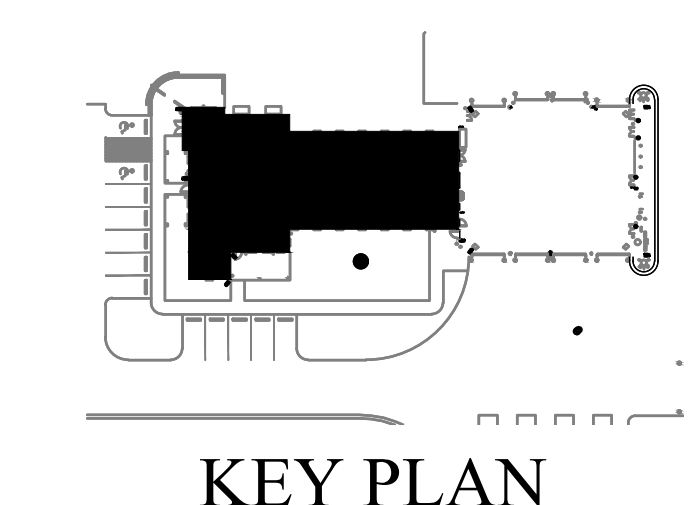
- FSAS ALERTING SYSTEM CONTROLLER RACK LOCATION.
- PRN ALERTING SYSTEM THERMAL PRINTER. PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- RTS REMOTE TOUCH SCREEN. PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- Interior ceiling speaker, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- Interior wall speaker, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- Interior ceiling speaker and LED LIGHTS, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- Interior wall speaker and LED LIGHTS, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- APPARATUS BAY AND EXTERNAL HIGH POWER SPEAKER, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- CEILING MOUNTED RED STROBE LIGHT, PROVIDE 4x4 CEILING BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- MB MESSAGE BOARD. PROVIDE SINGLE GANG WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- TT TURN OUT TIMER. PROVIDE SINGLE GANG WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- DOORBELL PUSHBUTTON, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- MANUAL PUSHBUTTON, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- VOLUME CONTROL, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.

- NOTES:
- 1. SEE E1.1 FOR ADDITIONAL TELECOMMUNICATIONS SYMBOLS.
 - 2. E.C. TO PROVIDE ALL ITEMS BELOW ASSOCIATED WITH THE PURVIS ALERTING SYSTEM
- A. PERMIT.
 - B. ALL WIRE.
 - C. ALL WIRE RUNS.
 - D. CLEARLY TAG AND LABEL ALL WIRE RUNS.
 - E. PROVIDE AND INSTALL ALL WIRING MATERIALS (HANGERS, CONDUIT, SURFACE MOLD, WIRE TIES, BOXES, ETC.)
 - F. ALL 120V CONNECTIONS.
 - G. ELECTRICAL POWER WHERE NEEDED (DEDICATED AND UNDEDICATED).
 - H. PROVIDE COMPLETE SYSTEM INSTALLATION (INCLUDING HEAD END EQUIPMENT).
 - I. PROVIDE AS BUILT DRAWINGS.
 - J. PROVIDE 1 YEAR OF SYSTEM WARRANTY ON LABOR AND MATERIALS.
 - K. PROVIDE ON-SITE REPRESENTATIVE WHEN FINAL CONNECTIONS ARE MADE.

