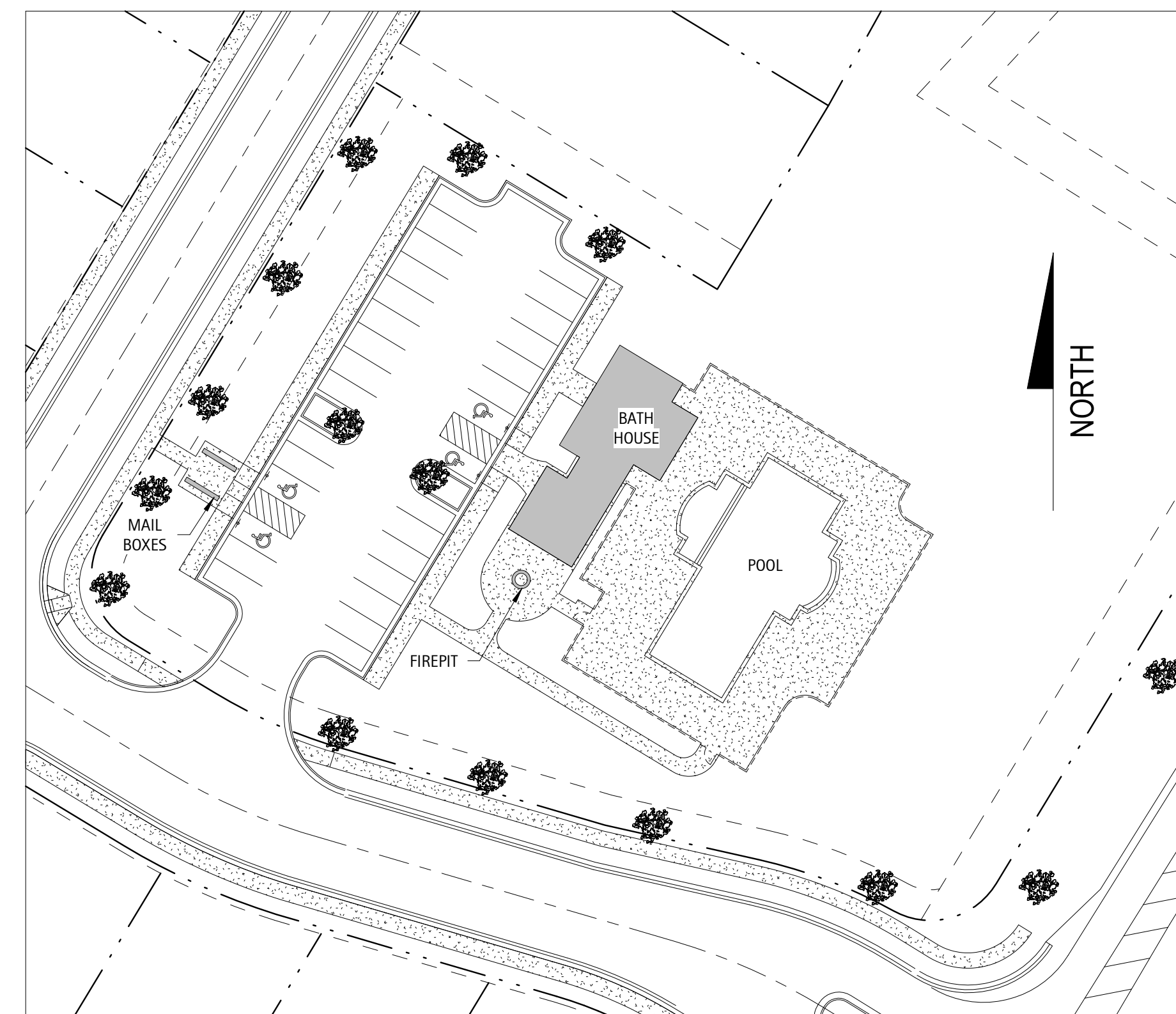


VICINITY MAP

HONEYCUTT OAKS

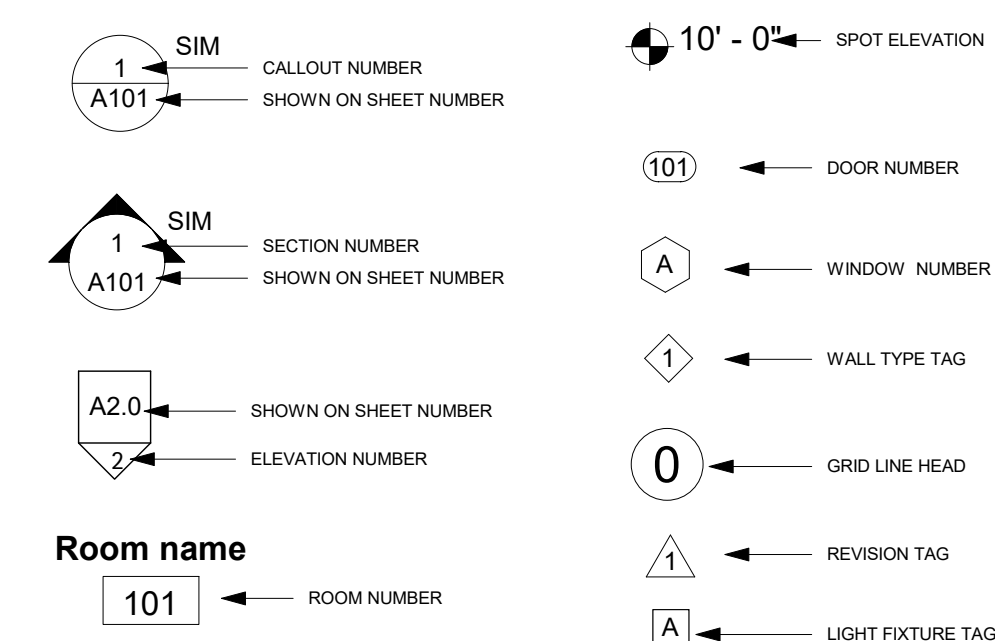
BATHHOUSE & POOL

ANGIER, NC



SITE MAP

SYMBOLS

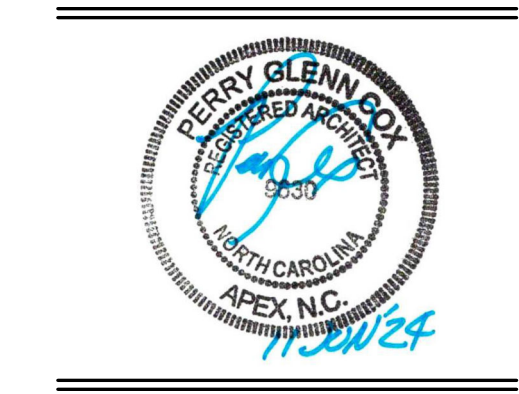
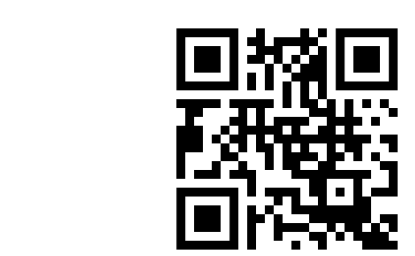


DRAWING INDEX

- G0.1 COVER SHEET
- G0.2 BUILDING CODE SUMMARY
- G0.3 LIFE SAFETY PLAN
- G0.4 GENERAL NOTES
- A1.0 FOUNDATION PLANS & DETAILS
- A1.1 FIRST FLOOR PLAN
- A1.2 RCP & ROOF PLANS
- A2.0 EXTERIOR ELEVATIONS
- A2.1 EXTERIOR ELEVATIONS
- A3.0 BUILDING SECTIONS
- A3.1 WALL SECTIONS & DETAILS
- A4.0 GENERAL BUILDING DETAILS
- A5.0 SCHEDULES & DETAILS
- S1 SLAB & FOUNDATION PLAN
- S2 CEILING FRAMING PLAN
- S3 ROOF FRAMING PLAN
- S4 STRUCTURAL NOTES & DETAILS

DRAWING INDEX

- P1 PLUMBING NOTES & SCHEDULES
- P2 SANITARY & WATER SUPPLY PLANS
- P3 PLUMBING RISERS
- M1 MECHANICAL NOTES, PLANS, & SCHEDULES
- E1 ELECTRICAL NOTES & SCHEDULES
- E2 LIGHTING & POWER PLANS
- E3 PANEL SCHEDULES & RISERS
- SP1.0 POOL DIMENSION PLAN
- SP2.0 POOL LAYOUT PLAN
- SP3.0 POOL PIPING & PUMPROOM PLAN
- SP4.0 POOL SECTIONS & DETAILS
- SP4.1 POOL SECTIONS & DETAILS
- SP5.0 POOL SPECIFICATIONS
- SP5.1 POOL SPECIFICATIONS
- SP5.2 POOL SPECIFICATIONS



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DATE	
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SHEET DISCRPTION	COVER SHEET
PROJECT #:	2022038
DATE ISSUED:	06/11/2024
DRAWING BY:	JGM
CHECKED BY:	PBC/DSC

HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC

G0.1

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ROSS LINDEN ENGINEERS PC
709 W. JONES STREET - RALEIGH, NC 27603
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THE BUILDING & DEVELOPMENT CO.
2506 RELIANCE AVE. APEX, NC 27539
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POOL DECK NON-ACCESSIBLE AREA
3,475 SQ FT / 15 SQ FT PER PERSON:
232 PEOPLE

8' CLEAR DECK AREA
2,086 SQ FT / 15 SQ FT PER PERSON:
140 PEOPLE

POOL AREA
2,390 SQ FT / 50 SQ FT PER PERSON:
48 PEOPLE

COVERED PORCH:
415 SQ FT / 15 SQ FT PER PERSON:
28 PEOPLE

**TOTAL A-3 OCCUPANT LOAD
(INSIDE FENCE):**
448 PEOPLE

48" COMMERCIAL GRADE GATE. ALL GATE POST TO BE 4x4 SQ STEEL, PRIMED AND PAINTED BLACK. SEE FENCE DETAIL ON SP4.8

ALL ACCESS POINTS MUST BE SELF CLOSING & LATCHING WITH PANIC HARDWARE AT ALL EXITS.

125 OCC.
(1) 48" GATE = 46" CLEAR HORIZONTAL EXIT
46"/2 = 230 MAX OCC. PER NCSBC 1005

48" COMMERCIAL GRADE GATE. ALL GATE POST TO BE 4x4 SQ STEEL, PRIMED AND PAINTED BLACK. SEE FENCE DETAIL ON SP4.8

ALL ACCESS POINTS MUST BE SELF CLOSING & LATCHING WITH PANIC HARDWARE AT ALL EXITS.

125 OCC.
(1) 48" GATE = 46" CLEAR HORIZONTAL EXIT
46"/2 = 230 MAX OCC. PER NCSBC 1005

48" COMMERCIAL GRADE GATE. ALL GATE POST TO BE 4x4 SQ STEEL, PRIMED AND PAINTED BLACK. SEE FENCE DETAIL ON SP4.8

ALL ACCESS POINTS MUST BE SELF CLOSING & LATCHING WITH PANIC HARDWARE AT ALL EXITS.

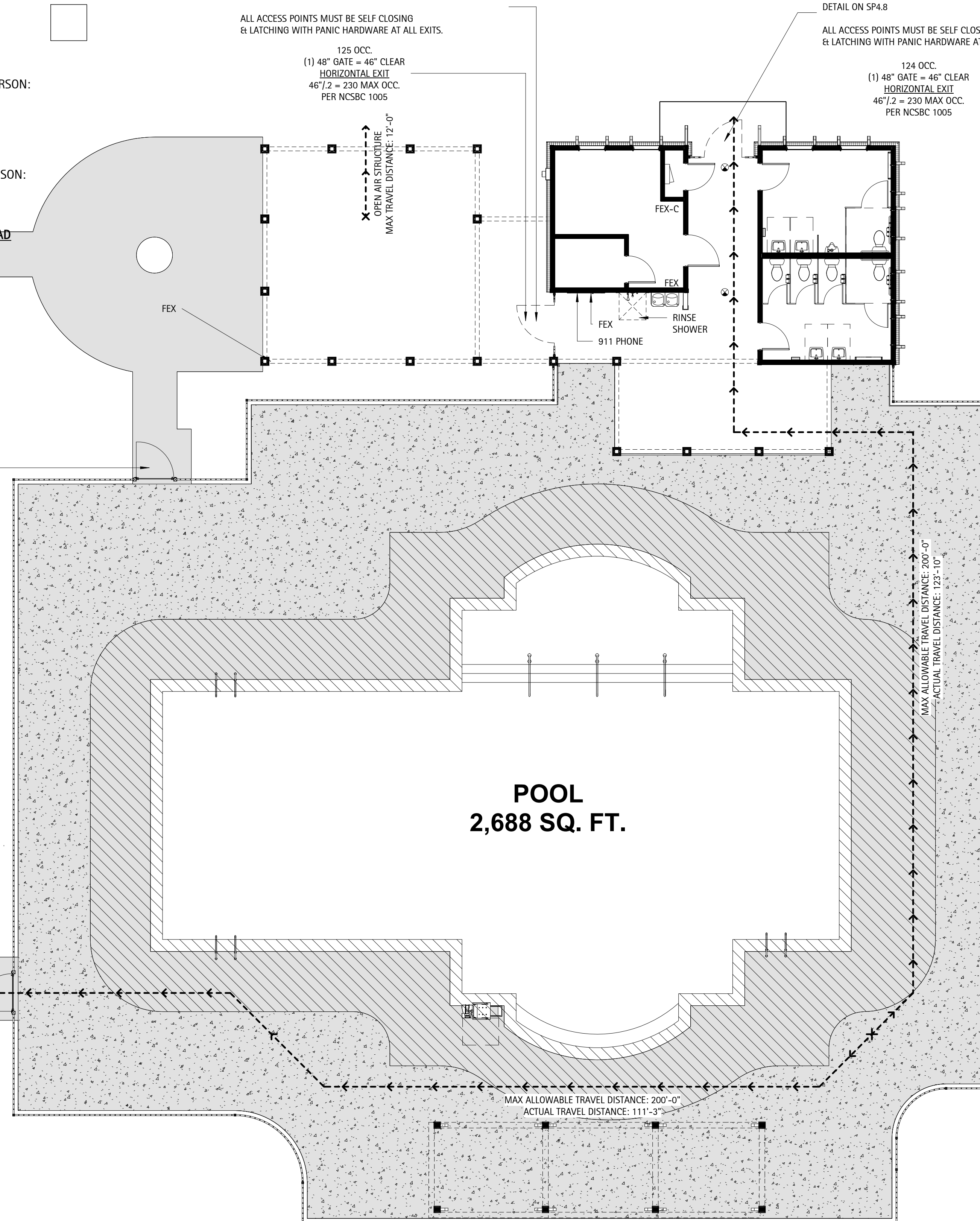
125 OCC.
(1) 48" GATE = 46" CLEAR HORIZONTAL EXIT
46"/2 = 230 MAX OCC. PER NCSBC 1005

48" COMMERCIAL GRADE GATE. ALL GATE POST TO BE 4x4 SQ STEEL, PRIMED AND PAINTED BLACK. SEE FENCE DETAIL ON SP4.8

ALL ACCESS POINTS MUST BE SELF CLOSING & LATCHING WITH PANIC HARDWARE AT ALL EXITS.

124 OCC.
(1) 48" GATE = 46" CLEAR HORIZONTAL EXIT
46"/2 = 230 MAX OCC. PER NCSBC 1005

SAFETY EQUIPMENT LIFE HOOK & POLE, THROW ROPE, 24" LIFE RING



POOL
2,688 SQ. FT.

MAX ALLOWABLE TRAVEL DISTANCE: 200'-0"
ACTUAL TRAVEL DISTANCE: 111'-3"

MAX ALLOWABLE TRAVEL DISTANCE: 200'-0"
ACTUAL TRAVEL DISTANCE: 123'-10"

OPEN AIR STRUCTURE
MAX TRAVEL DISTANCE: 12'-0"

1
G0.3 **Life Safety Plan**
1/8" = 1'-0"

OCCUPANCY SCHEDULE CLUBHOUSE					
Room Number	Room Name	Type	Occupancy		
			Area	Load Factor	Load Count
100	ENTRY	N/A	31 SF	0 SF	
101	HALL	N/A	123 SF	0 SF	
103	ELEC.	Accessory Storage Areas, Mechanical Equipment Room	11 SF	300 SF	1
104	MENS	N/A	164 SF	0 SF	
105	PUMP ROOM	Accessory Storage Areas, Mechanical Equipment Room	156 SF	300 SF	1
106	WOMENS	N/A	162 SF	0 SF	
107	CHEM.	Accessory Storage Areas, Mechanical Equipment Room	43 SF	300 SF	1
108	COVERED PORCH	Assembly - Unconcentrated (tables and chairs)	415 SF	15 SF	28
109	COVERED PAVILLION	Assembly - Unconcentrated (tables and chairs)	708 SF	15 SF	48
Grand total			1813 SF		79

OCCUPANCY SCHEDULE POOL					
Room Number	Room Name	Type	Occupancy		
			Area	Load Factor	Load Count
PL100	POOL	Swimming Pool water surface	2688 SF	50 SF	54
PL101	8'-0" CLEAR AREA	Swimming Pool Deck	2347 SF	15 SF	157
PL102	POOL DECK	Swimming Pool Deck	3796 SF	15 SF	254
Grand total			8831 SF		465

GENERAL LIFE SAFETY NOTES:

- USE: PRIMARY LOAD FACTOR: A-3 (ASSEMBLY) UNCONCENTRATED TABLES & CHAIRS (15 SF)
- OCCUPANT LOAD: 544 PPL
- CONSTRUCTION TYPE: V-B
- SPRINKLERS: NO
- REQUIRED EXITS: 3
- PROVIDED EXITS: 4
- DIAGONAL DISTANCE: 134'-0"
- REQUIRED EXIT SEPARATION: 134'-0"/2 = 67'-0"
- PROVIDED EXIT SEPARATION: 114'-5"
- REQUIRED EGRESS WIDTH: 103.4"
- PROVIDED EGRESS WIDTH: 184"
- MAXIMUM COMMON PATH OF TRAVEL: 75'-0"
- MAXIMUM ALLOWABLE TRAVEL DISTANCE: 200'-0"
- ACTUAL MAX TRAVEL DISTANCE: 123'-10"

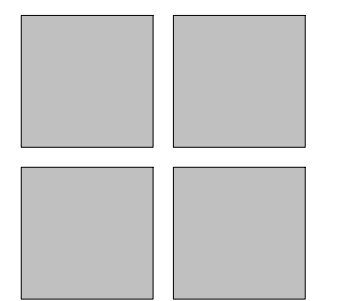
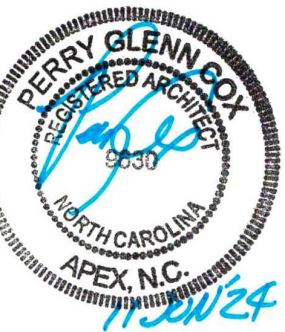
GENERAL PLUMBING NOTES:

- USE: A-3 (ASSEMBLY)
- OCCUPANT LOAD: 544 PPL / 2 = 272 PPL
- REQUIRED MALE WATER CLOSETS: 2 (1 PER 125 PPL)
- REQUIRED FEMALE WATER CLOSETS: 4 (1 PER 65 PPL)
- PROVIDED MALE WATER CLOSETS: 2 WC & 1 URINAL
- PROVIDED FEMALE WATER CLOSETS: 4
- REQUIRED MALE LAVATORIES: 3 (1 PER 200)
- REQUIRED FEMALE LAVATORIES: 2 (1 PER 200)
- PROVIDED MALE LAVATORIES: 2
- PROVIDED FEMALE LAVATORIES: 2
- REQUIRED WATERCOOLERS: 2 (1 PER 500)
- PROVIDED WATERCOOLERS: 2
- REQUIRED SERVICE SINKS: 1
- PROVIDED SERVICE SINKS: 1(HOSE BIB & FLOOR DRAIN)

LIFE SAFETY SYMBOL LEGEND	
	EMERGENCY EXIT
FEX	SEMI-RECESSED 'ABC' TYPE FIRE EXTINGUISHER TO MEET NFPA-10 STANDARDS. MOUNT @ 15" MIN. - 48" MAX A.F.F.
FEX-C	BRACKET MOUNTED WATER TYPE FIRE EXTINGUISHER TO MEET NFPA-10 STANDARDS. MOUNT @ 15" MIN. - 48" MAX A.F.F.
	INDICATES TRAVEL DIRECTION



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DATE	REVISION	NO.

SHEET DISCRPTION

LIFE SAFETY PLAN

PROJECT #: 2022038
DATE ISSUED: 06/11/2024
DRAWING BY: JGM
CHECKED BY: PGC/DSC

**HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC**

G0.3

GENERAL NOTES

- The General Contractor shall be both licensed and bonded in North Carolina and shall provide documents upon the Architect's request.
- The Work shall be done in accordance with all rules and regulations of the North Carolina State Building Code 2018 along with city, county, and state regulations. The General Contractor is responsible for securing and paying for all permits required for the Work and for the scheduling of all required inspections during the course of the Work.
- General Contractor shall be responsible for the provisions for job safety. These drawings do not contain provisions for job safety.
- Dimensions are to face of framing unless otherwise noted.
- Do not scale drawings. Stated & written dimensions govern. The General Contractor shall verify all dimensions in the field and shall be responsible for their accuracy. No extra charge or compensation shall be allowed because of difference between actual dimensions and those indicated on the drawings, unless they contribute to a change in the scope of the Work. Any difference which may be found shall be submitted to the Architect for decision prior to ordering, manufacturing, or proceeding with the Work. Horizontal dimensions indicated are to/from face of finish, unless noted otherwise. Vertical dimensions are from top of floor slab except where noted to be above finished floor (AFF). Dimensions are not adjustable without approval of Architect unless noted +/-.
- General Contractor shall be responsible for comparing all dimensions in the construction documents and existing conditions in the field.
- Framing Subcontractor shall coordinate framing with locations of HVAC vents, plumbing and light fixtures so as to avoid conflict.
- The General Contractor shall provide protection and be responsible for any existing finishes to remain and shall repair or replace any damaged areas as a result of the work. All existing finishes to remain shall be cleaned at the completion of construction.
- All materials and systems shall be installed as per manufacturer's specifications and all construction shall be of industry standard or better. The Architect shall be ultimate judge of quality.
- Only new items of recent manufacture, of standard quality, free from defects, will be permitted in the Work, unless otherwise noted. Rejected items shall be removed immediately from the Work and replaced with items of the quality specified. Failure to remove rejected materials and equipment shall not relieve the General Contractor from the responsibility for quality of items used nor from any other obligation imposed on him by the Contract.
- General Contractor shall be responsible for notifying the Architect immediately of construction deviating from depicted or implied information here-in. In the event of conflict between data shown on drawings and data shown in the specification, the specification shall govern. Detail drawings take precedence over drawings of larger scope. Should the General Contractor at any time discover an error in a drawing or specification, or any discrepancy, or variation between dimensions on the drawings and measurements at site, or lack of dimensions or other information, the Contractor shall not proceed with the work affected until clarification has been made by the Architect. In case of an inconsistency between Drawings and Specifications or within either Document, not clarified by addendum, the more specific provision will take precedence over less specific; more specific will take precedence over less stringent; more expensive item will take precedence over less expensive. Better quality or greater quantity of Work shall be provided in accordance with Architect's interpretation. On Drawings, figures take precedence over scaled dimensions. Scaling of dimensions, if done, is done at the Contractor's own risk.
- General Contractor shall verify that no conflicts exist in locations of any and all mechanical, telephone, electrical, plumbing and sprinkler equipment (to include all piping, duct work, sprinklers structural members and conduit) and that clearances for installation and maintenance of above equipment is provided. Elements in conflict shall be determined and reviewed with the Architect prior to work proceeding. Contractor to coordinate new work with existing conditions.
- The General Contractor shall provide shop drawings for the Architect's review and approval for the following: All shop fabricated millwork, carpet layout, flooring, light fixtures, doors, misc. steel, metal fabrication, glass/glazing, sprinkler layouts, hardware. Shop drawings shall be submitted in the form of 3 sets of prints. Shop drawings shall not be reproductions of Contract Documents. Material Submittals (3 samples) shall be provided for wood, fasteners, acrylic, carpet, tile, base, paint, laminate and any other materials indicated in the shop drawing.
- The General Contractor shall provide the Architect with manufacturer's cut sheets and specifications for all equipment including but not limited to: light fixtures, plumbing equipment, electrical equipment, fans, supplementary heating and cooling elements, all hardware and security equipment. General contractor shall be responsible for verifying all field dimensions prior to ordering equipment and/or casework.
- The General Contractor shall not proceed with work for which he expects additional compensation beyond the contract amount with out written authorization from the Architect and Owner. Failure to obtain such authorization shall invalidate a claim for extra compensation. The Contractor shall not proceed with work which, if completed in strict conformance with the Construction Documents, will result in additional work beyond the scope of the Contract without written authorization from the Architect and Owner. Any field conditions that significantly vary from the Contract Documents or will result in additional work, shall be brought to the attention of the Architect prior to proceeding with work.
- Contractor shall include all x-ray and core drill costs. All core drilling of the slab shall be approved by the Landlord's Structural Engineer prior to proceeding with the Work. Contractor shall submit proposed locations to Architect and Structural Engineer for review prior to proceeding with the work.
- Patch, repair and install all fireproofing as required by code. Fireproof any new penetrations required by the work.
- General Contractor to coordinate and review size and location of all slab penetrations. All required penetrations shall be made in accordance with the Owner's standard approval procedures and methods. All penetrations shall be properly sealed according to the Architect and the Owner's requirements and applicable codes.
- The General Contractor shall continuously check architectural and structural clearances for accessibility of equipment and mechanical and electrical systems. No allowances of any kind will be made for the General Contractor's negligence to foresee means of installing equipment into position.
- The finished work shall be firm, well-anchored, in true alignment, plumb, level, with smooth, clean, uniform, appearance without waves, distortions, holes, marks, cracks, stains, or discoloration. Joining shall be close fitting, neat and well scribed. The finished work shall have no exposed unsightly anchors or fasteners and shall not present hazardous, unsafe corners. All work shall have the provision for expansion, contraction and shrinkage as necessary to prevent cracks, buckling, and warping due to temperature and humidity conditions.

GENERAL NOTES

- Attachments, connections or fasteners of any nature are to properly and permanently be secured in conformance with best practice and the General Contractor is responsible for improving them accordingly. The drawings highlight special conditions only and by no means illustrate every connection. The Contractor is responsible for improving connection accordingly.
- General Contractor shall waive "Common Practice" and "Common Usage" as construction criteria wherever details and Contract Documents of governing codes, ordinances, etc. require quantity or better quality than common practice or common usage would require.
- The General Contractor shall submit shop drawings and submittals order and schedule delivery of materials in ample time to avoid delays in construction. If an item is found to be unavailable or to have a long lead time, the General Contractor shall notify Architect immediately with a proposed alternative.
- The General Contractor shall notify the Owner, the Landlord, and the Architect in writing of any deficiencies, errors, conflicts or omissions found in the construction documents and/or specifications prior to the commencement of the work in this area. Any unreported deficiencies will become the responsibility of the General Contractor to correct.
- The General Contractor shall exercise extreme care and precaution during the construction of the Work, and schedule work, to minimize disturbances to adjacent spaces and/or structures and their occupants, property, public thoroughfares, etc. The General Contractor shall take precautions and be responsible for the safety of all building occupants from construction procedures. The General Contractor shall be responsible for any overtime costs incurred thereby.
- All debris shall be removed from the site on a daily basis when possible. Upon completion of the work, remove all debris from the building created by the work provided under this Contract and leave all areas clean. Trash is not permitted to be burned on site.
- All abandoned miscellaneous nails, hangers, staples, wires, conduits and debris shall be removed from the walls and areas of exposed ceilings. Remove all abandoned pipe sleeves in floor slabs. Patch existing slab as req. to maintain UL fire rating of floor slab where pipes and conduits have been removed.
- Slab penetrations less than 2" around new and existing piping, conduit, ductwork, etc. shall be filled with acoustic foam and/or sealant to ensure acoustical separation between floor slabs. Slab penetrations greater than 2" around new and existing piping, conduit, ductwork, etc. shall be filled with concrete. All piping, conduit, ductwork, etc. shall be wrapped with expansion material prior to filling with concrete. Expansion material shall be approved by the MEP Engineer.
- Contractor shall provide the Team with a construction schedule showing the proposed phasing. Any long lead items that will affect the Substantial Completion date shall be brought to the Architect's attention immediately.
- Provide protection for existing finishes to remain, including restrooms, lobbies and corridors and repair damages as a result of construction. Document any existing conditions or damages prior to the start of construction.
- General Contractor shall be responsible for providing exhaust for dryers, bathrooms, and ranges to exterior with proper terminus (not to be located on street side elevation). Verify terminus type and location with owner prior to installation.
- The Architect shall not be responsible for constructed variations from the information contained here-in unless reviewed and approved by Architect.
- Do not scale drawings, but rather inquire of Architect. Reproduction of these drawings is prohibited unless written permission is obtained from the Architect.
- All Trades to caulk with Manicapapality Approved "Fire Caulk" at all top plate penetrations.

FLOOR FINISH NOTES

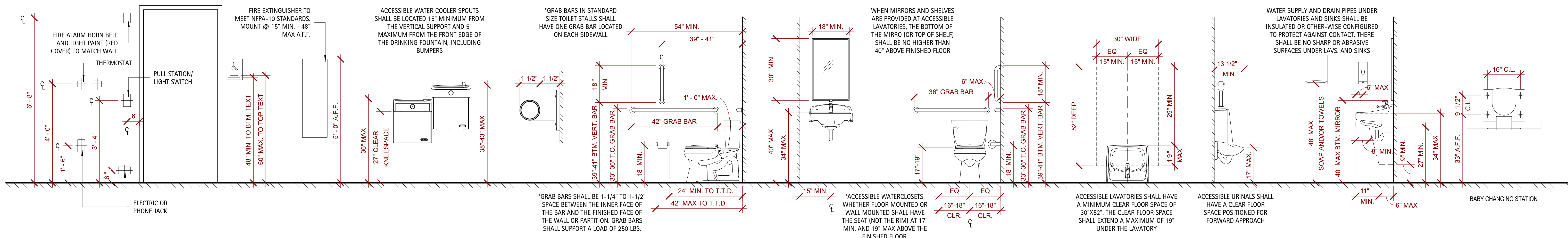
- Refer to Finish Plan & Schedule for extent and type of all floor finishes.
- GC to flashpatch floor to provide a level surface that shall not exceed 1/4" over 10 feet cumulative. At floor finish transitions flash patch to smooth transition of finished material to maintain level finished floor surface.
- All floors to slope to floor drains - 1/4" per 1'-0" U.N.O.
- All exterior floor slabs to receive a light broom concrete finish. U.N.O.
- SEE STRUCTURAL DRAWINGS FOR ALL FOUNDATION SPECIFICATIONS.

WALL SECTION NOTES

- Bituminous Damp Proofing shall be applied to exterior foundations of all habitable spaces.
- All treated lumber shall bear the designation AWPA C22. Pressure treated lumber shall be used in the following locations:
 - a. Wood in contact with concrete or masonry;
 - b. Siding within 6" of the ground;
 - c. Wood exposed to weather.
- Install 5/8" Densglass sheathing behind all tub and shower walls, use water-resistant GWB for all bathroom ceilings UNO.

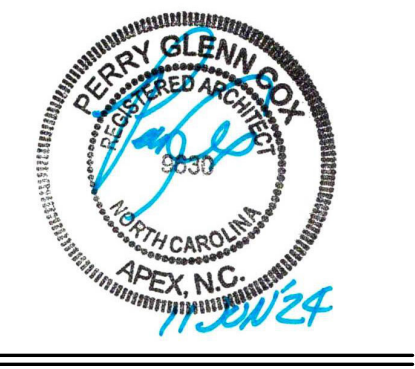
INTERIOR FINISH NOTES

- Refer to Finish Schedule and Finish Plan for extent and type. All wall surfaces, metal frames, and trim shall be painted, UON. All surfaces to be painted shall be prepared for priming in accordance with the manufacturer's specifications.
- All painted surfaces shall receive 1 prime and 2 finish coats as follows:
 - GWB surfaces - Interior eggshell latex paint
 - GWB ceiling surfaces - Interior flat latex paint
 - Hollow Metal/Wood - Odorless interior semi-gloss alkyd latex
- Paint is to be applied by a roller or brush on all surfaces. Only the prime coat may be spray applied. Provide a 12"x12" GWB sample for each color for Owner's approval prior to the start of the Work.
- Toilet and bathing room floors shall have a smooth, hard, non-absorbant surface that extends upward onto the walls at least 6"
- Walls within 2' of urinals and waterclosets shall have a smooth, hard, non-absorbant surface to the height of 4' above the finish floor. Verify material with room schedule and/or Architect



TYPICAL MOUNTING HEIGHTS

*PROVIDE REQ'D BLOCKING FOR GRAB BARS, WALL HUNG TOILETS, AND ACCESSORIES DURING FRAMING



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DATE	REVISION	NO.

SHEET DISCUPTION
GENERAL NOTES

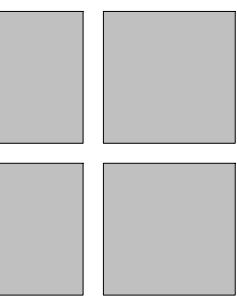
PROJECT #:	2022038
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DRAWING BY:	JGM
CHECKED BY:	PJC/DSC

HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC

G0.4



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DATE	
REVISION	
NO.	

SHEET DISCUSSION
FIRST FLOOR PLAN

PROJECT #: 2022038
 DATE ISSUED: 06/11/2024
 DRAWING BY: JGM
 CHECKED BY: PGJ/DSC

HONEYCUTT OAKS
 DR HORTON
 BATHHOUSE & POOL
 ANGIER, NC

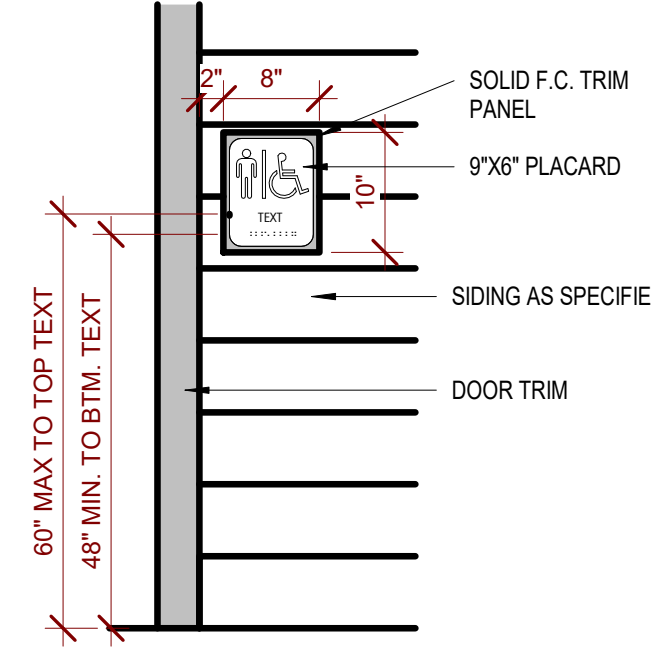
A1.1

TOILET ACCESSORIES			
MARK	ITEM	MANUFACTURER	MODEL NUMBER
TTD	SURFACE MOUNTED DUAL ROLL TOILET TISSUE HOLDER	AMERICAN SPECIALTIES, INC	0715
GB	GRAB BAR - 1 1/2" DIA., S/S, PREENED GRIP, SNAP FLANGE 3/8", 42" & 18"	AMERICAN SPECIALTIES, INC	3800 TYPE-01
MIR	INTERLOK S.S. FRAMED MIRROR W/ SHATTER RESISTANT GLASS	AMERICAN SPECIALTIES, INC	0600
CH	SURFACE MOUNTED COAT HOOK	AMERICAN SPECIALTIES, INC	0714
PTD	SURFACE MOUNTED PAPER TOWEL DISPENSER	AMERICAN SPECIALTIES, INC	0210
SD	SURFACE MOUNTED S.S. AUTOMATIC LIQUID/GEL SOAP DISPENSER	AMERICAN SPECIALTIES, INC	0360
SN	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (WOMEN'S TOILET ONLY)	AMERICAN SPECIALTIES, INC	0852
MH	MOP HOLDER	AMERICAN SPECIALTIES, INC	0796
CS	SURFACE MOUNTED BABY CHANGING STATION	AMERICAN SPECIALTIES, INC	9012
TP	TOILET PARTITION - FLOOR SUPPORTED W/ HEADRAIL, POWDER COATED STEEL FINISH	GENERAL PARTITIONS	SERIES 40-5

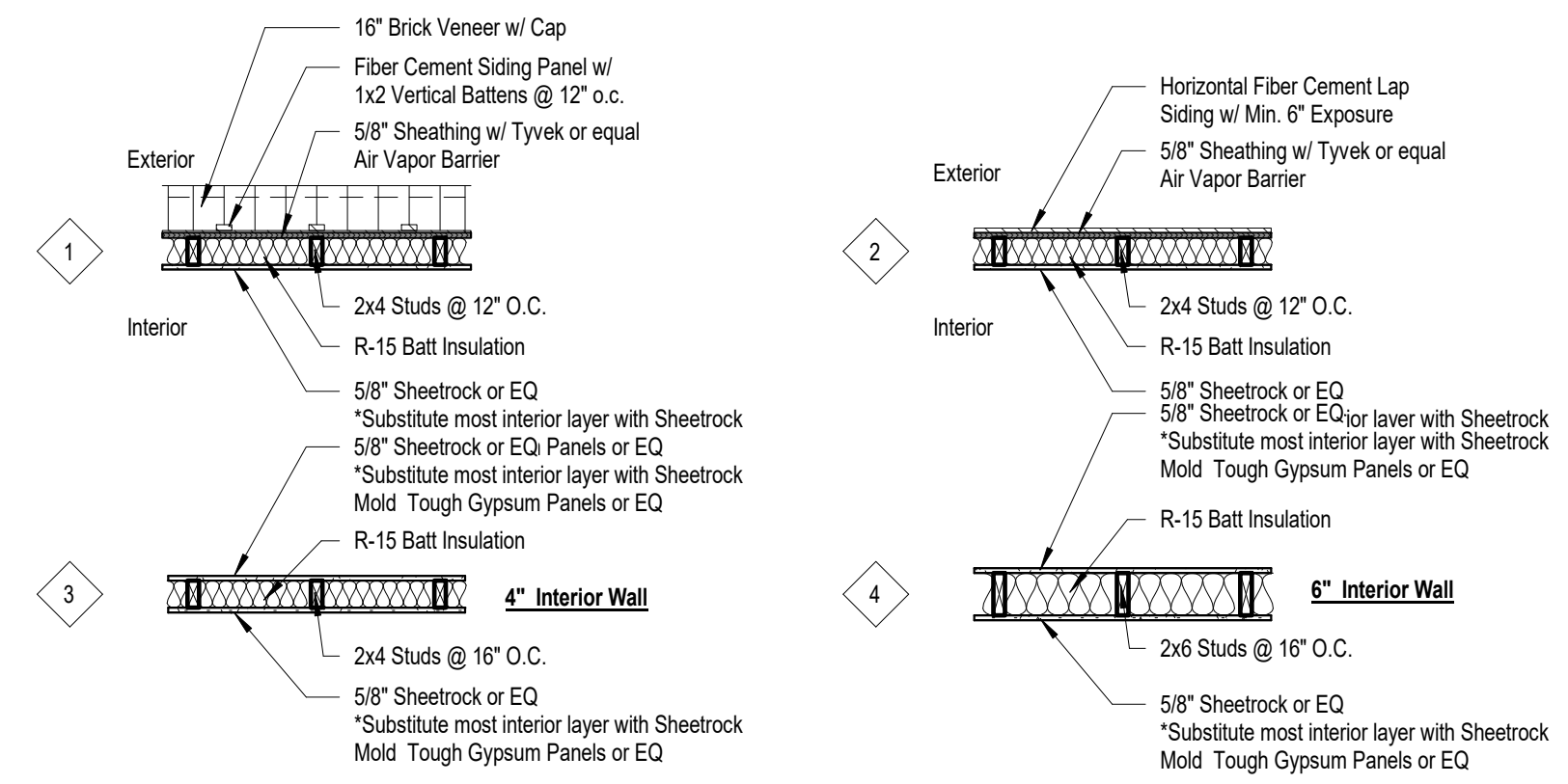
NOTE SEE SHEET G0.4 FOR TYPICAL MOUNTING HEIGHTS & CLEARANCES

KEYNOTES

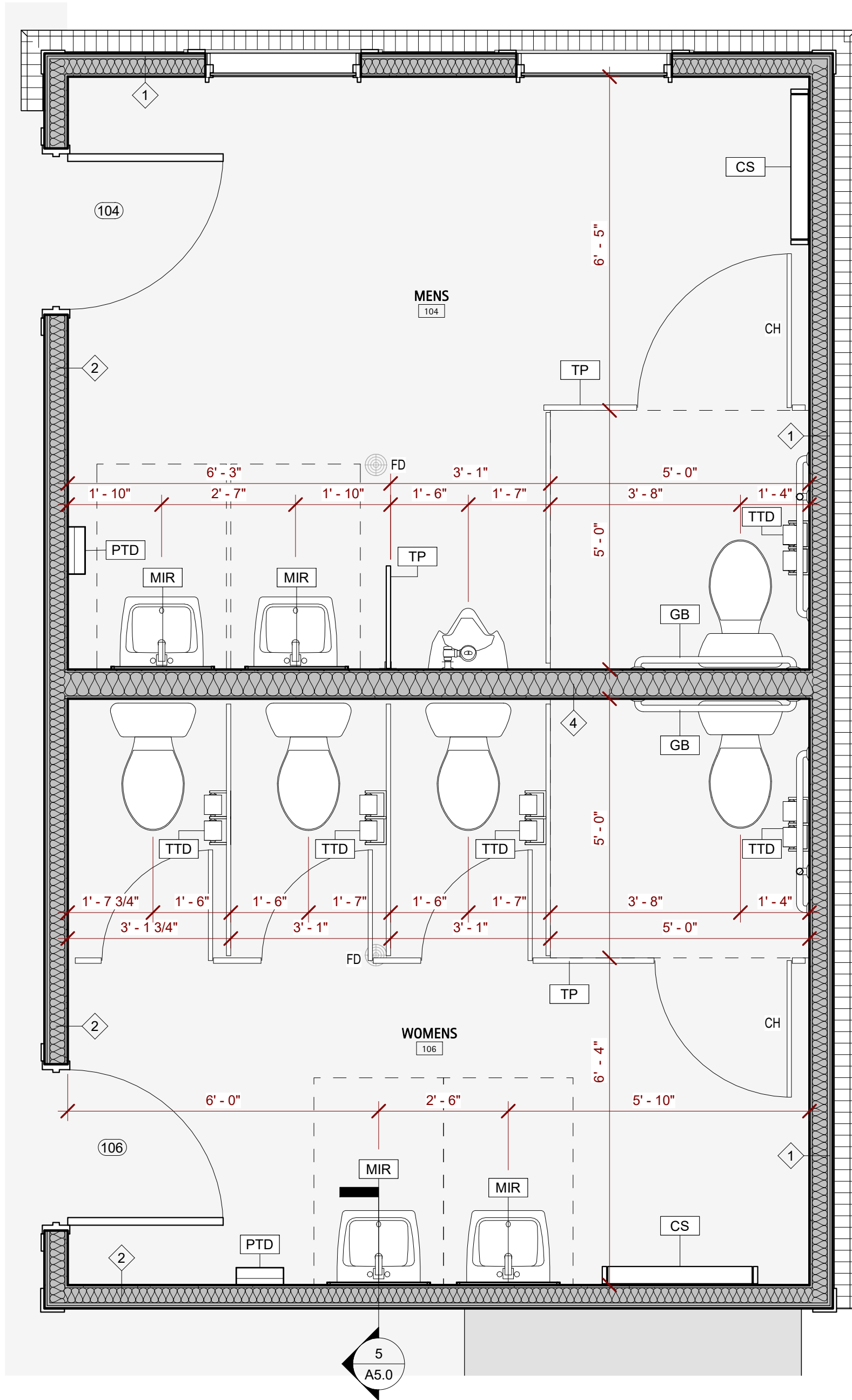
TAG	DISCRIPTION	PROVIDED BY
(A)	HIGH / LOW WATER COOLER. SEE PLUMBING PLANS FOR SELECTIONS. SEE TYPICAL MOUNTING HEIGHT DETAILS.	C.P.C.I
(B)	ELECTRIAL METER BASE. CONTRACTOR TO VERIFY LOCATION WITH PROJECT MANAGER PRIOR TO PLACEMENT	C.P.C.I
(C)	RECESSED HIGH SECURITY KEY LOCK BOX EQUAL TO "KNOXBOX" 3200. VERIFY FINAL LOCATION W/ LOCAL FIRE MARSHAL	C.P.C.I
(D)	ATTIC ACCESS TO BE MIN. 22"X36" OR TO ALLOW THE PASSAGE OF THE LARGES EQUIPMENT IN ATTIC SPACES. COORDINATE LOCATION W/ TRUSS MANUFACTURER	C.P.C.I
(E)	LOW VOLTAGE PANEL TO BE INSTALLED ON WALL. CONTRACTOR TO VERIFY LOW VOLTAGE LAYOUT W/ GC PRIOR TO INSTALLATIONS	C.P.C.I
(F)	GAS METER, CONTRACTOR TO VERIFY LOCATION WITH PROJECT MANAGER PRIOR TO PLACEMENT	C.P.C.I



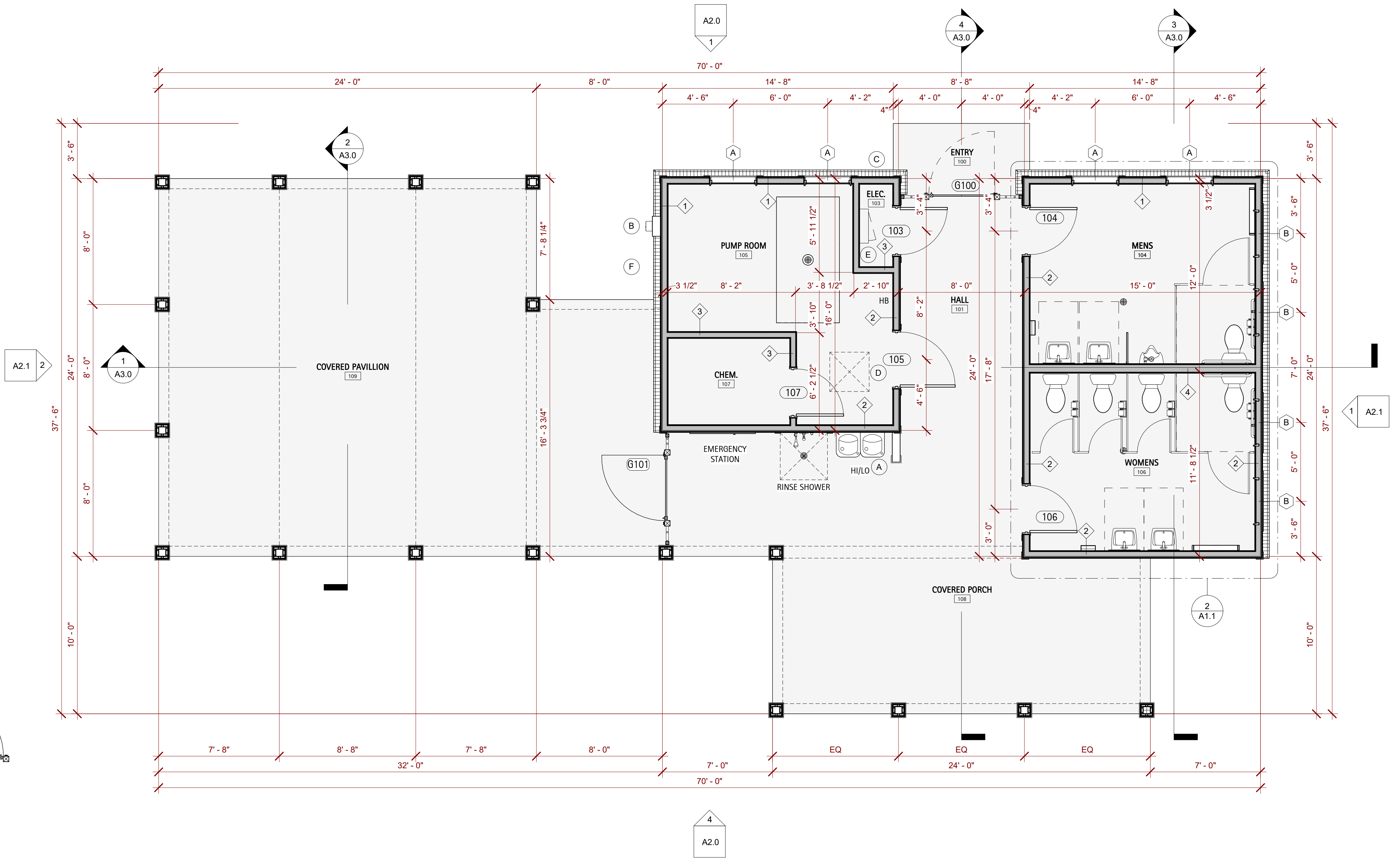
Detail - Exterior Sign Trim
3/4" = 1'-0"