SEE T1.2 FOR CONTINUATION



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



KEY PLAN





FOR BID APPROVAL PENDING

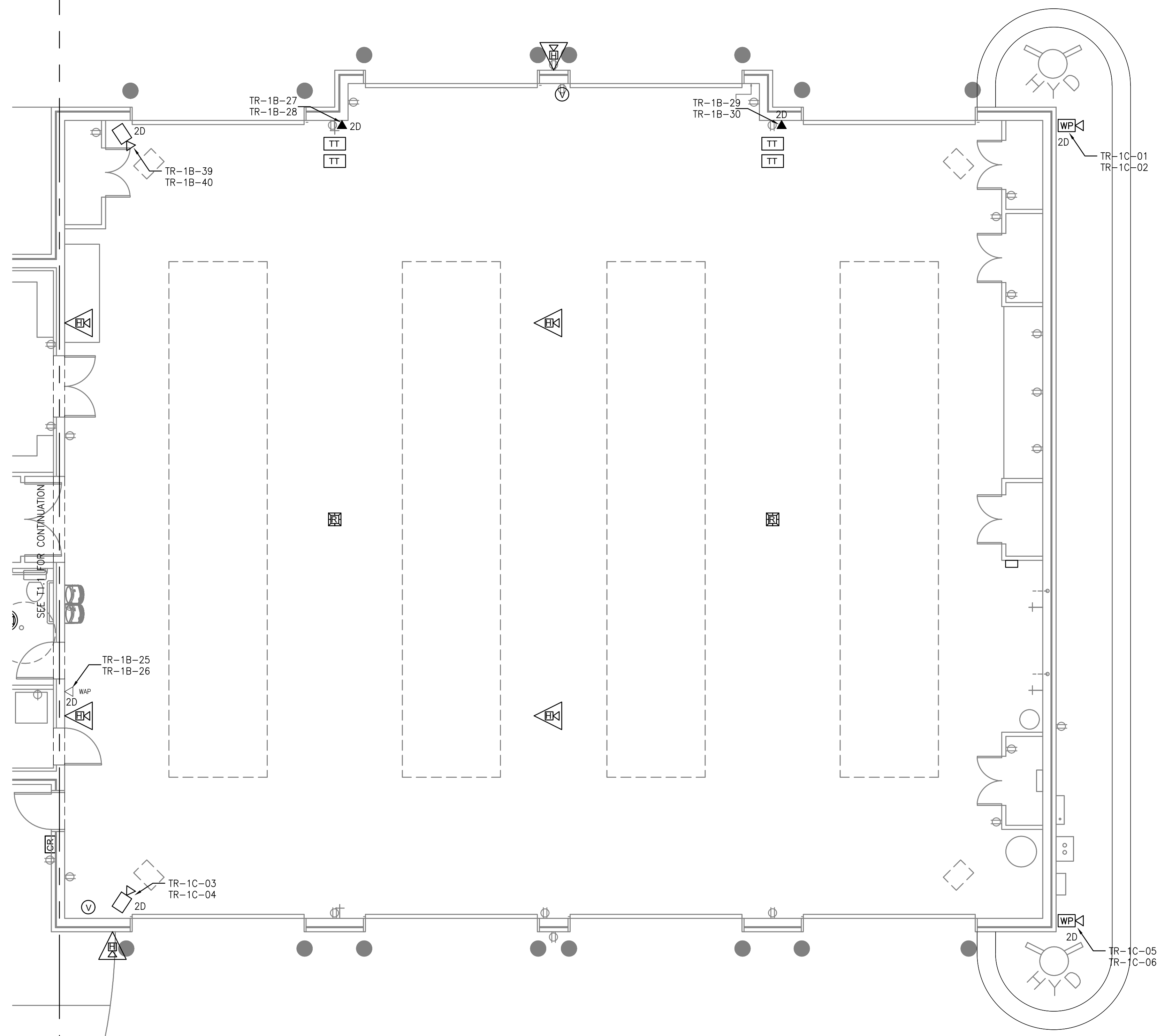
**ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH ALABAMA**

JOB NO.:
DRAWN: SS
CHECKED: ML
DATE: 2021.11.01
REVISION:
ADD 3 - 2022.01.11
SCALE: NOTED
SHEET NO.:
T1.2
TELECOMMUNICATIONS PLAN SHEET 2 OF 2