WALL TYPE DETAILS



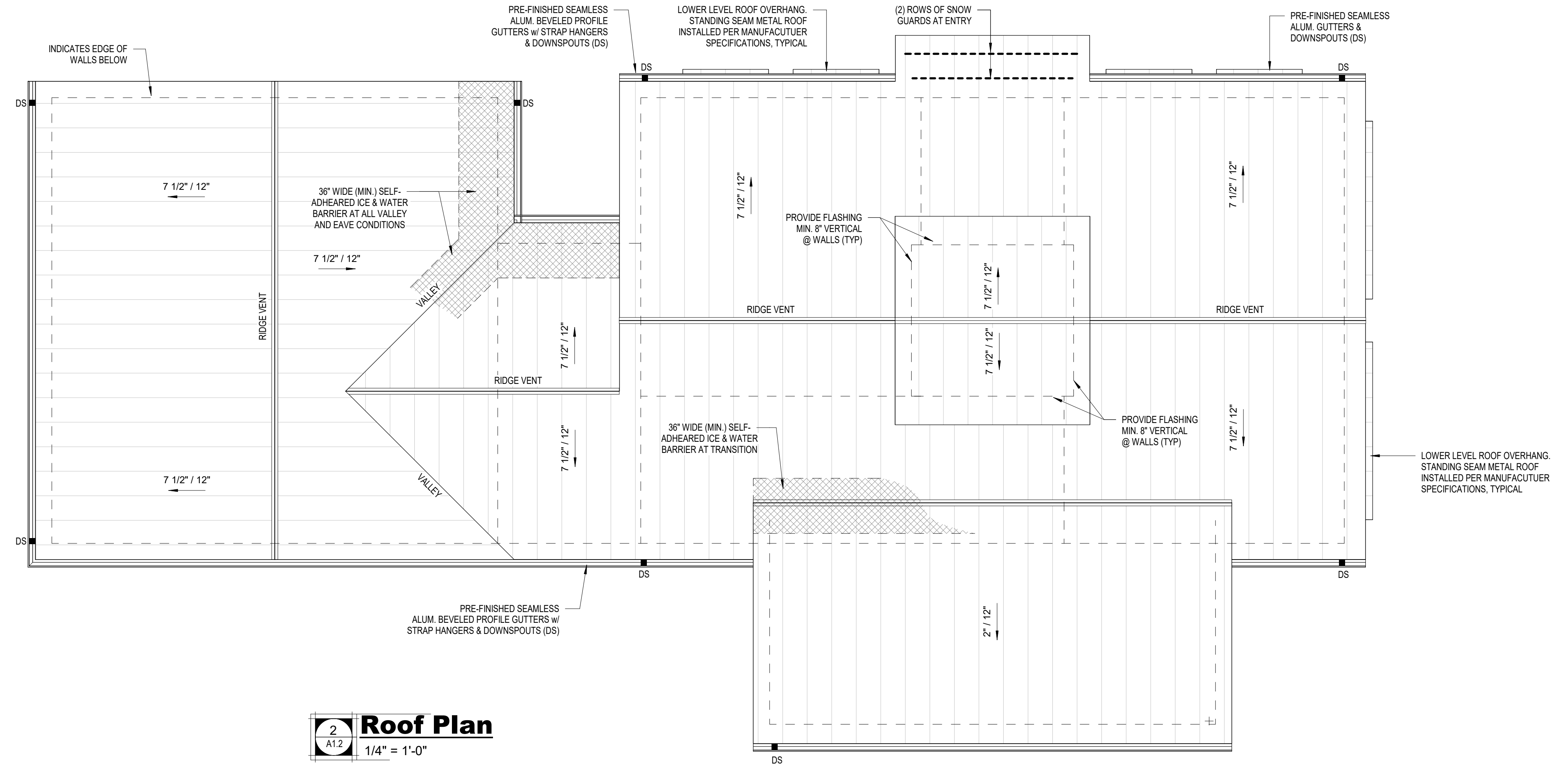
Enlarged Restroom Plan
1/2" = 1'-0"



First Floor Plan
1/4" = 1'-0"

ROOF NOTES

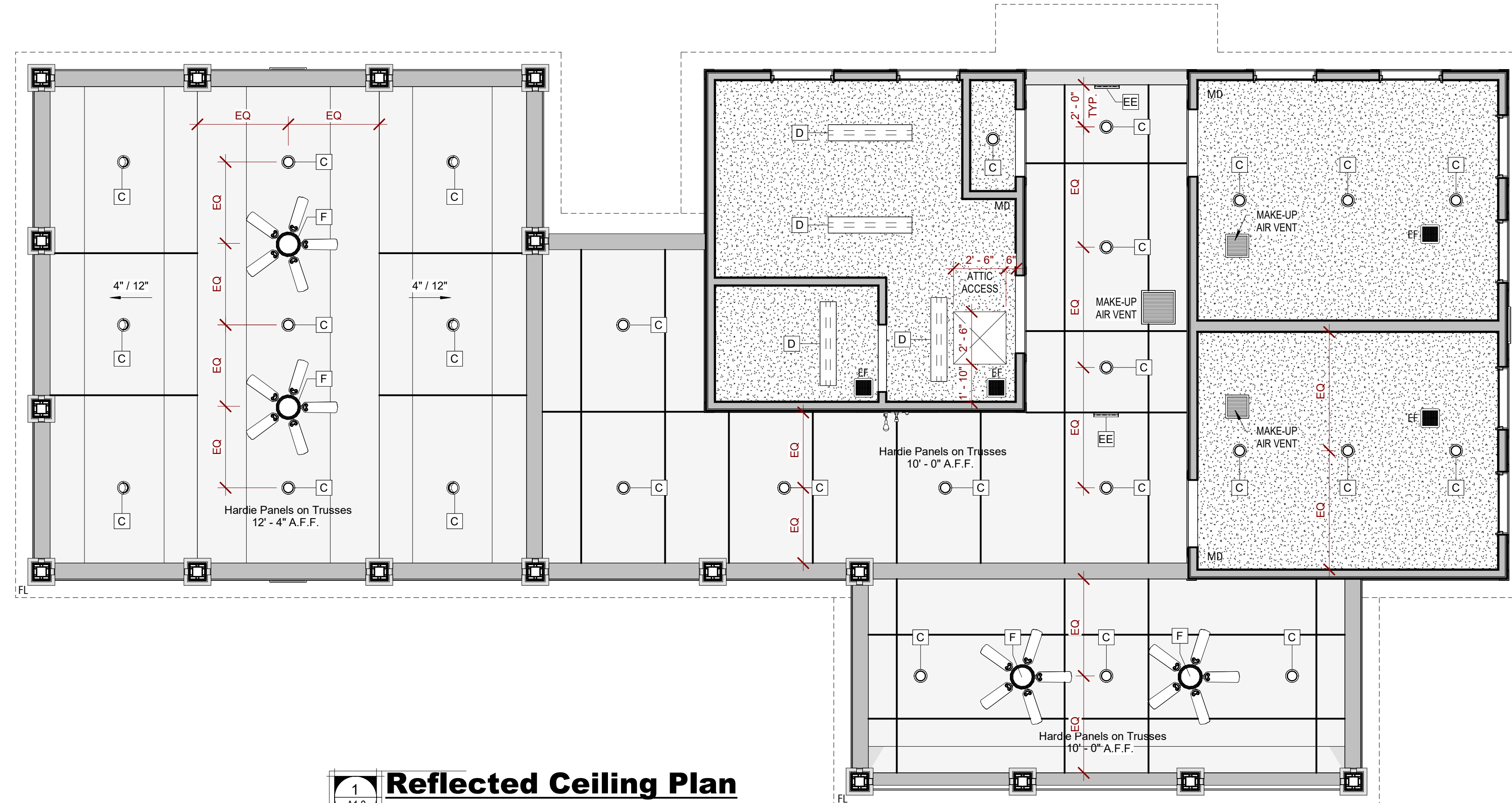
1. Roof decks shall be covered with approved roof coverings secured to the building or structure in accordance with the NCSBC. Roof coverings shall be designed and installed in accordance with the building code and the approved manufacturer's instructions.
2. Crickets or saddles shall be installed on the ridge side of any chimney or penetration greater than 30 inches wide as measured perpendicular to the slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering.
3. Asphalt shingles shall only be used on roof slopes of 2:12 or greater.
4. Roof slopes from 2:12 to 4:12, underlayment shall be two layers applied in the following manner. Apply a minimum 19" wide strip of underlayment felt parallel with and starting at the eaves, fastened sufficiently to hold in place. Starting at the eave, apply 36-inch-wide sheets of underlayment overlapping successive sheets 19 inches minimum and fasten in place.
5. Roof slopes from 4:12 or greater, underlayment shall be a minimum of one layer.
6. Flashing shall be installed at the wall and roof intersections, at gutters, and wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than 0.019in (No. 26 galvanized sheet)
7. Areas prone to ice formation along eaves causing a backup of water shall have an ice barrier that consists of at least (2) two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet. Extend ice barrier min. 18" each side of valleys and other ice prone areas.



2 Roof Plan
1/4" = 1'-0"

REFLECTIVE CEILING NOTES

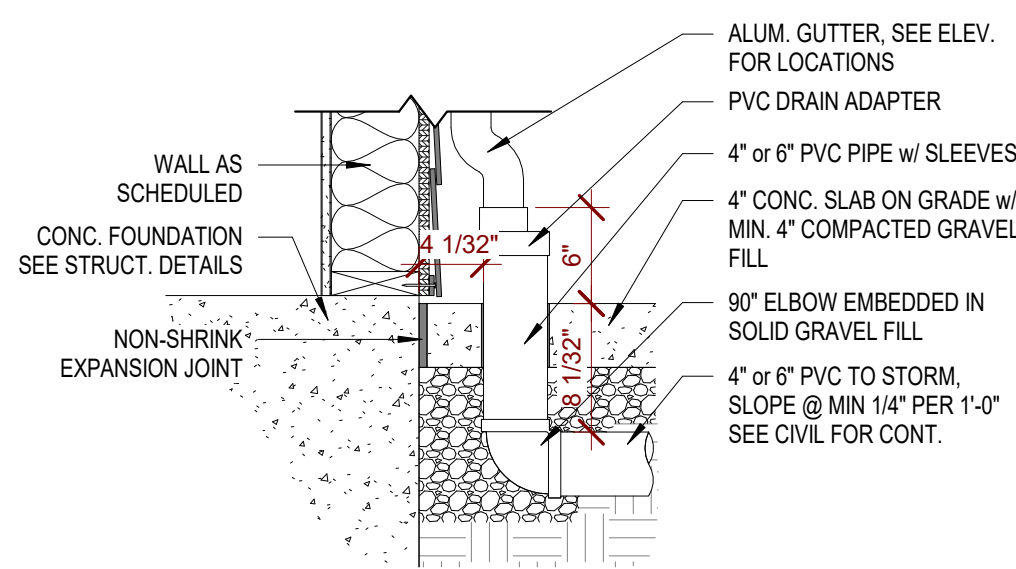
1. 5/8" GWB typical - U.N.O - Mold tough in Wet areas
2. Height of ceilings shall be measured from top of slab to finish face of GWB or face of ceiling grid as indicated on the Reflected Ceiling Plan, UON.
3. All light fixtures are to be installed according to the Electrical Plans.
4. Light fixture types, quantities and locations only are noted on Architectural Reflected Ceiling Plans. Specifications, switching, exit lights, emergency lighting, life safety equipment, and circuiting are noted on Engineering documents.
5. Dimensioned light fixtures are from finished face of partitions to centerline of fixture and from centerline of fixture to centerline of fixture. All fixtures shall be installed in center of ceiling tile unless noted otherwise. Any discrepancies with light fixtures, switches, thermostats, or diffusers as to location between architectural and engineering drawings or between the drawings and existing field conditions shall be clarified with the Architect before proceeding with installation.



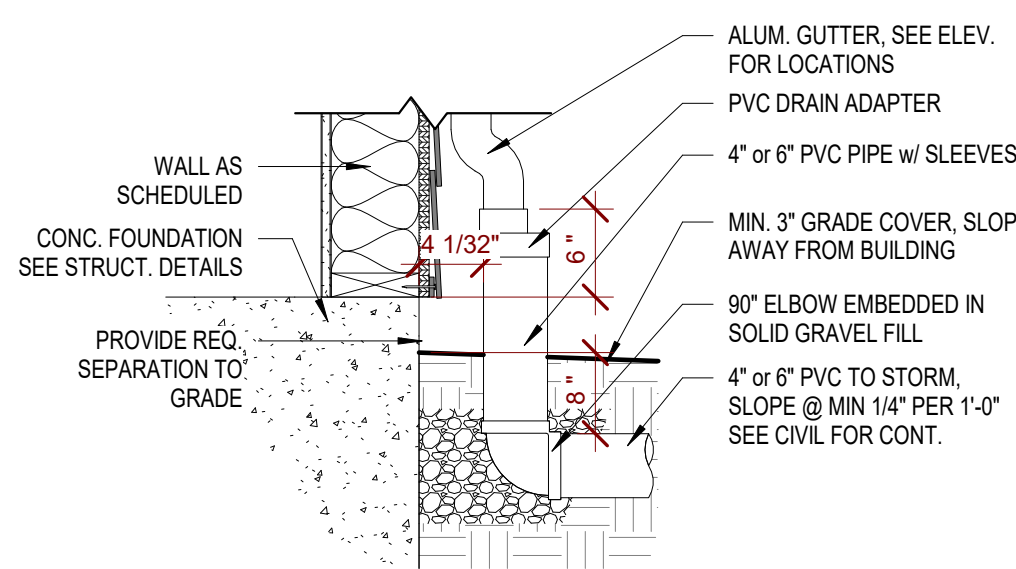
1 Reflected Ceiling Plan
1/4" = 1'-0"

- MD - MOTION DETECTOR LOCATE IN CEILING
- FL - EXTERIOR FLOOD LIGHT
- EE - EMERGENCY EXIT SIGN w/ SPOTLIGHTS
- EF - EXHAUST FAN
- A - NOT USED
- B - NOT USED
- C - 6" CAN LIGHT
- D - 1X LED TROFFER
- E - NOT USED
- F - CEILING FAN w/o LIGHT

*VERIFY ALL SELECTIONS WITH OWNER / GC PRIOR TO ORDER
*VERIFY ATTIC ACCESS LOCATIONS WITH APPROVED TRUSS LAYOUTS AND PROFILES

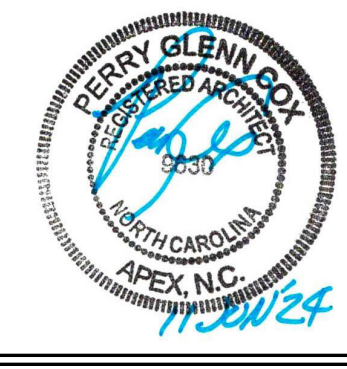


CONNECTION @ SLABS



CONNECTION @ GRADE

3 Detail - Downspout To Storm
1" = 1'-0"



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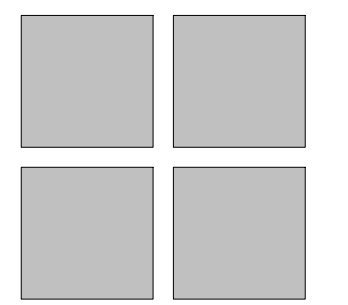
SHEET DISCUPTION	
RCP & ROOF PLANS	
PROJECT #:	2022038
DATE ISSUED:	06/11/2024
DRAWING BY:	JGM
CHECKED BY:	PGC/DSC

**HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC**

A1.2



D. CLUGSTON



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DATE

REVISION

NO.

SHEET DISCRPTION

EXTERIOR ELEVATIONS

PROJECT #: 2022038

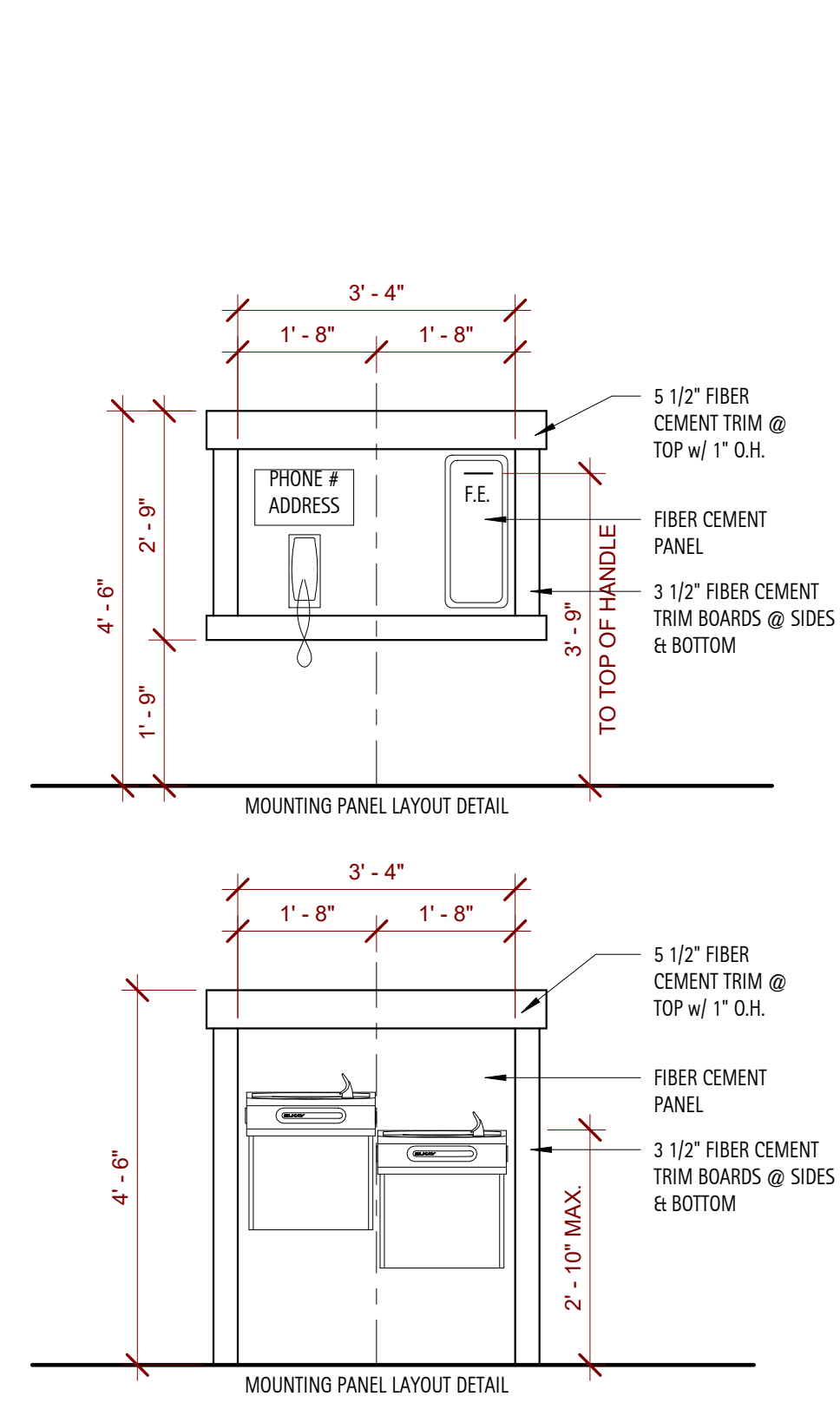
DATE ISSUED: 06/11/2024

DRAWING BY: JGM

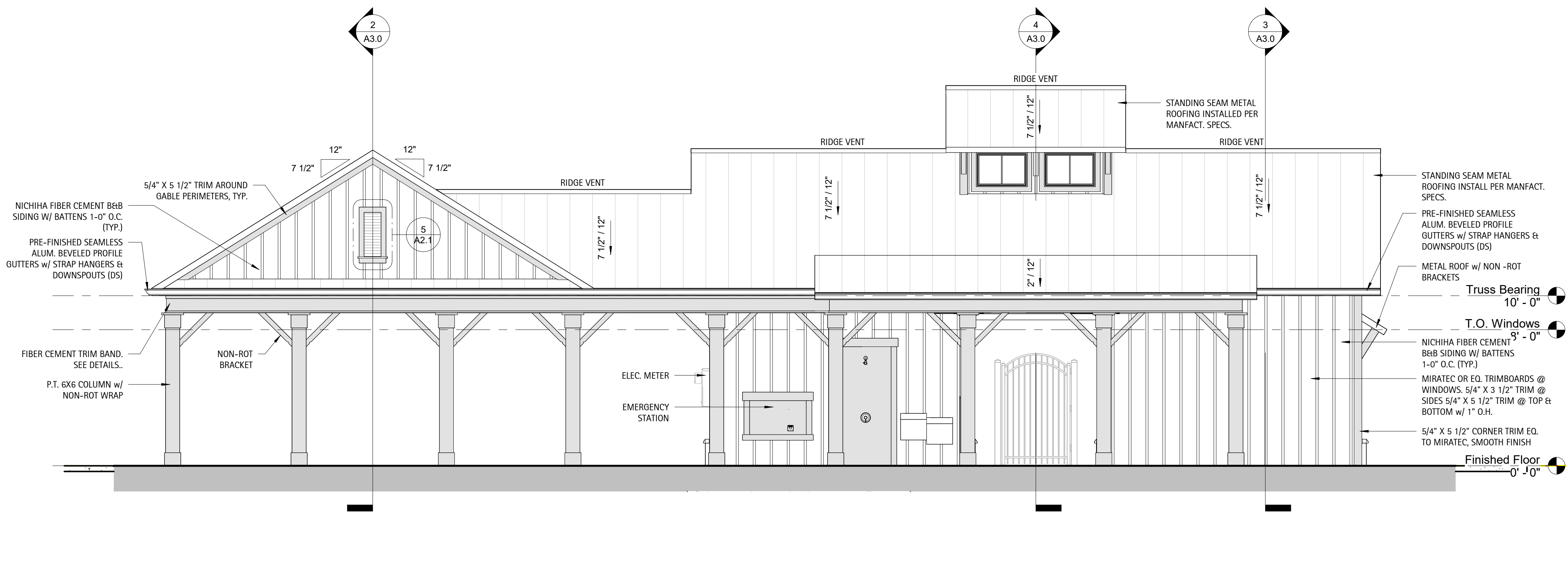
CHECKED BY: PGC/JSC

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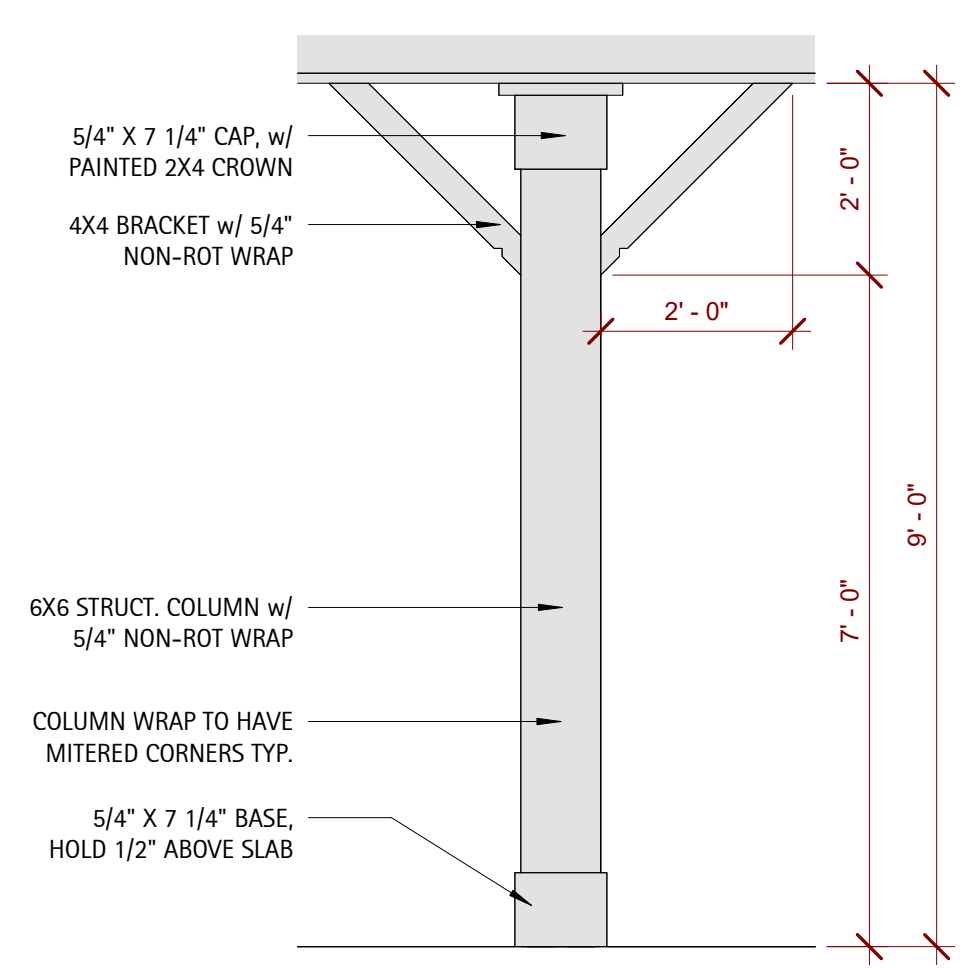
A2.0



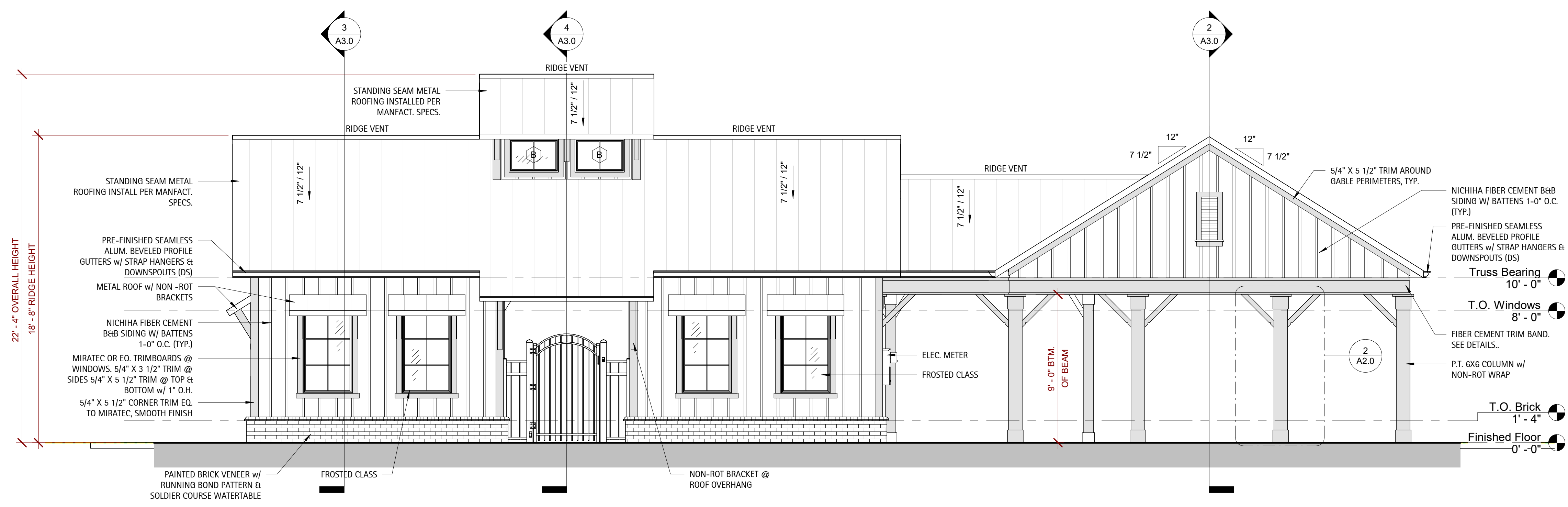
3 Detail - Exterior Trim Panels
1/2" = 1'-0"



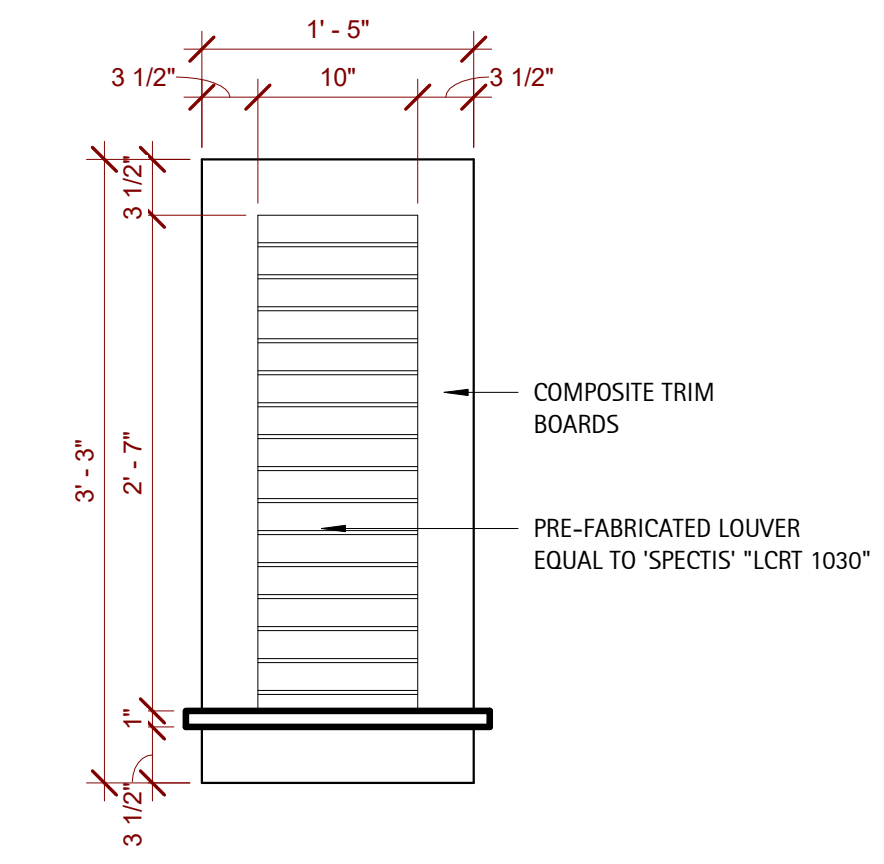
4 Elevation - Rear
1/4" = 1'-0"



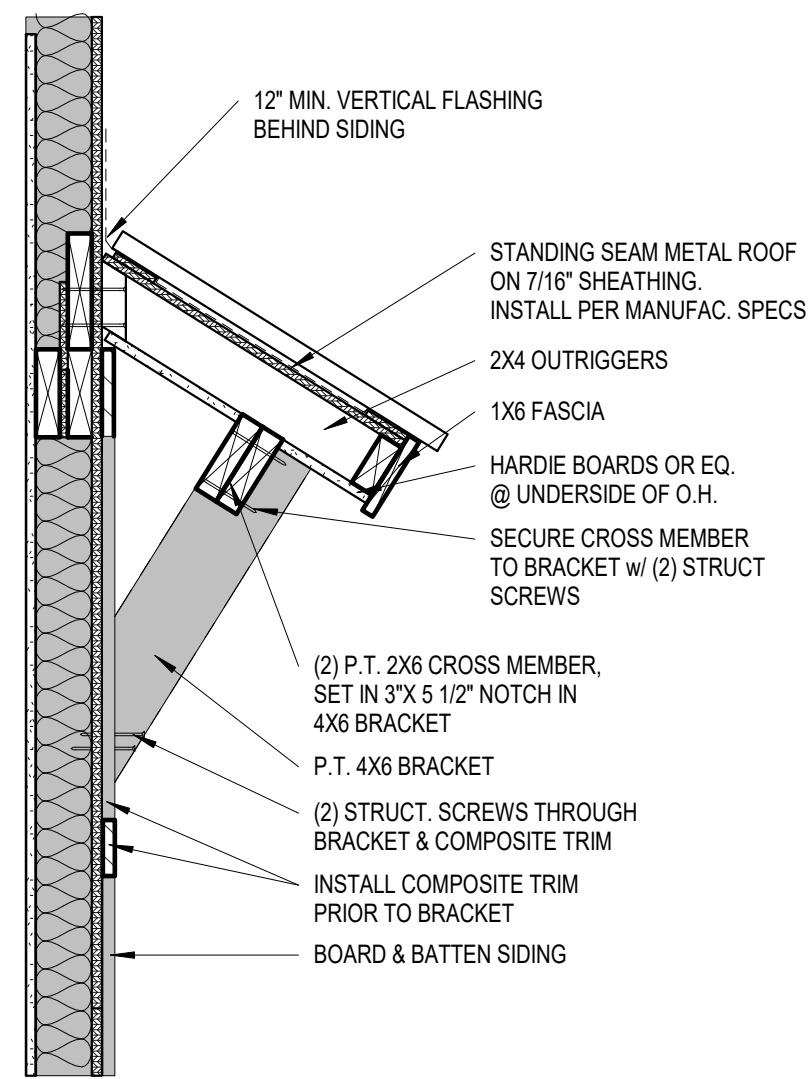
2 Detail - Typ Column
1/2" = 1'-0"



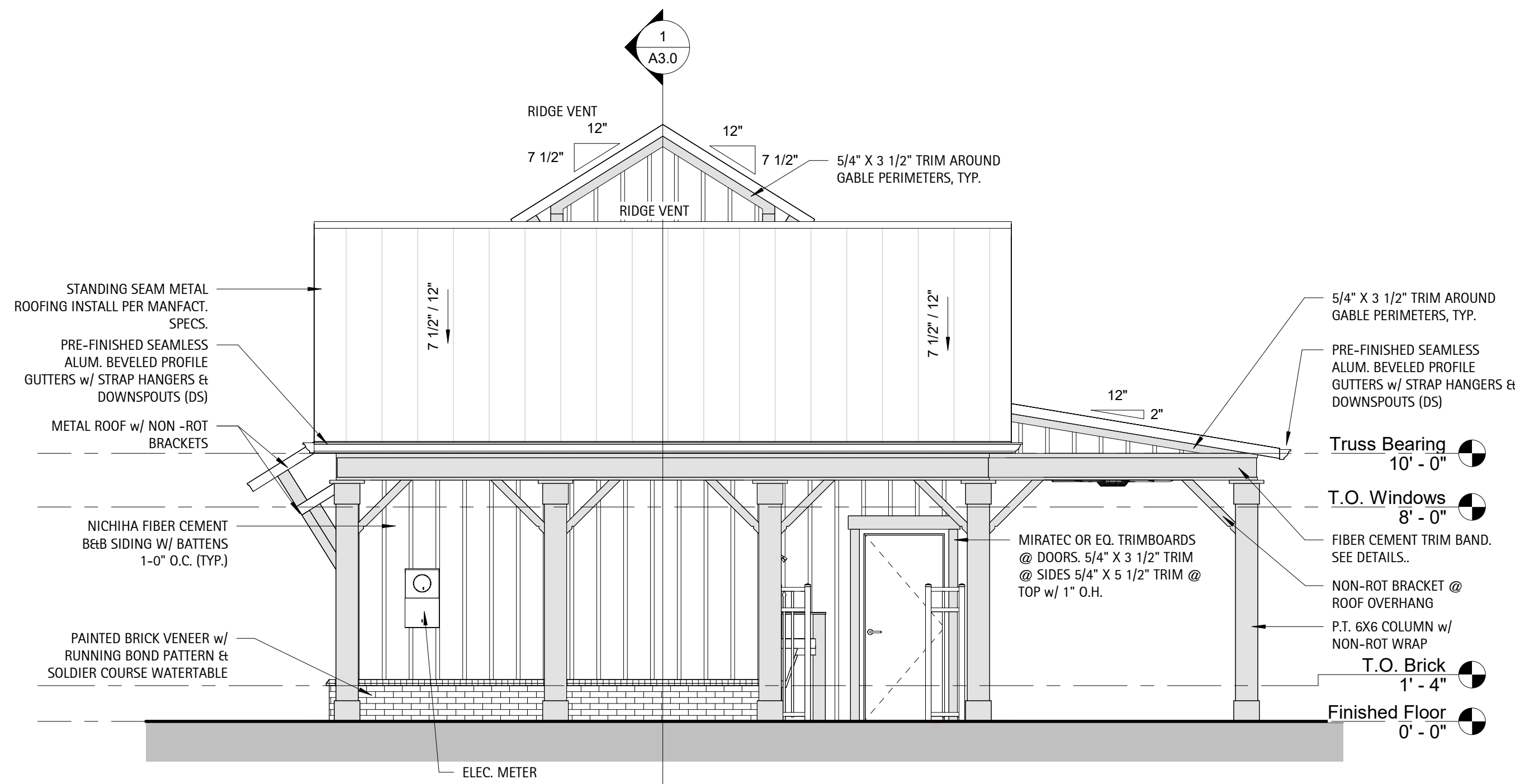
1 Elevation - Front
1/4" = 1'-0"



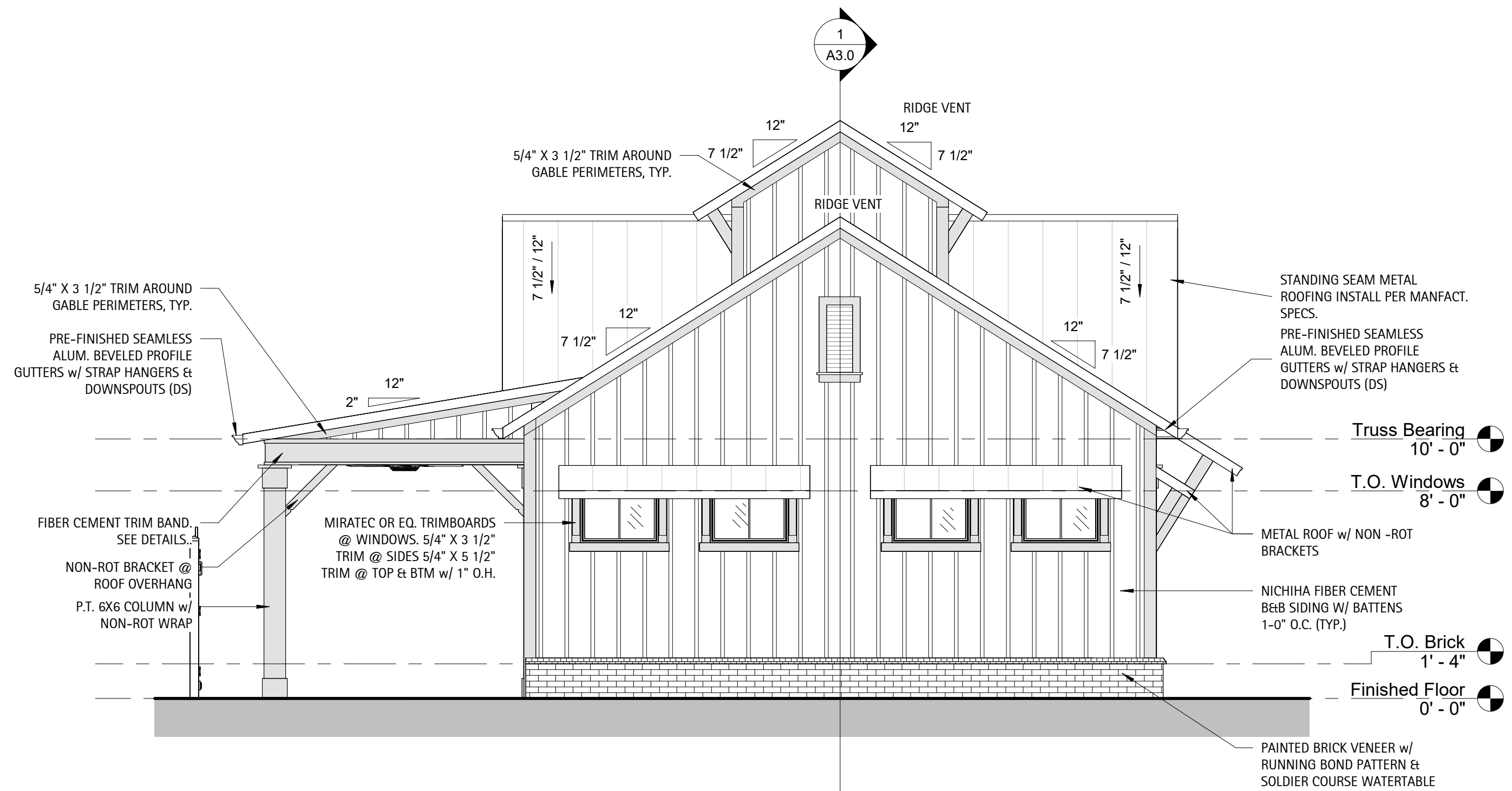
5 Detail - Gable Vents
1" = 1'-0"



6 Detail - Window Awnings
1" = 1'-0"



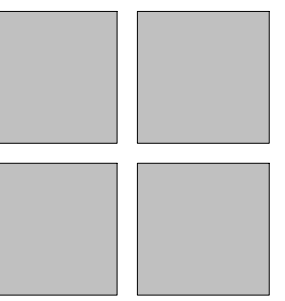
2 Elevation - Left
1/4" = 1'-0"



1 Elevation - Right
1/4" = 1'-0"



D. CLUGSTON



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NO.

SHEET DISCUSSION

EXTERIOR ELEVATIONS

PROJECT #: 2022038

DATE ISSUED: 06/11/2024

DRAWING BY: JGM

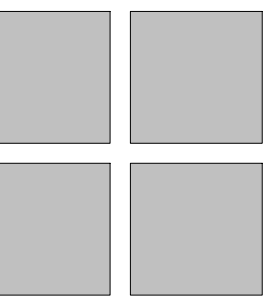
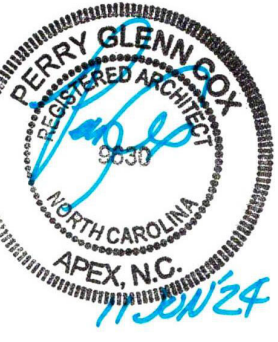
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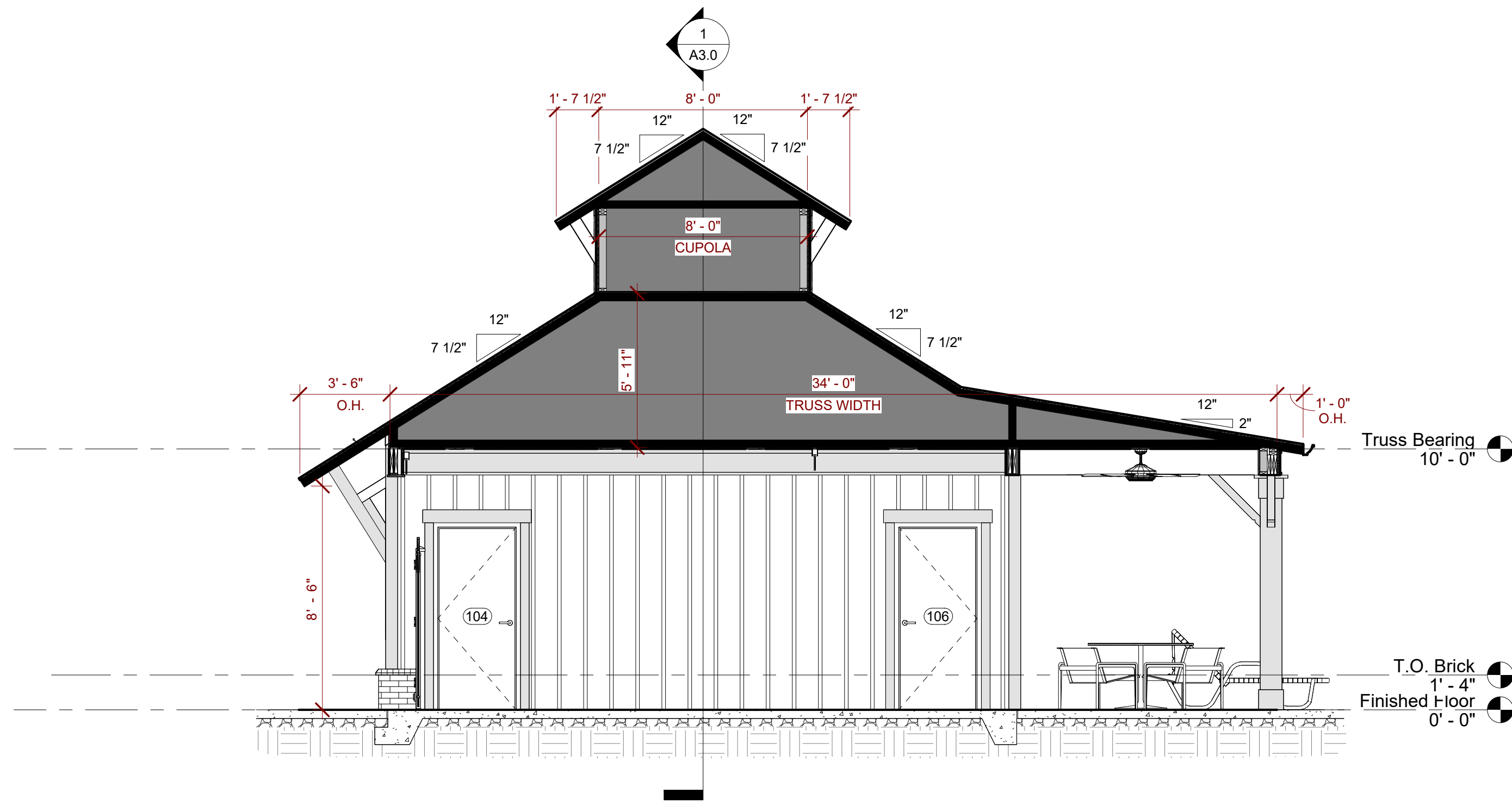
A2.1



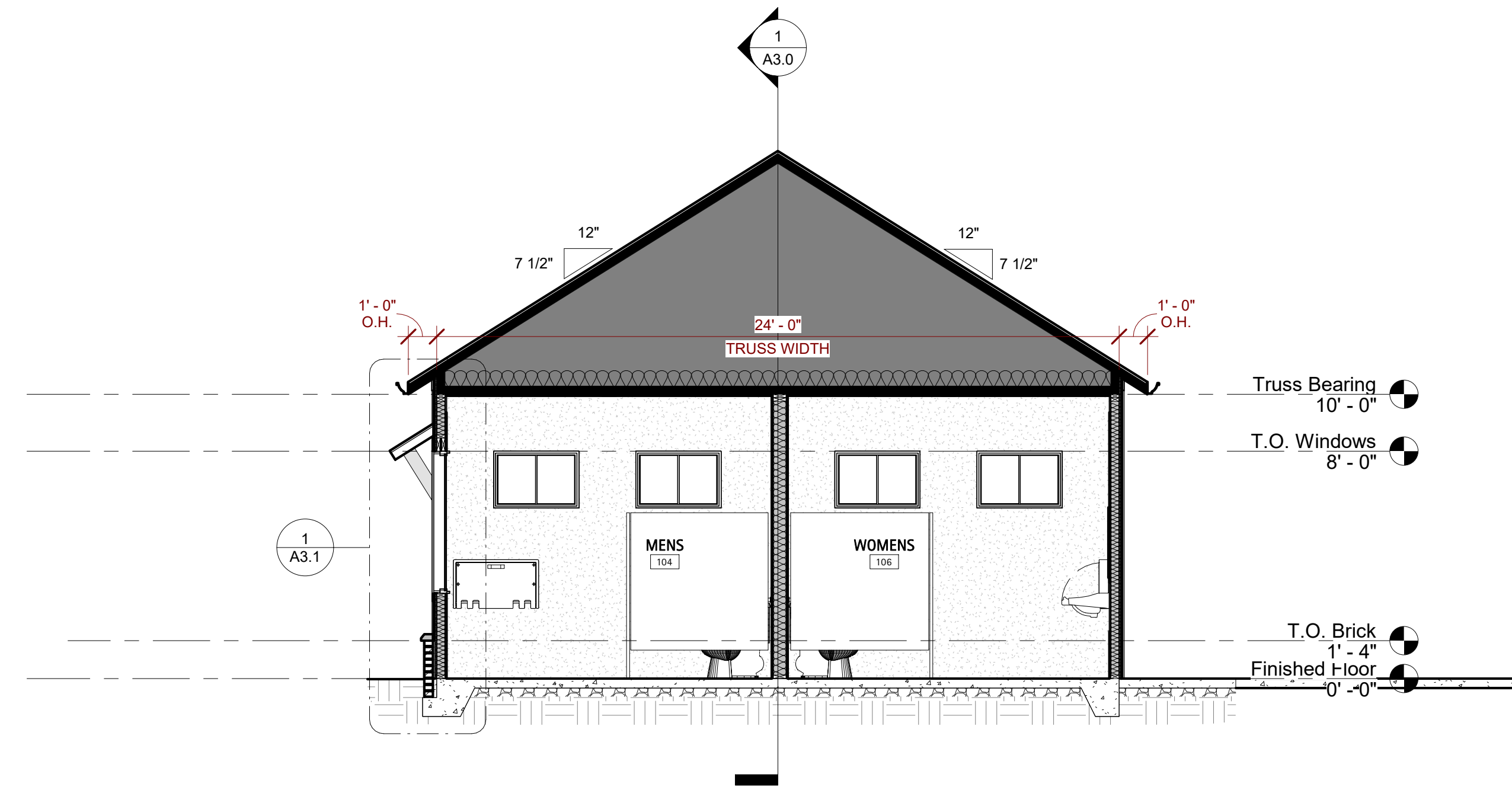
D. CLUGSTON



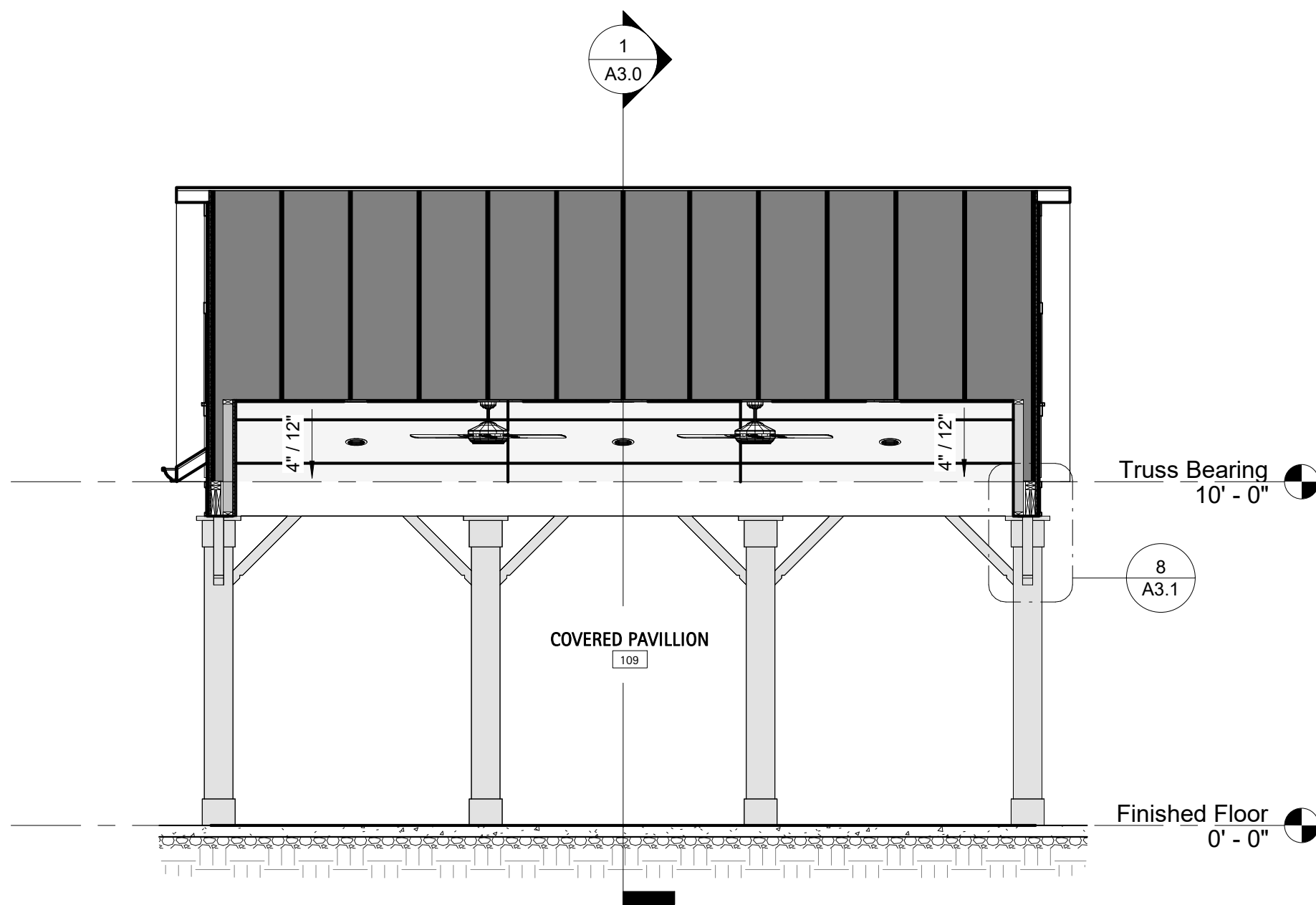
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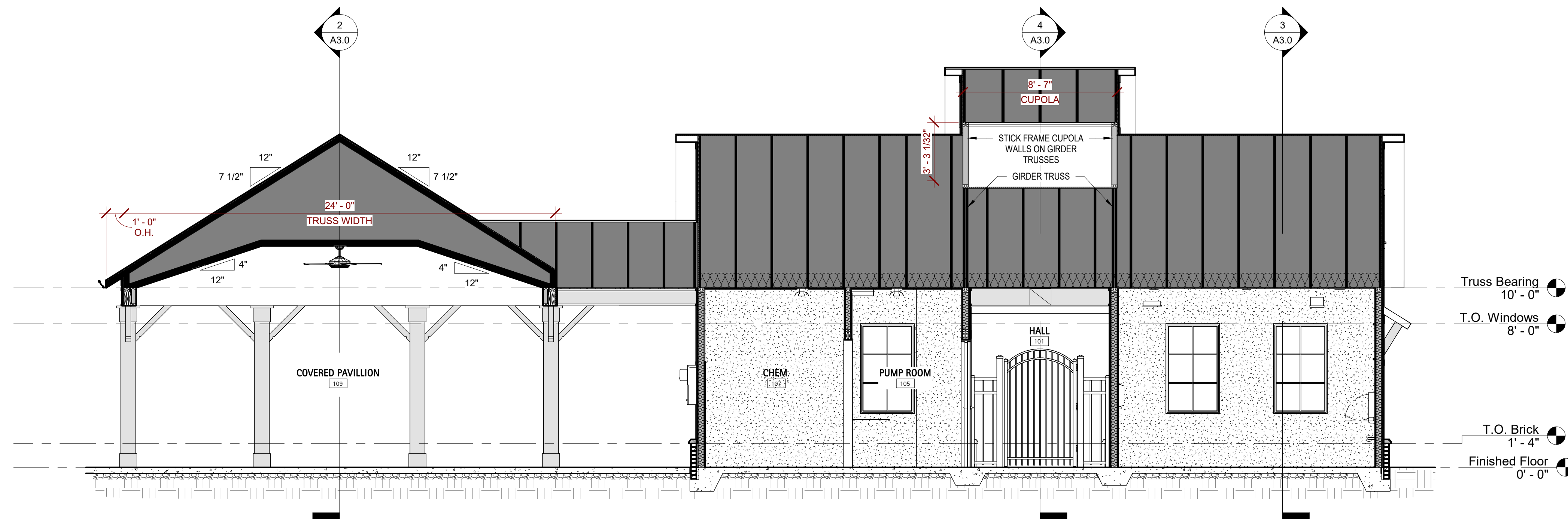
4 Section - Through Hallway
1/4" = 1'-0"



3 Section - Through Restrooms
1/4" = 1'-0"



2 Section - Through Porch Ridge
1/4" = 1'-0"



1 Section - Through Main Ridge
1/4" = 1'-0"

NO.	REVISION	DATE

SHEET DISCRPTION
BUILDING SECTIONS

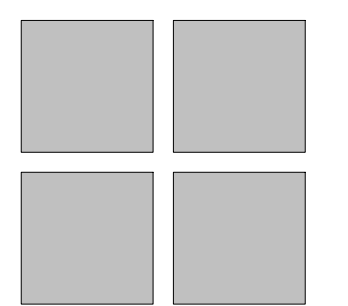
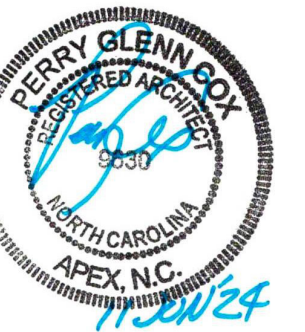
PROJECT #: 2022038
DATE ISSUED: 06/11/2024
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A3.0



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DATE	
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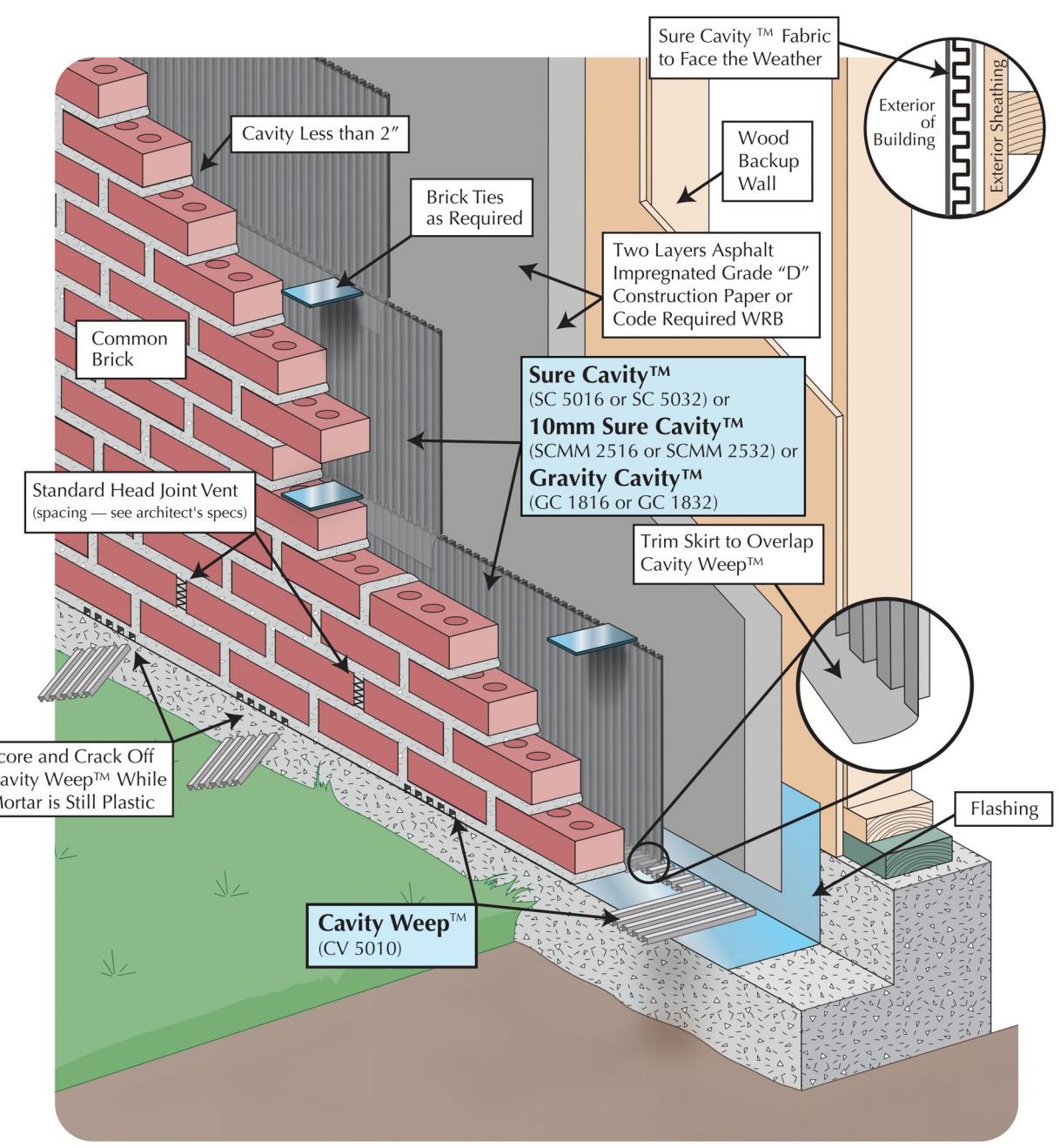
SHEET DISCUSSION
WALL SECTIONS & DETAILS

PROJECT #: 2022038
DATE ISSUED: 06/11/2024
DRAWING BY: JGM
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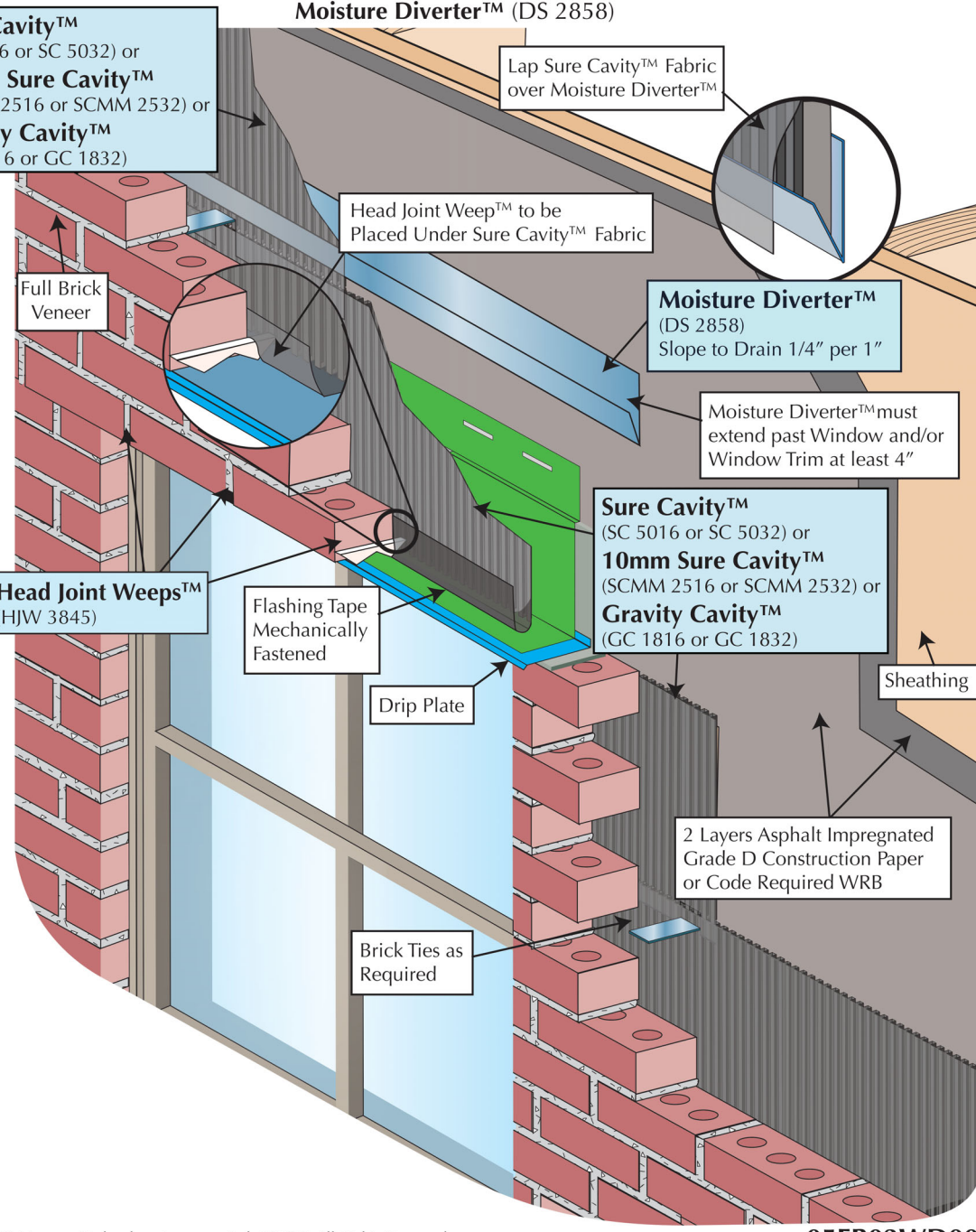
A3.1

Full Brick Veneer at Bottom of Wood Backup Wall
Cavities With Less Than 2" of Remaining Airspace
Sure Cavity™ (SC 5016 or SC 5032) and Cavity Weep™ (CV 5010)



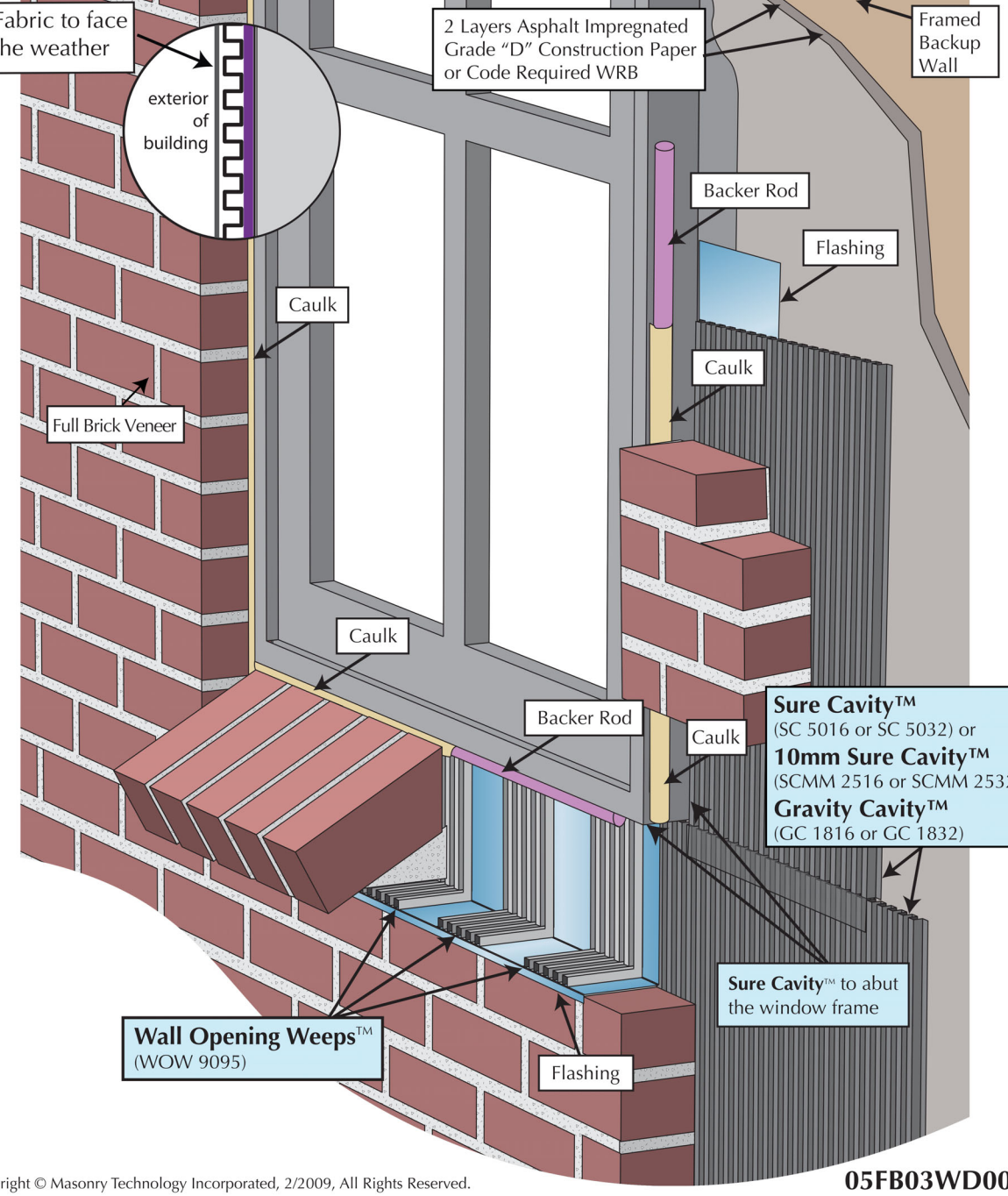
05FB02WD001

Head Joint Weeps Steel Lintel Installation with Wood Backup Wall
Sure Cavity™ (SC 5016 or SC 5032) or 10mm Sure Cavity™ (SCMM 2516 or SCMM 2532) or Gravity Cavity™ (GC 1816 or GC 1832) and Head Joint Weeps™ (HJW 3845) and Moisture Diverter™ (DS 2858)

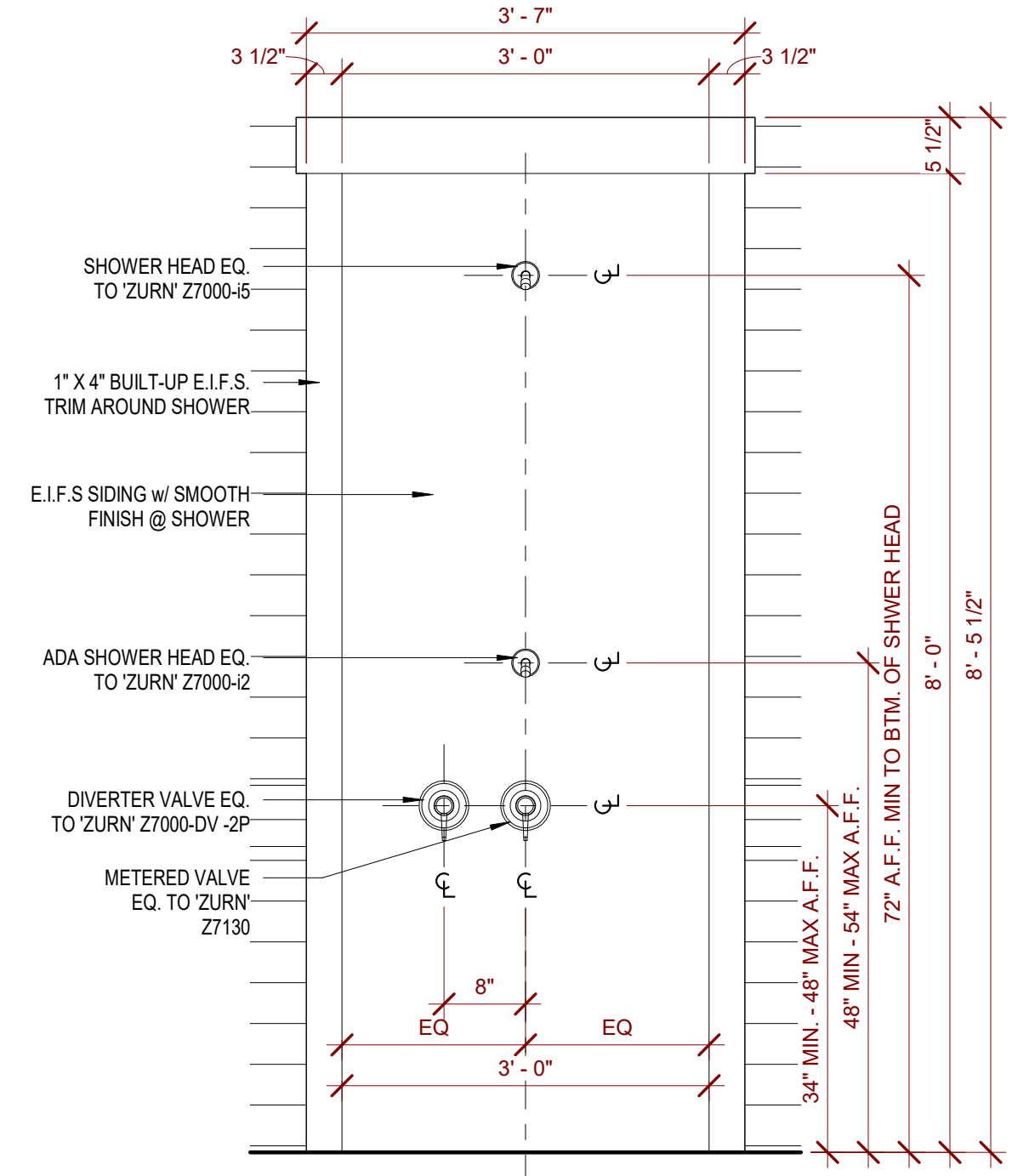


05FB03WD002

Brick Veneer at Bottom and Side of Window
Sure Cavity™ (SC 5016 or SC 5032) or 10mm Sure Cavity™ (SCMM 2516 or SCMM 2532) or Gravity Cavity™ (GC 1816 or GC 1832) and Wall Opening Weeps™ (WOW 9095)



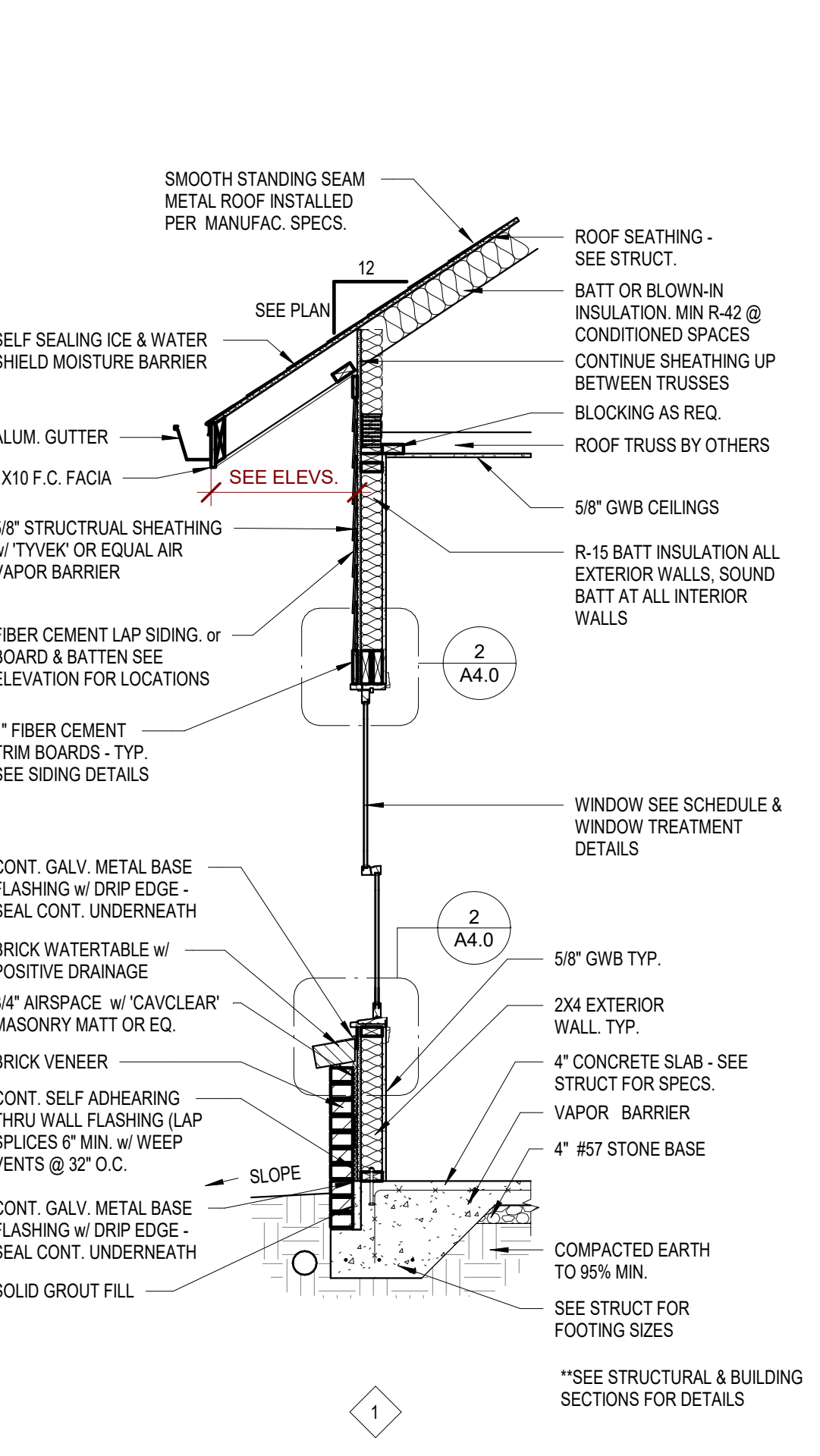
05FB03WD001



1011.7 OUTDOOR RINSE SHOWERS. OUTDOOR RINSING SHOWERS SHALL PROVIDE AT LEAST TWO FIXED SHOWER HEADS. ONE FIXED SHOWER HEAD SHALL BE 48 INCHES (1220 MM) MINIMUM AND 54 INCHES (1370 MM) MAXIMUM ABOVE THE GROUND SURFACE. AND ONE FIXED SHOWER HEAD SHALL BE 72 INCHES (1830 MM) MINIMUM ABOVE THE GROUND SURFACE. EXCEPTION: A HAND HELD SHOWER SPRAY UNIT COMPLYING WITH 608.6 SHALL BE PERMITTED INSTEAD OF THE FIXED SHOWER HEAD 48 INCHES (1220 MM) MINIMUM AND 54 INCHES (1370 MM) MAXIMUM ABOVE GROUND SURFACE

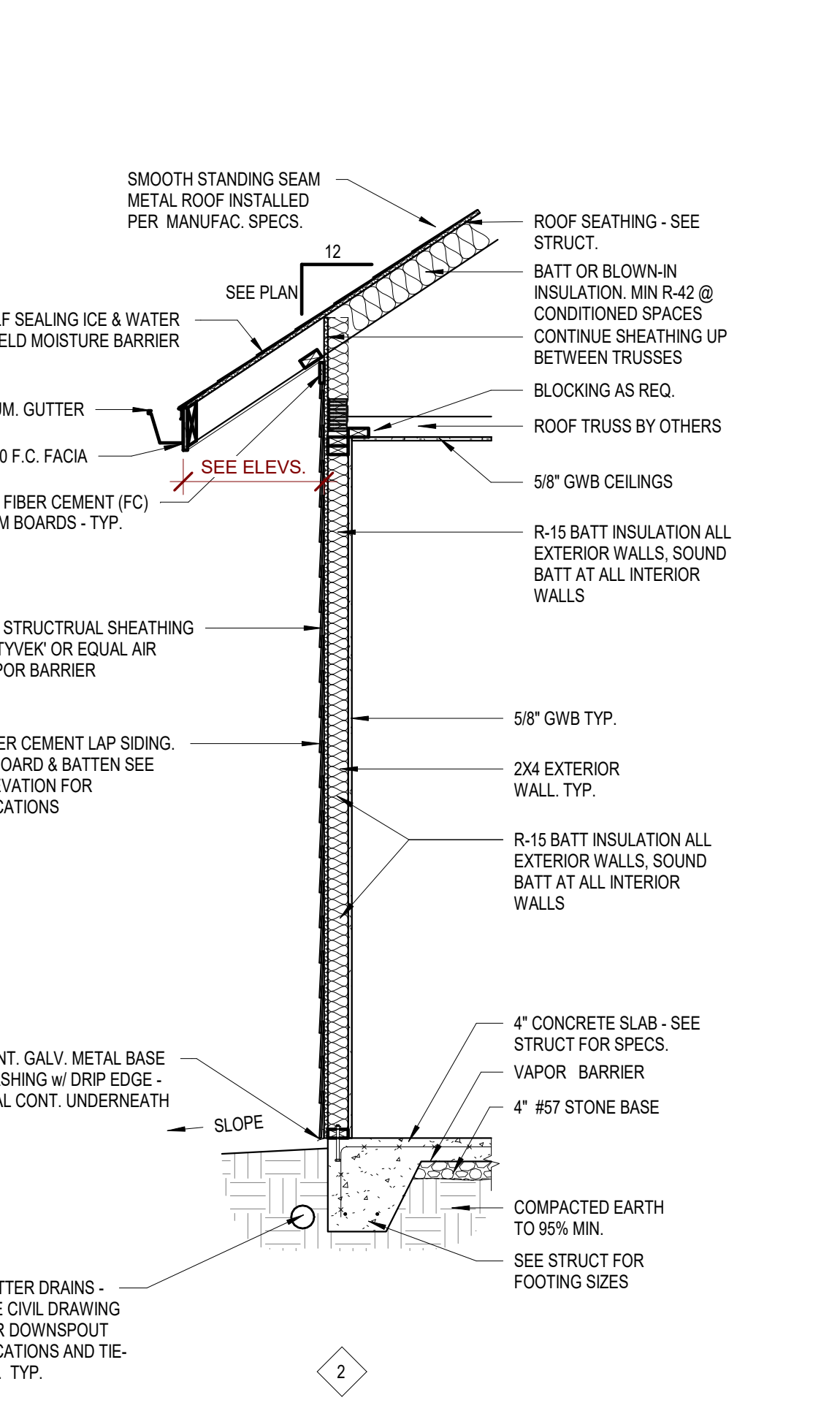
6 Detail - Rinse Shower
3/4" = 1'-0"

2 Detail - Brick on Wood
12" = 1'-0"



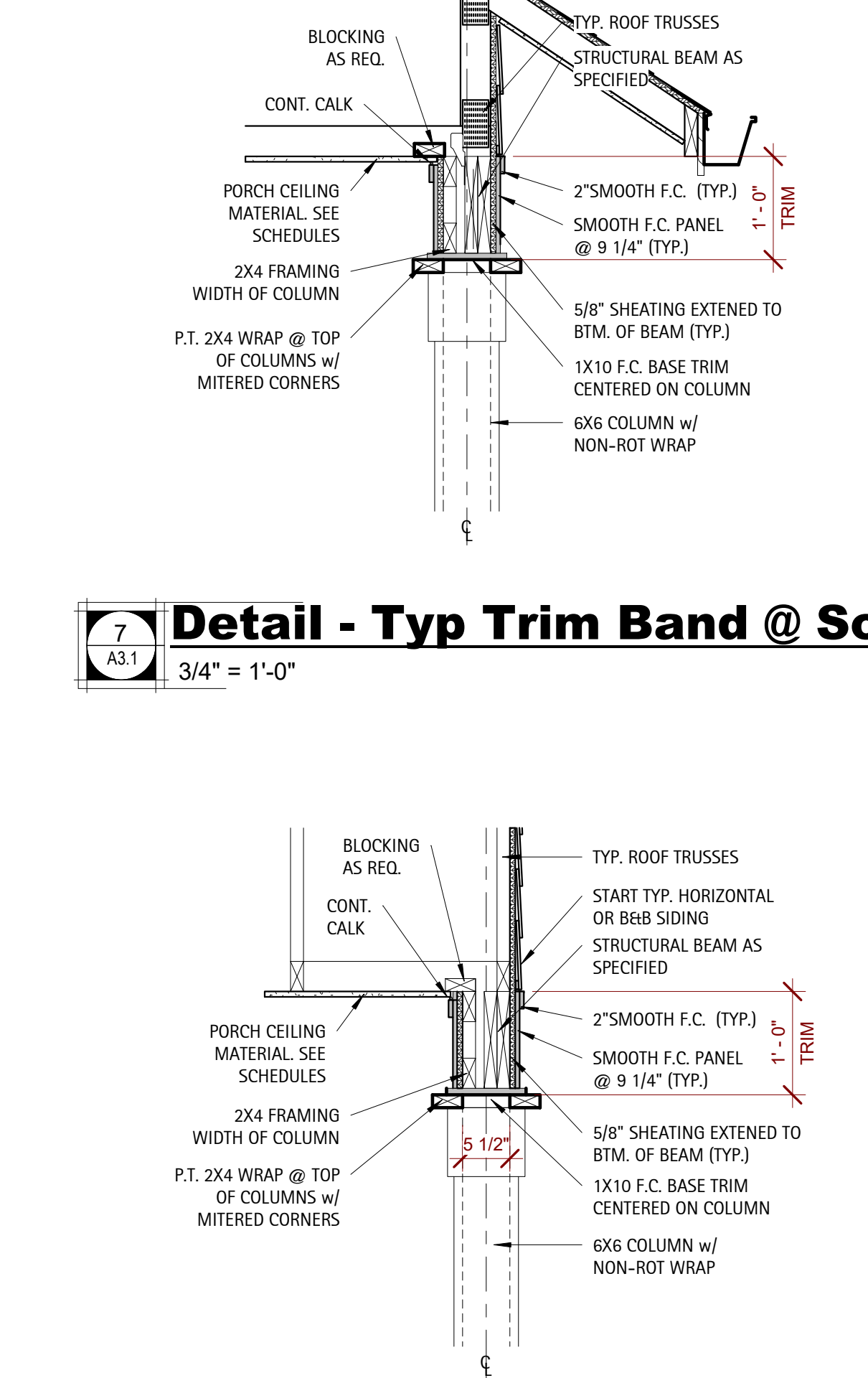
1 Typical Wall Sections
1/2" = 1'-0"

7 Detail - Typ Trim Band @ Soffit
3/4" = 1'-0"



7 Detail - Typ Trim Band @ Soffit
3/4" = 1'-0"

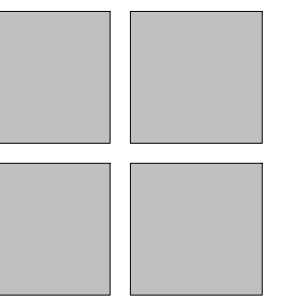
7 Detail - Typ Trim Band @ Gable
3/4" = 1'-0"



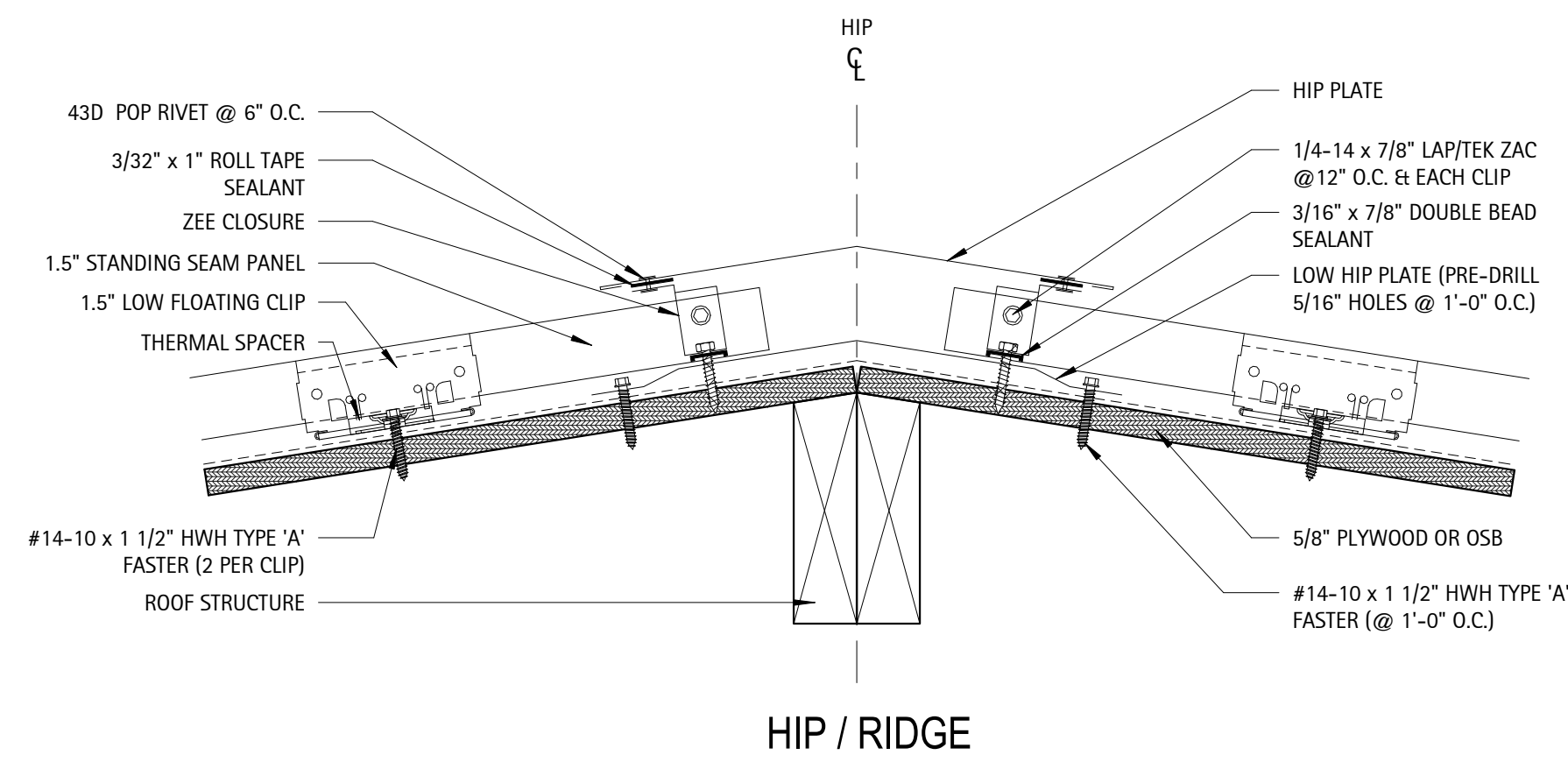
8 Detail - Typ Trim Band @ Gable
3/4" = 1'-0"



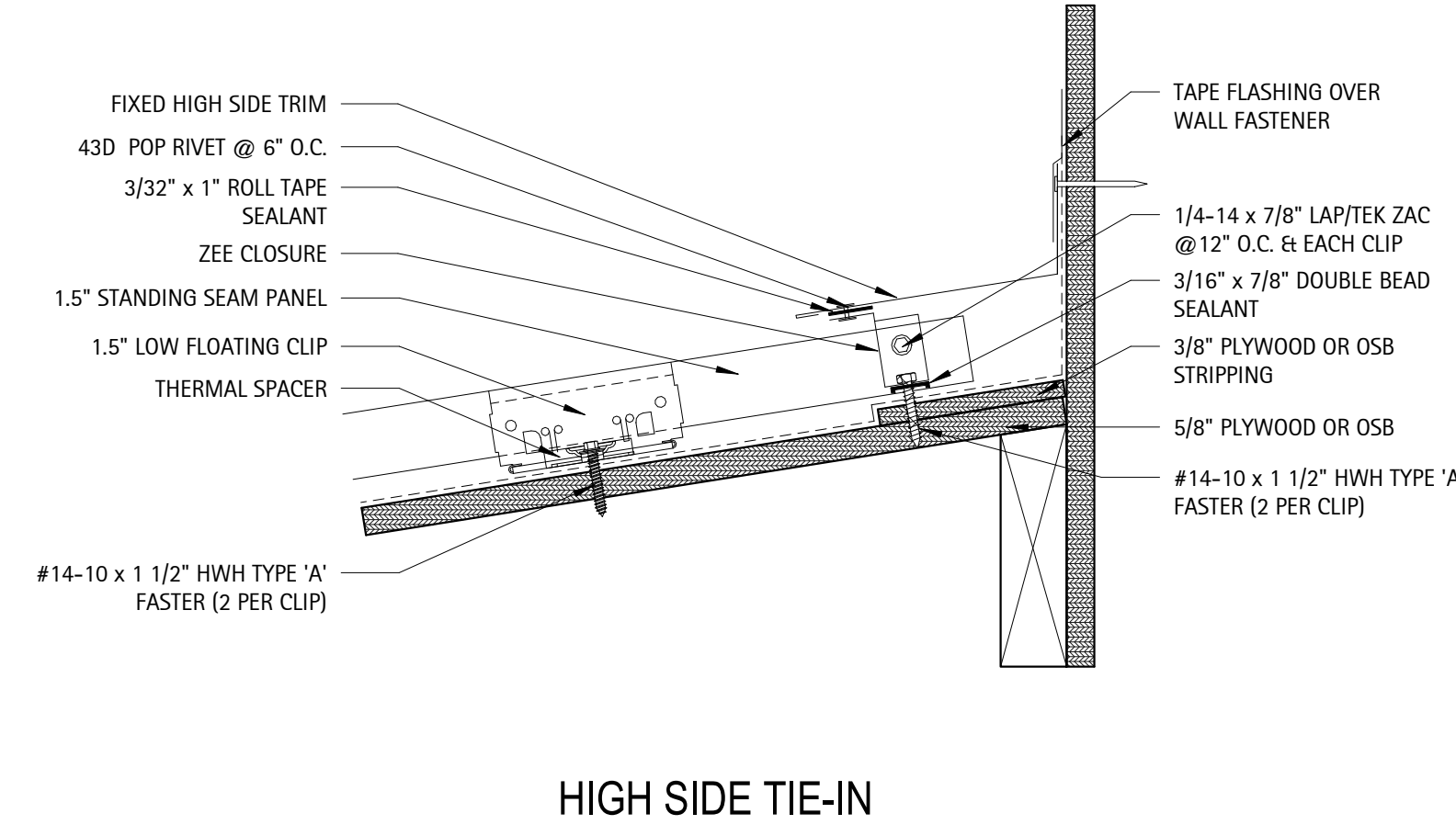
D. CLUGSTON



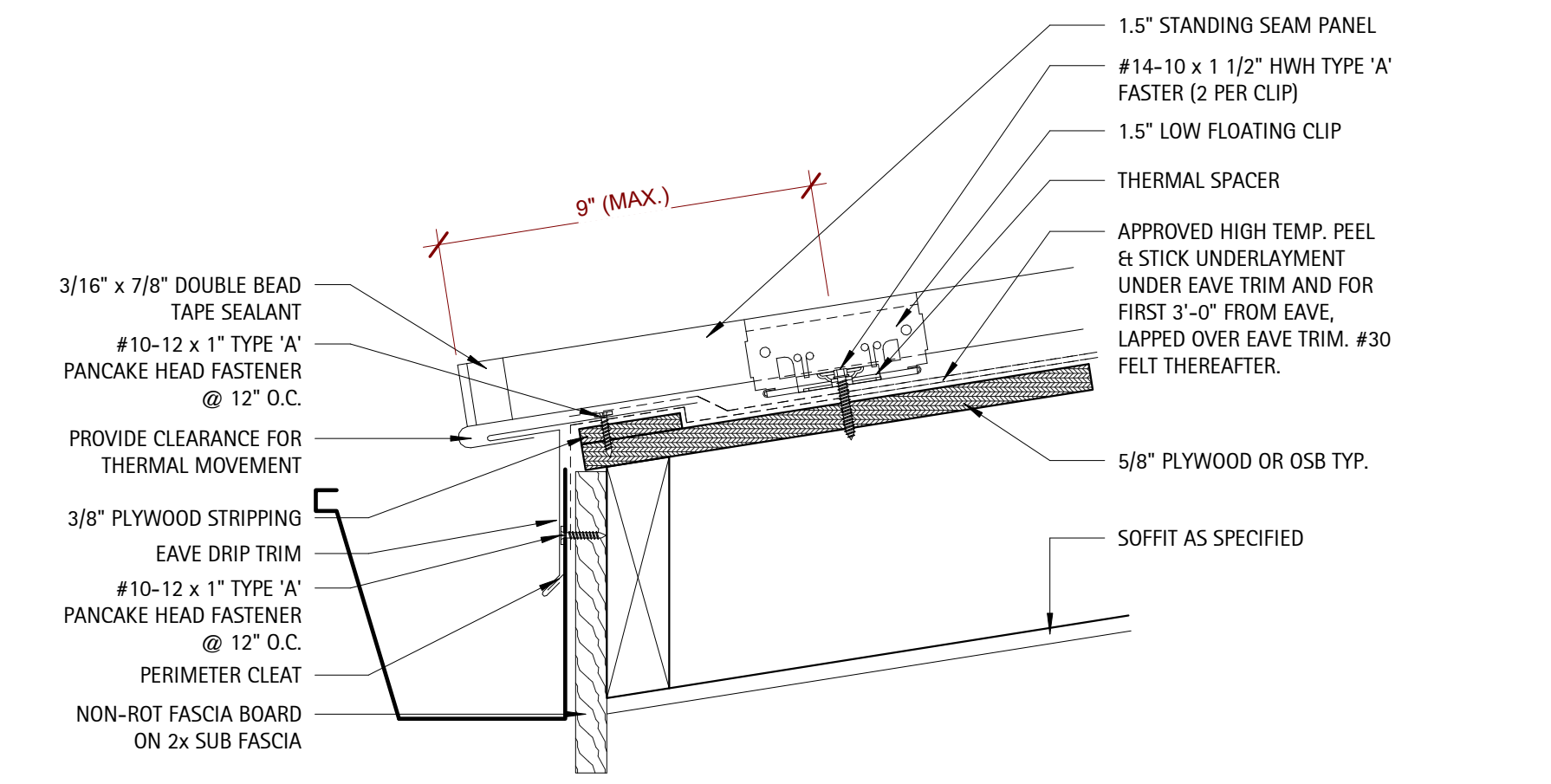
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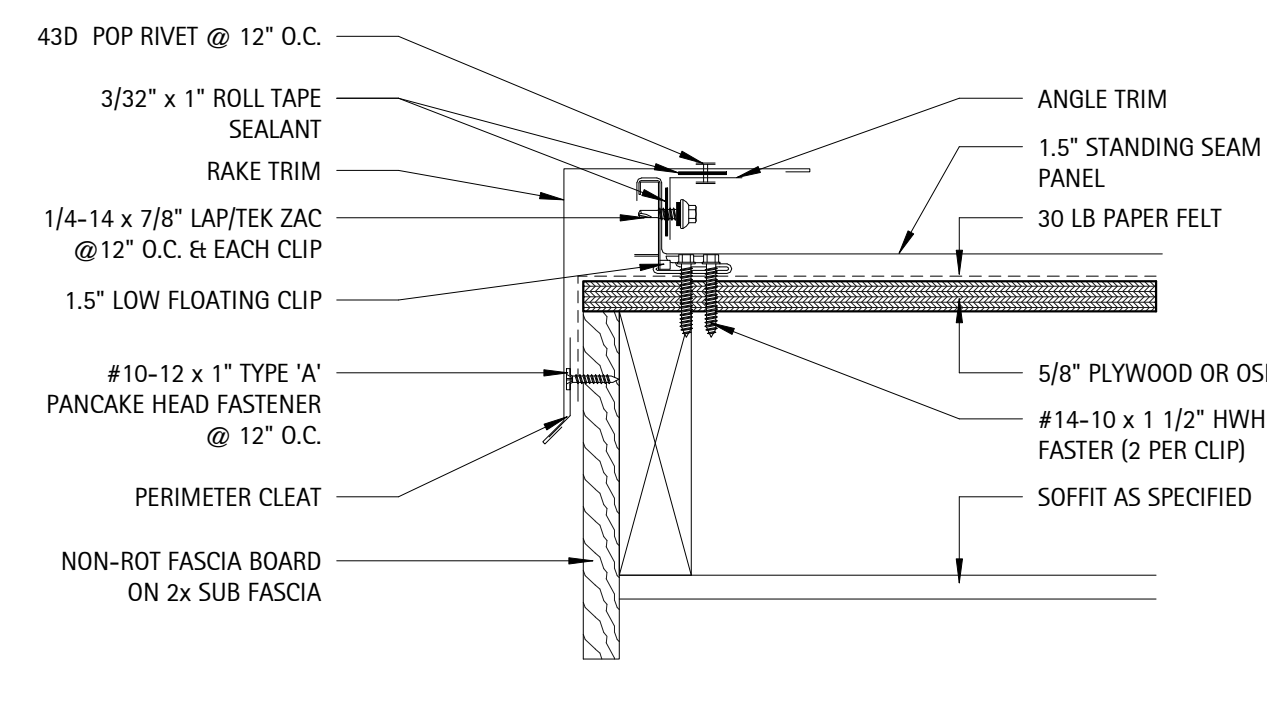
HIP / RIDGE