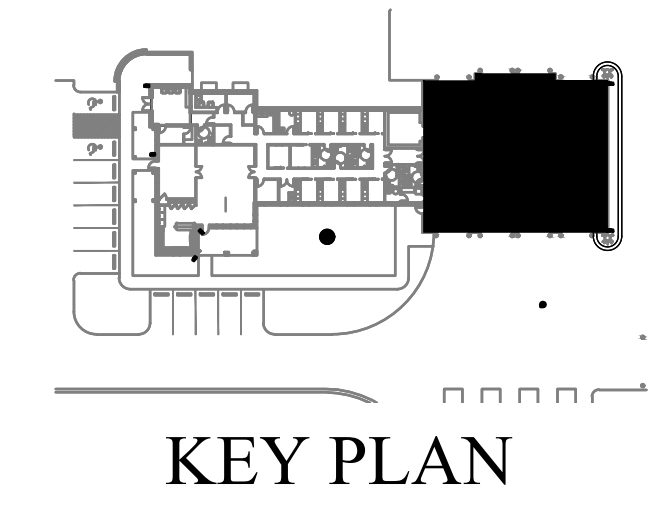
LEGEND

- FSAS ALERTING SYSTEM CONTROLLER RACK LOCATION.
- ALERTING SYSTEM THERMAL PRINTER, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- REMOTE TOUCH SCREEN, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- INTERIOR CEILING SPEAKER, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- INTERIOR WALL SPEAKER, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- INTERIOR CEILING SPEAKER AND LED LIGHTS, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- INTERIOR WALL SPEAKER AND LED LIGHTS, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- APPARATUS BAY AND EXTERNAL HIGH POWER SPEAKER, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- CEILING MOUNTED RED STROBE LIGHT, PROVIDE 4x4 CEILING BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- MESSAGE BOARD, PROVIDE SINGLE GANG WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- TURN OUT TIMER, PROVIDE SINGLE GANG WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- DOORBELL PUSHBUTTON, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- MANUAL PUSHBUTTON, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.
- VOLUME CONTROL, PROVIDE 4x4 WALL BOX WITH 3/4" C. TO ALERTING SYSTEM CONTROLLER RACK.

- NOTES:
1. SEE E1.1 FOR ADDITIONAL TELECOMMUNICATIONS SYMBOLS.
 2. E.C. TO PROVIDE ALL ITEMS BELOW ASSOCIATED WITH THE PURVIS ALERTING SYSTEM
 - A. PERMIT.
 - B. ALL WIRE.
 - C. ALL WIRE RUNS.
 - D. CLEARLY TAG AND LABEL ALL WIRE RUNS.
 - E. PROVIDE AND INSTALL ALL WIRING MATERIALS (HANGERS, CONDUIT, SURFACE MOLD, WIRE TIES, BOXES, ETC.)
 - F. ALL 120V CONNECTIONS.
 - G. ELECTRICAL POWER WHERE NEEDED (DEDICATED AND UNDEDICATED).
 - H. PROVIDE COMPLETE SYSTEM INSTALLATION (INCLUDING HEAD END EQUIPMENT).
 - I. PROVIDE AS BUILT DRAWINGS.
 - J. PROVIDE 1 YEAR OF SYSTEM WARRANTY ON LABOR AND MATERIALS.
 - K. PROVIDE ON-SITE REPRESENTATIVE WHEN FINAL CONNECTIONS ARE MADE.