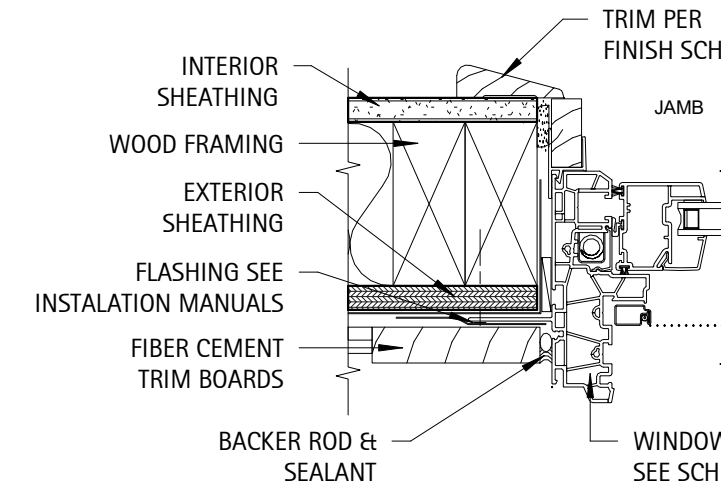
HIGH SIDE TIE-IN



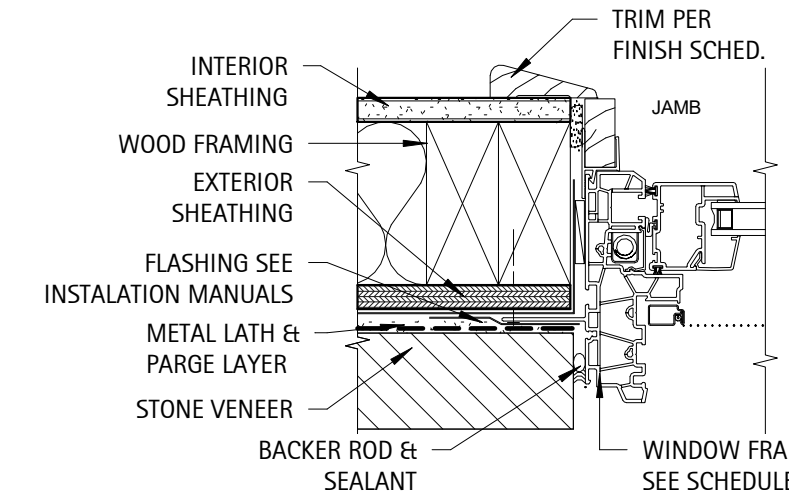
EAVE WITH GUTTER



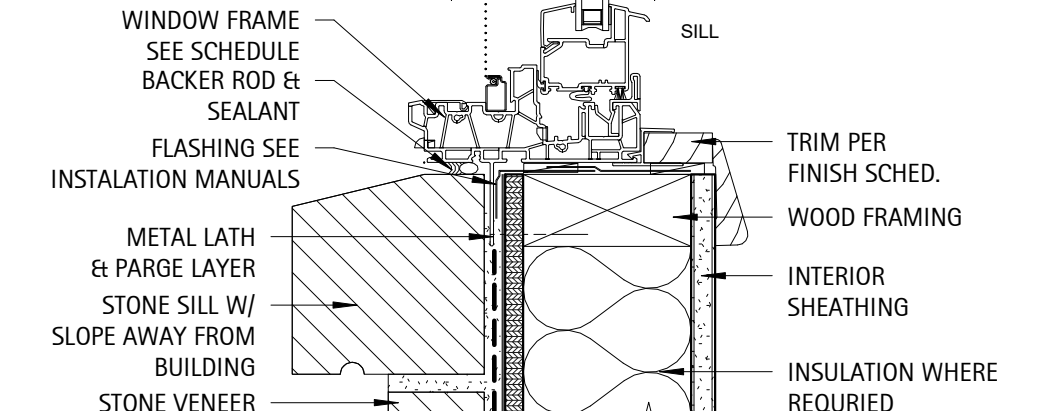
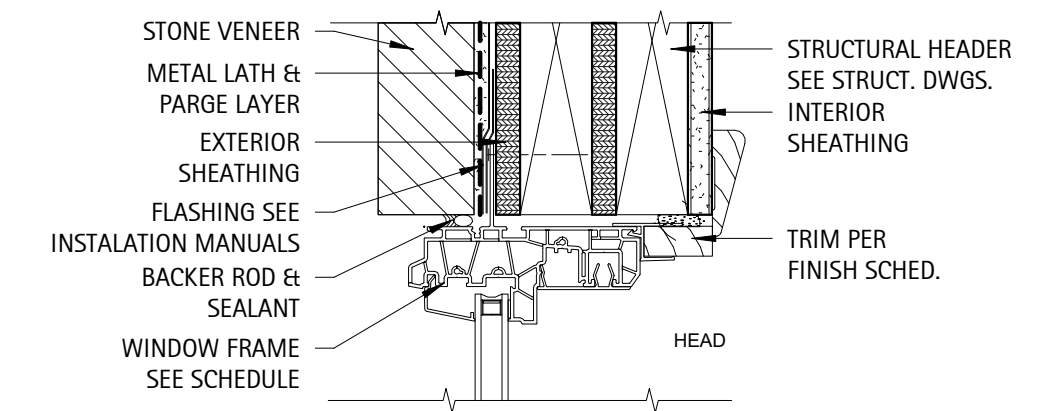
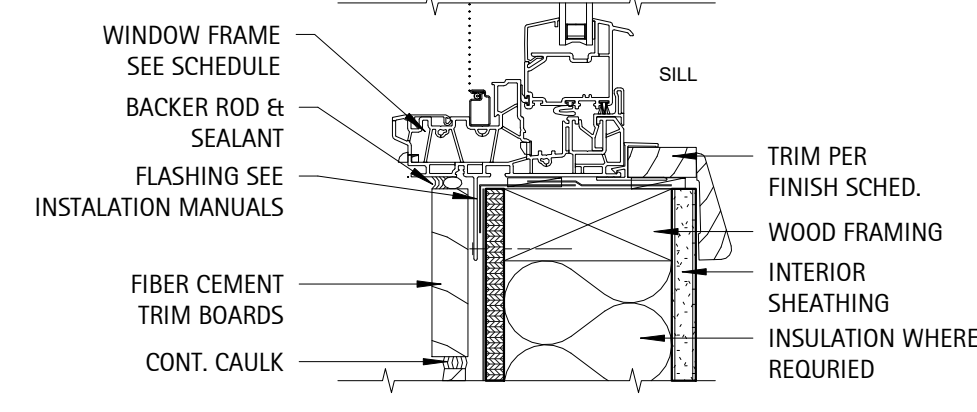
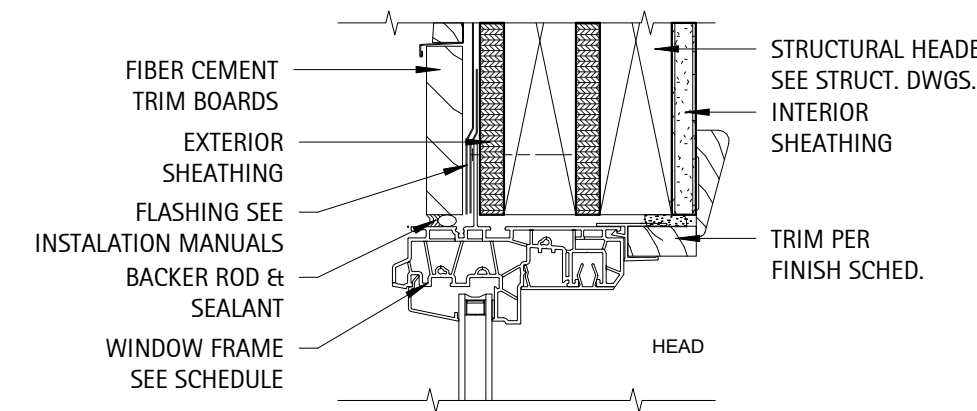
TYPICAL RAKE TRIM



WINDOW TREATMENT @ SIDING

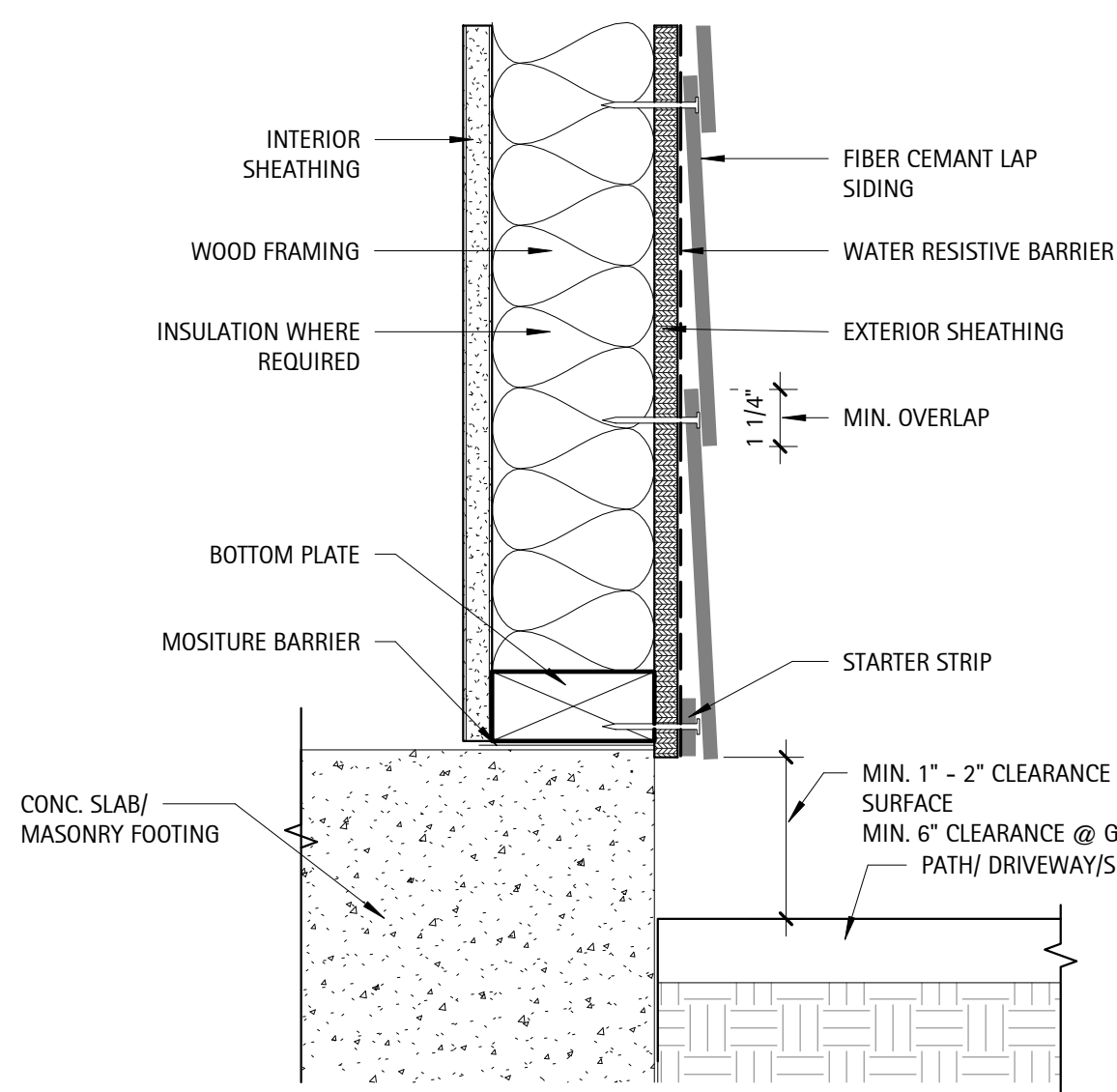


WINDOW TREATMENT @ STONE

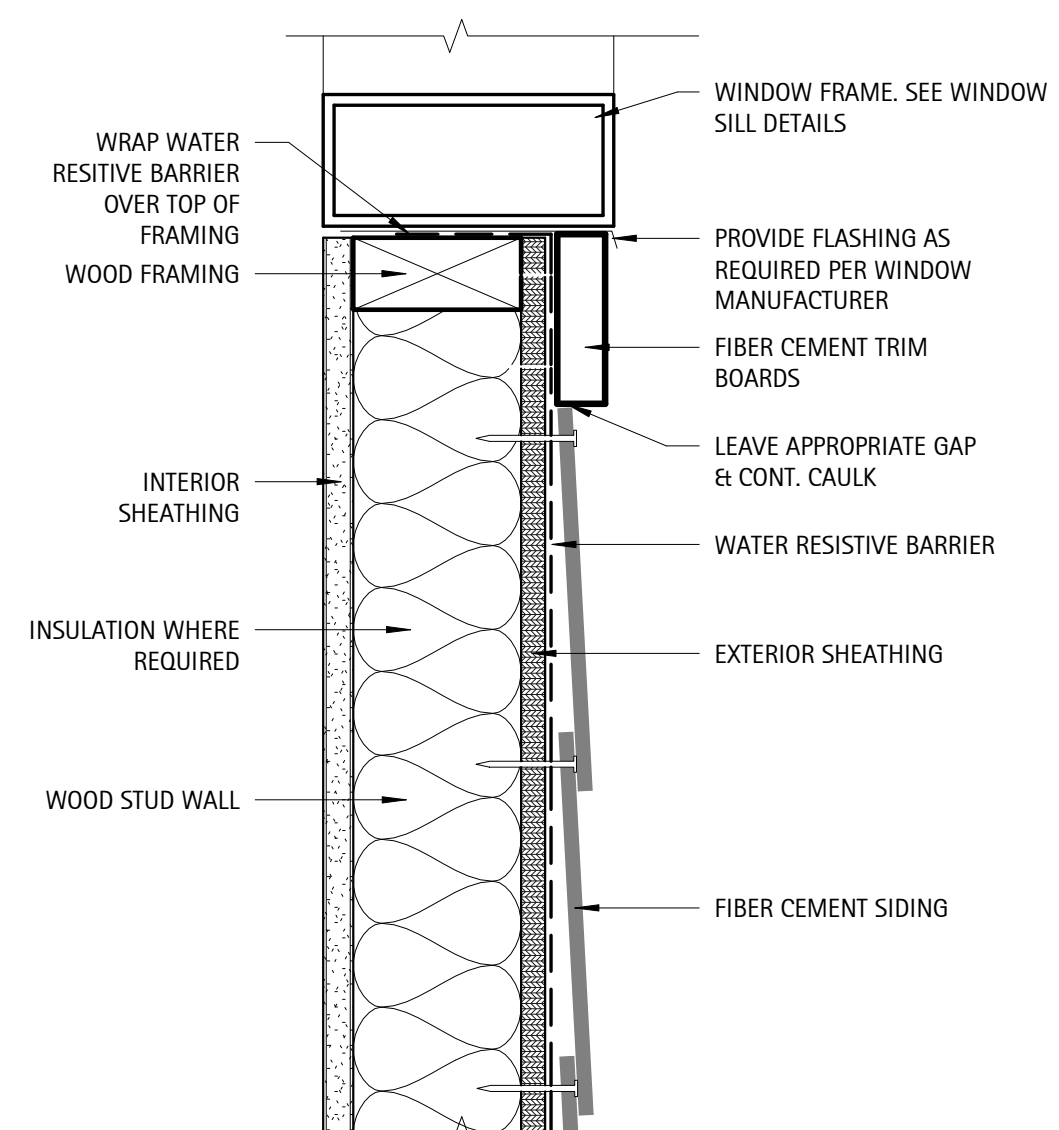


3 Detail - Standing Seam Roof
A4.0 3" = 1'-0"

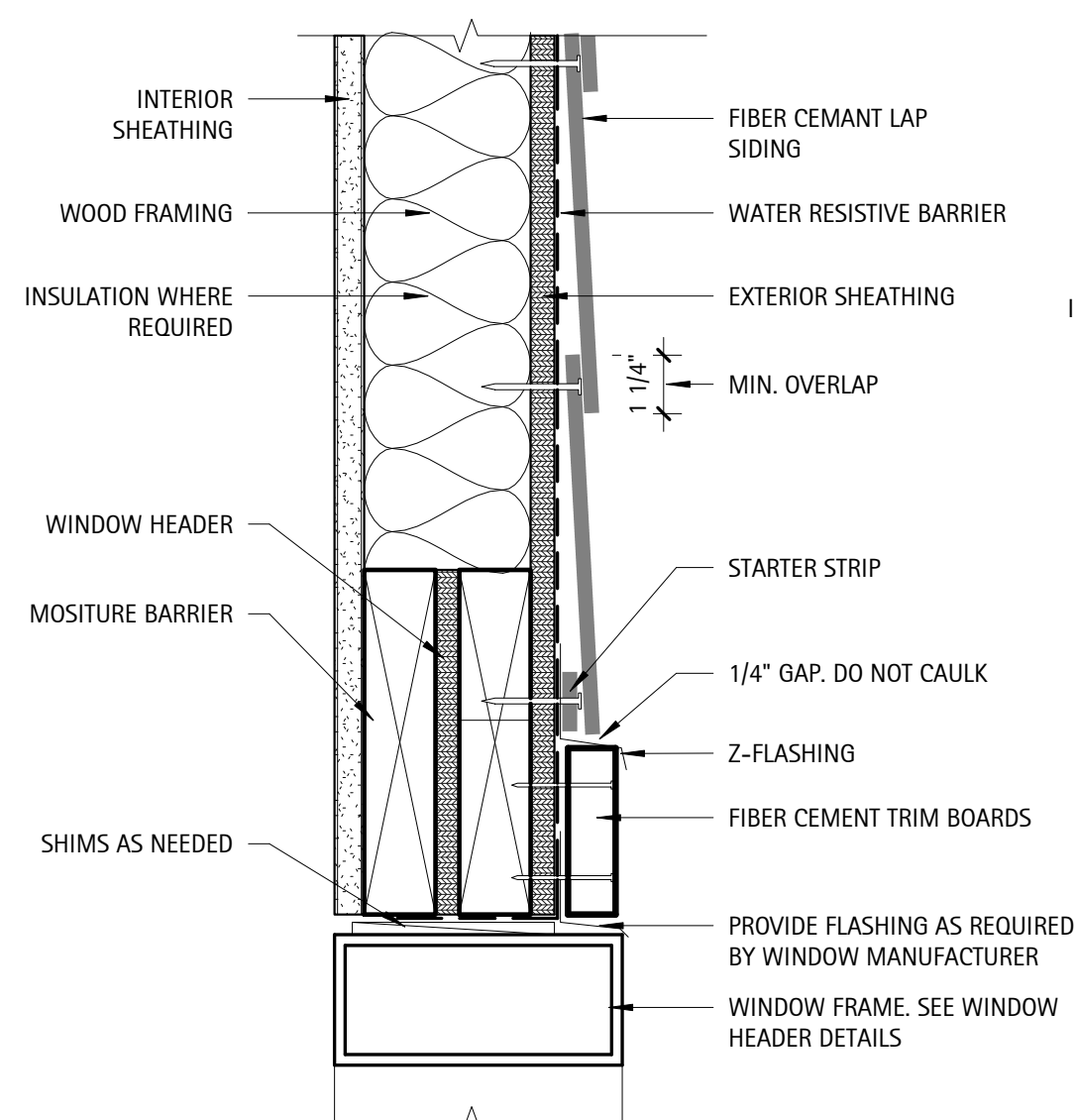
2 Detail - Window Treatments
A4.0 3" = 1'-0"



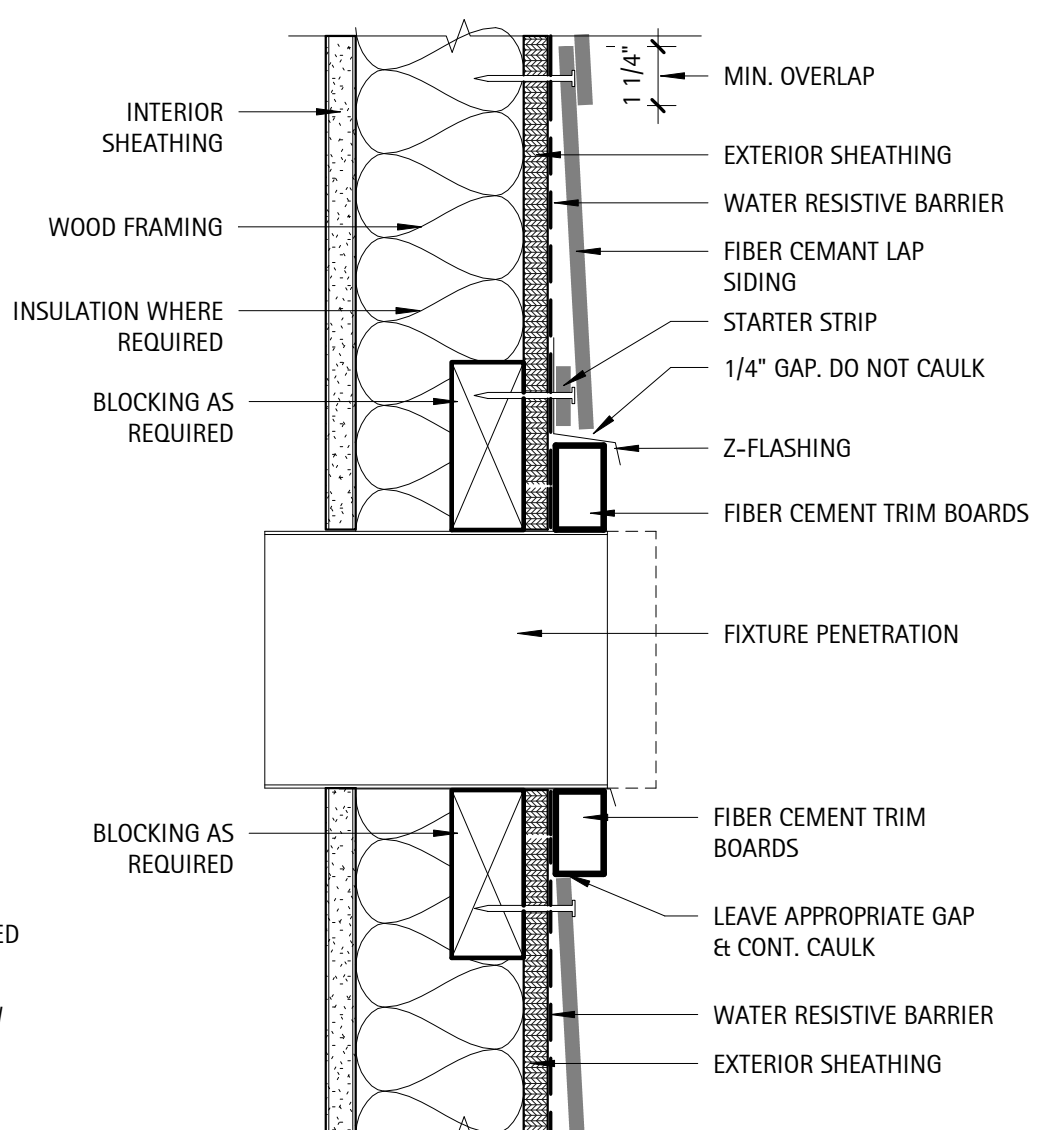
SIDING @ FOUNDATION



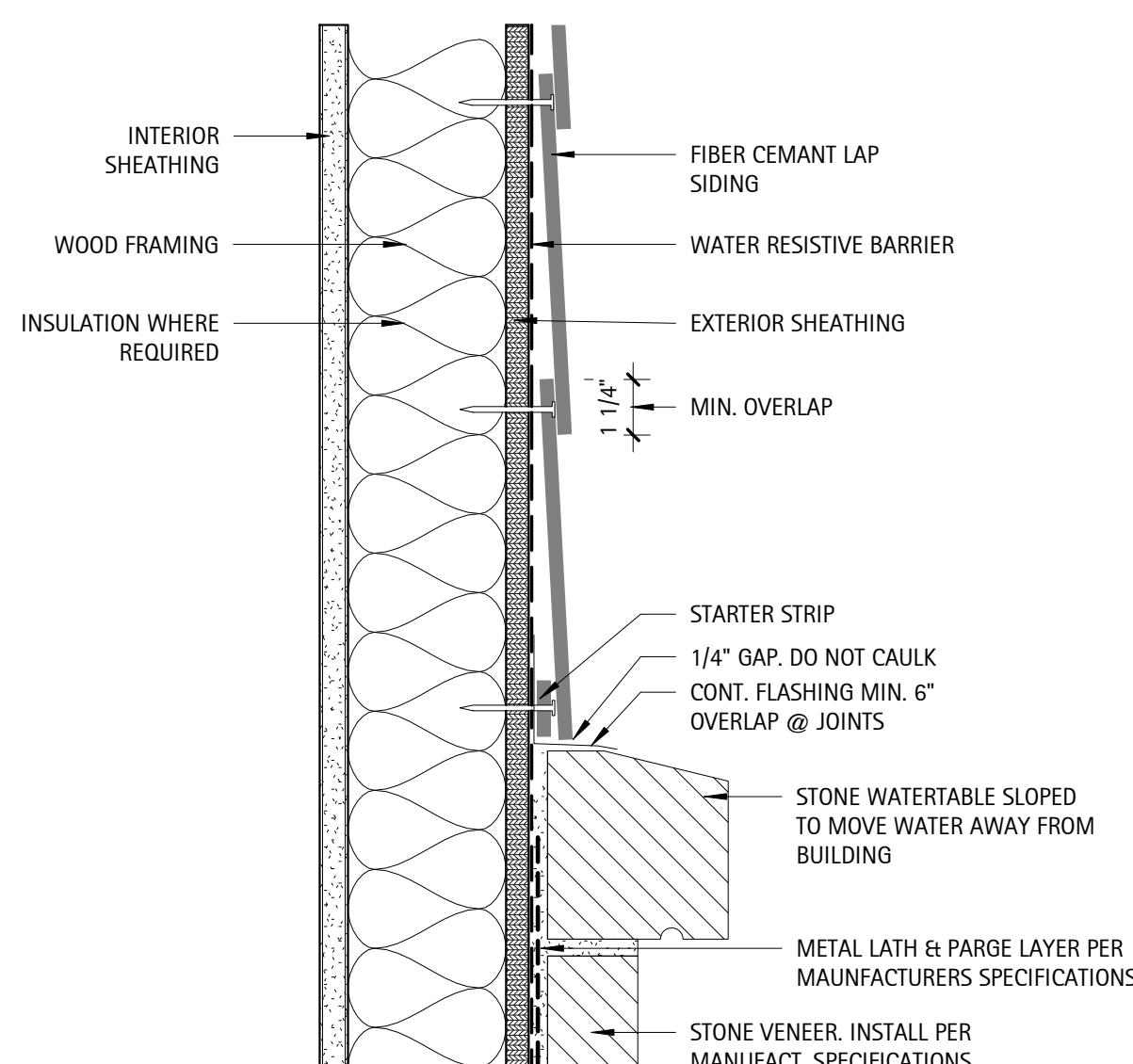
TYPICAL WINDOW SILL TRIM



TYPICAL WINDOW HEADER TRIM



TYPICAL FIXTURE TRIM



SIDING @ STONE VENEER

1 Detail - Fiber Cement Siding
A4.0 3" = 1'-0"

DATE: _____
REVISION: _____
NO.: _____

SHEET DISCRPTION

GENERAL BUILDING DETAILS

PROJECT #: 2022038
DATE ISSUED: 06/11/2024
DRAWING BY: JGM
CHECKED BY: PGC/DSC

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A4.0

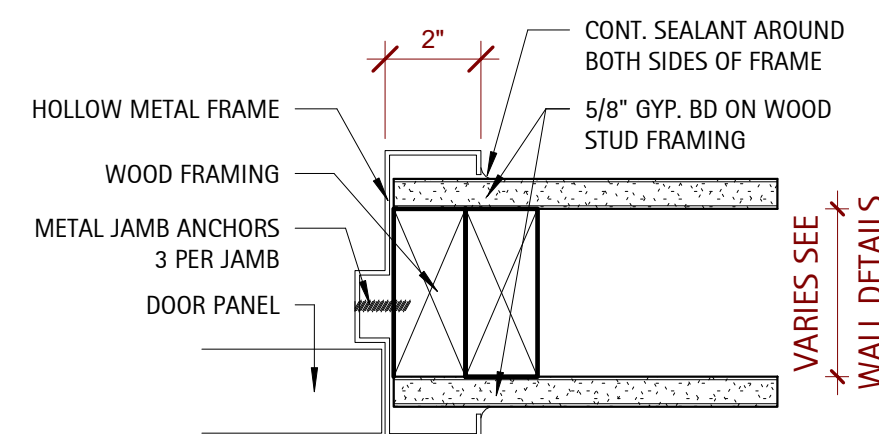
DOORS, FRAMES, HARDWARE NOTES

- Refer to Door and Hardware Schedule for extent, type and additional notes. Acceptable wood door manufacturers to be Weyerhaeuser, Eggers, Mohawk or Architect approved equal. General Contractor shall provide a hardware schedule and catalogue cuts for all finish hardware for approval by the Architect indicating location of hardware set, cross-referenced to indications on Drawings, manufacturer's name and product number, finish, and other similar information describing hardware to be provided. Items of hardware not definitely specified, but needed for satisfactory installation of hardware shall be provided. Such items shall be of type and quality suitable for service needed and comparable to adjacent hardware.
- All doors shall be set 6" off adjacent perpendicular wall, UON. Doors shall not be undercut, UON. All levers, pulls, and locks are to be provided per the schedule. All hinges and other miscellaneous exposed hardware shall be in similar and compatible finishes as indicated on Hardware Schedule.
- General Contractor shall coordinate keying system with Owner (Building Management), Landlord, and Architect. General Contractor shall coordinate security system with system vendor and scheduled hardware and the submittal of all security hardware specifications and cut sheets to the proper authorities for review and approval during building permit process.
- Provide hardware, door pulls, hinges, closers, electromagnetic devices, etc. needed to provide a full and complete installation. Provide silencers at metal frame doors. Provide floor mounted door stops unless existing conditions require wall mounted. Ensure adequate blocking for wall mounted stops. Submit to Architect for approval.
- Provide 4 1/2 x 4 1/2, full mortise, template, 5-knuckle, heavy duty, button tip hinges with non-rising loose pins and anti-friction, ball type bearing. Doors with locksets shall be furnished with non-removable pins hinges. Provide 1-1/2" pair hinges for doors up to 90" in height. Add 1 hinge for every additional 30" in height.
- Heavy duty cylindrical locksets and latchsets shall conform to ANSI A156.2, Series 4000, Grade 1. Functions as listed in schedule. Heavy duty mortise locksets and latchsets, levers shall conform to ANSI A156.13 Series, 1000, Grade 1. Overhead Closers shall be surface mounted or concealed overhead as noted in the hardware schedule and shall be heavy duty, fully hydraulic, rack and pinion action and sized to be in compliance with requirements for accessibility for handicapped and recommendations of manufacturer. Furnish complete with all necessary hardware. Furnish 2 keys per lock with a maximum of 8 keys per keyed alike set. Before final completion, adjust hardware so that doors operate in perfect order. Test and adjust hardware for quiet, smooth operation and adjust closers for proper operation. At final completion, properly tag and identify keys and deliver to Owner.
- All Hardware shall be medium grade commercial if not otherwise noted or specified. See allowance per door.
- All interior egress doors and a minimum of one exterior egress door shall be readable openable from the egress side without use of a key or special knowledge.
- All Glazing within 24" of either side of a door in a closed position, and on the same wall plane shall be tempered. Tempered glass shall be installed by code in the following locations:
 - Door Glazing;
 - Glazing for bathroom fixture enclosures (showers, etc)
 - Glazing less than 60" above tub and shower drains;
 - Glazing within 24" of an adjacent door w/ sill less than 60 degrees;
 - Individual panels of Glazing greater than 9 sqft and sill less than 18" above floor and top edge greater than 36".
- Provide an interior door signage allowance of \$25.00 per door.
- Fire Extinguisher cabinets shall be similar to J.L. Industries Mod. Clear VU 1525F26 with a clear bubble and A#10 S/J5 Finish, ADA approved and mounted. Place where shown on plans (FX)
- Door closers shall be LCN series 4040 or equivalent

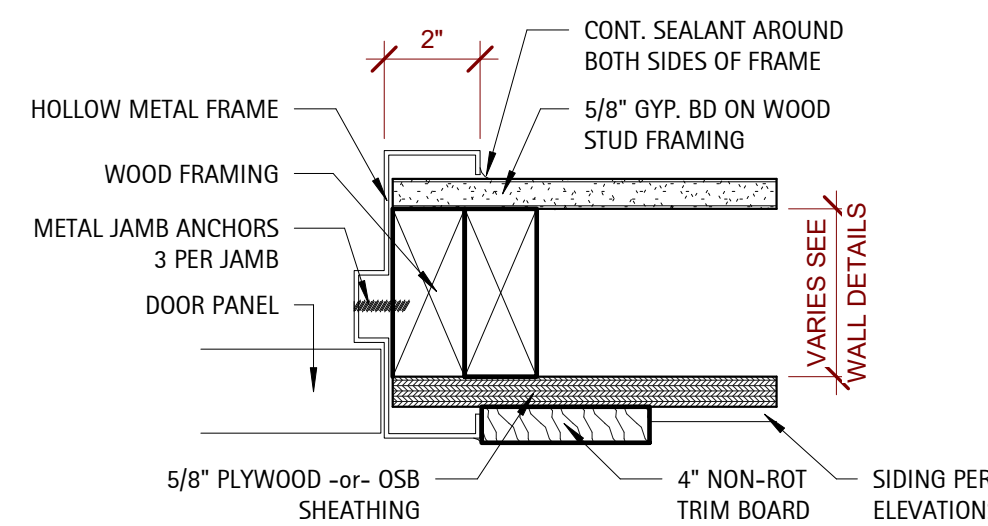
ROOM SCHEDULE								
Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Crown	Comments
100	ENTRY	Concrete - Light Broom	N/A	N/A	Hardie Panels or EQ - Painted	10'-0"	No	Slope all floors away from building walls at min. 1/8" per 1'-0"
101	HALL	Concrete - Light Broom	N/A	N/A	Hardie Panels or EQ - Painted	10'-0"	No	
102	STORAGE	Concrete - Light Broom	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	
103	ELEC.	Concrete - Light Broom	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	
104	MENS	Acrylic Chip Flooring	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	Slope all floors to drain
105	PUMP ROOM	Concrete - Light Broom	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	Slope all floors to sump
106	WOMENS	Acrylic Chip Flooring	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	Slope all floors to drain
107	CHEM.	Concrete - Light Broom	1x8 Fiber Cement - Painted	MR GWB - Painted	MR GWB - Painted	10'-0"	No	Provide non-rot chemical shelf at 16" A.F.F.
108	COVERED PORCH	Concrete - Light Broom	N/A	N/A	Hardie Panels or EQ - Painted	10'-0"	No	Slope all floors away from building walls at min. 1/8" per 1'-0"
109	COVERED PAVILLION	Concrete - Light Broom	N/A	N/A	Hardie Panels or EQ - Painted	Varies	No	

DOOR SCHEDULE																									
Door Number	Style	Door					Rough Width	Rough Height	Door		Frame	Fire Rating	Hardware											Comments	
		Width	Height	Thickness	Material	Finish			Material	Finish			Push / Pull	Passage Set	Privacy Set	Office Set	Storage Set	Deadbolt	Panic Hardware	Closer	Weather strip	Threshold	FOB Access		Time Lock
103	Type A	3' - 0"	7' - 0"	0' - 1 3/4"	3' - 2 1/2"	7' - 1 1/4"	Metal	Paint	HM	N/A	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
104	Type A	3' - 0"	7' - 0"	0' - 1 3/4"	3' - 2 1/2"	7' - 1 1/4"	Metal	Paint	HM	N/A	Yes	No	No	No	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Timelock from dawn to dusk. Coordinate with H.O.A.	
105	Type B	3' - 6"	7' - 0"	0' - 1 3/4"	3' - 8 1/2"	7' - 1 1/4"	Metal	Paint	HM	N/A	No	No	No	No	Yes	No	No	No	No	Yes	Yes	Yes	No	No	See Mech for Vent Req. - w/ Placards per NFPA704
106	Type A	3' - 0"	7' - 0"	0' - 1 3/4"	3' - 2 1/2"	7' - 1 1/4"	Metal	Paint	HM	N/A	Yes	No	No	No	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Timelock from dawn to dusk. Coordinate with H.O.A.	
107	Type B	3' - 0"	7' - 0"	0' - 1 3/4"	3' - 2 1/2"	7' - 1 1/4"	Metal	Paint	HM	N/A	No	Yes	No	No	No	No	No	No	No	No	No	No	No	See Mech for Vent Req. - w/ Placards per NFPA704	
G100	Type C	4' - 0"	6' - 0"				Metal	Paint	Metal	N/A	Yes	No	No	No	No	No	Yes	Yes	No	No	No	Yes	No	Gate: See Pool Details	
G101	Type C	4' - 0"	6' - 0"				Metal	Paint	Metal	N/A	Yes	No	No	No	No	No	Yes	Yes	No	No	No	Yes	No	Gate: See Pool Details	
G104	Type C	4' - 0"	6' - 0"				Metal	Paint	Metal	N/A	Yes	No	No	No	No	No	Yes	Yes	No	No	No	Yes	No	Gate: See Pool Details	
G105	Type C	4' - 0"	6' - 0"				Metal	Paint	Metal	N/A	Yes	No	No	No	No	No	Yes	Yes	No	No	No	Yes	No	Gate: See Pool Details	
Grand total: 9																									

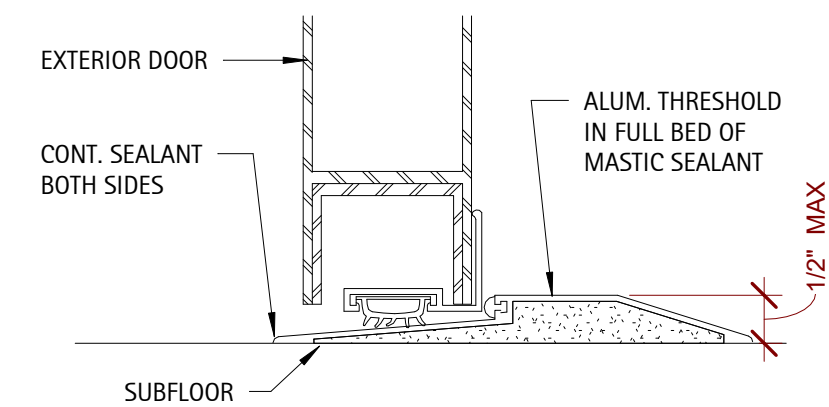
WINDOW SCHEDULE									
Mark	Count	Size		Rough Width	Rough Height	Type	Finish	Head Height	Comments
		Width	Height						
A	4	3' - 0"	5' - 0"	3' - 0 1/2"	5' - 0 1/2"	TYPE A		8'-0"	Frosted
B	8	3' - 0"	2' - 0"	3' - 0 1/2"	2' - 0 1/2"	TYPE B		Varies	



INTERIOR DOOR JAMB



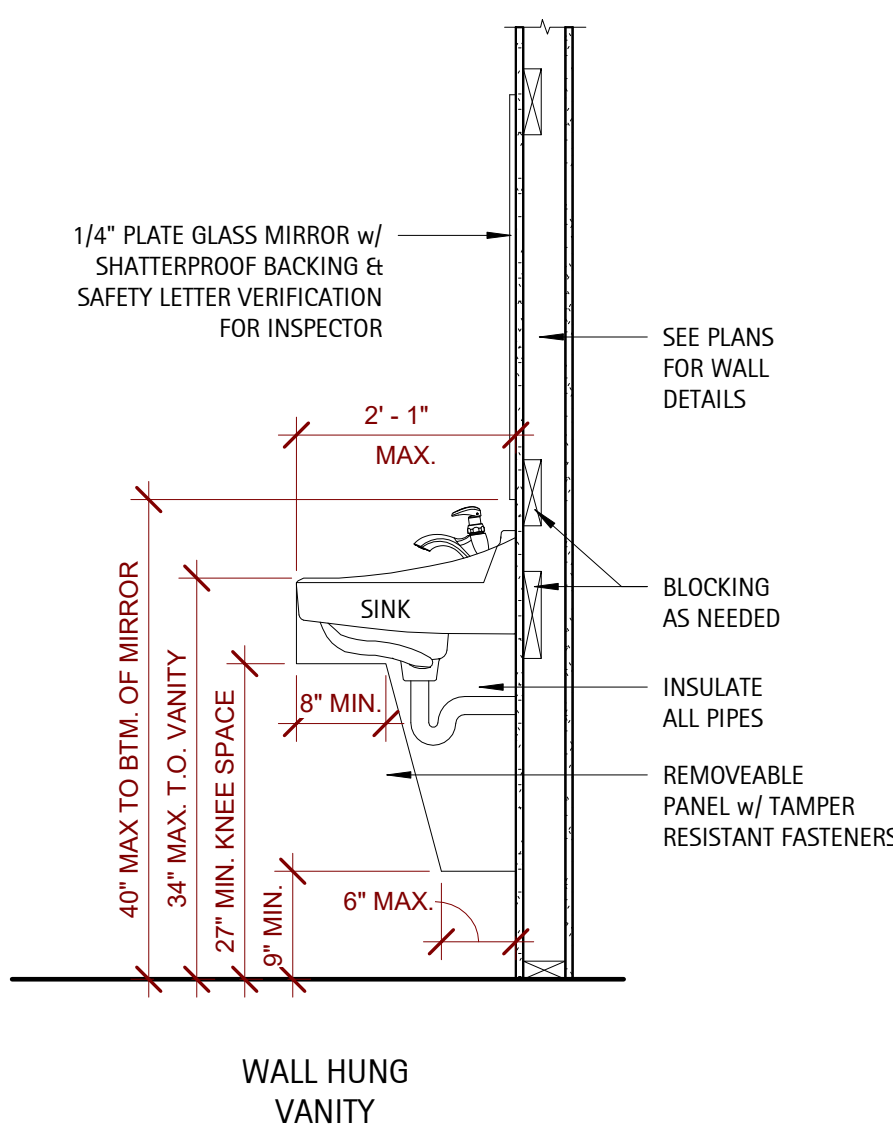
EXTERIOR DOOR JAMB



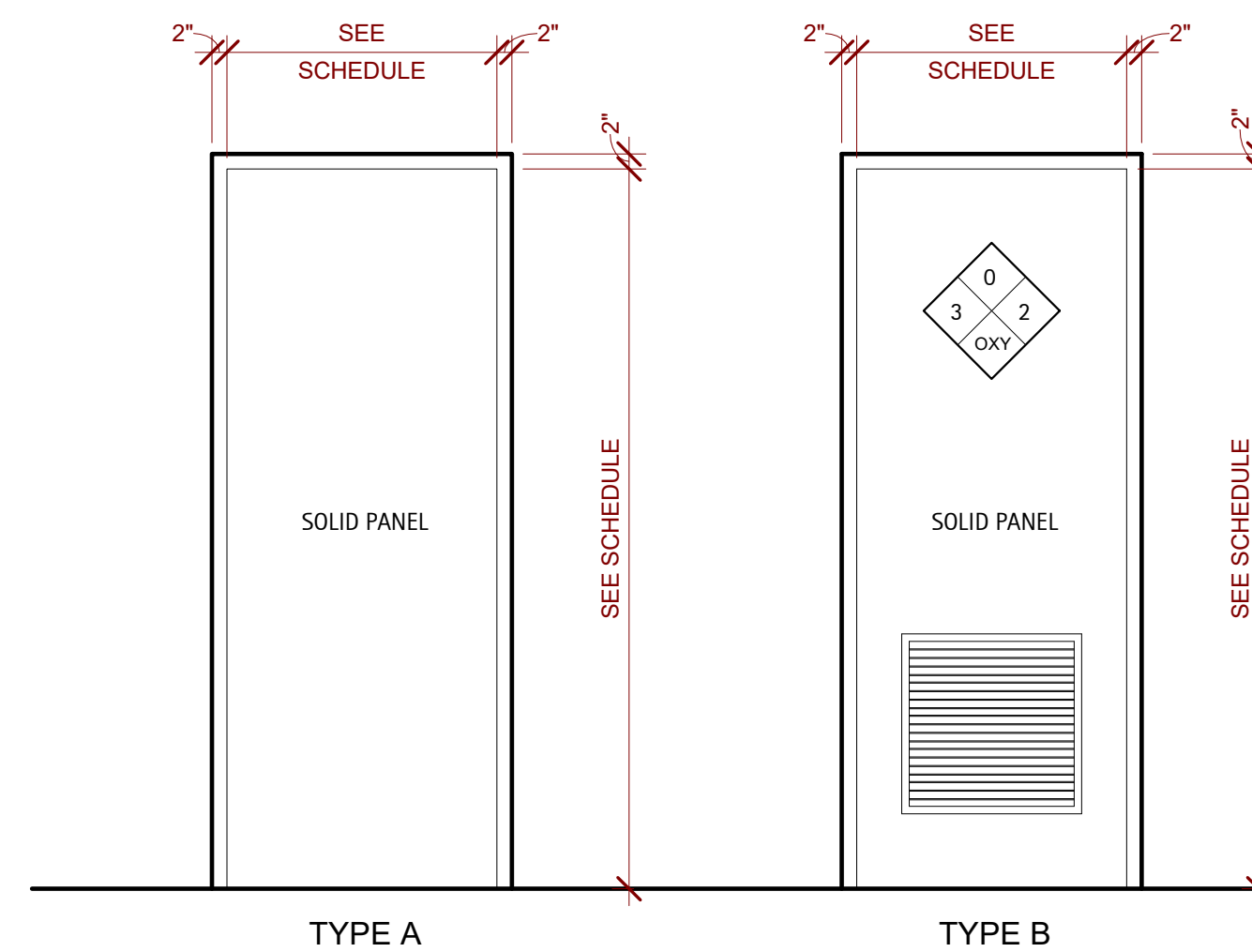
EXTERIOR DOORS THRESHOLD

4 AS.0 Detail - Typ. Door Jambs
3" = 1'-0"

3 AS.0 Detail - Typ. Threshold
6" = 1'-0"



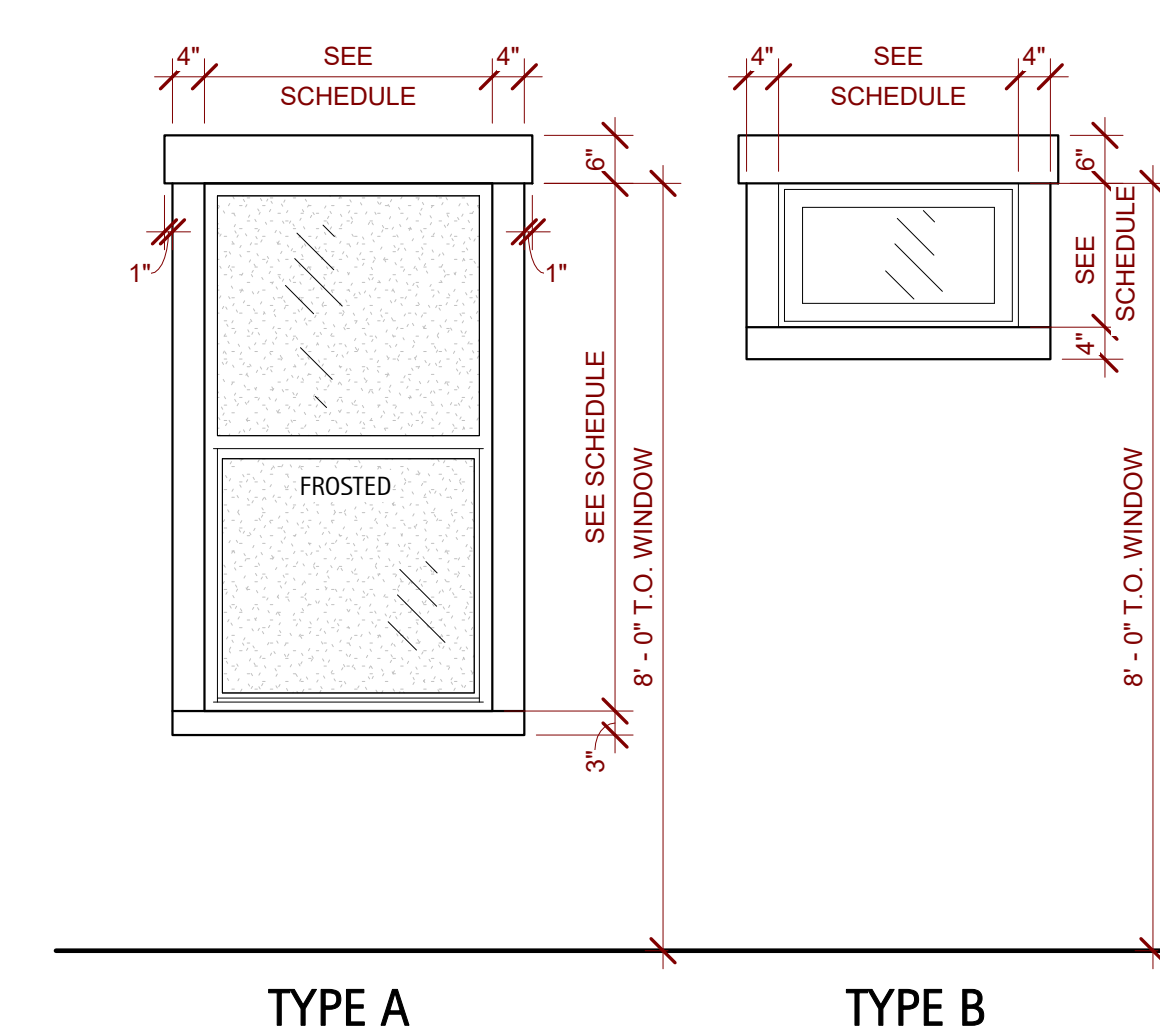
5 AS.0 Detail - Typical Sink Sections
3/4" = 1'-0"



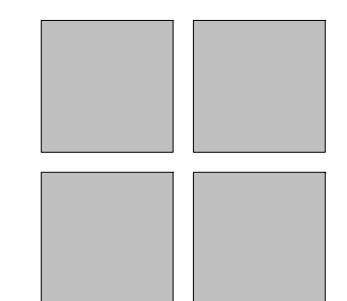
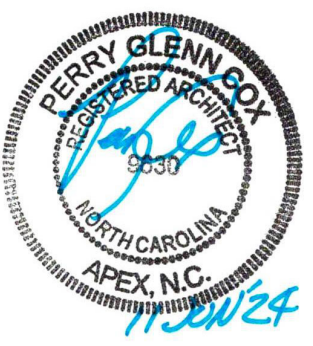
2 AS.0 Detail - Door Frames
1/2" = 1'-0"

NOTE: EXTERIOR GLASS DOORS TO HAVE 'ADVANCED LOW-E' GLAZING

NOTE: SEE EXTERIOR ELEVATIONS FOR EXTERIOR TRIM STYLES.



1 AS.0 Detail - Window Types
1/2" = 1'-0"



Perry Cox architect, p.a.
124 Salem Towne Court, Apex, NC 27502
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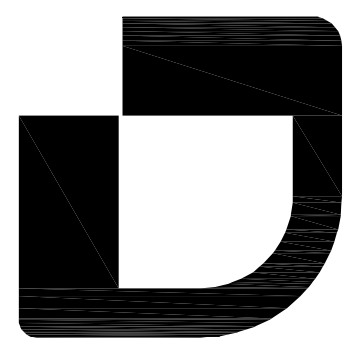
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SHEET DISCUSSION
SCHEDULES & DETAILS

PROJECT #: 2022038
DATE ISSUED: 06/11/2024
DRAWING BY: JGM
CHECKED BY: PGC/JSC

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ANGIER, NC**

A5.0



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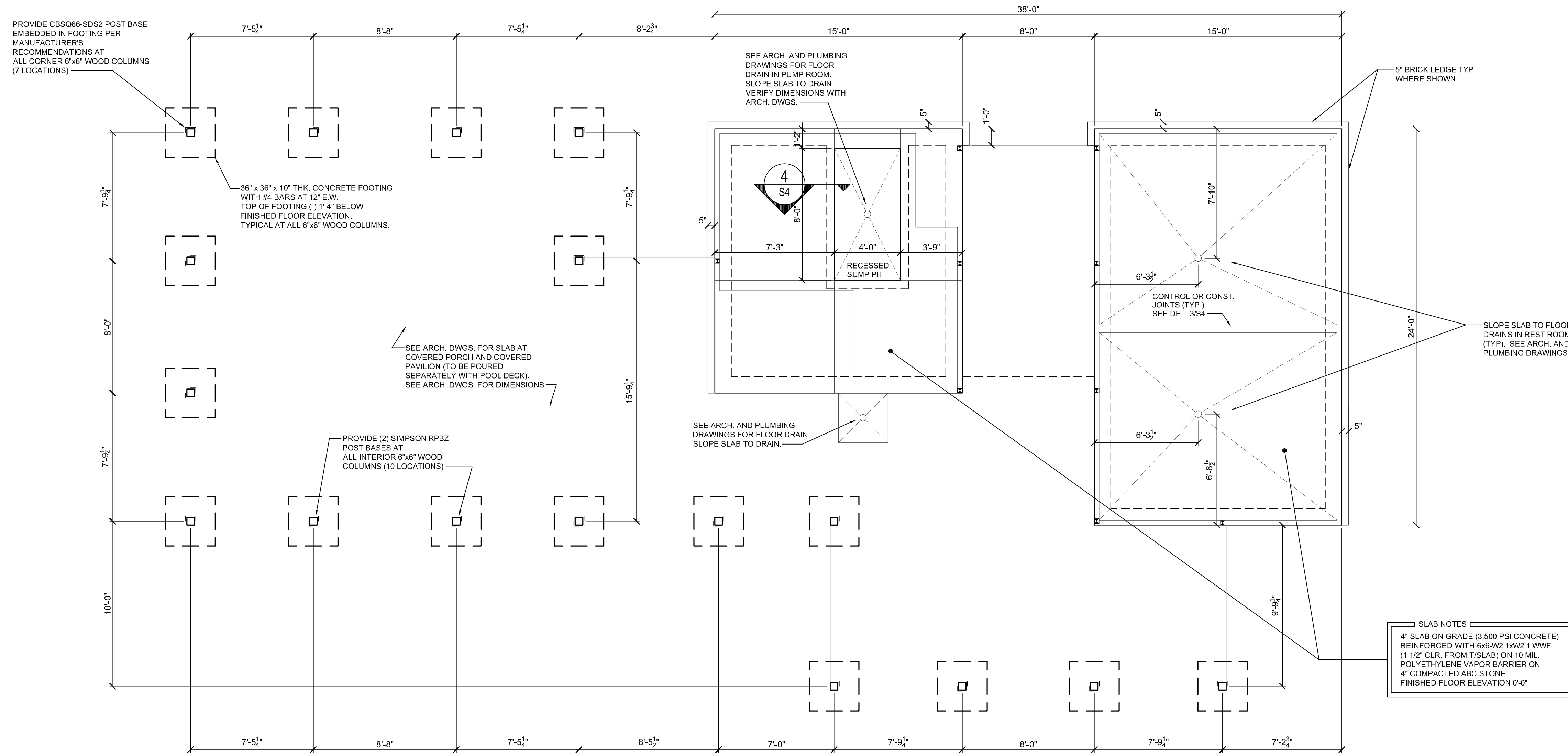
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NO.	

SHEET DESCRIPTION

Slab and Foundation Plan

PROJECT #: C220704
 DATE ISSUED: 07/25/2022
 DRAWING BY: BR
 CHECKED BY: BR/JM/BJ

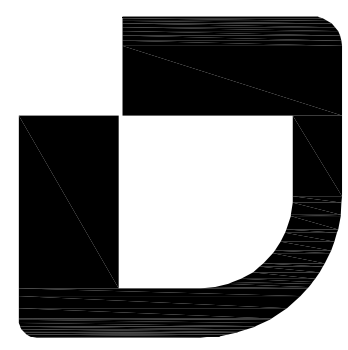
HONEYCUTT OAKS
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 ANGLIER, NC



SLAB NOTES
 4" SLAB ON GRADE (3,500 PSI CONCRETE)
 REINFORCED WITH 6x6-W2, W2, 1 WWF
 (1 1/2" CLR. FROM T/SLAB) ON 10 MIL
 POLYETHYLENE VAPOR BARRIER ON
 4" COMPACTED ABC STONE.
 FINISHED FLOOR ELEVATION 0'-0"

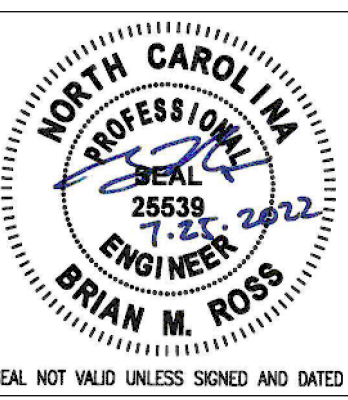
1 SLAB AND FOUNDATION PLAN
 S1 1/4" = 1'-0"





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SHEET DESCRIPTION

Ceiling Framing Plan

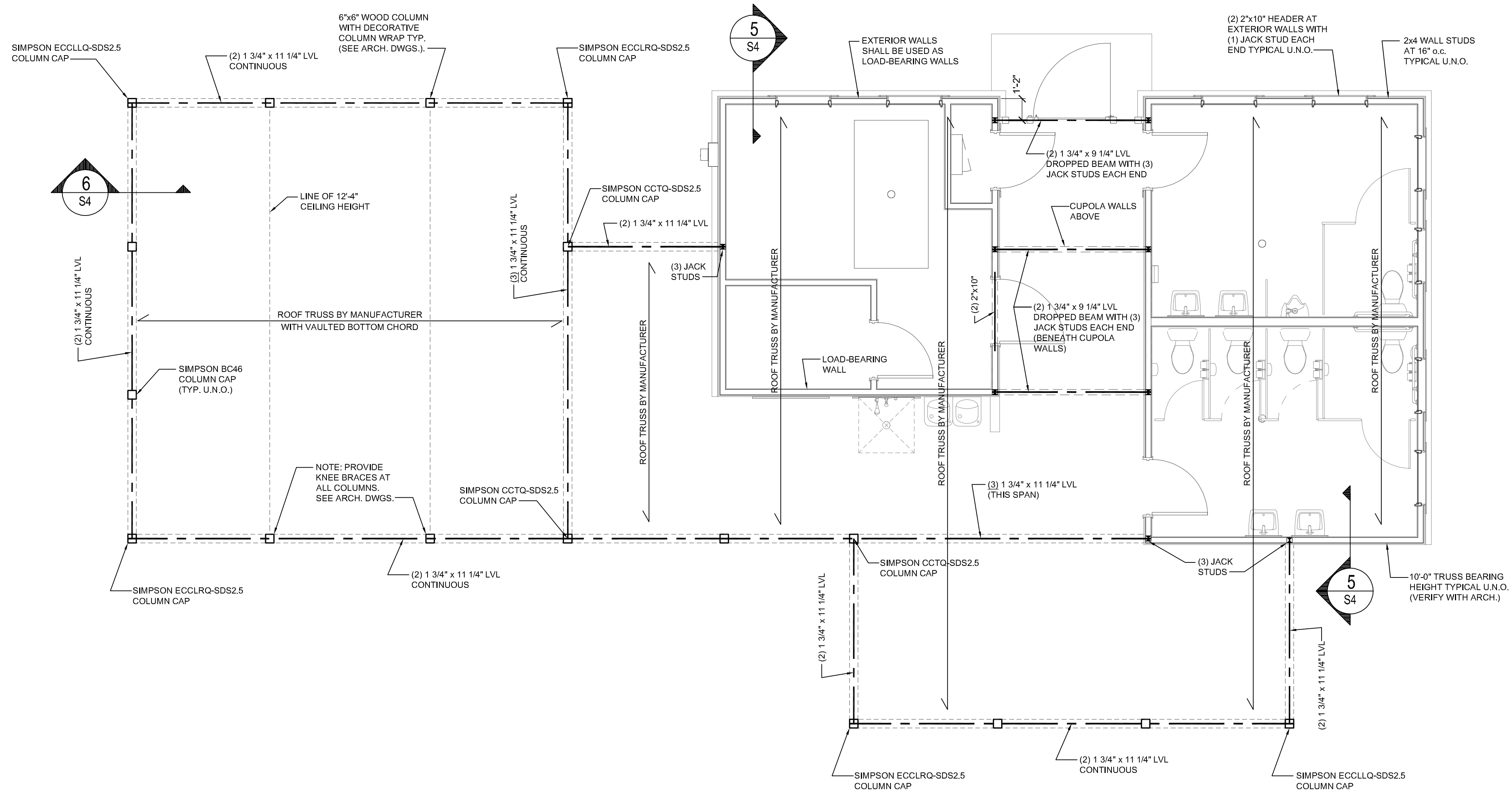
PROJECT #: C220704

DATE ISSUED: 07/25/2022

DRAWING BY: BR

CHECKED BY: BR/JM/BJ

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1 WALL AND CEILING FRAMING PLAN
S2 1/4" = 1'-0"



STRUCTURAL NOTES

I. GENERAL

- DESIGN CODES
 - NORTH CAROLINA BUILDING CODE, 2018 EDITION (AMENDED 2015 INTERNATIONAL BUILDING CODE)
 - ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
 - AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN NINTH EDITION
 - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- DESIGN LOADS
 - LIVE LOADS: FLOOR: 100 PSF
ROOF: 20 PSF
 - ULTIMATE DESIGN WIND SPEED: 116 MPH
 - GROUND SNOW LOAD 15 PSF
 - SEISMIC DESIGN CATEGORY B
SITE CLASS D
Ss = 0.172
S1 = 0.083
- ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION OF 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DETAILED SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.
- ROSS LINDEN ENGINEERS PC ASSUMES NO LIABILITY FOR CHANGES OR MODIFICATIONS MADE TO THESE DRAWINGS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THESE DRAWINGS.

II. CONCRETE

- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTH AND SLUMP REQUIREMENTS:
3,500 PSI 28-DAY COMPRESSIVE STRENGTH, MAX. 5" SLUMP.
- ALL CONCRETE SHALL BE MOIST CURED PER ACI 301 OR CURED WITH AN APPROVED CURING COMPOUND. CONTRACTOR SHALL VERIFY THAT THE CURING COMPOUND IS COMPATIBLE WITH FLOOR COVERING ADHESIVES, COATINGS, OR TOPPING TO BE USED. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS.
- UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL, CONFORMING TO ASTM A-615, GRADE 60, DEFORMED.
- UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. (ACI 315)
- ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES PER ACI 318-14, UNLESS OTHERWISE SHOWN.
- ANCHOR BOLTS TO BE ASTM A36 OR A307.
- CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL SPREAD FOOTINGS BEARING ON NATIVE SOIL OR STRUCTURAL FILL ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 2,500 PSF. A GEOTECHNICAL REPRESENTATIVE SHALL INSPECT ALL FOOTING EXCAVATIONS TO CONFIRM ALLOWABLE BEARING PRESSURES.
- PROVIDE TWO (2) #5 x 4'-0" LONG DIAGONAL BARS IN TOP FACE OF ALL SLABS (1" CLEAR) AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE.
- CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS AND EQUIPMENT PADS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITIES THROUGHOUT THE BUILDING.
- ALL DOWELS WHICH ARE TO BE DRILLED AND GROUTED INTO EXISTING CONCRETE SHALL BE DONE WITH AN EPOXY GROUT. DRILL HOLE WITH DIAMETER 1/8" LARGER THAN DOWEL OR AS RECOMMENDED BY GROUT SUPPLIER. USE HIT-RE 500 V3 BY HILTI OR APPROVED EQUAL.

STRUCTURAL DESIGN

DESIGN LOADS:

Occupancy Category	II	
Importance Factors:	Wind (IW)	1.0
	Snow (IS)	1.0
	Seismic (IE)	1.0
Live Loads:	Roof	20 psf
	Mezzanine	N/A psf
	Floor	100 psf
Ground Snow Load:	15 psf	
Wind Load:	Ultimate Wind Speed	116 mph (ASCE 7-10)
	Exposure Category	B
	Wind Base Shears (for MWFRS)	Vx = 4.4K Vy = 10.0K

SEISMIC DESIGN CATEGORY A B C D

Provide the following Seismic Design Parameters:

Spectral Response Acceleration SS 0.172 %g S1 0.083 %g
Site Classification D Field Test Presumptive Historical Data

Basic structural system (check one)
 Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel Moment Frame
 Moment Frame Inverted Pendulum
 Seismic base shear VX = 1.5K VY = 1.5K
 Analysis Procedure Simplified Equivalent Lateral Force Modal
 Architectural, Mechanical, Components anchored?

Lateral design Control: Earthquake Wind

Soil Bearing Capacities:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity 2500 psf
 Pile size, type, and capacity _____

III. WOOD

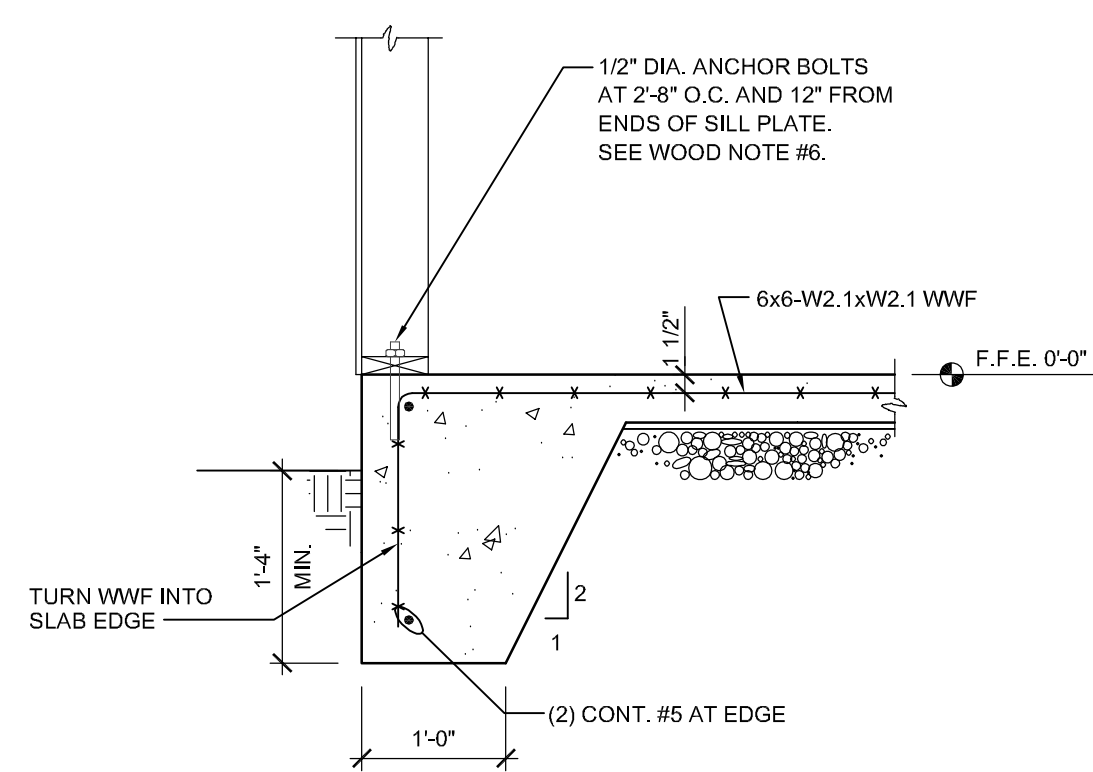
- FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE #2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 1050 PSI Fv = 95 PSI E = 1.6E6 PSI
- ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:
Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- SOLID BLOCKING SHALL BE PROVIDED AT ALL POINT LOADS TO TRANSFER LOADS THROUGH FLOOR LEVELS. COLUMNS SHALL BE CONTINUOUS TO THE FOUNDATION OR TO OTHER STRUCTURAL ELEMENTS.
- WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS SPACED A MAXIMUM OF 2'-8" o.c. AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. PROVIDE 1/2" DIAMETER HILTI HIT-RE 500 V3 INJECTION ADHESIVE ANCHORS WITH MINIMUM 4 1/2" EMBEDMENT INTO THE FOUNDATION AT ALL EXTERIOR, LOAD-BEARING, AND SHEAR WALLS AS SHOWN ON THE PLAN.
- ALL EXTERIOR WALLS SHALL BE SHEATHED WITH MINIMUM 7/16" WOOD STRUCTURAL SHEATHING (PLYWOOD -or- OSB) WITH BLOCKING AT ALL JOINTS. FASTEN ALL PANELS WITH #8 NAILS AT 3" o.c. AT ALL EDGES AND AT 6" o.c. AT INTERMEDIATE FRAMING. AT DOUBLE TOP PLATE, FASTEN PANELS WITH A DOUBLE ROW OF #8 NAILS STAGGERED AT 3" o.c. ALL FASTENERS SHALL HAVE 1 3/8" PENETRATION INTO THE FRAMING MEMBERS.
- PROVIDE MINIMUM 1/2" GYPSUM BOARD ON BOTH SIDES OF FULL-HEIGHT INTERIOR WALLS WITH INTERMEDIATE SUPPORT AT ALL JOINTS. FASTEN ALL PANELS WITH 1 1/4" SCREWS AT 7" o.c. AT TOP AND BOTTOM PLATES AND ALL STUDS. GYPSUM SHALL BE APPLIED PERPENDICULAR TO FRAMING.
- SEE TYPICAL WALL SECTION FOR ADDITIONAL INFORMATION.

IV. WOOD TRUSSES

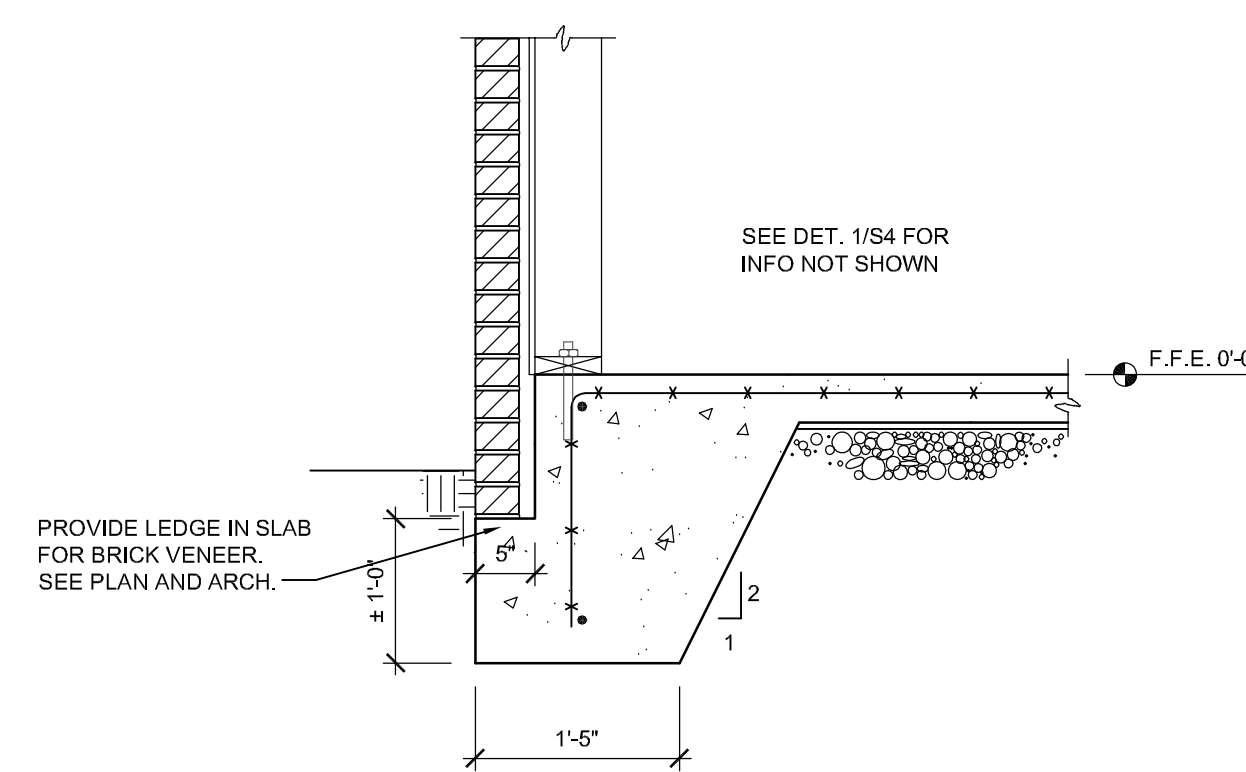
- ENGINEERED ROOF TRUSS SYSTEMS SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ROOF TRUSS DRAWINGS SHALL BE SIGNED AND SEALED BY THE MANUFACTURER AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- ALL TRUSSES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH BCSI 1-03 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- THE TOP CHORD OF ALL ROOF TRUSSES SHALL BE SHEATHED WITH MINIMUM 7/16" WOOD STRUCTURAL SHEATHING (PLYWOOD -or- OSB). PROVIDE PLYWOOD EDGE CLIPS BETWEEN PANELS.
- PROVIDE PERMANENT BOTTOM CHORD TRUSS BRACING AND WEB MEMBER PLANE BRACING IN ACCORDANCE WITH BCSI-B2 "TRUSS INSTALLATION AND TEMPORARY BRACING" AND BCSI-B3 "WEB MEMBER PERMANENT BRACING/WEB REINFORCEMENT."

ABBREVIATIONS

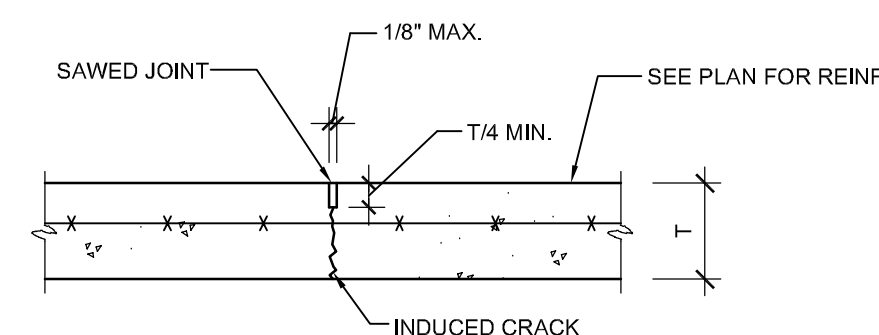
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DJ	DOUBLE JOIST
DSP	DOUBLE STUD POCKET
EA	EACH
FL PT	FLAT PLATE
FTG	FOOTING
HGR	HANGER
LVL	LAMINATED VENEER LUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PT	PRESSURE TREATED
RS	RAFTER SUPPORT
SC	STUD COLUMN
SP	STUD POCKET
TJ	TRIPLE JOIST
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
XJ	EXTRA JOIST



1 DETAIL - TYP. SLAB EDGE
S4 3/4" = 1'-0"

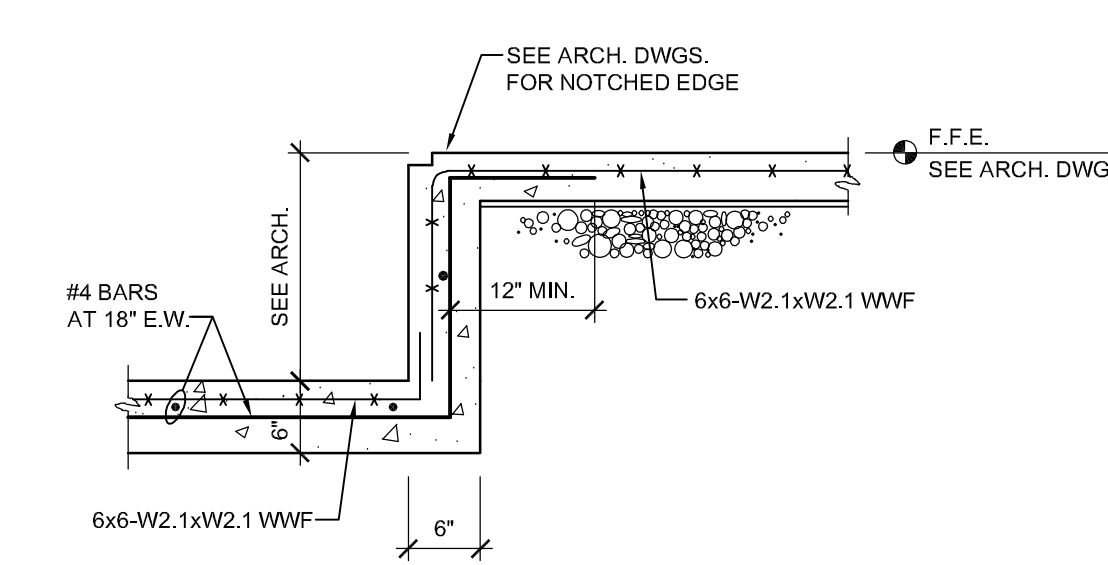


2 DETAIL - SLAB EDGE WITH BRICK LEDGE
S4 3/4" = 1'-0"

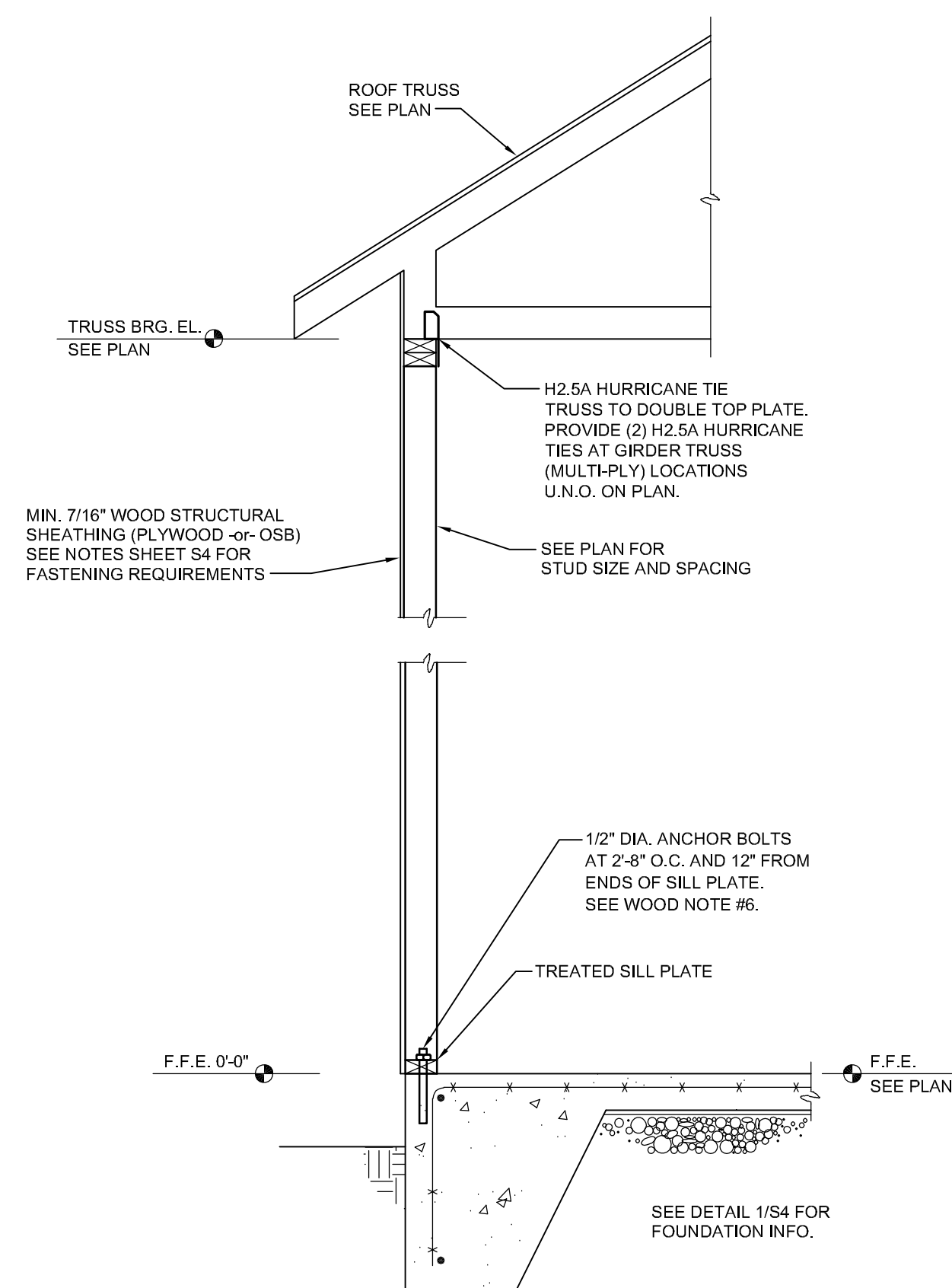


- NOTES: 1. SAW JOINTS AS SOON AS CONCRETE WILL NOT RAVEL UNDER SAW BLADE.
 2. ADD 20" LONG SMOOTH DOWELS WITH INSERTS AT ALL CONSTRUCTION JOINTS (IF USED).
 3. CONTRACTOR'S OPTION TO CUT ALTERNATING WIRES AT JOINTS FOR ADDITIONAL CRACK CONTROL.

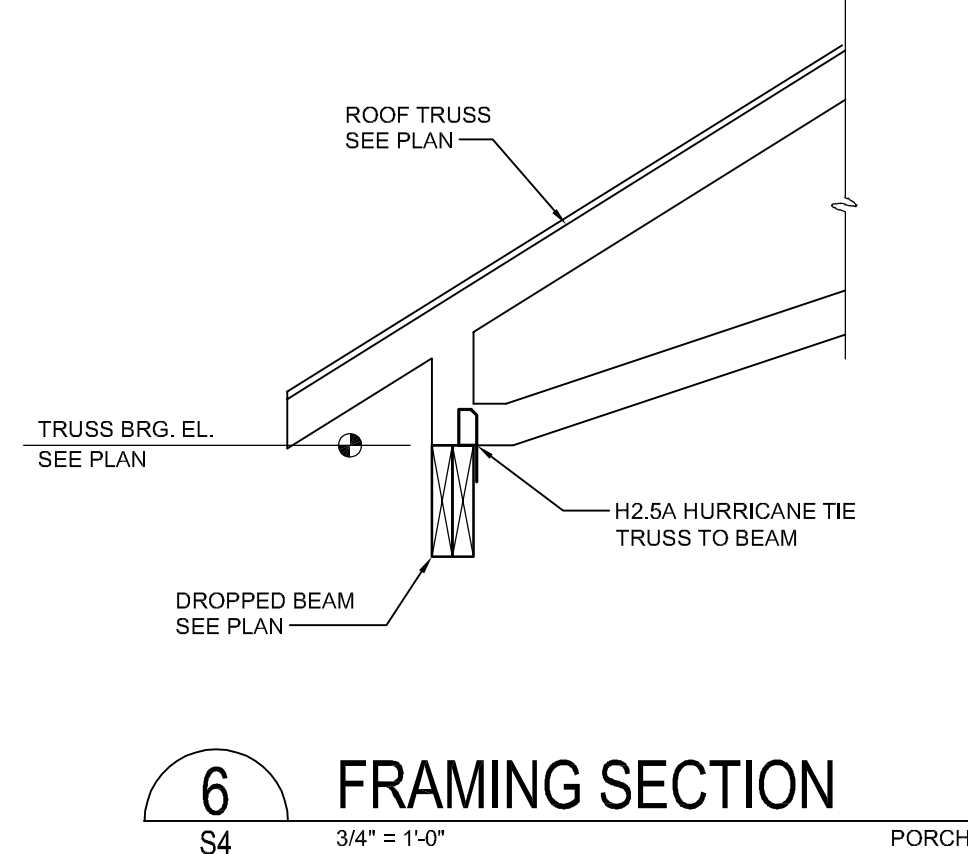
3 DETAIL - TYP. SLAB CONTROL JOINT
S4 1" = 1'-0"



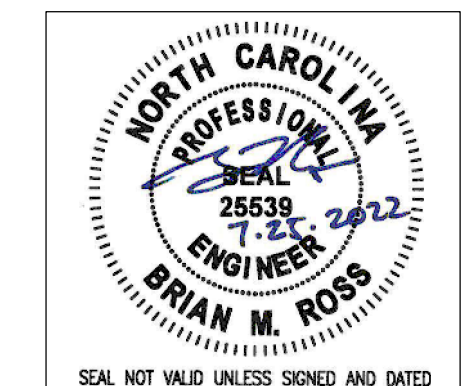
4 SECTION AT SUMP
S4 3/4" = 1'-0"



5 TYPICAL WALL SECTION
S4 3/4" = 1'-0"



6 FRAMING SECTION
S4 3/4" = 1'-0" PORCH



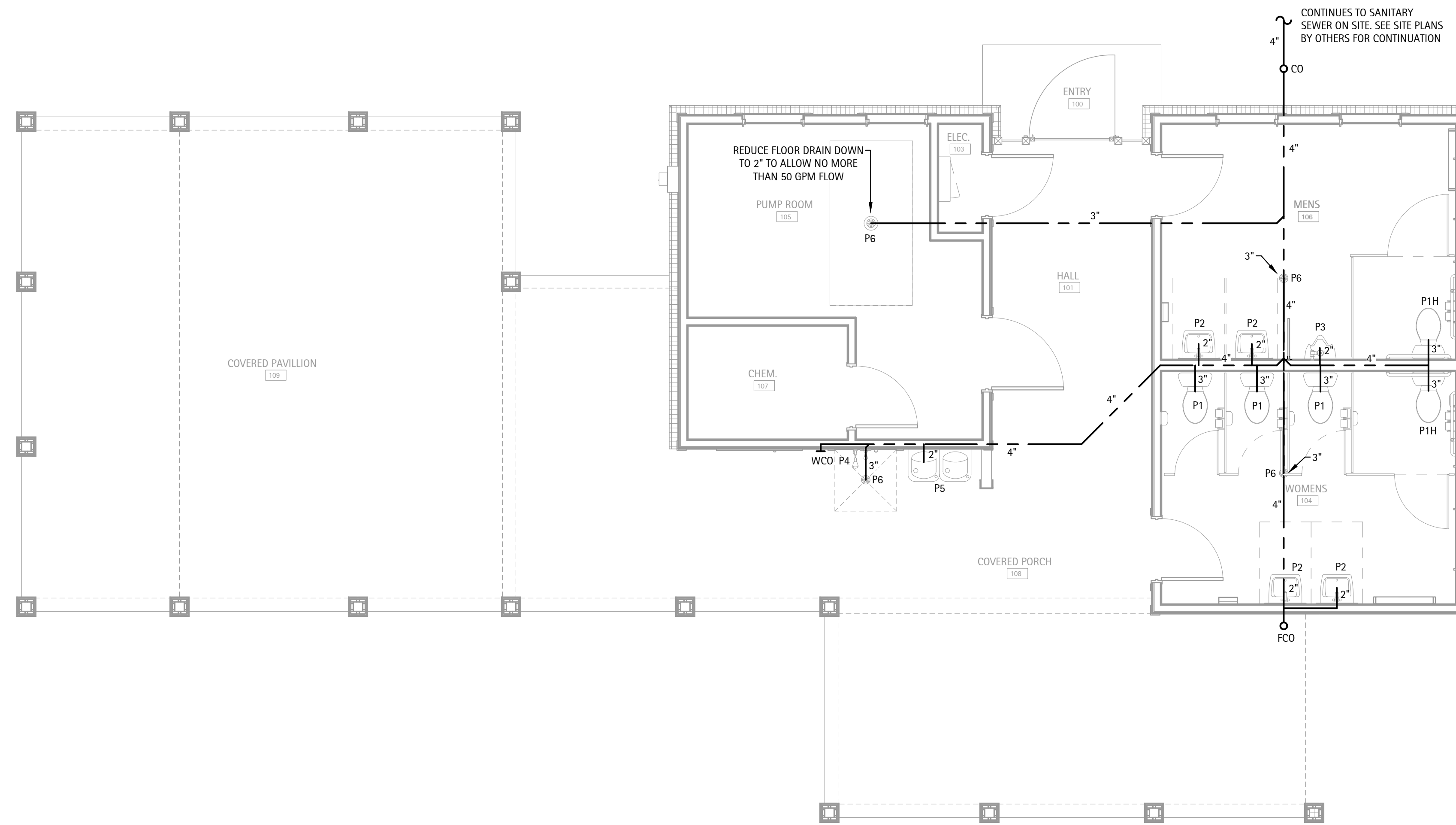
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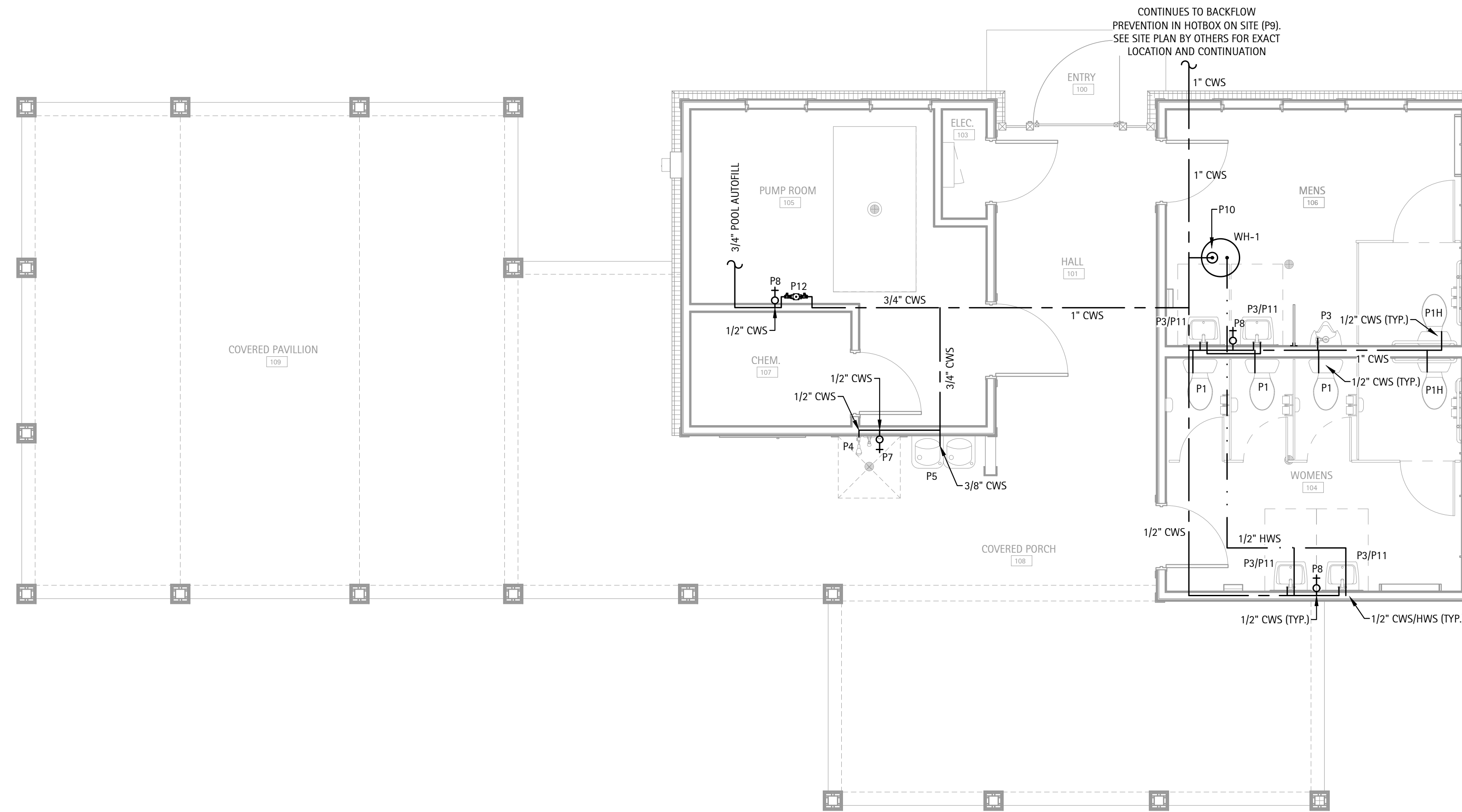
SHEET DISCRPTION
Structural Notes and Details

PROJECT #: C220704
 DATE ISSUED: 07/25/2022
 DRAWING BY: BR
 CHECKED BY: BR/JM/BJ

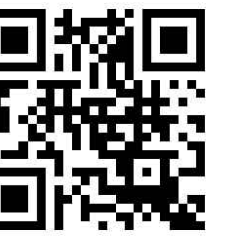
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SANITARY PLAN: SCALE - 1/4" = 1'0" | 1



WATER SUPPLY PLAN: SCALE - 1/4" = 1'0" | 2



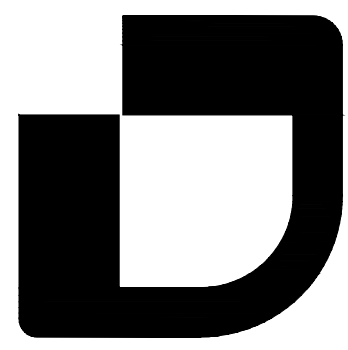
Kilian Engineering, Inc.
 PO Box 3301, Healdson, NC 27536 | www.kilianeengineering.com
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DATE	07/27/22
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SHEET DISCRPTION
Sanitary & Water Supply Plans