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

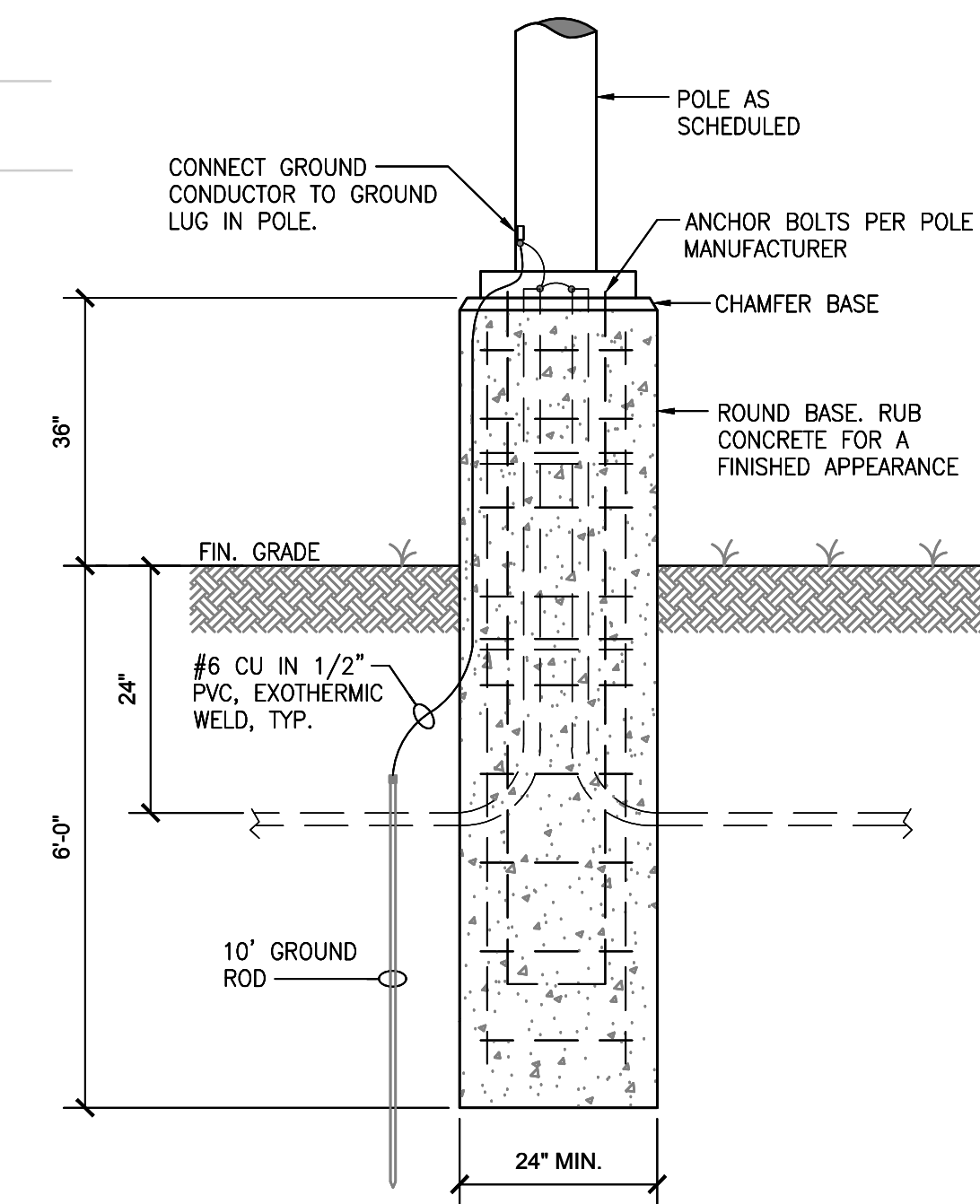
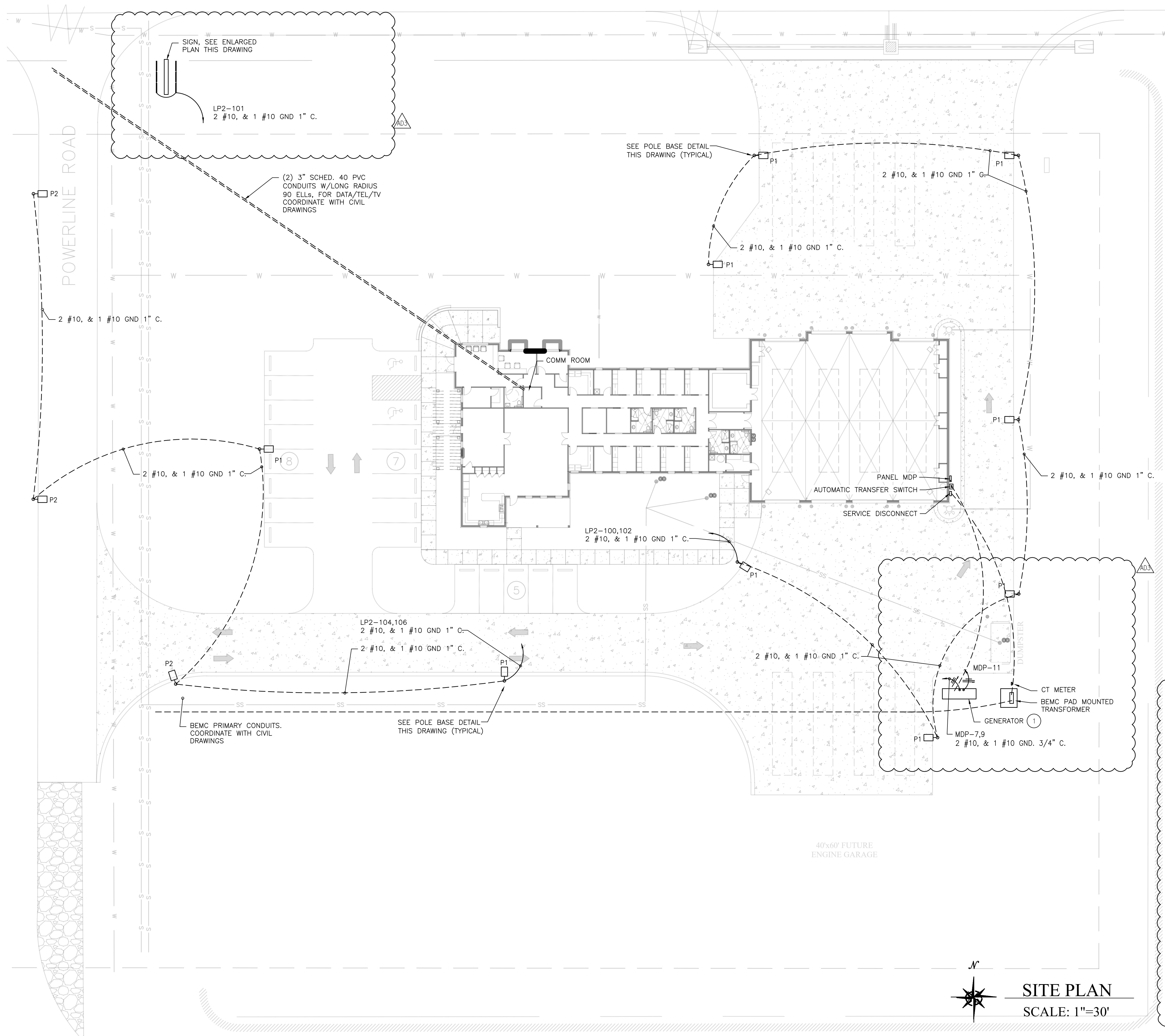