PROJECT #:	22492
DATE ISSUED:	07/27/2022
DRAWING BY:	DBAS
CHECKED BY:	MWK/JLH

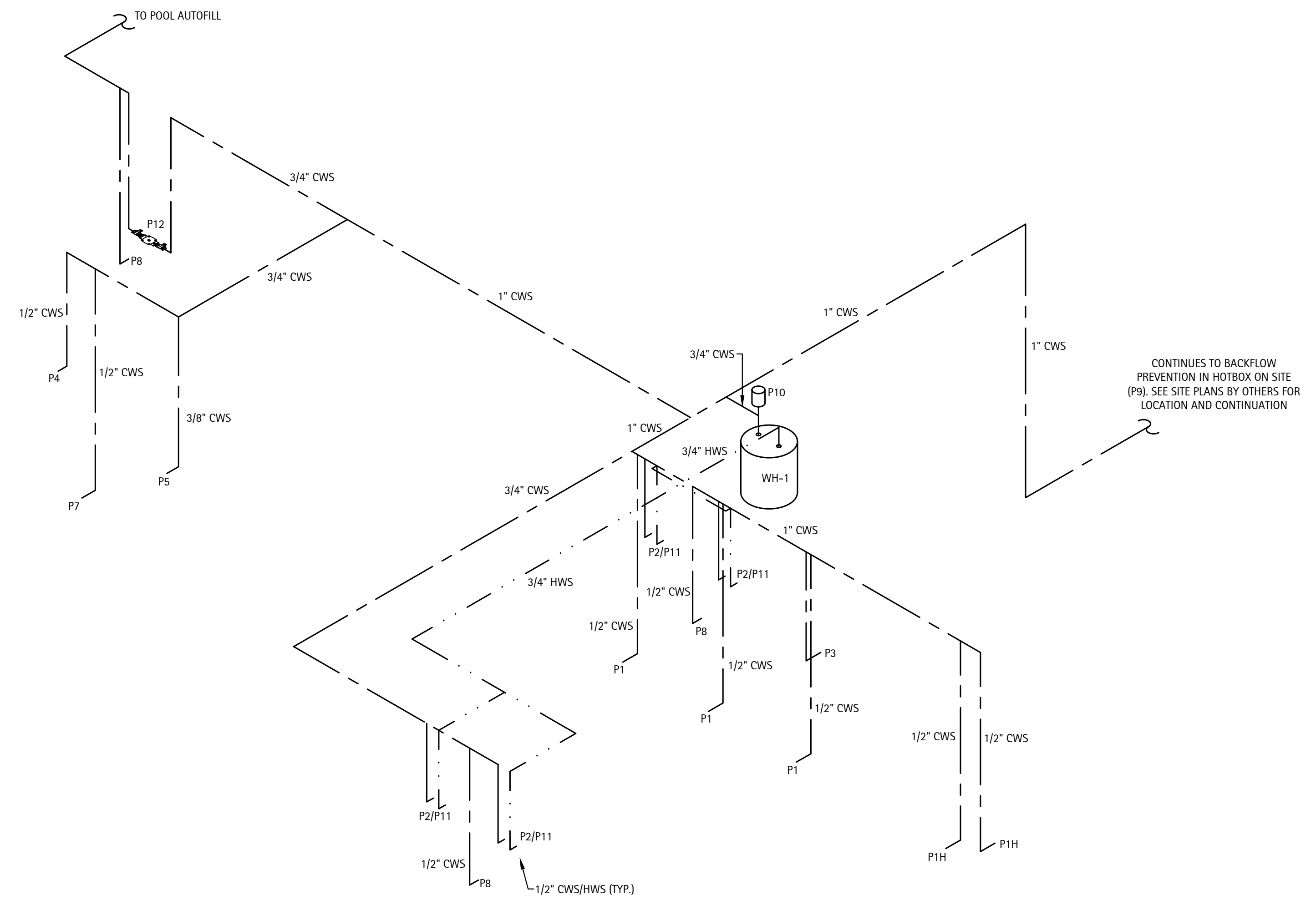
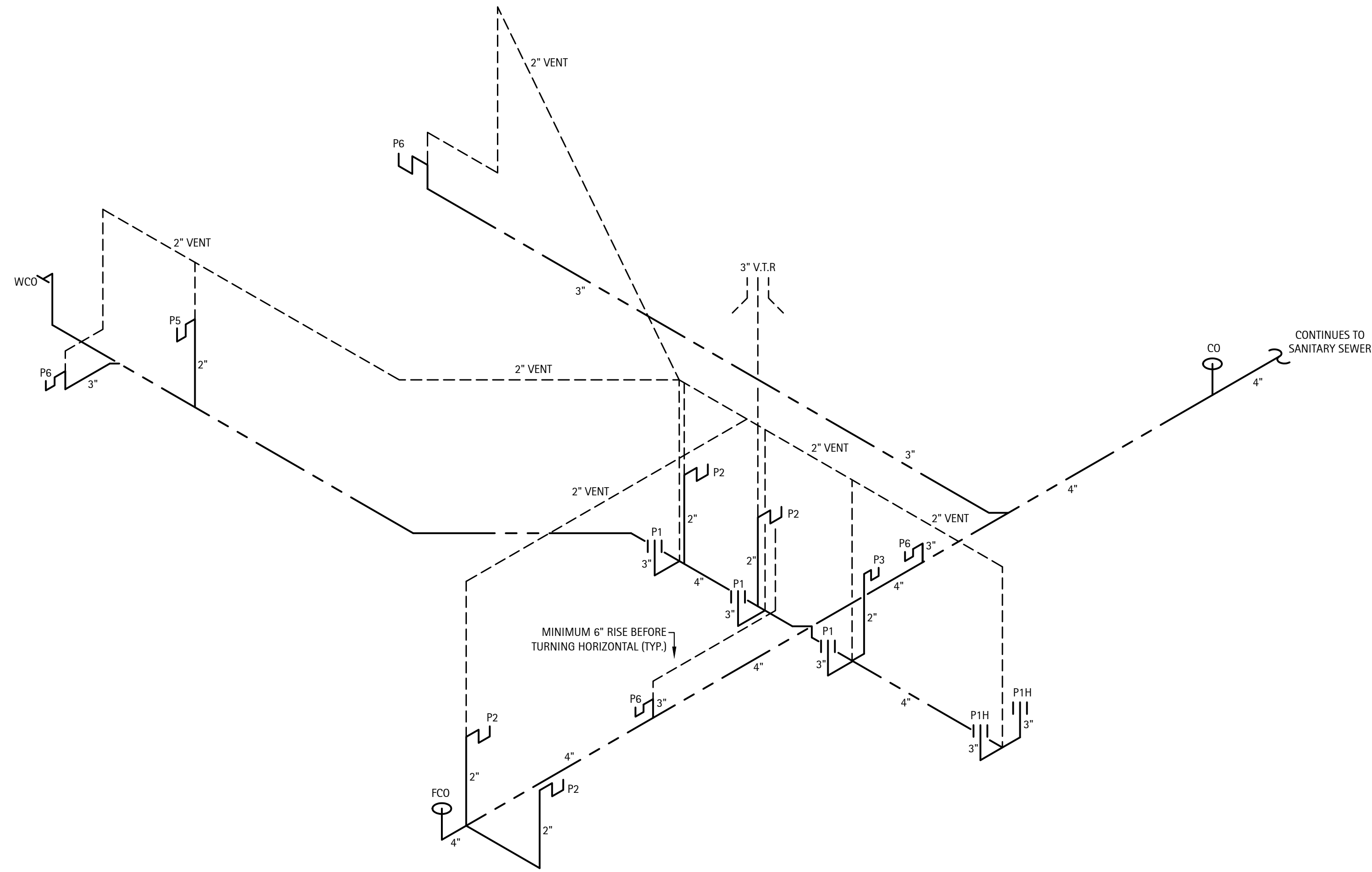
HONEYCUT OAKS
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 BATHHOUSE & POOL
 HARNETT COUNTY, NC



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Professional Engineer
Jacob L. Hamilton
PO Box 3301, Healdson, NC 27536 | www.kilianeengineering.com
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DATE	07/27/22
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NO.	1
REVISION	PERMIT SET

SHEET DISCUSSION
Plumbing Risers

PROJECT #:	22492
DATE ISSUED:	07/27/2022
DRAWING BY:	DBAS
CHECKED BY:	MWK/JLH

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BATHHOUSE & POOL
HARNETT COUNTY, NC

GENERAL MECHANICAL NOTES:

ADMINISTRATIVE:

- 1. THE FOLLOWING ABBREVIATIONS SHALL APPLY TO NOTES AND PLANS:
PC - PLUMBING CONTRACTOR, EC - ELECTRICAL CONTRACTOR,
MC - MECHANICAL CONTRACTOR, GC - GENERAL CONTRACTOR,
FASC - FIRE ALARM SYSTEM CONTRACTOR.
2. "PROVIDE" MEANS TO FURNISH AND INSTALL. MC SHALL ALSO INSTALL MATERIALS FURNISHED BY OTHERS AND/OR AS SHOWN ON THE PLANS OR NECESSARY FOR A COMPLETE INSTALLATION.
3. THE MC SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATING SYSTEM AS DESCRIBED BY THESE PLANS AND SPECIFICATIONS.
4. ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED BY THE CONTRACTOR AT AN APPROVED LOCATION. THE MC SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM THEFT, VANDALISM, AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE MC UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.
5. THE MC SHALL INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE 2018 NORTH CAROLINA MECHANICAL AND BUILDING CODES AND ANY APPLICABLE LOCAL CODES. WHERE A CONFLICT EXISTS BETWEEN THE ABOVE REQUIREMENTS, THE MC SHALL OBTAIN CLARIFICATION FROM THE ENGINEER OR IN THE EVENT ANY PART OF THESE PLANS CONFLICTS WITH THE ABOVE REQUIREMENTS.
6. THE MC SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER THIS CONTRACT.
7. DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
8. THE MC SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. THE MC SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. THE MC SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.
9. ALL MECHANICAL MATERIALS SHALL BE NEW AND FREE OF DEFECT AND LISTED AND LABELED BY UL OR AN APPROVED THIRD PARTY AGENCY. ANY MATERIALS FOUND TO BE DEFECTIVE SHALL BE REPLACED BY THE MC WITHOUT ADDITIONAL COST TO THE OWNER. WHERE A MANUFACTURER AND MODEL NUMBER IS GIVEN, THE CITED EXAMPLE IS INTENDED TO ESTABLISH A STANDARD OF QUALITY AND NOT TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. SUCH EXAMPLES ARE USED TO CONVEY A GENERAL STYLE, TYPE, CHARACTER, AND QUALITY OF THE PRODUCT DESIRED; PRODUCTS DETERMINED TO BE EQUAL BY THE ENGINEER WILL BE ACCEPTED.
10. THESE PLANS ARE DIAGRAMMATIC. THE MC SHALL ADJUST THE LOCATIONS OF EQUIPMENT, DUCTS, REGISTERS, GRILLES, ETC. TO ACCOMMODATE PLANNED AND ENCOUNTERED INTERFERENCES. THE DRAWINGS DO NOT SHOW OFFSETS, OFFSETS, AND FITTINGS THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. THE MC SHALL MAKE ALLOWANCES FOR SUCH DEVIATIONS AND CONTINGENCIES IN BID TO IMPLEMENT THEM WITHOUT ADDITIONAL COST TO THE OWNER.
11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER CONNECTIONS TO THE MECHANICAL EQUIPMENT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING.
12. IT IS THE MC'S RESPONSIBILITY TO VERIFY THAT ITEMS FURNISHED FOR THIS CONTRACT WILL FIT IN THE SPACE AVAILABLE. THE MC SHALL MAKE FIELD MEASUREMENTS AS NECESSARY TO DETERMINE SPACE REQUIREMENTS. IF THE MC MUST ALTER EQUIPMENT DUE TO SPACE CONSIDERATIONS, THE MC SHALL PROVIDE SIZES AND SHAPES THAT FIT THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS.
13. MC SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR REGARDING THE ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT BEING PROVIDED.
14. MAINTAIN CLEARANCES FOR ALL EQUIPMENT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS FOR SERVICEABILITY. ALL ROOFTOP EQUIPMENT MUST BE A MINIMUM OF 10 FEET FROM ROOF EDGE.
15. MC SHALL FURNISH A BOUND SET OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT TO THE OWNER UPON COMPLETION OF THE PROJECT. MC SHALL PROVIDE ALL DOCUMENTATION TO THE OWNER AS NECESSARY TO SUBMIT FOR FACTORY WARRANTIES.
16. CONTRACTOR SHALL PROTECT ALL HVAC EQUIPMENT FROM CONSTRUCTION AND SHEET ROCK DUST DURING CONSTRUCTION. ALL FILTERS SHALL BE REPLACED WITH NEW AT THE COMPLETION OF THE PROJECT.
17. ALL EQUIPMENT INSTALLED ON ROOF MUST BE WITHIN THE ROOF SCREEN. IF A ROOF PENETRATION IS REQUIRED AND THE ROOF IS UNDER WARRANTY, USE THE AUTHORIZED ROOFER. PROVIDE DOCUMENTATION.
18. ALL PIPING, WIRING, CONDUIT, INSULATION, EQUIPMENT, SUPPORTS, ETC. SHALL BE SUITABLE FOR INSTALLATION IN A RETURN PLENUM AS NECESSARY. COORDINATE WITH OTHER TRADES ON LOCATIONS OF ALL PLENUMS.
19. MC SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE ALL APPLICABLE CONSTRUCTION WASTE IS RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT.

MATERIALS:

- 1. THE MC SHALL PROVIDE ALL DX UNITARY HEATING AND COOLING EQUIPMENT AS SCHEDULED ON THE DRAWINGS. THE MC SHALL PROVIDE FACTORY AND FIELD INSTALLED ACCESSORIES AS SCHEDULED OR AS NECESSARY FOR A COMPLETE AND OPERATIONAL HVAC SYSTEM.
2. THE MC SHALL PROVIDE ALL EXHAUST AND SUPPLY FANS AS SCHEDULED. FANS SHALL BE BY GREENHECK, LOREN COOK, TWIN CITY, OR PENNBARRY. DUCTWORK IS SHOWN WITH FREE AREA DIMENSIONS. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT STANDARD, 2 INCH S.P.
3. EXTERNAL DUCT INSULATION AND FACTORY-INSULATED FLEXIBLE DUCT SHALL BE LEGIBLY PRINTED OR IDENTIFIED AT INTERVALS NOT GREATER THAN 36 INCHES WITH THE NAME OF THE MANUFACTURER, THE THERMAL RESISTANCE R-VALUE AT THE SPECIFIED INSTALLED THICKNESS AND THE FLAME SPREAD AND SMOKE-DEVELOPED INDEXES OF THE COMPOSITE MATERIALS. ALL DUCT INSULATION PRODUCT R-VALUES SHALL BE BASED ON INSULATION ONLY, EXCLUDING AIR FILMS, VAPOR RETARDERS OR OTHER DUCT COMPONENTS, AND SHALL BE BASED ON TESTED C-VALUES AT 75°F MEAN TEMPERATURE AT THE INSTALLED THICKNESS, IN ACCORDANCE WITH RECOGNIZED INDUSTRY PROCEDURES. THE INSTALLED THICKNESS OF DUCT INSULATION USED TO DETERMINE ITS R-VALUES SHALL BE DETERMINED AS FOLLOWS:
4.1. FOR DUCT BOARD, DUCT LINER AND FACTORY-MADE RIGID DUCTS NOT NORMALLY SUBJECTED TO COMPRESSION, THE NOMINAL INSULATION THICKNESS SHALL BE USED.
4.2. FOR DUCT WRAP, THE INSTALLED THICKNESS SHALL BE ASSUMED TO BE 75 PERCENT (25-PERCENT COMPRESSION) OF NOMINAL THICKNESS.
4.3. FOR FACTORY-MADE FLEXIBLE AIR DUCTS, THE INSTALLED THICKNESS SHALL BE DETERMINED BY DIVIDING THE DIFFERENCE BETWEEN THE ACTUAL OUTSIDE DIAMETER AND NOMINAL INSIDE DIAMETER BY TWO.
5. ALL INSULATION CONTAINING FIBROUS MATERIALS EXPOSED TO AIRFLOW SHALL BE RATED FOR THAT EXPOSURE OR SHALL BE ENCAPSULATED. INSULATING PROPERTIES FOR ALL MATERIALS SHALL MEET OR EXCEED INDUSTRY STANDARDS. POLYSTYRENE PRODUCTS SHALL MEET ASTM C578. ALL INSULATION SHALL HAVE FORMALDEHYDE EMISSIONS NOT GREATER THAN 0.05 PPM. THE MAXIMUM FLAME SPREAD AND SMOKE DEVELOPED INDEX FOR INSULATION SHALL MEET THE REQUIREMENTS OF THE LOCAL CODES AND ORDINANCES ADOPTED BY THE JURISDICTION IN WHICH THE BUILDING IS LOCATED.
6. MASTIC USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A-95 OR UL 181B-98. MAINTAIN AMBIENT TEMPERATURES AND CONDITIONS REQUIRED BY MANUFACTURER OF ADHESIVES, MASTICS, AND INSULATION CEMENTS. DO NOT INSTALL DUCT SEALANT WHEN TEMPERATURES ARE LESS THAN THOSE RECOMMENDED BY THE SEALANT MANUFACTURER.
7. ALL ADHESIVES AND SEALANTS SHALL HAVE VOC CONTENT BELOW 20 GRAMS PER LITER AND WHICH MEET THE REQUIREMENTS OF THE MANUFACTURER OF THE PRODUCTS BEING ADHERED OR INVOLVED. ADHESIVES AND SEALANTS SHALL CONTAIN NO HEAVY METALS OR FORMALDEHYDE.
8. FACTORY-MADE AIR DUCTS AND CONNECTORS SHALL COMPLY WITH UL 181-96.
9. FLEXIBLE DUCT SHALL BE UL LISTED CLASS 0 OR CLASS 1, INSULATED, AND COMPLY WITH UL 181. FLEXIBLE DUCT SHALL BE FACTORY FORMED, COMPOSED OF SPIRAL WOUND CORROSION RESISTANT WIRE BONDED TO AN INNER FABRIC LINER. DUCT SHALL BE FACTORY INSULATED WITH A FOIL VAPOR BARRIER JACKET. CONNECT TO RIGID DUCT WITH SPIN-IN FITTING AND DAMPER. FLEXIBLE DUCTS AND AIR CONNECTORS SHALL NOT PASS THROUGH ANY FIRE RESISTANCE RATED ASSEMBLY.

- 10. THE MC SHALL PROVIDE ALL DIFFUSERS GRILLES, LOUVERS, AND OTHER AIR DISTRIBUTION OUTLETS AND INLETS. LOUVERS, GRILLES, AND DIFFUSERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. FOR LAY-IN CEILINGS, INSTALL SUPPORT FROM THE STRUCTURE FOR EACH DIFFUSER OR DAMPER. AIR DISTRIBUTION OUTLETS AND INLETS SHALL BE BY HART & COOLEY, PRICE, METAL-AIRE, NAILOR, OR CARNES.
11. AIR FILTERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 605 OF THE 2018 MC MECHANICAL CODE.
12. THE MC SHALL PROVIDE ALL REFRIGERATION PIPING. ALL PIPE AND FITTINGS SHALL BE TYPE ACR HARD COPPER TUBING WITH SWEAT FITTINGS. REFRIGERATION LINES SHALL BE RUN NEATLY. WHERE A GROUP OF LINES ARE RUN, TRAPEZE HANGERS MAY BE USED. DO NOT USE CHAIN OR WIRE HANGERS. WRAP TUBING WITH RUBBER TAPE AT EACH CLAMP OR HANGER. APPROXIMATELY 6 INCHES ON CENTER WITH OUTWARD CLINCHING STAPLES. SEAL SEAMS WITH PRESSURE SENSITIVE TAPE MATCHING THE FACING. FOR RECTANGULAR DUCTS 24 INCHES IN WIDTH OR GREATER, SECURE DUCT WRAP TO THE BOTTOM OF THE DUCT WITH MECHANICAL FASTENERS SPACED 18 INCHES ON CENTER TO PREVENT SAGGING OF INSULATION. ADJACENT SECTIONS OF DUCT WRAP SHALL BE TIGHTLY BUTTED WITH THE 2 INCH TAPE FLAP OVERLAPPING. ALL TEARS, PUNCTURES, ETC. OF THE DUCT WRAP INSULATION SHALL BE SEALED WITH TAPE OR MASTIC TO PROVIDE A VAPOR TIGHT SYSTEM. INSULATION SHALL BE BY KNAUF INSULATION, OWENS CORNING CORP, OR CERTAINTED CORPORATION.
2. VERIFY THAT DUCTS HAVE BEEN TESTED BEFORE APPLYING INSULATION MATERIALS. VERIFY THAT DUCT SURFACES ARE CLEAN, DRY AND FREE OF FOREIGN MATERIAL PRIOR TO INSULATING. DUCT COVERS SHALL NOT PENETRATE A WALL OR FLOOR REQUIRED TO HAVE A FIRE-RESISTANCE RATING OR REQUIRED TO BE FIRE BLOCKED.
3. WHERE DUCTS ARE CONNECTED TO EXTERIOR WALL LOUVERS AND DUCT OUTLET IS SMALLER THAN LOUVER FRAME, PROVIDE BLANK-OUT PANELS SEALING LOUVER AREA AROUND DUCT. USE SAME MATERIAL AS DUCT. PAINTED BLACK ON EXTERIOR SIDE. SEAL TO LOUVER FRAME AND DUCT.
4. PROVIDE DUCT ACCESS DOORS FOR INSPECTION AND CLEANING BEFORE AND AFTER FILTERS, COILS, FANS, AUTOMATIC DAMPERS, AT FIRE DAMPERS, COMBINATION FIRE AND SMOKE DAMPERS.
5. CONSTRUCT T's, BENDS, AND ELBOWS WITH RADII OF NOT LESS THAN 1-1/2 TIMES THE WIDTH OF THE DUCT ON CENTERLINE. WHERE NOT POSSIBLE AND WHERE RECTANGULAR ELBOWS MUST BE USED, PROVIDE TURNING VANES.
6. INCREASE DUCT SIZES GRADUALLY, NOT EXCEEDING 15 DEGREES DIVERGENCE; MAXIMUM OF 30 DEGREES DIVERGENCE UPSTREAM OF EQUIPMENT AND 45 DEGREES CONVERGENCE DOWNSTREAM.
7. IT SHALL BE THE RESPONSIBILITY OF THE MC TO SUSPEND AND SUPPORT ALL EQUIPMENT, DUCTWORK, DIFFUSERS, AND OTHER MATERIALS FOLLOWING RECOGNIZED ENGINEERING PRACTICES AND USING STANDARD, COMMERCIALY ACCEPTED HANGERS AND SUSPENSION EQUIPMENT. ALL HVAC EQUIPMENT SHALL BE SECURELY MOUNTED TO THE BUILDING STRUCTURE AND SHALL NOT RELY ON CEILING OR WALL SURFACES FOR SUPPORT. THE SUPPORT ATTACHMENT SHALL SUPPORT THE WEIGHT OF THE EQUIPMENT PLUS THE WEIGHT OF THE SUPPORT ATTACHMENT ITSELF. SUPPORT FROM THE TOP CHORD OF THE ROOF JOISTS, GIRDERS, AND BEAMS. THE BOTTOM CHORD IS NOT TO BE USED FOR EQUIPMENT OR PIPING SUPPORT. HANGERS SHALL NOT BE ATTACHED TO CORRUGATED STEEL DECKING.
8. DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH SMACNA AT INTERVALS NOT EXCEEDING 10 FEET. DUCTS 36 INCHES OR LARGER SHALL HAVE TRAPEZE TYPE HANGERS SUSPENDED WITH THREADED ROD. SUPPORT DUCTS FROM BAR JOISTS, GIRDERS, OR BEAMS.
9. CHECK LOCATIONS OF AIR OUTLETS AND INLETS AND MAKE NECESSARY ADJUSTMENTS IN POSITION TO CONFORM WITH ARCHITECTURAL FEATURES, SYMMETRY, AND LIGHTING ARRANGEMENT. COORDINATE WITH SPRINKLER CONTRACTOR IF APPLICABLE.
10. PROVIDE BALANCING DAMPERS AT POINTS ON SUPPLY WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS AS REQUIRED FOR AIR BALANCING. INSTALL MINIMUM 2 DUCT WIDTHS FROM DUCT TAKE-OFF. PROVIDE BALANCING DAMPERS ON DUCT TAKE-OFFS TO DIFFUSERS, AND REGISTERS, REGARDLESS OF WHETHER DAMPERS ARE SPECIFIED AS PART OF THE DIFFUSER OR REGISTER ASSEMBLY. ADJUST AIR HANDLING AND DISTRIBUTION SYSTEMS TO PROVIDE DESIGN SUPPLY, RETURN, AND EXHAUST AIR QUANTITIES AT SITE ALTITUDE.
11. MC SHALL INSTALL FIRE DAMPERS AT EACH PENETRATION OF A RATED WALL AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. FIRE DAMPERS SHALL BE UL LABELED (UL 555), CURTAIN TYPE, WITH INTEGRAL FACTORY SLEEVE AND BLADES LOCATED OUTSIDE THE AIR STREAM. INSTALLATION OF ALL FIRE DAMPERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SECTION 607 OF THE 2018 MC MECHANICAL CODE. PROVIDE ACCESS PANELS FOR TESTING AND SERVICE AS NECESSARY. MC SHALL PROVIDE RADIATION DAMPERS AND THERMAL BLANKETS FOR ALL PENETRATIONS OF RATED CEILING ASSEMBLIES. RADIATION DAMPERS SHALL BE UL LABELED (UL 555C) AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS. FIRE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, AND CEILING RADIATION DAMPERS SHALL BE BY RUSKIN, NAILOR, OR LLOYD INDUSTRIES.
12. MC SHALL INSTALL PROGRAMMABLE THERMOSTATS AS SHOWN ON THE PLANS. THERMOSTAT SHALL BE MOUNTED AT 48 INCHES AFF. THERMOSTATS SHALL MEET THE REQUIREMENTS OF SECTION C403.2.4 OF THE 2018 NORTH CAROLINA ENERGY CONSERVATION CODE.
13. FRESH AIR INTAKES SHALL BE INSTALLED ON ALL UNITS AS SHOWN ON DRAWINGS. MAINTAIN 10 FEET OF DISTANCE BETWEEN FRESH AIR INTAKES AND ALL EXHAUST TERMINATIONS AND PLUMBING VENT THRU ROOFS.
14. MC SHALL INSTALL ALL EXHAUST FANS AND VENT TO THE BUILDING'S EXTERIOR. EC SHALL SWITCH FANS WITH LIGHTS OR ON SEPARATE SWITCH AS SHOWN.
15. P-TRAPS MUST BE INSTALLED ON ALL UNITS. MC SHALL INSTALL AUXILIARY DRAIN PANS UNDER OVERHEAD AIR HANDLERS AND AUTOMATIC CUT-OFF FLOAT SWITCH FOR EACH. P-TRAPS AND CONDENSATE LINES SHALL BE 1 INCH. P-TRAPS AND CONDENSATE LINES MAY BE PVC WHERE NOT LOCATED IN PLENUMS; OTHERWISE, THEY SHALL BE TYPE M COPPER.
16. INSTALL BACKDRAFT DAMPERS ON FRESH AIR AND EXHAUST DUCTS WHERE THEY PENETRATE THE THERMAL ENVELOPE PER NORTH CAROLINA ENERGY CONSERVATION CODE C402.5.5

VENTILATION CALCS
CHEMICAL STORAGE:
43 SQFT X 10' HIGH CEILING = 430 CU. FT @ 10 ACH = 72 CFM
*50 CFM PROVIDED
PUMP ROOM:
156 SQFT X 10' HIGH CEILING = 1560 CU. FT @ 10 ACH = 260 CFM
*175 CFM PROVIDED

HEX PLAN NOTES
1. EXHAUST DUCT TO TURTLE BACK ROOF VENT ON BACK SIDE OF ROOF PITCH. PROVIDE WITH INSECT SCREEN. COORDINATE EXACT LOCATION WITH G.C.
2. LOUVERED EXHAUST GRILLE INSTALLED IN GYPSUM CEILING. TURN LOUVERED BLADES TOWARDS WALL.
3. SUSPENDED INLINE EXHAUST FAN TO BE INSTALLED IN ATTIC. ENSURE ALL MANUFACTURER CLEARANCES ARE MAINTAINED. COORDINATE WITH G.C. TO PROVIDE ACCESS FOR MAINTENANCE.
4. DOOR WITH WEATHER PROOF LOUVER BY G.C. LOUVER TO BE 18"X18".
5. GRILLES AND DUCTWORK TO ALLOW FOR OUTSIDE AIR TO REDUCE NEGATIVE PRESSURE WHEN BATHROOM EXHAUST FANS ARE IN OPERATION.
6. COMBINE BATHROOM EXHAUST TO ONE 12" EXHAUST DUCT. PROVIDE BACKDRAFT DAMPER AT EACH FAN PRIOR TO COMBINING.
7. EXHAUST FAN TO BE WIRED FOR CONTINUOUS OPERATION.

EXHAUST FAN SCHEDULE
MARK MFG / MODEL # TYPE ESP (in WG) CFM VOLT/PH FLA SONES NOTES
EF-1 GREENHECK SP-A200 CEILING 0.40 179 120/1 0.43 3.0 1-3
EF-2 GREENHECK SP-A510 CEILING 0.40 364 120/1 3.30 4.0 1-3
EF-3 GREENHECK SQ-90 INLINE 0.47 362 120/1 1.20 7.4 1-6

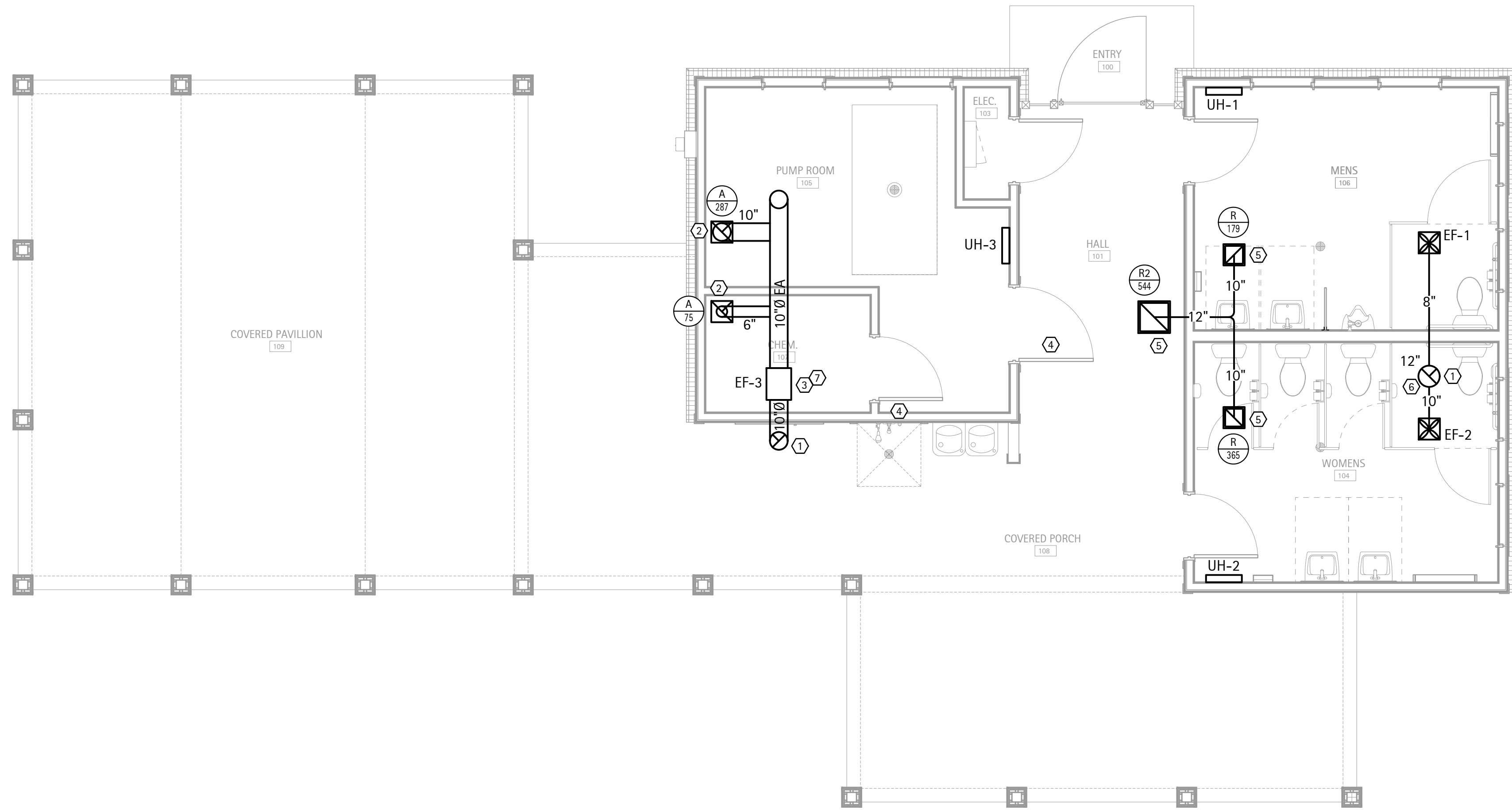
- 1. PROVIDE WITH PITCHED ROOF CURB & CAP FOR FLAT OR SLOPED ROOF,OR HOODED WALL WITH BACKDRAFT DAMPER CAP AS APPLICABLE.
2. PROVIDE WITH SQUARE TO ROUND DUCT ADAPTER AS NECESSARY
3. OR EQUAL BY LOREN COOK OR PENNBARRY OR TWIN CITY
4. WIRED FOR CONTINUOUS OPERATION
5. INTEGRAL DISCONNECT
6. CORROSION RESISTANT

REGISTER & GRILLE SCHEDULE
MARK MFG MODEL # SIZE MOUNTING DESCRIPTION NOTES
A NAILOR 5145H 12X12 CEILING ALUMINUM LOUVERED RETURN GRILLE 1
R HART & COOLEY RH45 12X12 SURFACE ALUMINUM SURFACE MOUNT RETURN GRILLE 1
R2 HART & COOLEY RH45 18X18 SURFACE ALUMINUM SURFACE MOUNT RETURN GRILLE 1

- 1. OR EQUAL BY PRICE, METAL-AIRE, CARNES, TITUS, HART AND COOLEY, OR NAILOR.

ELECTRIC UNIT HEATER SCHEDULE
MARK MFG / MODEL # HEATER VOLT/PH HEAT MOCAP NOTES
UH-1-3 MARKEL H33172RPW 4.8 240/1 4.8 30.0 1-4

- 1. BUILT-IN THERMOSTAT.
2. BUILT-IN DISCONNECT SWITCH.
3. PROVIDE WITH SURFACE MOUNTING SLEEVE KIT (BATHROOMS ONLY)
4. BUILT IN SUMMER FAN SWITCH (BATHROOMS ONLY)



MECHANICAL SYSTEM, SERVICE SYSTEMS, AND EQUIPMENT

METHOD OF COMPLIANCE: THERMAL ZONE PRESCRIPTIVE ZONE 4A

EXTERIOR DESIGN CONDITIONS
HEATING DESIGN DRY BULB: 20.4°F
COOLING DESIGN DRY BULB: 95.0°F
COOLING DESIGN WET BULB: 75.5°F

INTERIOR DESIGN CONDITIONS
HEATING DESIGN DRY BULB: 50°F
COOLING DESIGN DRY BULB: 75°F
COOLING RELATIVE HUMIDITY: 50%

MENS BATHROOM
HEATING LOAD: 9,364 BTU/H

WOMENS BATHROOM
HEATING LOAD: 11,237 BTU/H

PUMP ROOM
HEATING LOAD: 13,053 BTU/H

MECHANICAL SPACING CONDITIONING SYSTEM:
UNITARY (DESCRIPTION OF UNITS) AIR COOLED DX UNIT HEATERS
BOILER N/A
TOTAL BOILER OUTPUT N/A
CHILLER N/A
TOTAL CHILLER CAPACITY N/A

EQUIPMENT EFFICIENCIES: SEE SCHEDULES

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS): SEE SCHEDULES

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE, THE MECHANICAL DESIGN FOR THIS BUILDING COMPLIES WITH MECHANICAL AND EQUIPMENT REQUIREMENTS OF THE 2018 NORTH CAROLINA STATE BUILDING CODE AND 2018 NORTH CAROLINA ENERGY CONSERVATION CODE.



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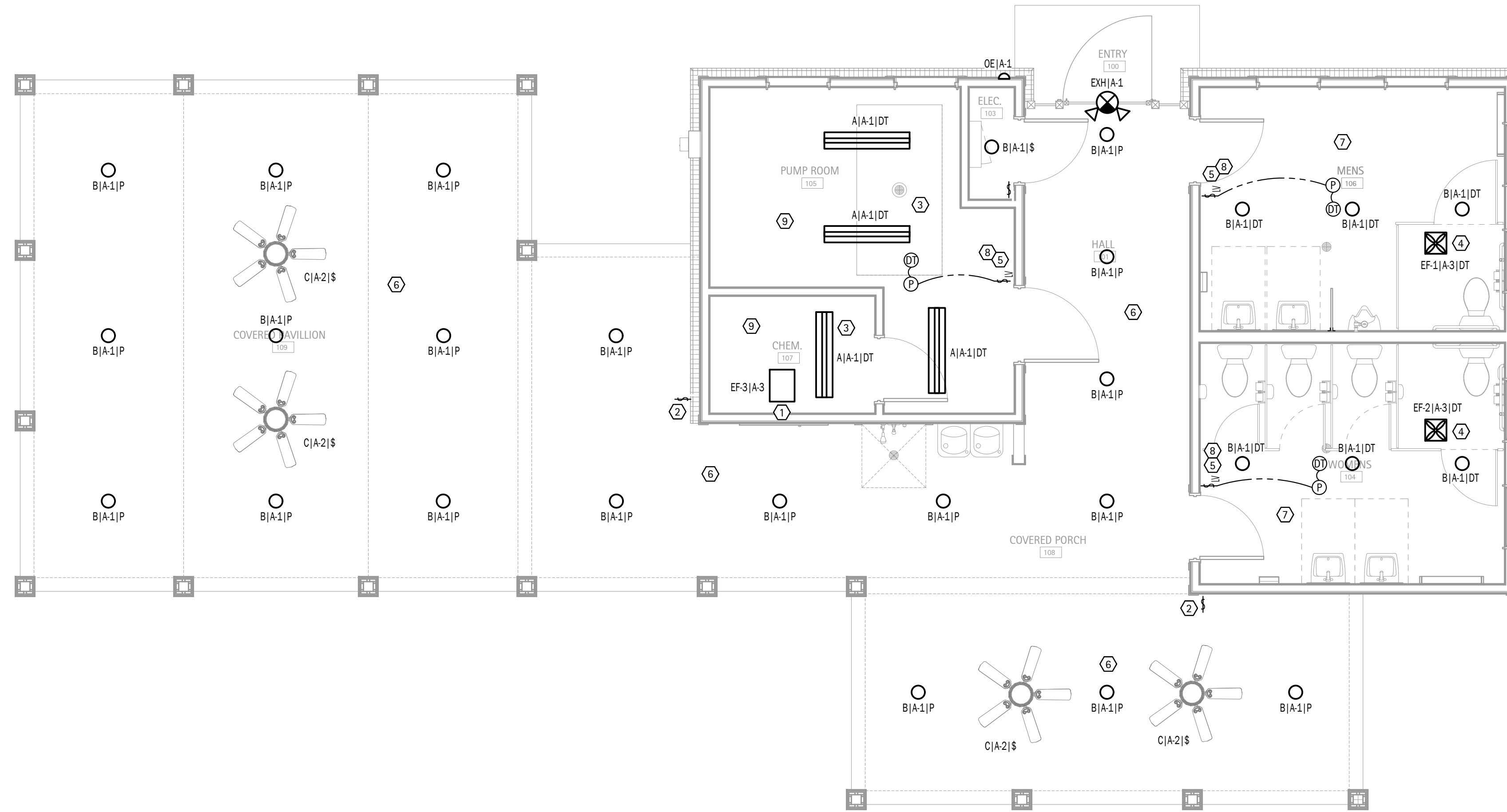
SHEET DIScription
Mechanical Schedules & Plan

PROJECT #: 22492
DATE ISSUED: 07/27/2022
DRAWING BY: DBAS
CHECKED BY: MWK/JLH

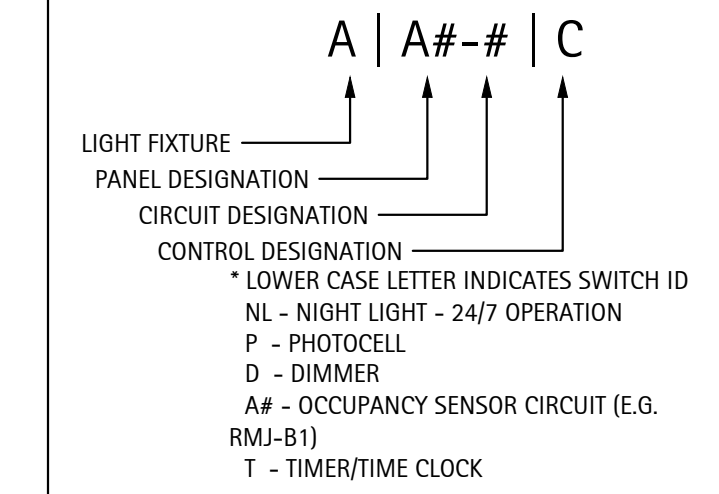
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LIGHTING PLAN HEX NOTES

- EXHAUST FAN SUSPENDED IN ATTIC TO BE WIRED FOR CONTINUOUS OPERATION. COORDINATE WITH M.C.
- PROVIDE 60 MINUTE SWITCH FOR FAN. PROVIDE IN WEATHERPROOF ENCLOSURE.
- PUMP ROOM AND CHEM. ROOM LIGHTS TO BE TIED TO SAME MOTION SENSOR.
- EC TO TIE EXHAUST FAN AND LIGHTING FIXTURES TO SAME CONTROL SWITCH.
- MOTION SENSOR TO BE SET ON 20 MINUTE TIMER.
- PORCH/PAVILION/HALL LIGHTING FIXTURE CONTROLLED VIA PHOTOCELL LOCATED ON NORTH FACE OF BUILDING.
- EGRESS LIGHTING EXEMPT FROM RESTROOMS PER NC BUILDING CODE 1008.3.3.
- PROVIDE LOW VOLTAGE OVERRIDE SWITCH AS SHOWN.
- AREA IS CORROSIVE ENVIRONMENT PER NEC 680.14. FOLLOW WIRING METHODS IN NEC 680.14(B).



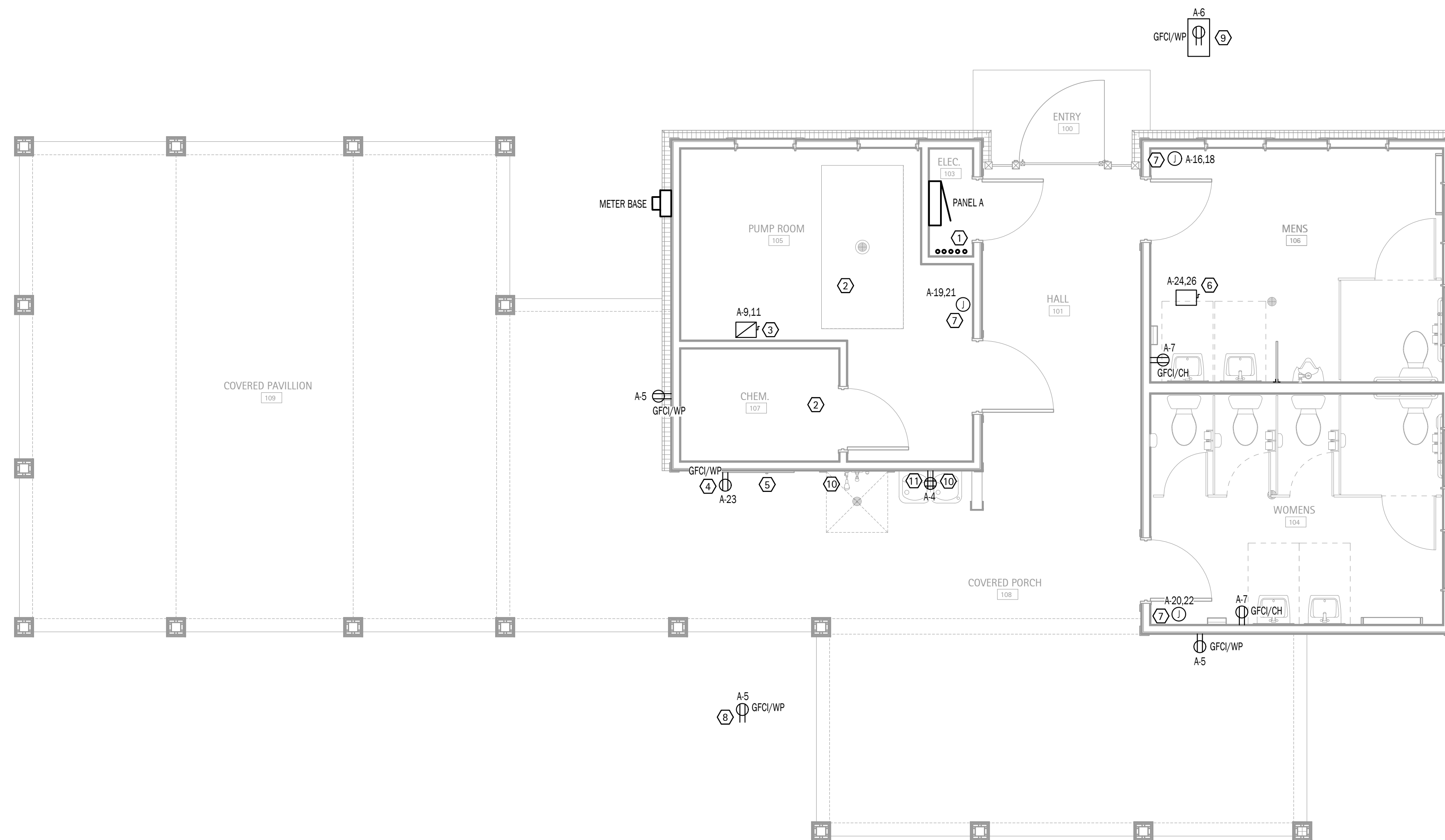
LIGHTING CIRCUIT DESIGNATIONS



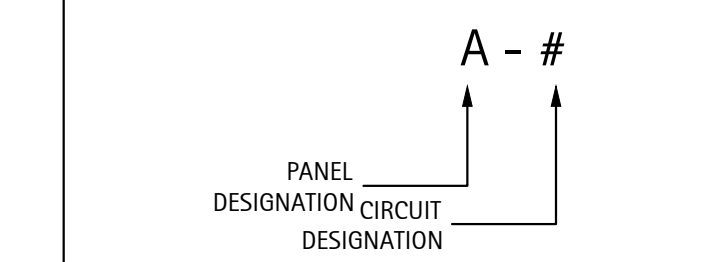
LIGHTING PLAN: SCALE - 1/4" = 1'0" 1

POWER PLAN HEX NOTES

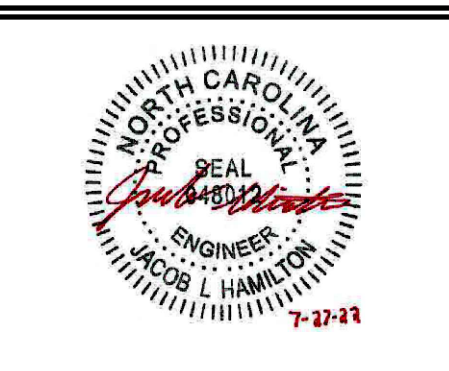
- PROVIDE (2) 1" CONDUITS WITH CIRCUITS AS SHOWN TO POOL FOR POOL LIGHTS AND OTHER POOLSIDE EQUIPMENT. PROVIDE (3) 1" CONDUITS FROM SPARE POOL CIRCUITS AS SHOWN AND CAP RIGHT OUTSIDE ELECTRICAL ROOM. COORDINATE EXACT LOCATIONS WITH G.C. AND POOL CONTRACTOR. CIRCUIT TO BE CONTROLLED VIA TIME CLOCK AT PANEL. POOL LIGHTS TO BE WIRED VIA INTERMATIC JUNCTION BOX TRANSFORMER (MODEL PJBX52100). REFER TO PANEL SCHEDULE FOR CIRCUIT DESIGNATIONS.
- AREA IS CORROSIVE ENVIRONMENT PER NEC 680.14. FOLLOW WIRING METHODS IN NEC 680.14(B).
- PROVIDE POWER TO NON-FUSED DISCONNECT FOR POOL AND FEATURE PUMPS. PUMPS MUST HAVE GFCI PROTECTION. PROVIDE GFCI BREAKER IN PANEL. DISCONNECT MUST HAVE NEMA 4X RATED ENCLOSURE. COORDINATE EXACT LOCATION AND SPEC WITH G.C. AND POOL CONTRACTOR BEFORE BEGINNING WORK. FINAL CONNECTIONS BY E.C.
- PROVIDE POWER TO EMERGENCY PHONE RECEPTACLE. FIELD VERIFY LOCATION WITH LOCAL AHJ.
- PROVIDE EMERGENCY "PUSH IN" POWER OFF SWITCH FOR POOL PUMPS. VERIFY LOCATION WITH LOCAL AHJ. WIRE TO SHUNT TRIP BREAKERS IN PANEL. SEE PANEL SCHEDULE. SEE ARCHITECTURAL PLANS FOR LOCATION OF "PUSH IN" POWER OFF SWITCH.
- WATER HEATER DISCONNECT LOCATED ABOVE CEILING.
- FLUSH MOUNT JUNCTION BOX FOR UNIT HEATER.
- E.C. TO COORDINATE WITH POOL CONTRACTOR TO ENSURE A GFCI/WEATHER PROOF RECEPTACLE IS WITHIN 20' OF EDGE OF POOL (BUT NO CLOSER THAN 6') AS REQUIRED BY NEC 680.22(A)(1). PROVIDE ON CIRCUIT 3 IN PANEL A.
- RECEPTACLE IN HOTBOX FOR FREEZE PROTECTION. VERIFY EXACT LOCATION OF HOTBOX WITH UTILITY PLANS BY OTHERS.
- EC TO COORDINATE WITH PC FOR HEAT TRACE ON COLD WATER SUPPLY LINES. SEE CIRCUIT IN PANEL A (A-8).
- GFCI PROTECTED BY BREAKER AT PANEL.



POWER CIRCUIT DESIGNATIONS



POWER PLAN: SCALE - 1/4" = 1'0" 2



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SHEET DISCRPTION

Lighting & Power Plans

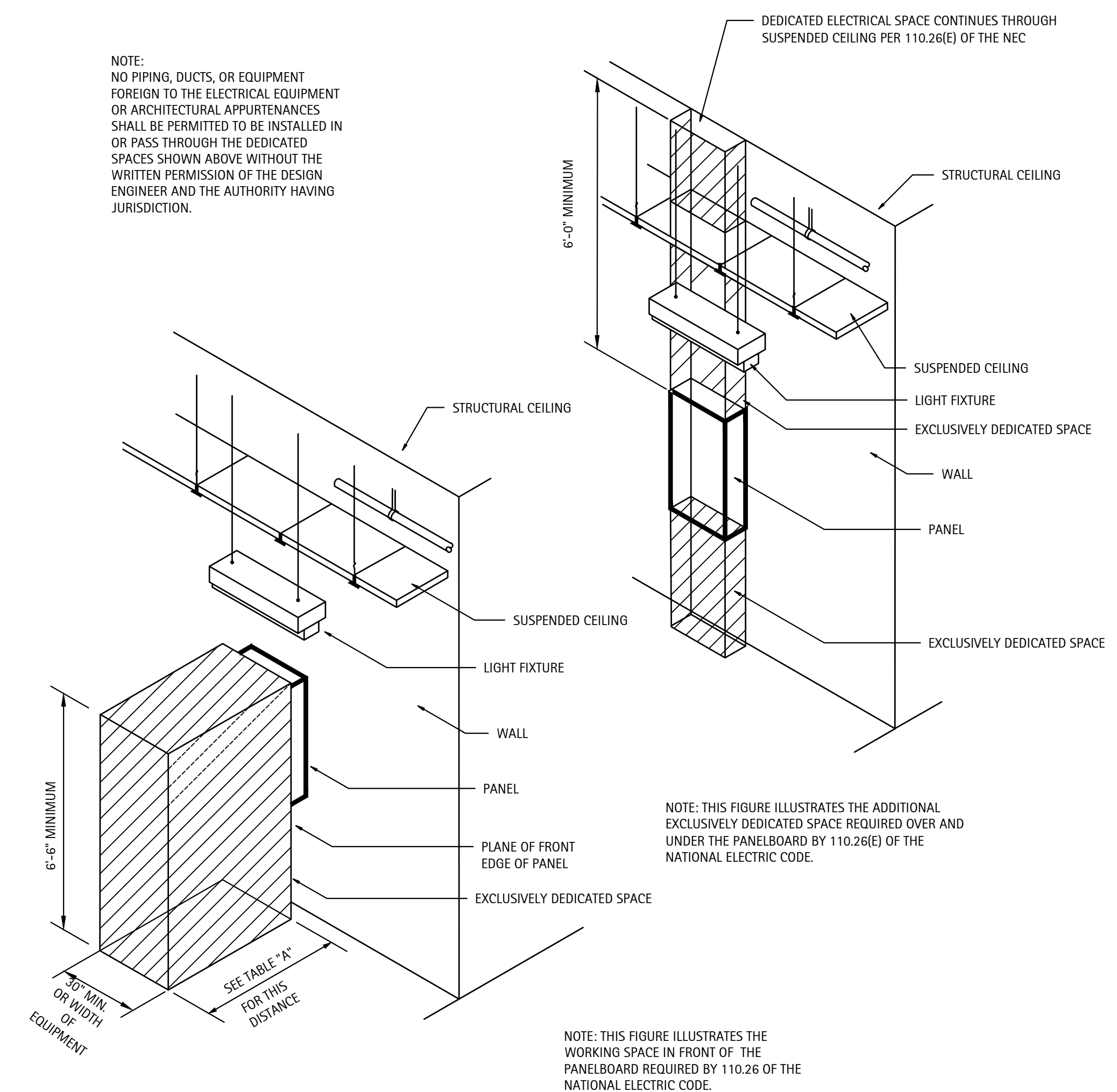
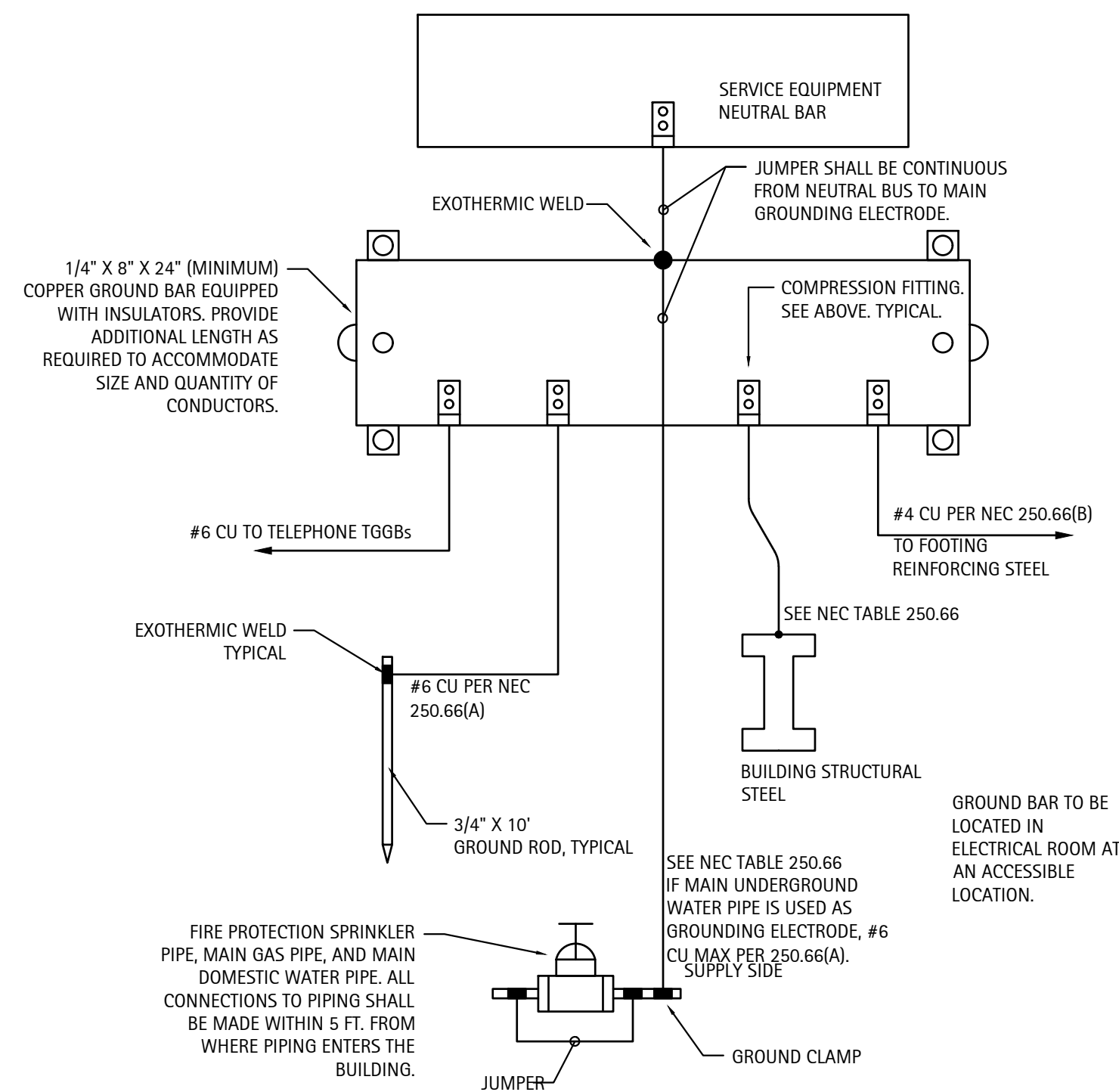
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HONEYCUTT OAKS
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 HARNETT COUNTY, NC

PANEL A								
CKT	LOAD	BKR	LOAD		BKR	LOAD	CKT	
			kVA	PH				
1	LIGHTS	20/1	0.77	A	0.34	20/1	PORCH/PAVILION FANS	2
3	EXHAUST FANS	20/1	1.06	B	0.36	20/1	WATER FOUNTAIN	4
5	PORCH/DECK RECEPTACLES	20/1	0.54	A	0.18	20/1	HOTBOX RECEPTACLE	6
7	BATHROOM RECEPTACLE	20/1	0.36	B	1.20	20/1	HEAT TRACE	8
9	5 HP POOL PUMP	60/2	3.36	A	1.20	20/1	POOL LIGHTS AND ACCESSORIES	10
11			3.36	B	1.20	20/1	POOL LIGHTS AND ACCESSORIES	12
13	SHUNT TRIP		0.00	A	0.00	20/1	POOL SPARE	14
15	POOL SPARE	20/1	0.00	B	2.40	20/2	UNIT HEATER 1	16
17	POOL SPARE	20/1	0.00	A	2.40		UNIT HEATER 2	18
19	UNIT HEATER 2	20/2	2.40	B	2.40	20/2	UNIT HEATER 3	20
21	UNIT HEATER 2	20/2	2.40	A	2.40		SPACE	22
23	EMERGENCY PHONE RECEPT.	20/1	0.18	B	2.25	30/2	WATER HEATER	24
25	SPARE	20/1	0.00	A	2.25		SPACE	26
27	SPARE	20/1	0.00	B	0.00	20/1	SPARE	28
29	SPACE		0.00	A	0.00		SPACE	30
31	SPACE		0.00	B	0.00		SPACE	32
33	SPACE		0.00	A	0.00		SPACE	34
35	SPACE		0.00	B	0.00		SPACE	36
37	SPACE		0.00	A	0.00		SPACE	38
39	SPACE		0.00	B	0.00		SPACE	40
41	SPACE		0.00	A	0.00		SPACE	42
			kVA	PH	AMPS			
			15.8	A	132			
			17.2	B	143			
VOLTAGE/PHASE			120/240, 1P, 3W					
BUS RATING			200A					
MAIN CIRCUIT BREAKER RATING			200A MAIN BREAKER					
AIC RATING			22K - EC TO VERIFY					
SERVICE ENTRANCE RATED			YES					
ENCLOSURE			NEMA 1					
MOUNTING			SURFACE					

NEC ELECTRIC DEMAND SUMMARY 120/240V, 1P, 3W						
EQUIPMENT	DEMAND FACTOR	kVA		LOAD kVA	NEC REFERENCE	NOTES/CALCULATIONS
		A	B			
LIGHTING	125%	1.23	1.23	2.45	220.12	1750 SF X 1.4 VA/SF
RECEPTACLES < 10 kVA	100%	0.72	0.72	1.44	220.44	
HVAC	100%	7.20	8.26	15.46	--	BASED ON MCA
WATER HEATER	125%	2.81	2.81	5.62	422.13	STORAGE TANK <120 GAL @ 125%
POOL EQUIPMENT	100%	5.40	6.60	12.00	430.24	LARGEST MOTOR @ 125%
DEMAND kVA PER PHASE		17.36	19.62			
DEMAND AMPS PER PHASE		145	163			

THE CALCULATED LIGHTING LOAD EXCEEDS THE CONNECTED LIGHTING LOAD.



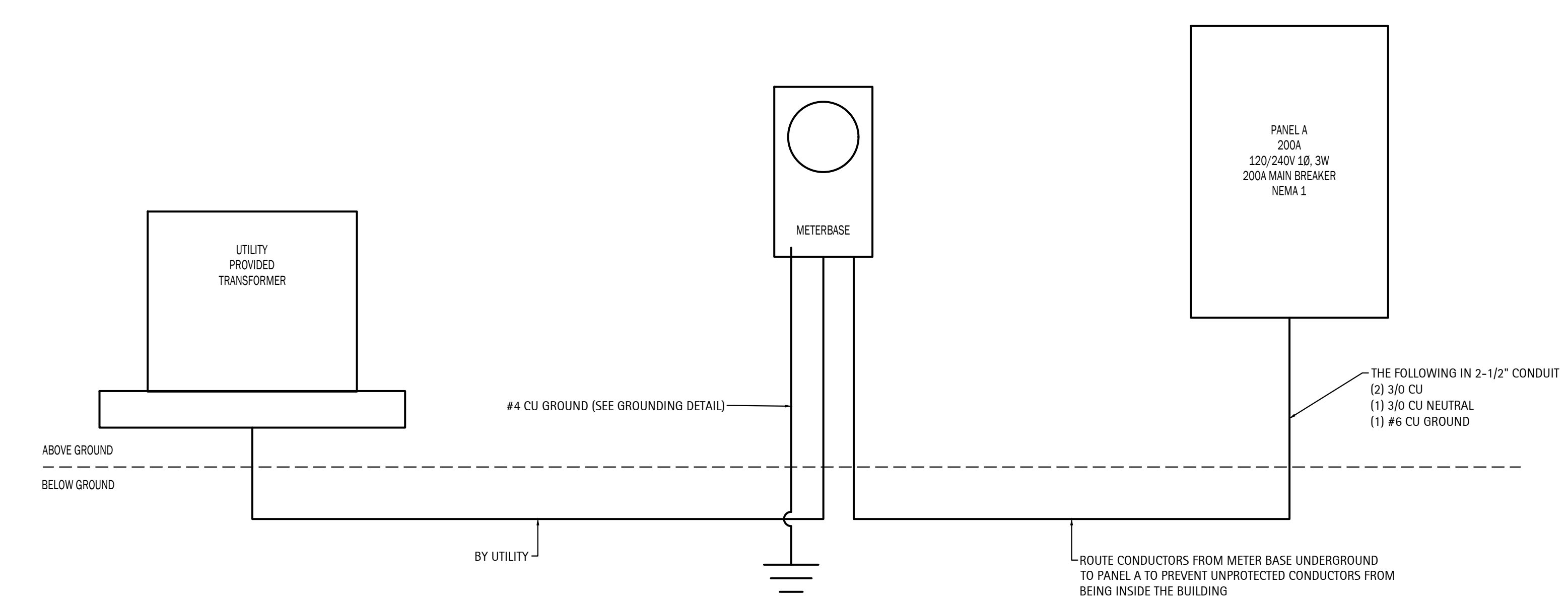
NOTE: WHERE THE CONDITIONS ARE AS FOLLOWS:

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.

CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.

CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

VOLTAGE TO GROUND, NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	2	3
0-150	3	3	3
151-600	3	3-1/2	4



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NO.	REVISION	DATE
1	PERMIT SET	07/27/22

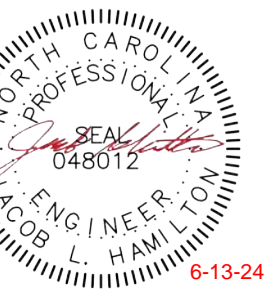
SHEET DESCRIPTION
Panel Schedules & Power Riser

PROJECT #: 22492
 DATE ISSUED: 07/27/2022
 DRAWING BY: DBAS
 CHECKED BY: MWK/JLH

HONEYCUTT OAKS
 DR HORTON
 BATHHOUSE & POOL
 HARNETT COUNTY, NC



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DATE	
REVISION	
NO.	

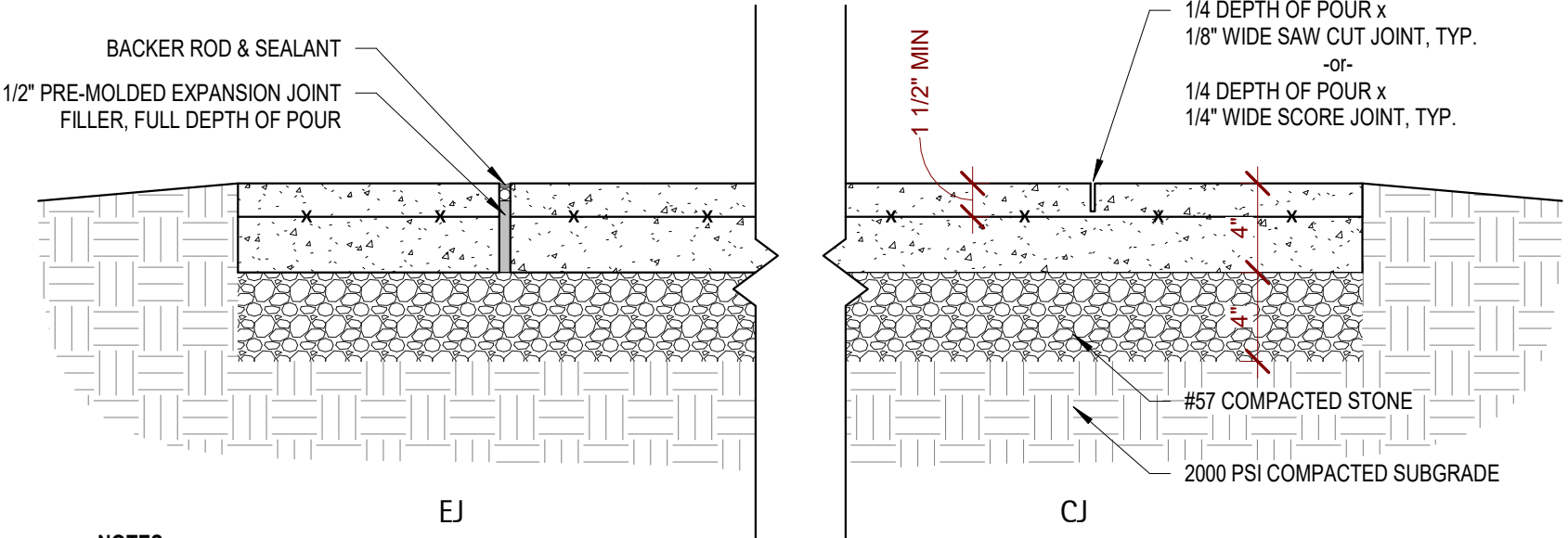
SHEET DISCUSSION
POOL DIMENSION PLAN

PROJECT #: 2022038
 DATE ISSUED: 06/13/2024
 DRAWING BY: JVD
 CHECKED BY: DSC/JLH

HONEYCUTT OAKS
 DR HORTON
 BATHHOUSE & POOL
 ANGIER, NC

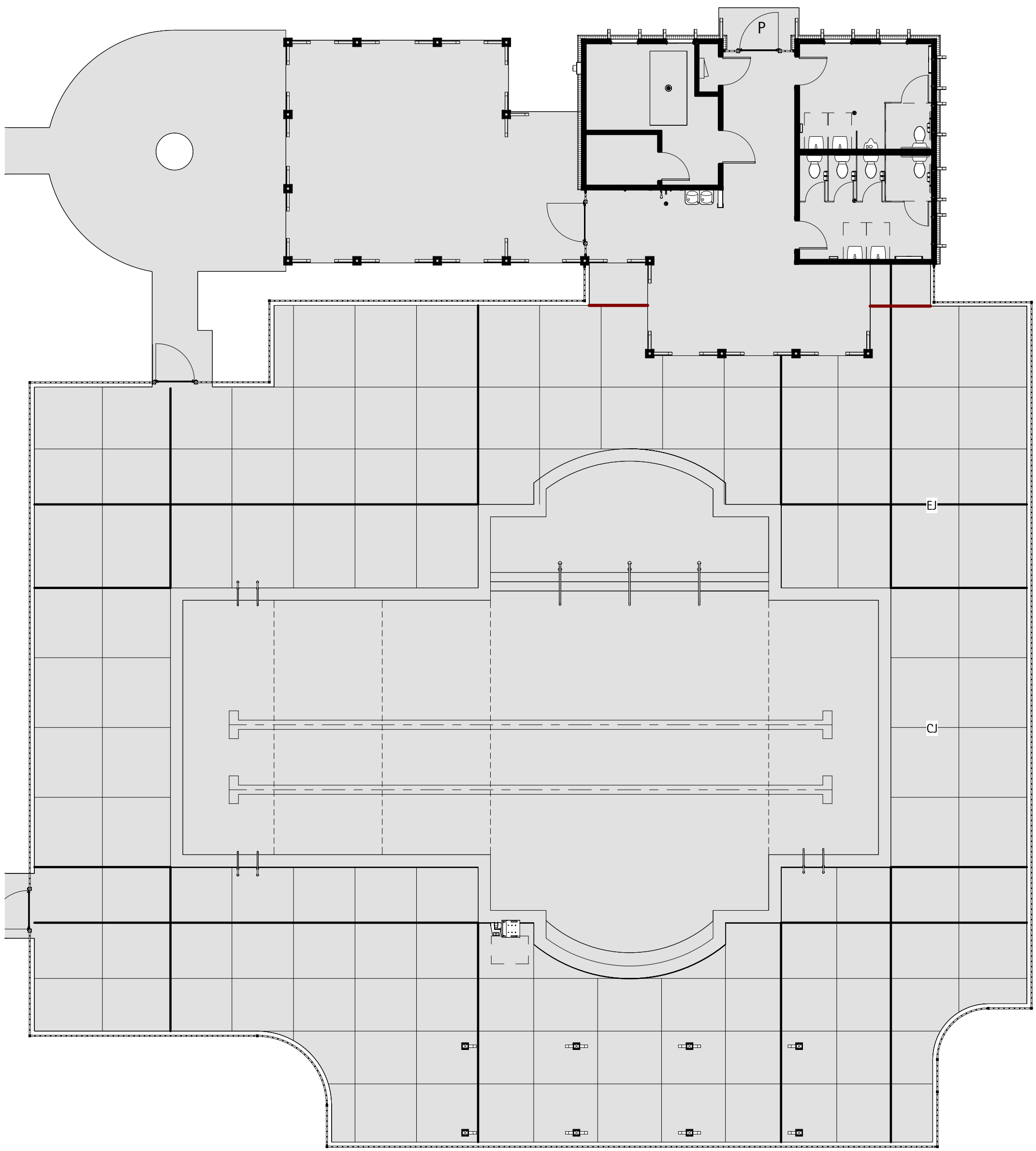
SP1.0

POOL DECK EXIT REQUIREMENTS
 POOL DECK AREA - 6,147 SF @ 15 SF PER PERSON
 DECK OCCUPANT LOAD IS 410.
 POOL AREA IS 2,688 SF @ 50 SF PER PERSON,
 POOL OCCUPANT LOAD IS 54.
 TOTAL POOL & POOL DECK OCCUPANCY COUNT IS 464 PERSONS.
 SEE LIFE SAFETY PLANS FOR EXIT WIDTH REQUIREMENTS AND TRAVEL DISTANCES.

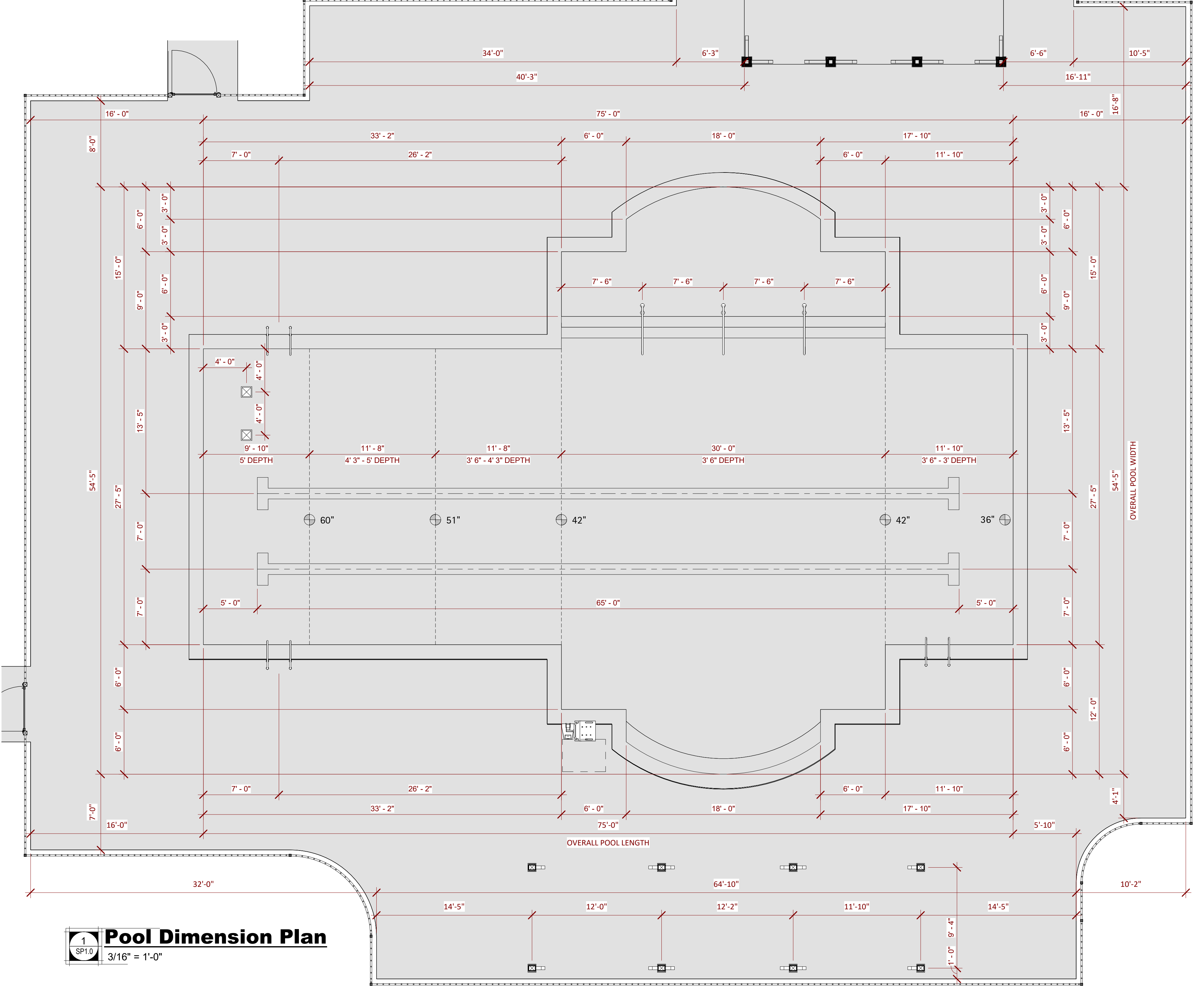


- NOTES:**
- ALL JOINTS TO BE CUT w/ WET WALK BEHIND SAW TO ENSURE ALL CUTS ARE PERPENDICULAR w/ FACE OF CONCRETE
 - MAXIMUM CONTROL JOINT SPACING SHALL BE 10 FT. IN EACH DIRECTION UNLESS SHOWN OTHERWISE ON PLAN. SEE STRUCT.
 - PROVIDE EXPANSION JOINT WHERE SLABS ARE POURED AGAINST VERTICAL SURFACES AND/OR DIFFERENT PAVING MATERIALS AND AS SPECIFIED ON PLANS OR 25'-0" MAX O.C.
 - MAX CROSS SLOPE NOTE IS FOR SIDEWALKS ONLY 3/4" 1'-0" MAX CROSS SLOPE 2%

2 Detail - Typ. Pool Sawcut Control Joint
 1 1/2" = 1'-0"



3 Pool Control Joint Plan
 1" = 10'-0"



1 Pool Dimension Plan
 3/16" = 1'-0"



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Table with columns: DATE, REVISION, NO.

SHEET DISCUSSION POOL LAYOUT PLAN

PROJECT #: 2022038 DATE ISSUED: 06/13/2024 DRAWING BY: JVD CHECKED BY: DSC/JLH

HONEYCUTT OAKS DR HORTON BATHHOUSE & POOL ANGIER, NC

SP2.0

POOL EQUIPMENT SCHEDULE table with columns: TAG, COUNT, MANUFACTURER, MODEL, COMMENTS

POOL DECK SIGNAGE REQUIREMENTS POOL SIGNAGE TO BE POSTED IN THE MAIN POOL AREA: SIGN "A" - 4" TALL LETTERS [WARNING - NO LIFEGUARD ON DUTY] SIGN "B" - 1" TALL LETTERS - A MIN. OF (2) THIS PROJECT

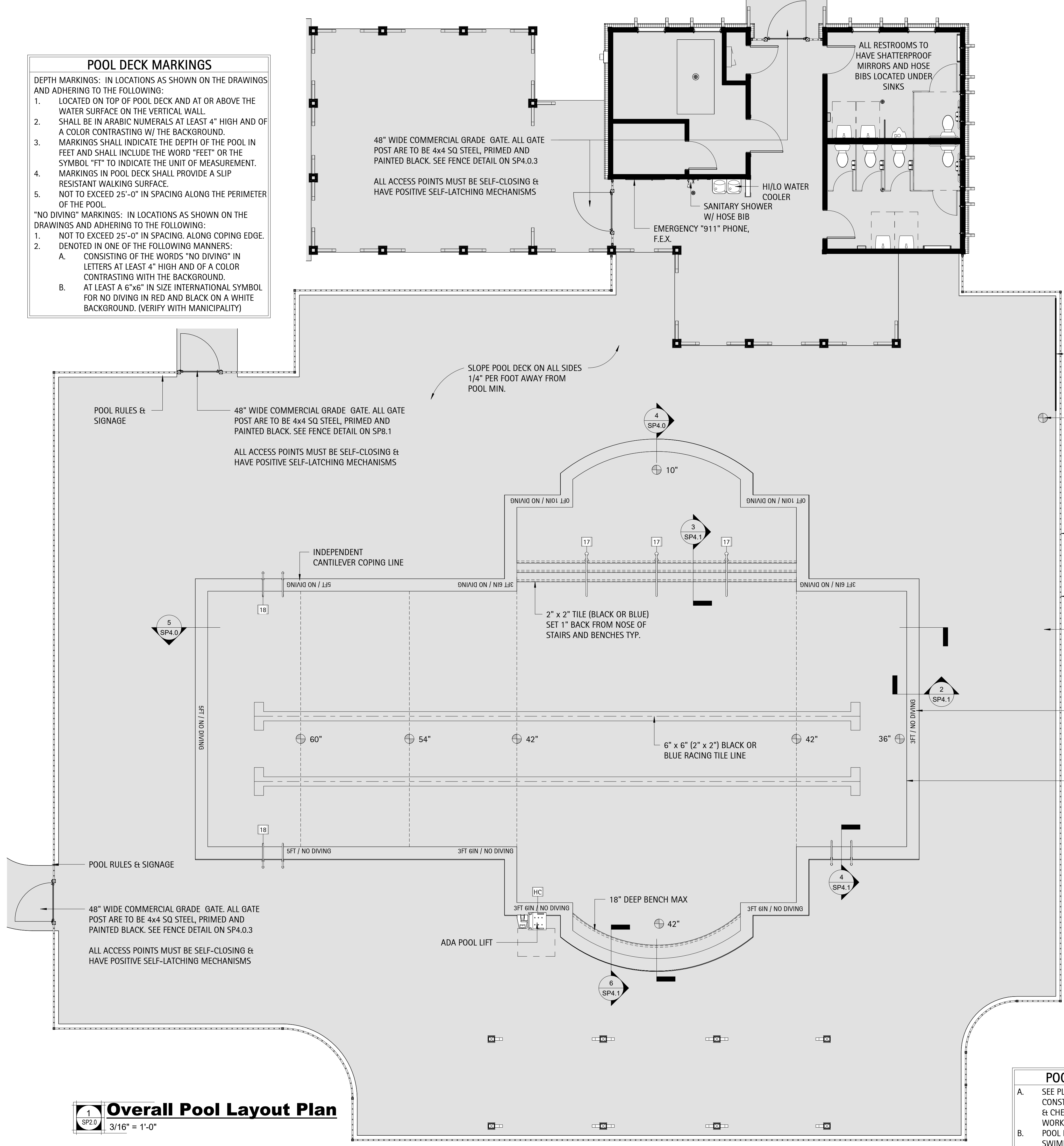
POOL SAFETY REQUIREMENTS PROVIDE SAFETY PROVISIONS PER SECTION .2530. THE MINIMUM BEING: A. 12" LONG (MINIMUM) METAL POLE WITH A BODY HOOK SECURELY ATTACHED...

BUILDING FIXTURE DATA TOTAL BATHER LOAD = 2,688 /15 = 180 (50% - 50% SPLIT) = 90 CLUBHOUSE & PUMP HOUSE MINIMUM FIXTURE REQUIREMENTS FOR HEALTH DEPARTMENT APPROVAL ARE: 90 MEN - 1 LAVATORIES - 1 WATER CLOSET(S) - 1 URINAL(S) 90 WOMEN - 1 LAVATORIES - 1 WATER CLOSET(S) 1 SHOWER IS REQUIRED SEE ARCHITECTURAL PLANS BY OTHERS FOR RESTROOM LOCATION & LAYOUTS

MAIN POOL DATA POOL DIMENSIONS: 54'-5" X 75'-0" OVERALL IRREGULAR SHAPE. POOL DEPTHS: 10" SHELF w/ 3' 6"-5' POOL. POOL VOLUME: 70,353 GALLONS. SURFACE AREA: 2,688 SQFT.

POOL DESIGN NOTES A. SEE PLANS BY OTHERS FOR CONSTRUCTION OF BATHHOUSE, PUMP & CHEMICAL STORAGE ROOMS, SITE WORK, ETC. B. POOL IS DESIGNED FOR DAWN TO DUSK SWIMMING ONLY

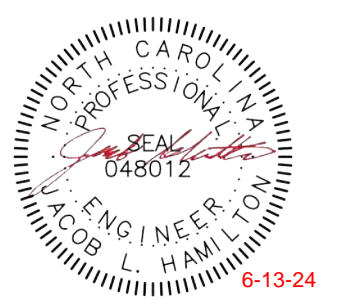
POOL DECK MARKINGS DEPTH MARKINGS: IN LOCATIONS AS SHOWN ON THE DRAWINGS AND ADHERING TO THE FOLLOWING: 1. LOCATED ON TOP OF POOL DECK AND AT OR ABOVE THE WATER SURFACE ON THE VERTICAL WALL...



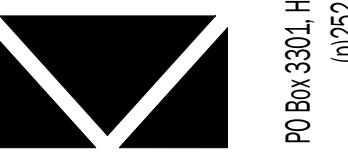
1 Overall Pool Layout Plan 3/16" = 1'-0"



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Kilian Engineering, Inc.



DATE: _____
REVISION: _____
NO.: _____

SHEET DISCUSSION

POOL PIPING & PUMPROOM PLAN

PROJECT #: 2022038

DATE ISSUED: 06/13/2024

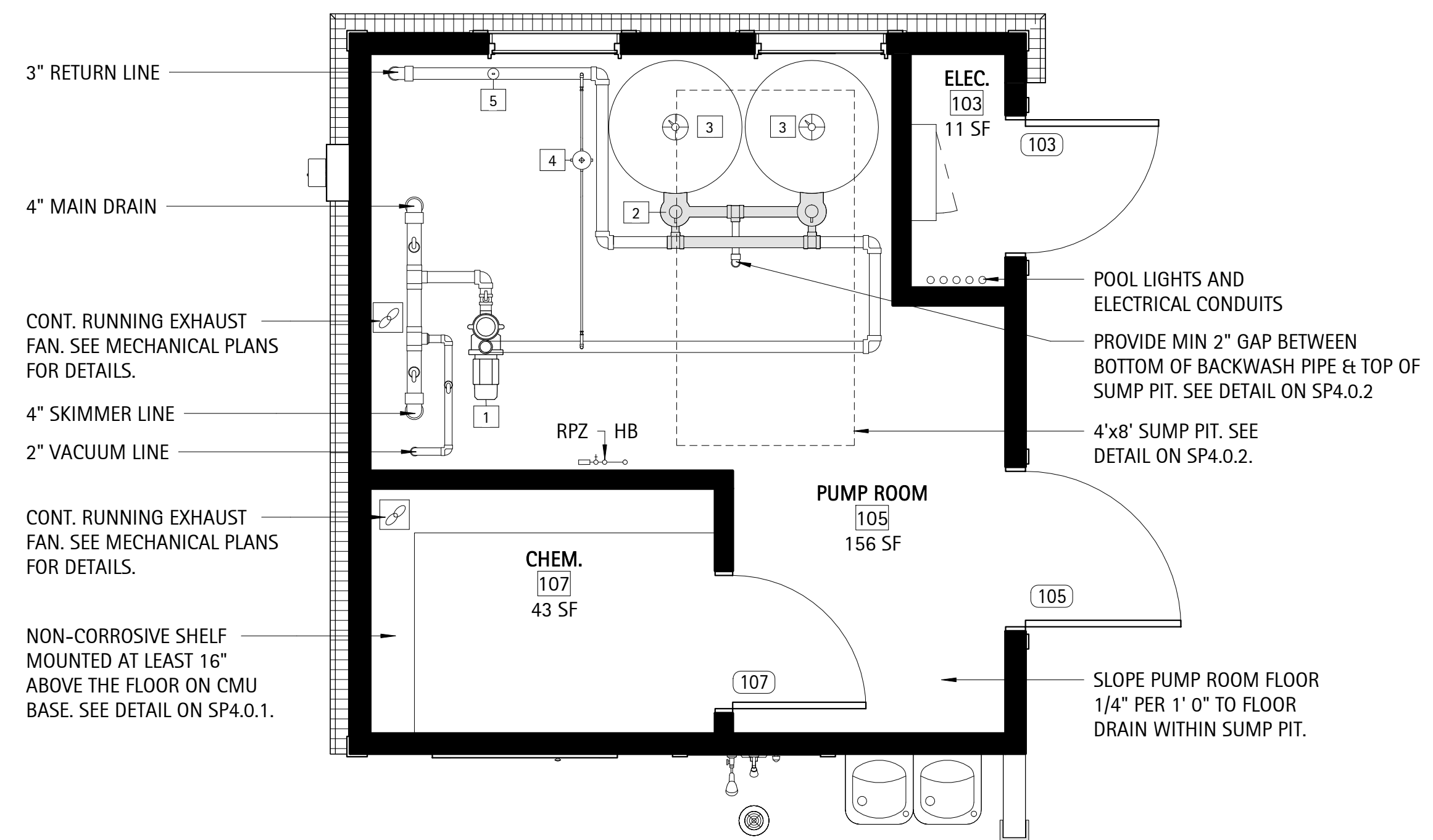
DRAWING BY: JVD

CHECKED BY: DSC/JLH

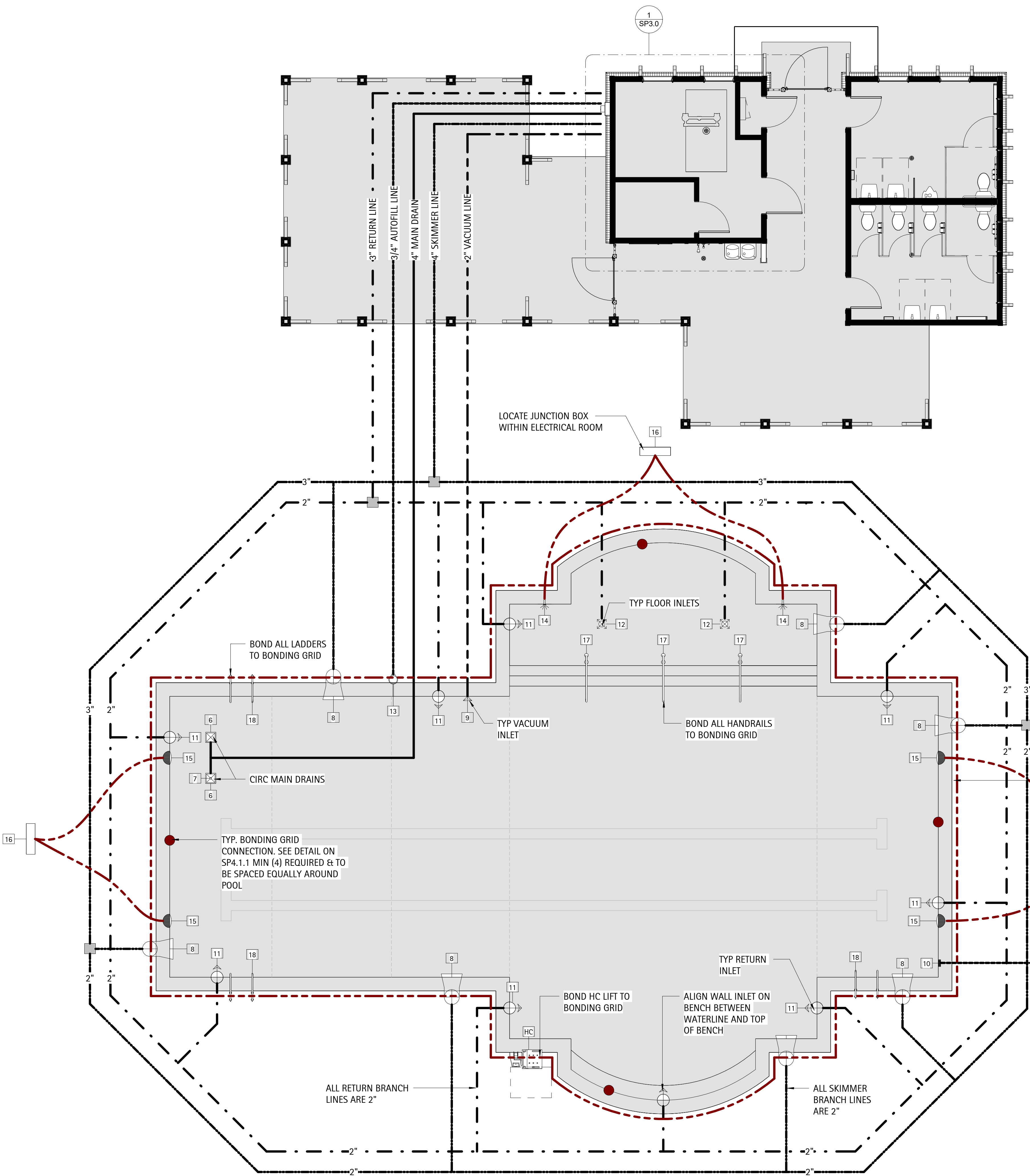
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BATHHOUSE & POOL
ANGIER, NC

SP3.0

POOL EQUIPMENT SCHEDULE				
TAG	COUNT	MANUFACTURER	MODEL	COMMENTS
1	1	PENTAIR	XFET-20	5 HP SELF-PRIMING PUMP W/ STRAINER BASKET + EXTRA STRAINER BASKET
2	1	PENTAIR	147400	TANDEM FILTER PIPING KITS FOR 2 & 3 IN FILTERS
3	2	PENTAIR	TR140-C3	36" DIA HIGH RATE SAND FILTER W/ 7.06 SF OF MEDIA
4	1	PENTAIR	HC-3315	HIGH CAPACITY CHLORINE/BROMINE FEEDER
5	1	FLOVIS	FV-3-40	3 INCH INLINE COMMERCIAL FLOWMETER
6	2	AQUASTAR	WAV12WR101 W/ FBS-50-812-4	12" x 12" VGB SUCTION OUTLET COVER W/ A.S.A. MFG FIBERGLASS SUMP
7	1	AQUASTAR	HVC101	SELF-CONTAINED HYDROSTATIC RELIEF VALVE ASSEMBLY
8	7	AQUASTAR	SKR101	WHITE COMMERCIAL GRADE SKIMMER
9	1	AQUASTAR	ES1022SI2001 W/ VLK15T01	VACUUM LINE FITTING W/ LOCK CAP
10	1	AQUASTAR	GDD101	COMMERCIAL OVERFLOW DRAIN
11	9	AQUASTAR	ES1022SI2001 W/ 8101	RETURN WALL INLET - DIRECTIONAL
12	2	AQUASTAR	ES1022SI2001 W/ BP101	FLOOR RETURN INLET W/ BUBBLER PLATE
13	1	AQUASTAR	AFB101	FILLSTAR - AUTOFILL LINE - WHITE
14	2	PENTAIR	602104	190W EQUIVALENT GLOBRITE WHITE LED LIGHT
15	5	PENTAIR	LIGHT - 601107	300W EQUIVALENT INTELLIBRITE WHITE LED LIGHT
16	3	INTERMATIC	PJB4175	4 LIGHT CONNECTION POOL & SPA JUNCTION BOX
17	3	SR SMITH	DMS-102B - MG	MARINE GRADE DECK MOUNTED HANDRAIL
18	3	SR SMITH	10054 - MG	MARINE GRADE DECK MOUNTED COMMERCIAL LADDER
HC	1	S.R. Smith, LLC	multiLift	ADA COMPLIANT MULTILIFT WITH FOLDING SEAT



1 SP3.0 Enlarged Pump Room 3/8" = 1'-0"



2 SP3.0 Return & Suction Plan 3/16" = 1'-0"

PUMP FLOW PIPE SIZING

XFET-20 PUMP FLOW AT 65 FT OF WATER IS 210 GPM, WITH SPECIFIED:
4" MAIN DRAIN PIPING VELOCITY IS 5.29 FPS.
4" SKIMMER PIPING VELOCITY IS 5.29 FPS.
3" RETURN PIPING VELOCITY IS 9.12 FPS.

UNDERWATER LIGHTING DATA

MAIN POOL AREA: 2,688 SQFT.
2,688 SF x 0.5 WATTS = 1,344 WATTS
LIGHTING PROVIDED (12V LED EQ.)
2 GLOBRITES @ 190 WATTS
4 INTELLIBRITE @ 300 WATTS
TOTAL PROVIDED: 1,580 WATTS

CHEMICAL STORAGE DATA

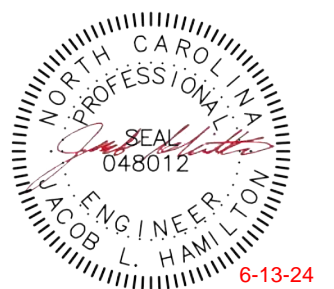
CHEMICAL STORAGE REQUIREMENTS FOR A 70,353 GALLON POOL ARE:
5 SF FOR FIRST 10,000 GALLONS OF POOL +
+1 SF FOR EACH ADDITIONAL 3,000 GALLONS OF POOL UP TO 100 SF OF STORAGE
+21 SF (1 SF PER 3,000)(60,353/3,000 = 20.117)
POOL REQUIRES A MIN OF 26 SF FOR CHEMICAL STORAGE.
-SEE BUILDING PLANS BY OTHERS FOR EXACT LAYOUT.
-SEE DETAIL 1 ON SP4 FOR TYP CHEMICAL ROOM SHELVING w/ QUANTITIES.

MAIN POOL DATA

POOL DIMENSIONS:	54'-5" X 75'-0" OVERALL IRREGULAR SHAPE.
POOL DEPTHS:	10" SHELF w/ 3' 6"-5" POOL
POOL VOLUME:	70,353 GALLONS
SURFACE AREA:	2,688 SQFT.
PERIMETER:	239 LF
COPING:	BULLNOSE INDEPENDENT
REQUIRED FLOW:	195 GPM @ 65 TDH
DESIGN FLOW:	210 GPM @ 65 TDH
SHELL MATERIAL:	250 PSI SHOTCRETE
INTERIOR FINISH:	QUARTZ PLASTER
BATHER LOAD:	180 PERSONS
BACKWASH TO:	SANITARY SEWER
WATER SOURCE:	IN-LINE AUTOFILL
PIPE SIZING:	
MAIN DRAINS:	(2) 4" SCH 40 PVC
SKIMMERS:	(7) 4" SCH 40 PVC
VACUUM LINE:	(1) 2" SCH 40 PVC
INLETS:	(1) 3" SCH 40 PVC
FILTER TYPE:	HIGH RATE SAND
SIZE PROVIDED:	2 @ 7.06 SF (EA) = 14.14
SIZE REQUIRED:	14.00 SF TOTAL
MEDIA CIRC. RATE:	15 GPM/SF
BACKWASH RATE:	15 GPM/SF
TURNOVER RATE:	6 HOURS



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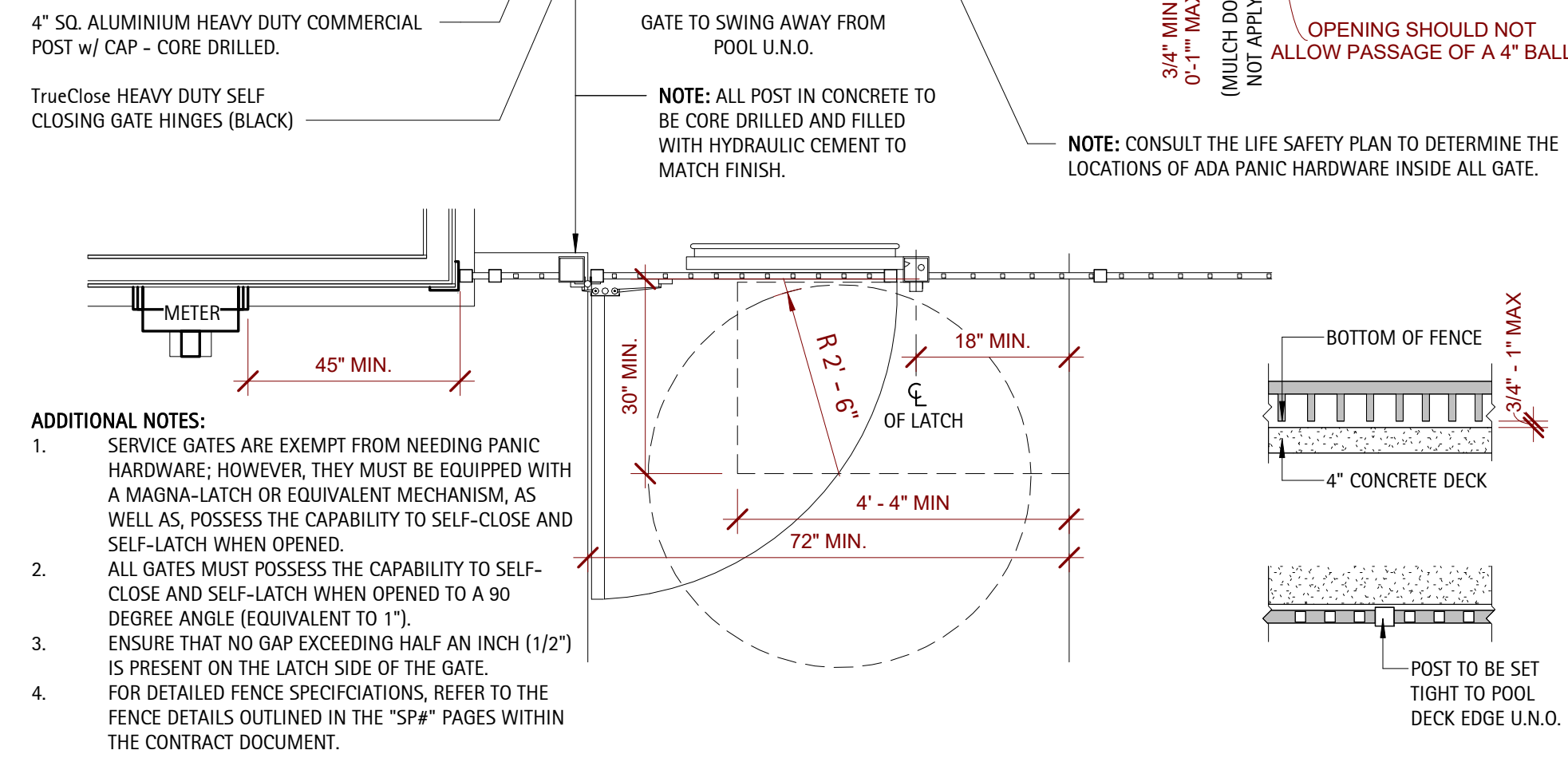
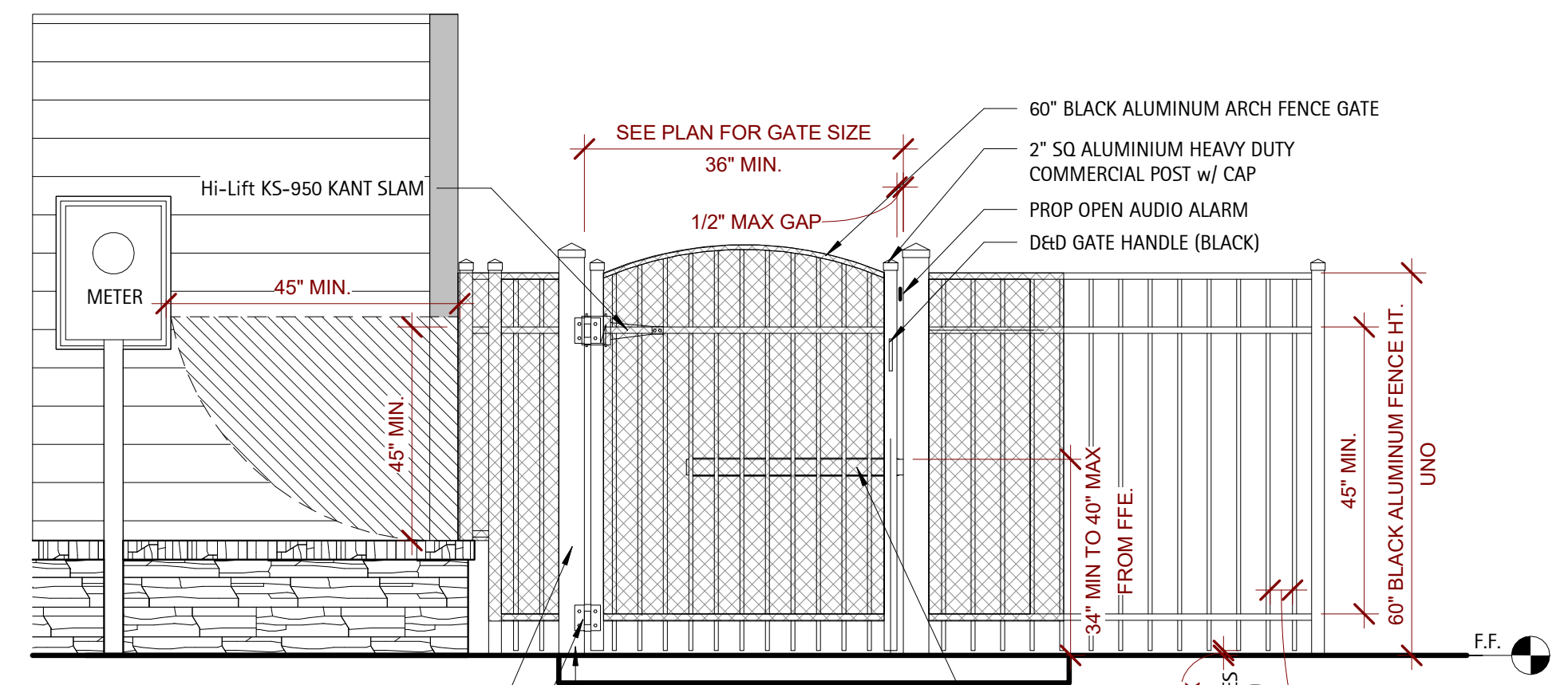
DATE	
REVISION	
NO.	