McCOLLOUGH ARCHITECTURE, INC.
P.O. BOX 6310
GULF SHORES, ALABAMA
36547-6310
PHONE: 251-968-7222

FOR BID
APPROVAL
PENDING

ORANGE BEACH
FIRE STATION NUMBER 5
ORANGE BEACH
ALABAMA



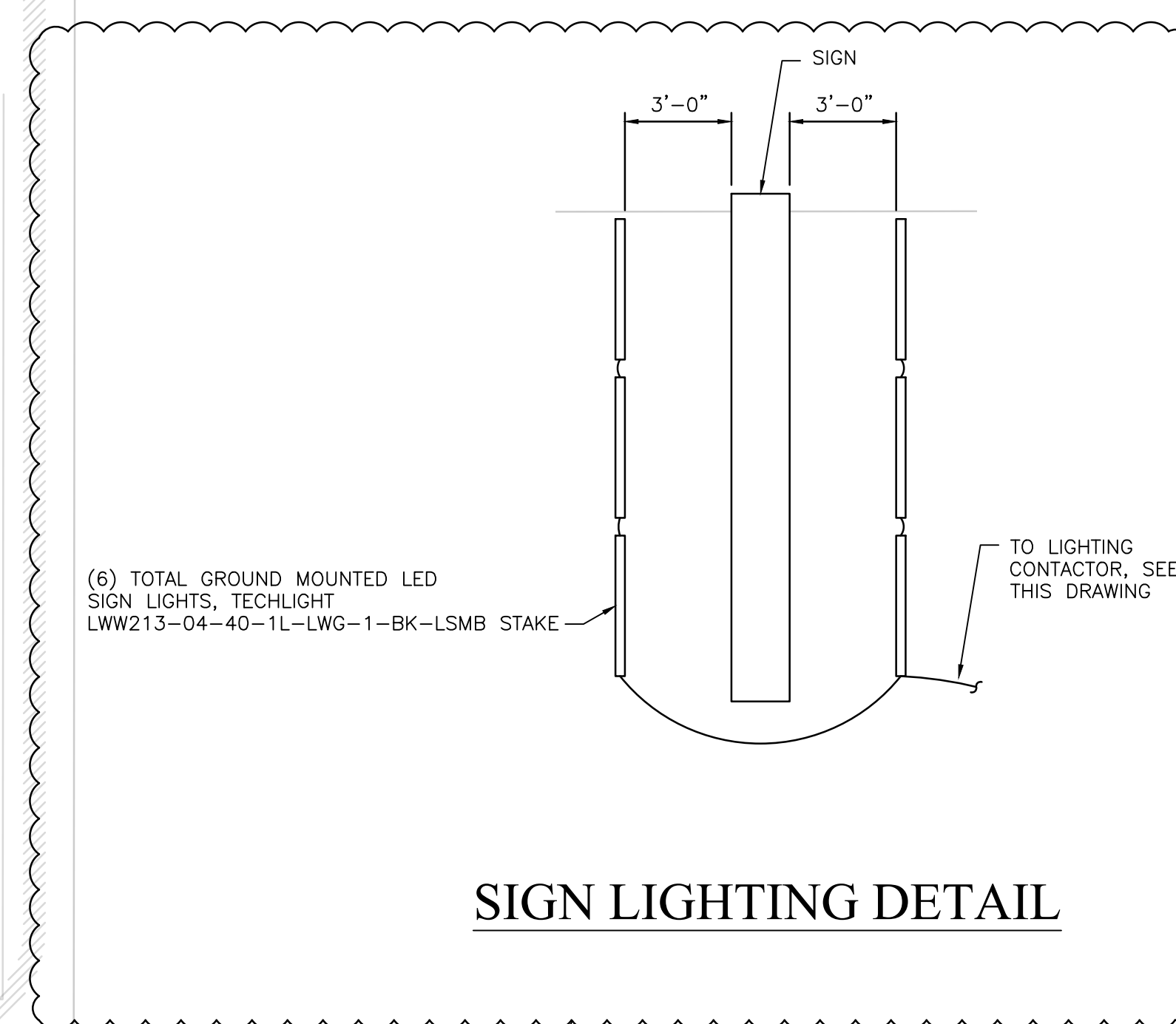
NOTE: CONTRACTOR SHALL VERIFY DIMENSIONS OF POLE BASE AND PROVIDE CONCRETE BASE A MINIMUM OF 6" LARGER ON EACH SIDE THAN ANCHOR BOLT CIRCLE.

**SITE LIGHTING LUMINAIRE
POLE BASE DETAIL**
NO SCALE

**POLE BASE FOR PRICING ONLY
FINAL DESIGN BY STRUCTURAL ENGINEER**

KEYED NOTES:

- 1 COORDINATE ALL CONDUIT STUB UP REQUIREMENTS IN GENERATOR SLAB PRIOR TO POURING. SEE RISER DIAGRAM.



SIGN LIGHTING DETAIL

SITE PLAN
SCALE: 1"=30'



JOB NO.:	
DRAWN:	
CHECKED:	
DATE:	2021.11.01
REVISION:	
AD3	ADDENDUM 3 - 2022.01.11
SCALE:	NOTED
SHEET NO.:	
UE.1	
UTILITIES SITE PLAN	