SHEET DISCRPTION
POOL SECTIONS & DETAILS

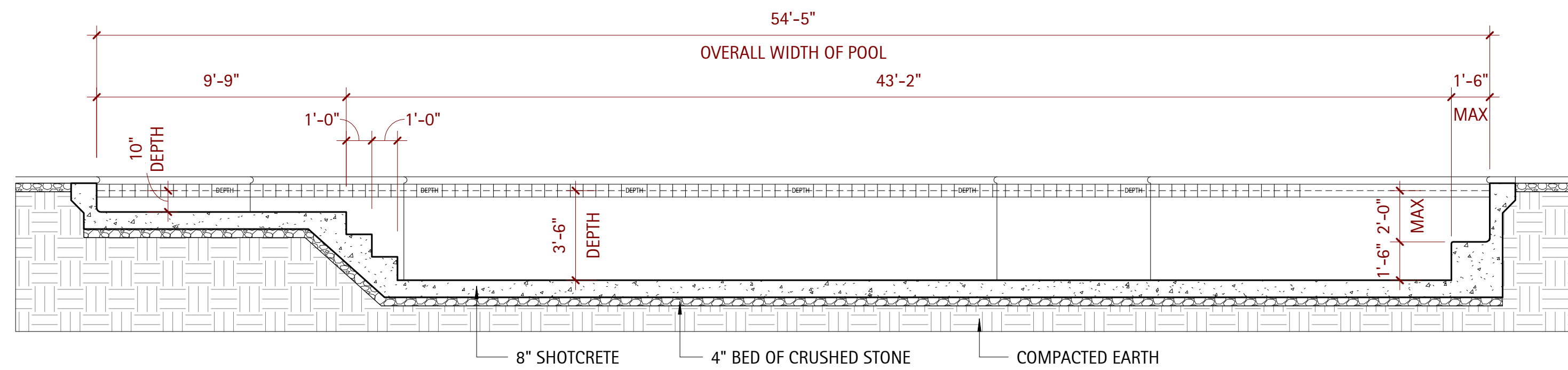
PROJECT #: 2022038
 DATE ISSUED: 06/13/2024
 DRAWING BY: JVD
 CHECKED BY: DSC/JLH

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 DR HORTON
 BATHHOUSE & POOL
 ANGIER, NC

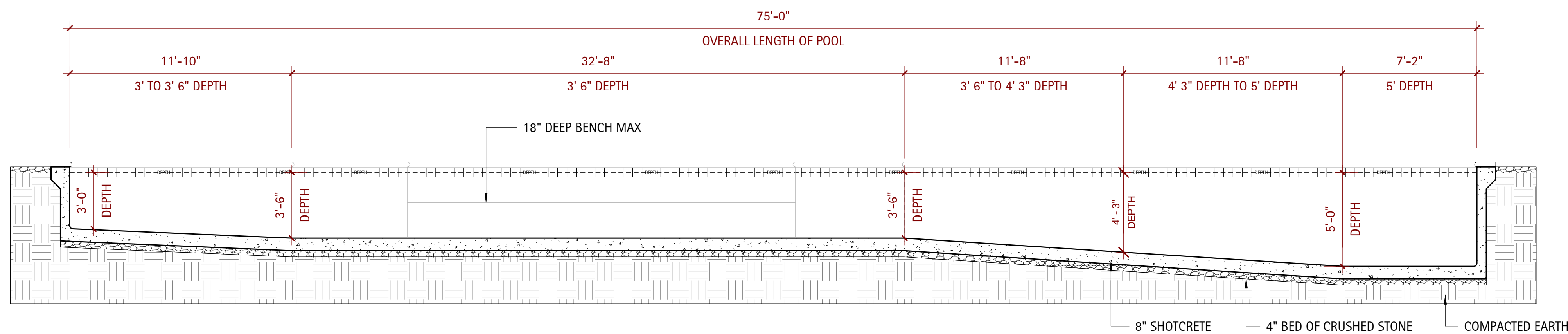
SP4.0



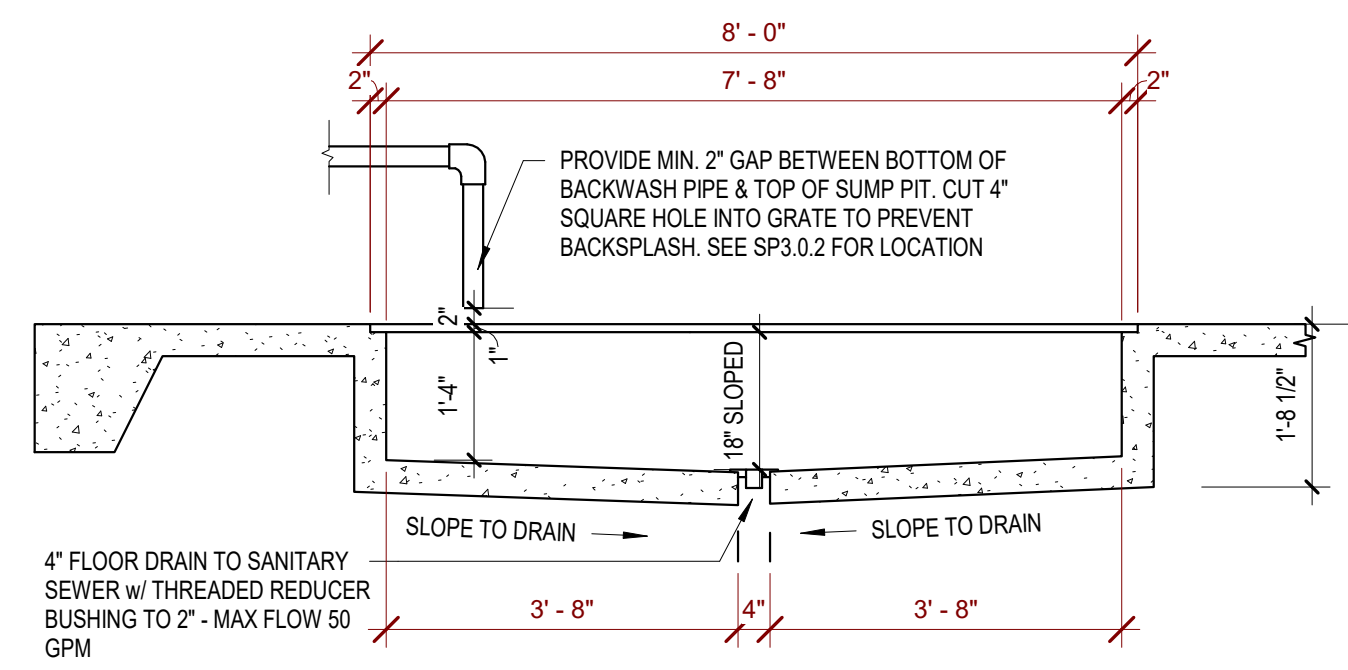
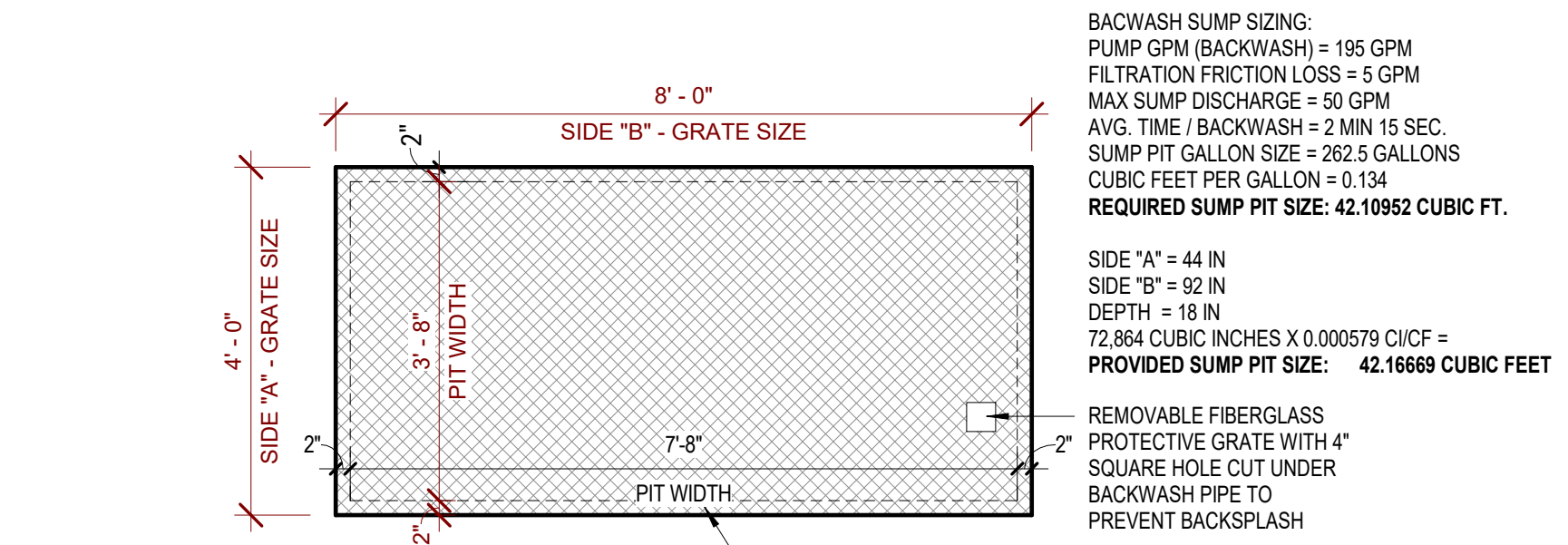
3 Detail - Fence
1/2" = 1'-0"



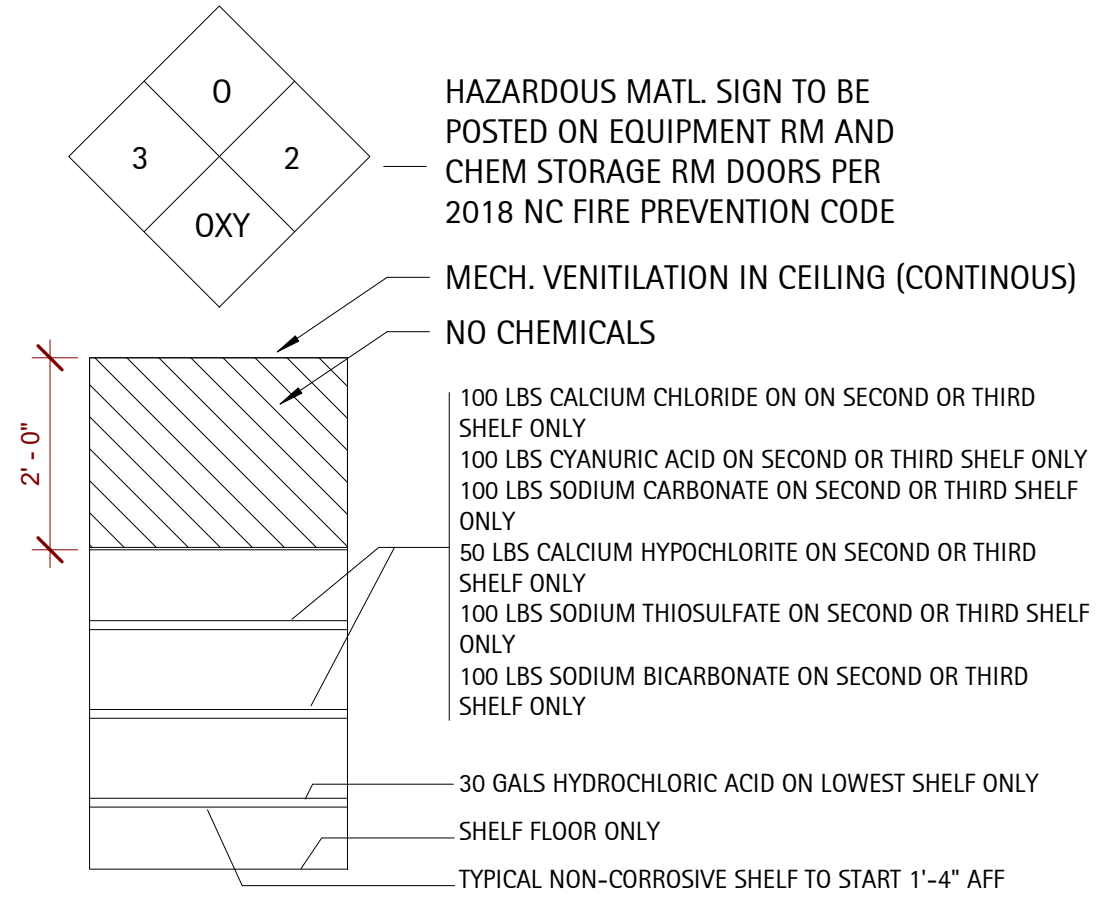
4 Detail - North South Pool Section
1/4" = 1'-0"



5 Detail - East West Pool Section
1/4" = 1'-0"

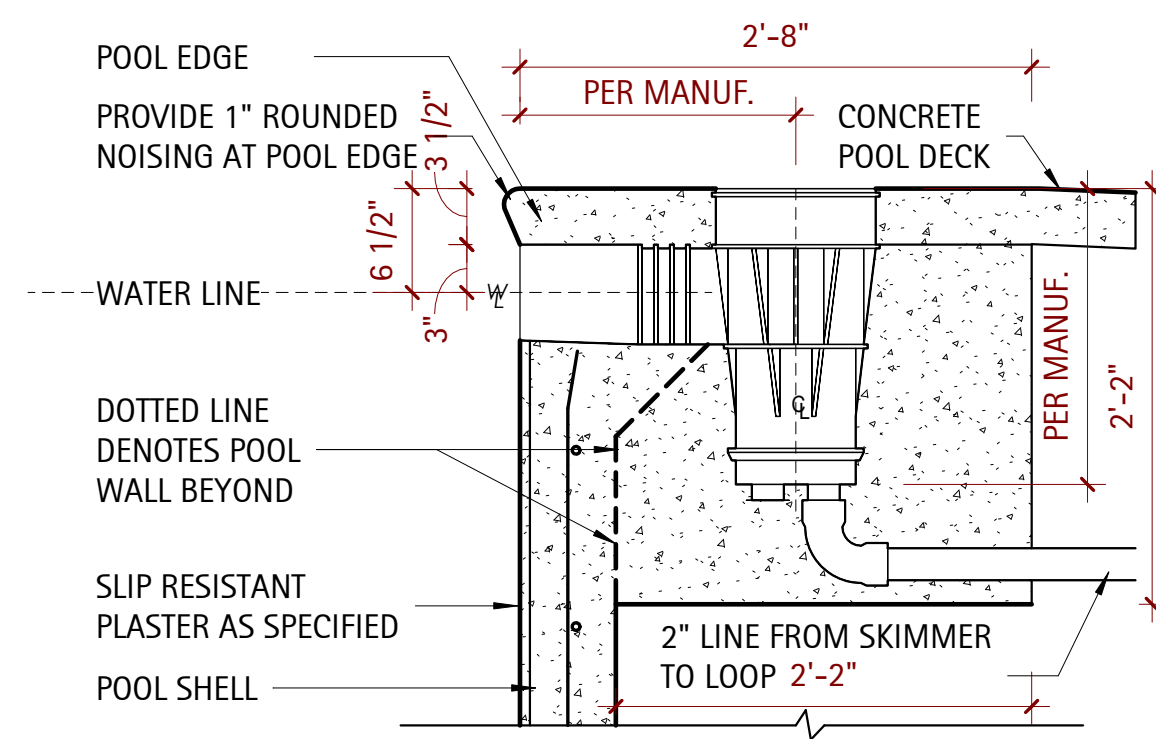


2 Detail - Sump Pit
1/2" = 1'-0"

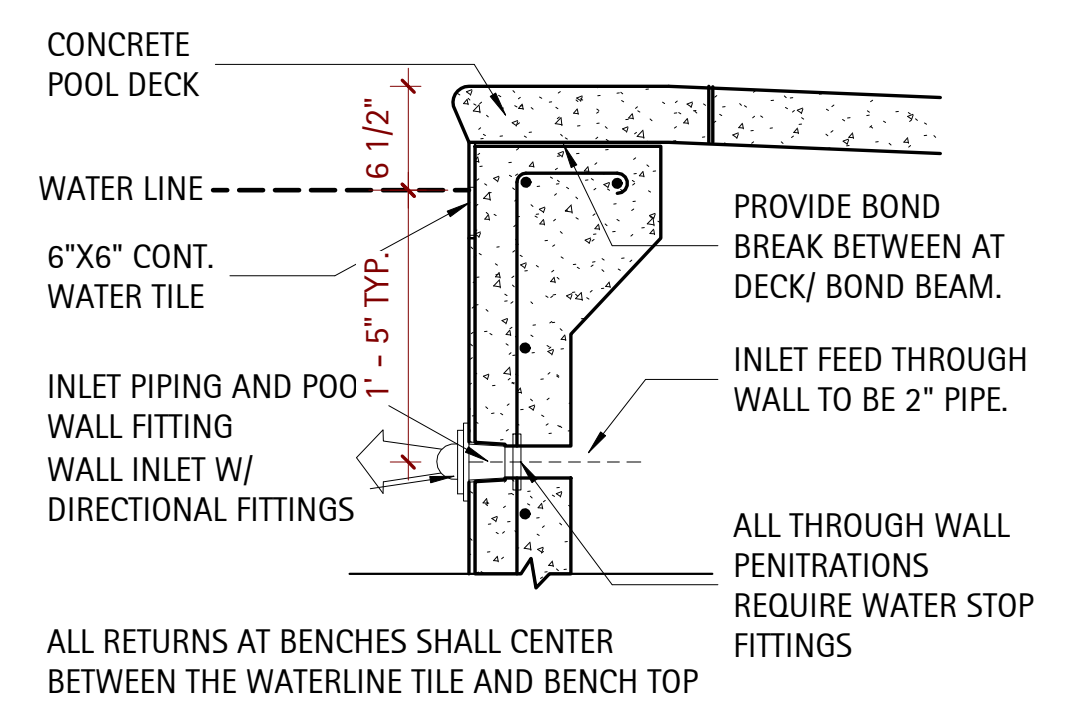


TYPICAL CHEMICAL ROOM SHELVING w/ QUANTITIES
 A. Unless otherwise stated, all code references are to the 2018 North Carolina State Building Codes (NCSBC).
 B. North Carolina Building Code (NCBC) applicable portions include but are not limited to:
 1. Chapter 3, Section 307 and Tables 307.1(1), 307.1(2)
 2. Chapter 4, Section 414, 415 and Tables 414.2.2, 414.2.5, 415.8.2.1.1
 C. North Carolina Fire Code (NCFPC) applicable portions include but are not limited to:
 1. NCFPC, Chapter 18, Tables 1804.2.2.1, 1805.2.2
 2. NCFPC, Chapters 27 through 44.
 3. Appendices E and F

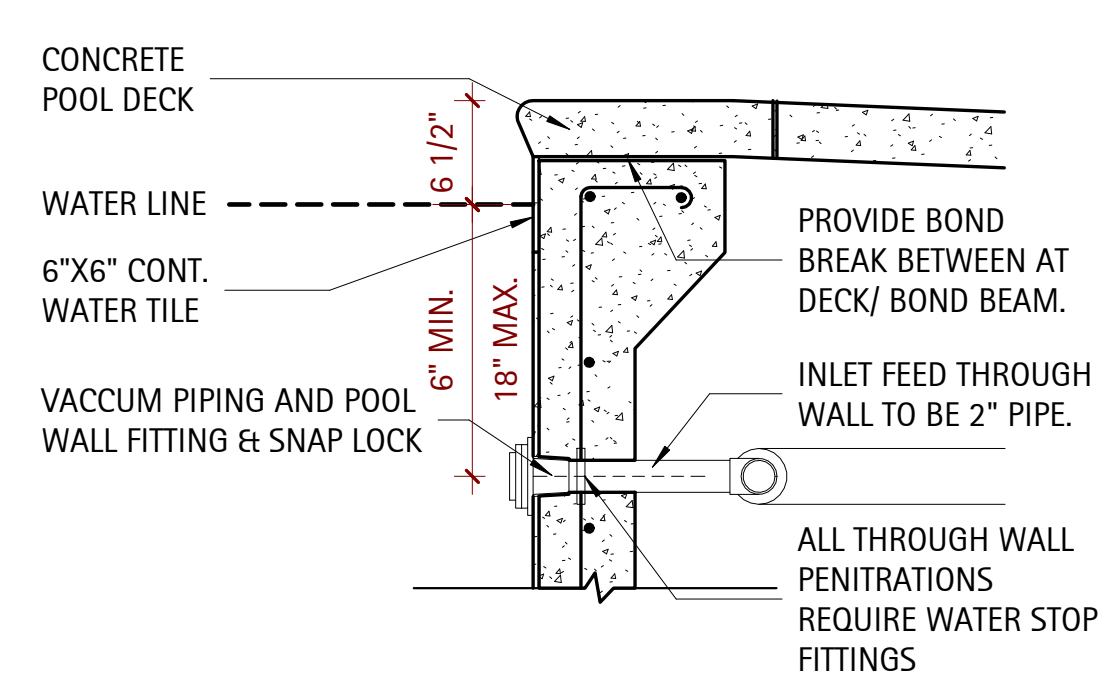
1 Detail - Chemical Storage
1/2" = 1'-0"



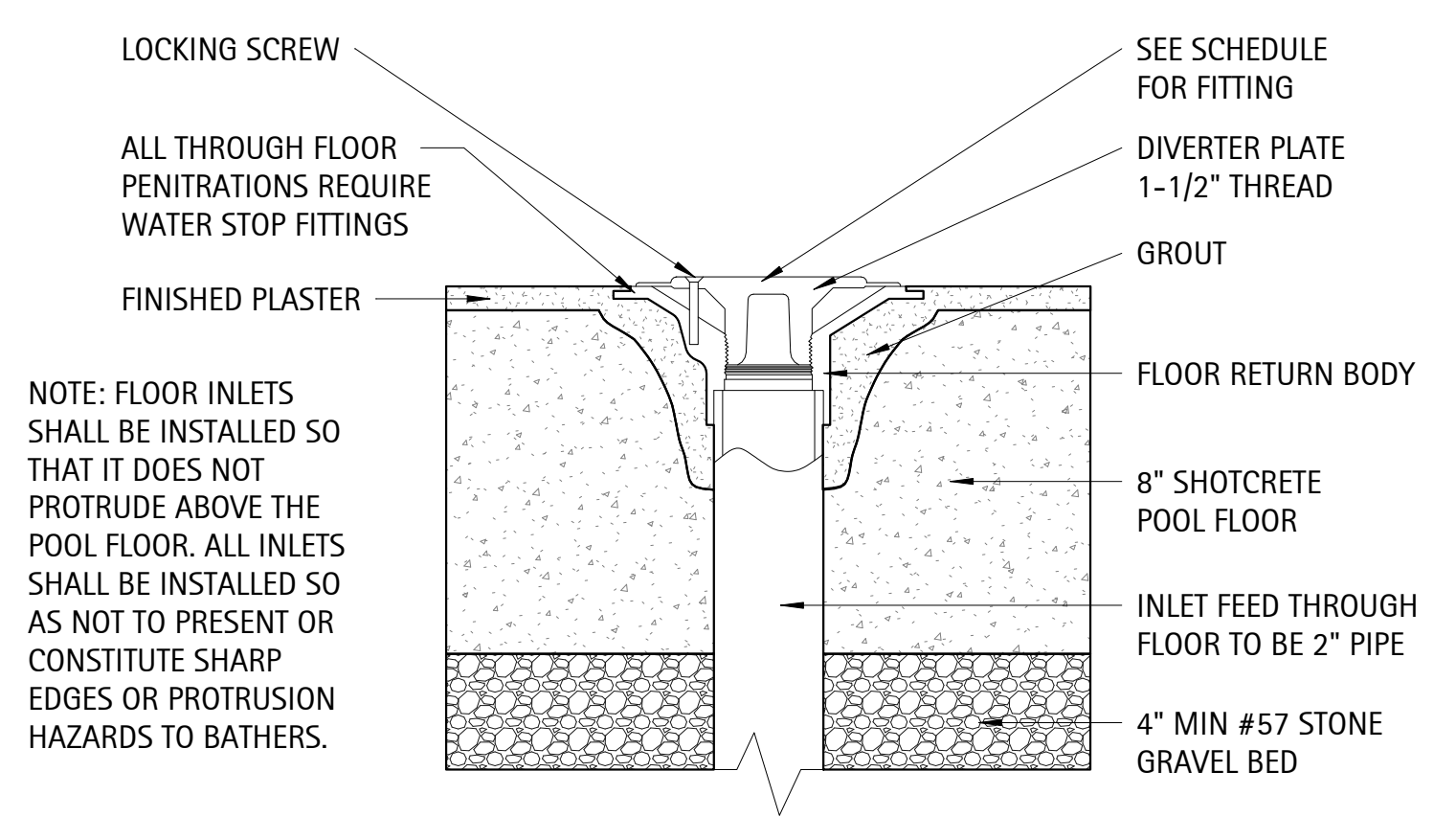
7 Detail - Pool Skimmer
1" = 1'-0"



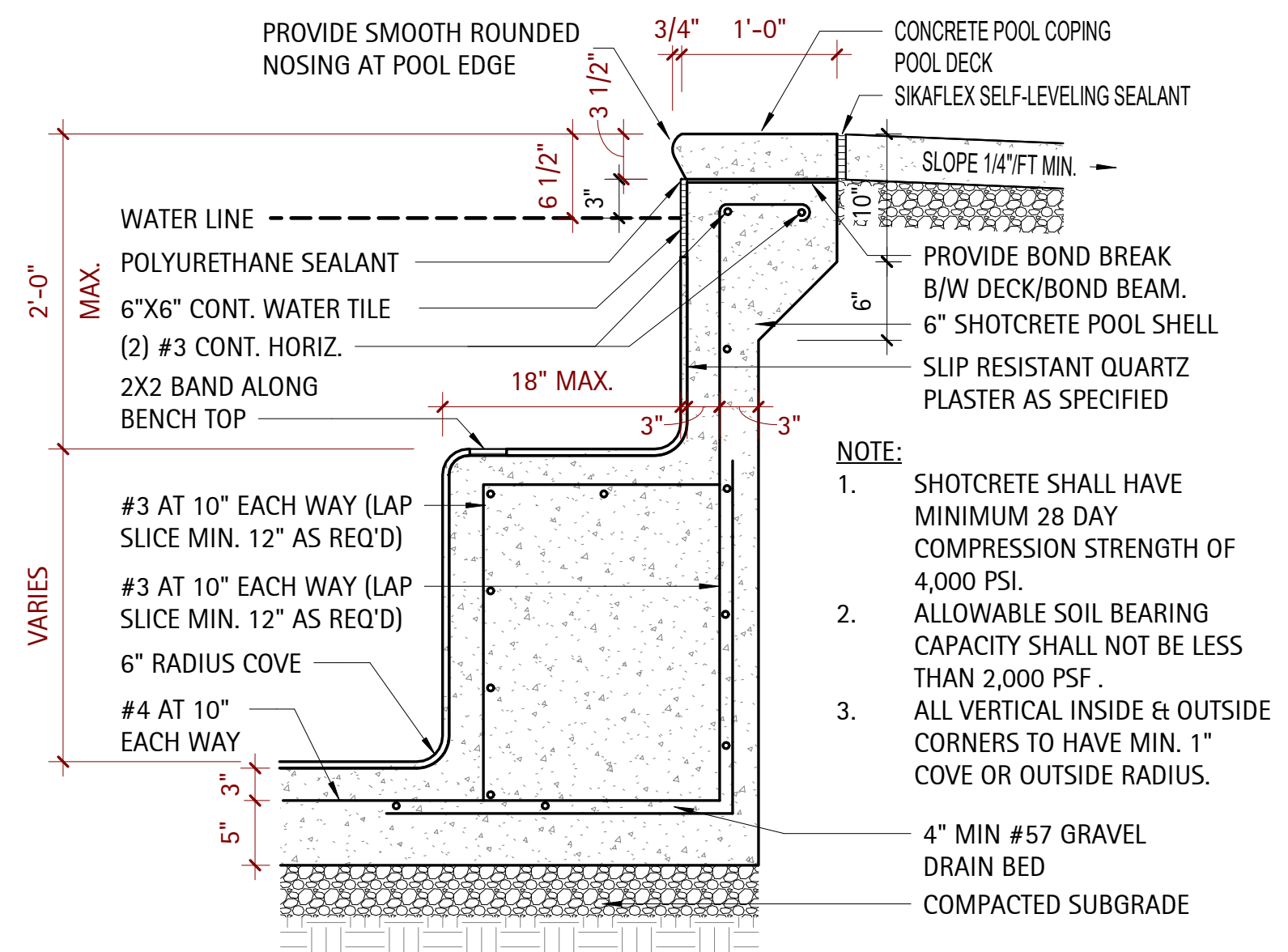
8 Detail - Return Inlet Pipe
1" = 1'-0"



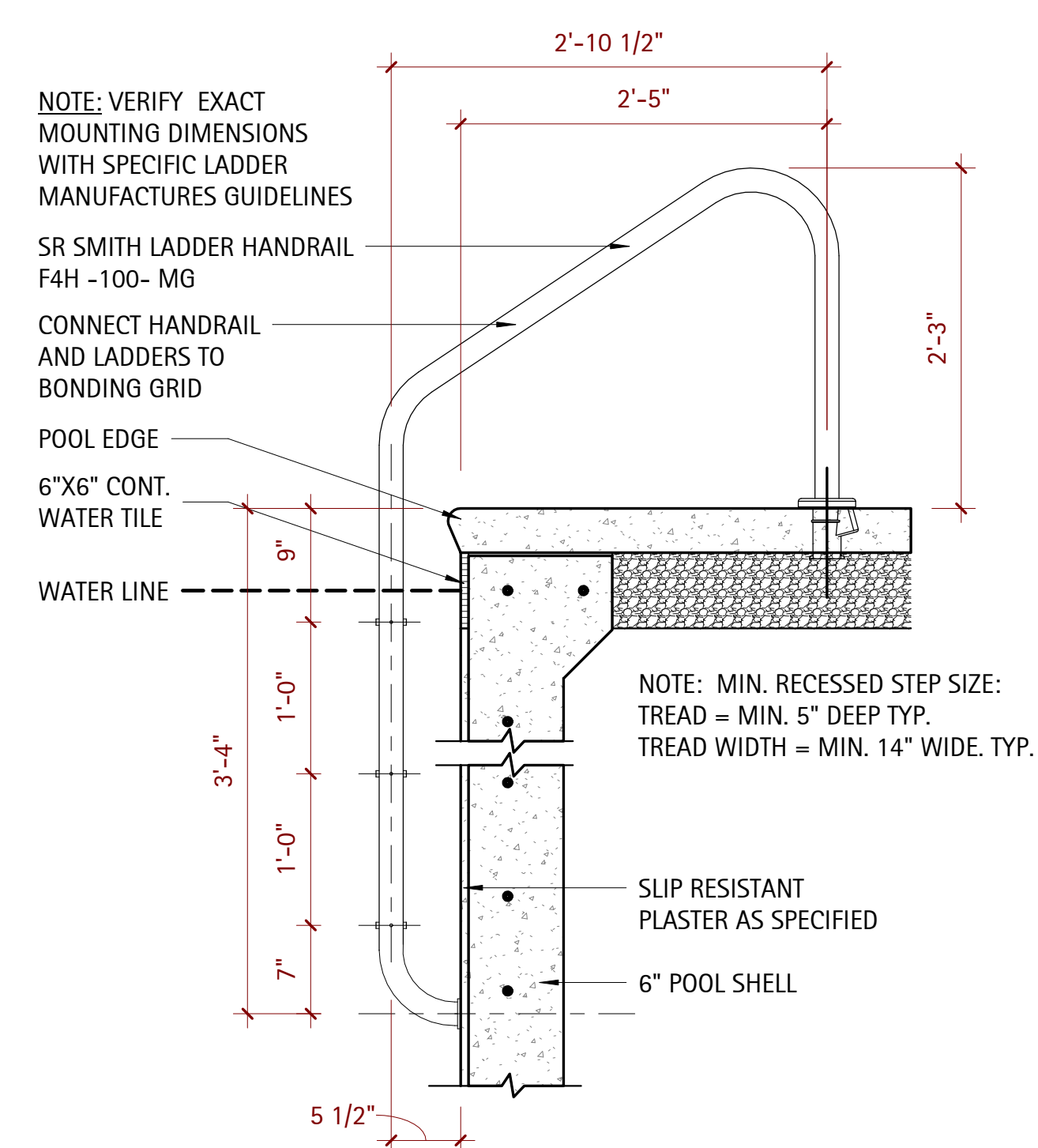
9 Detail - Vacuum Inlet
1" = 1'-0"



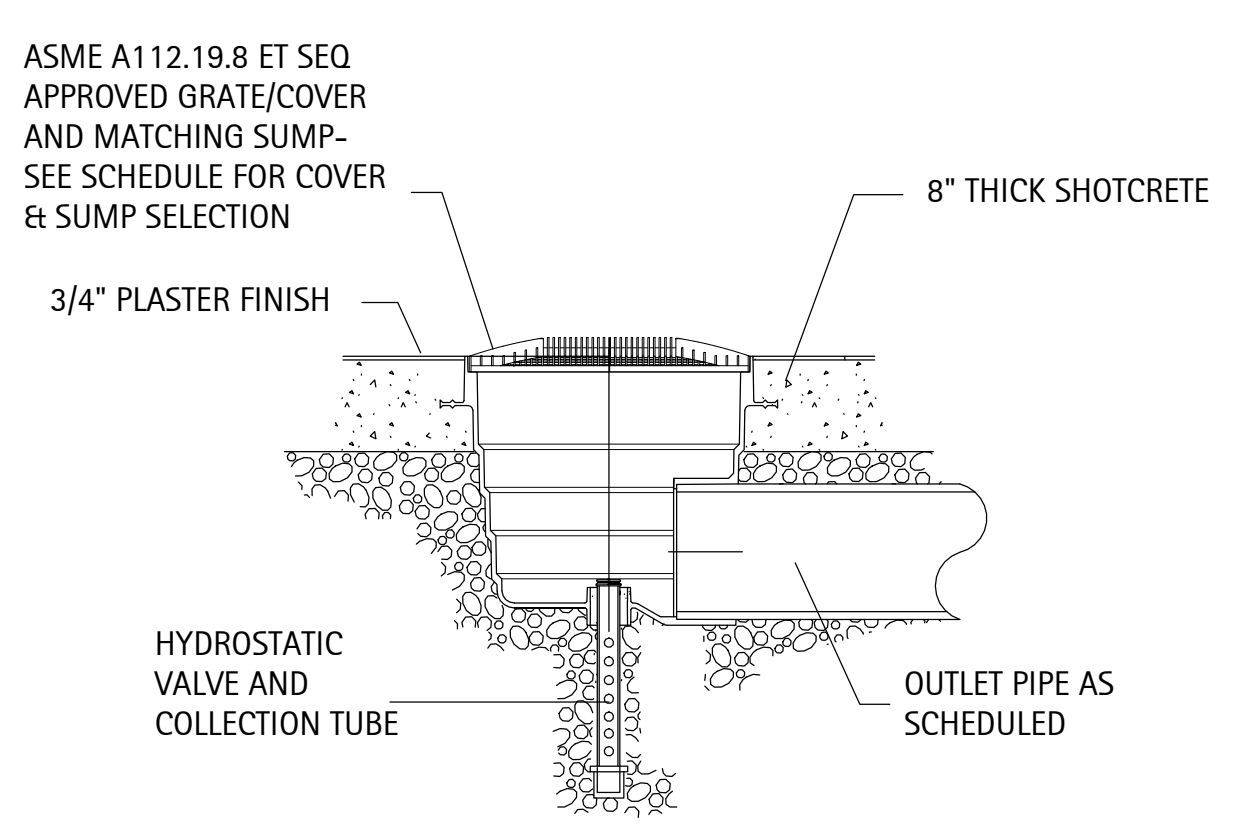
10 Detail - Floor Inlet Pipe
3" = 1'-0"



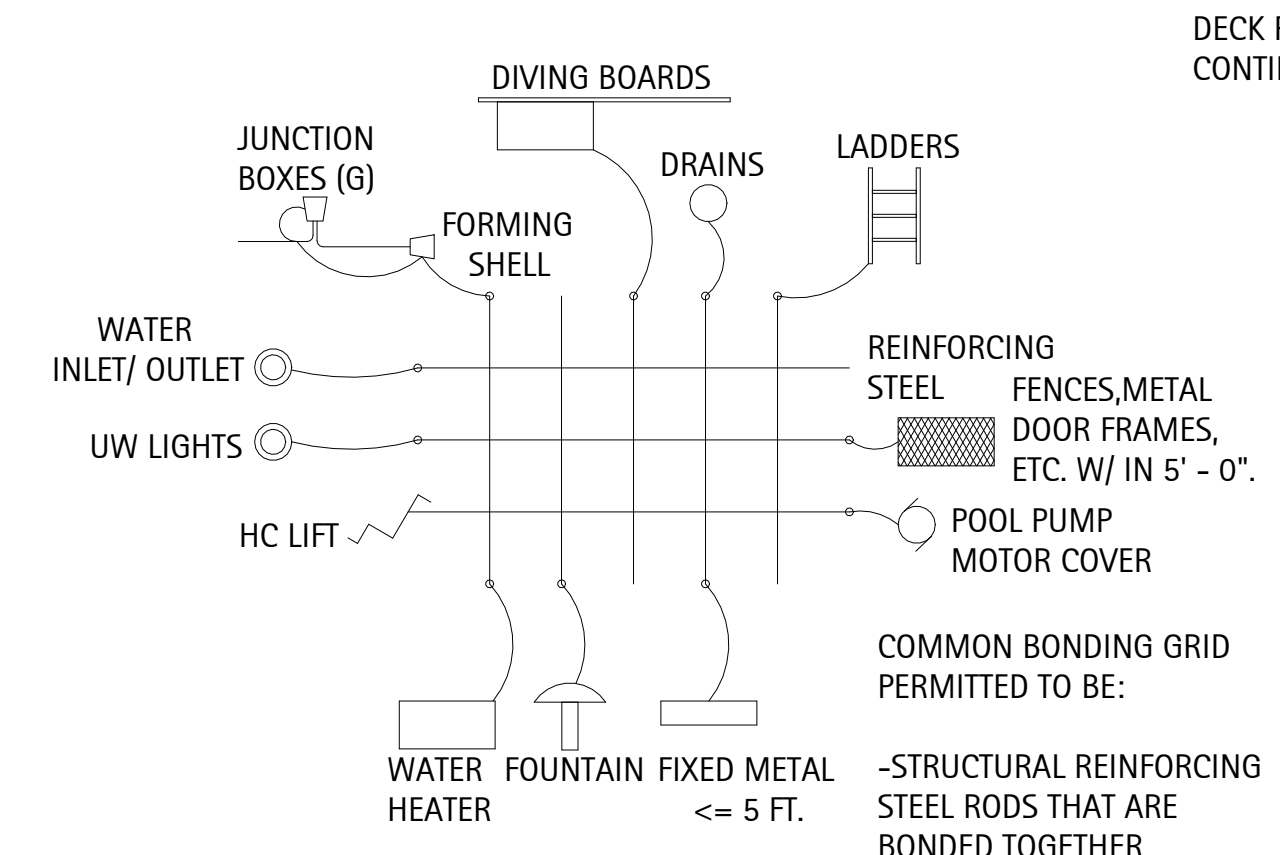
6 Detail - Pool Bonding
1" = 1'-0"



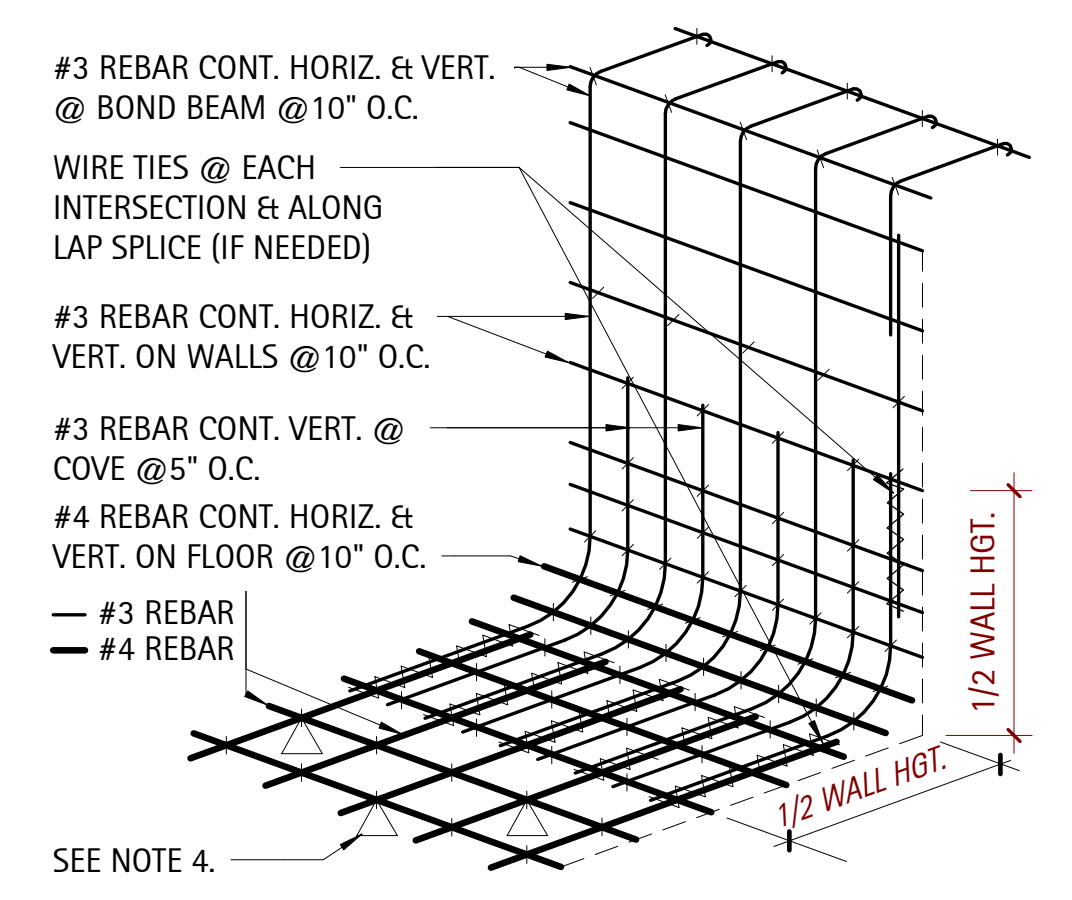
4 Detail - Pool Bench
1" = 1'-0"



5 Detail - Main Drain
1" = 1'-0"



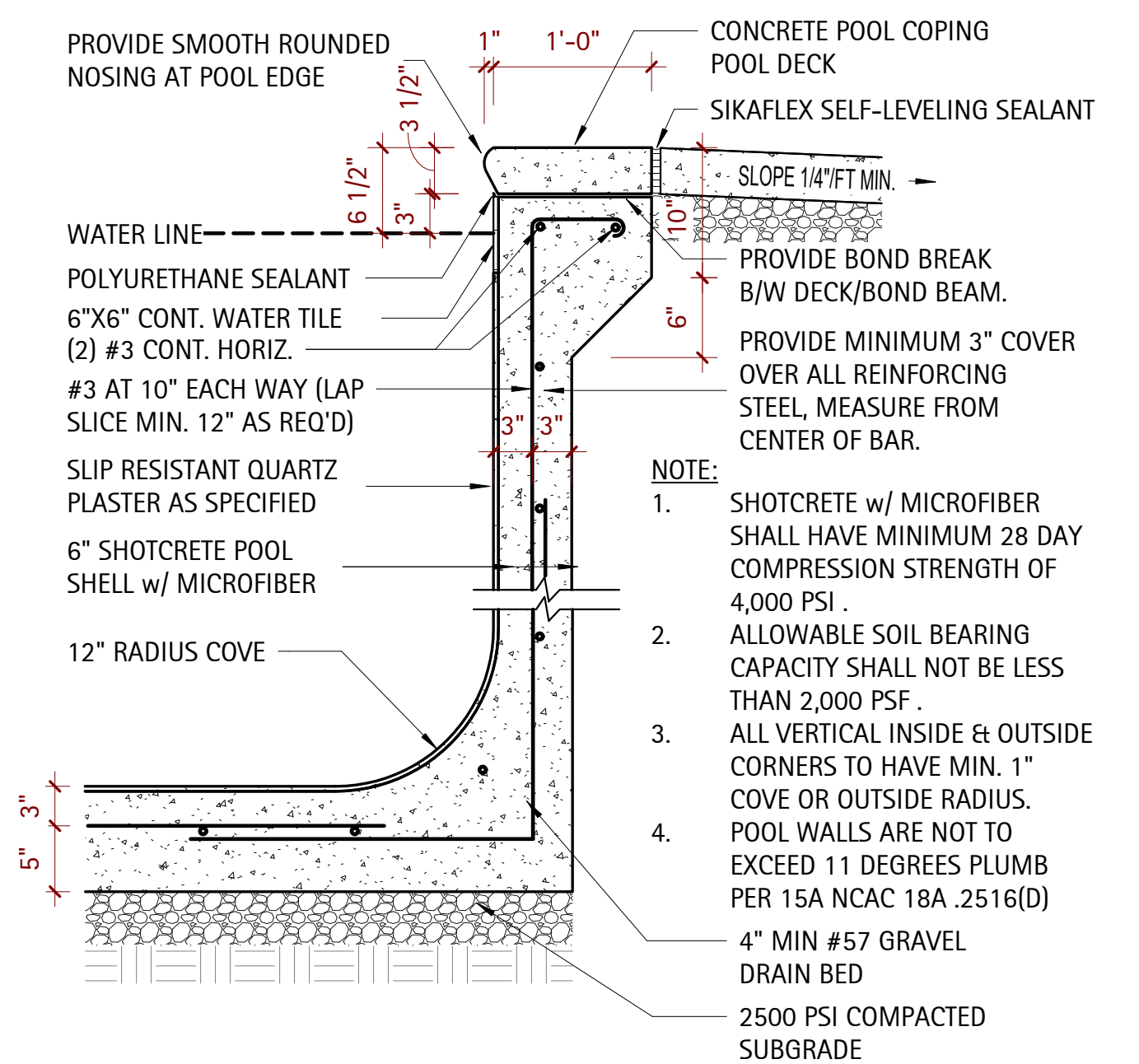
SWIMMING POOL BONDING RISER



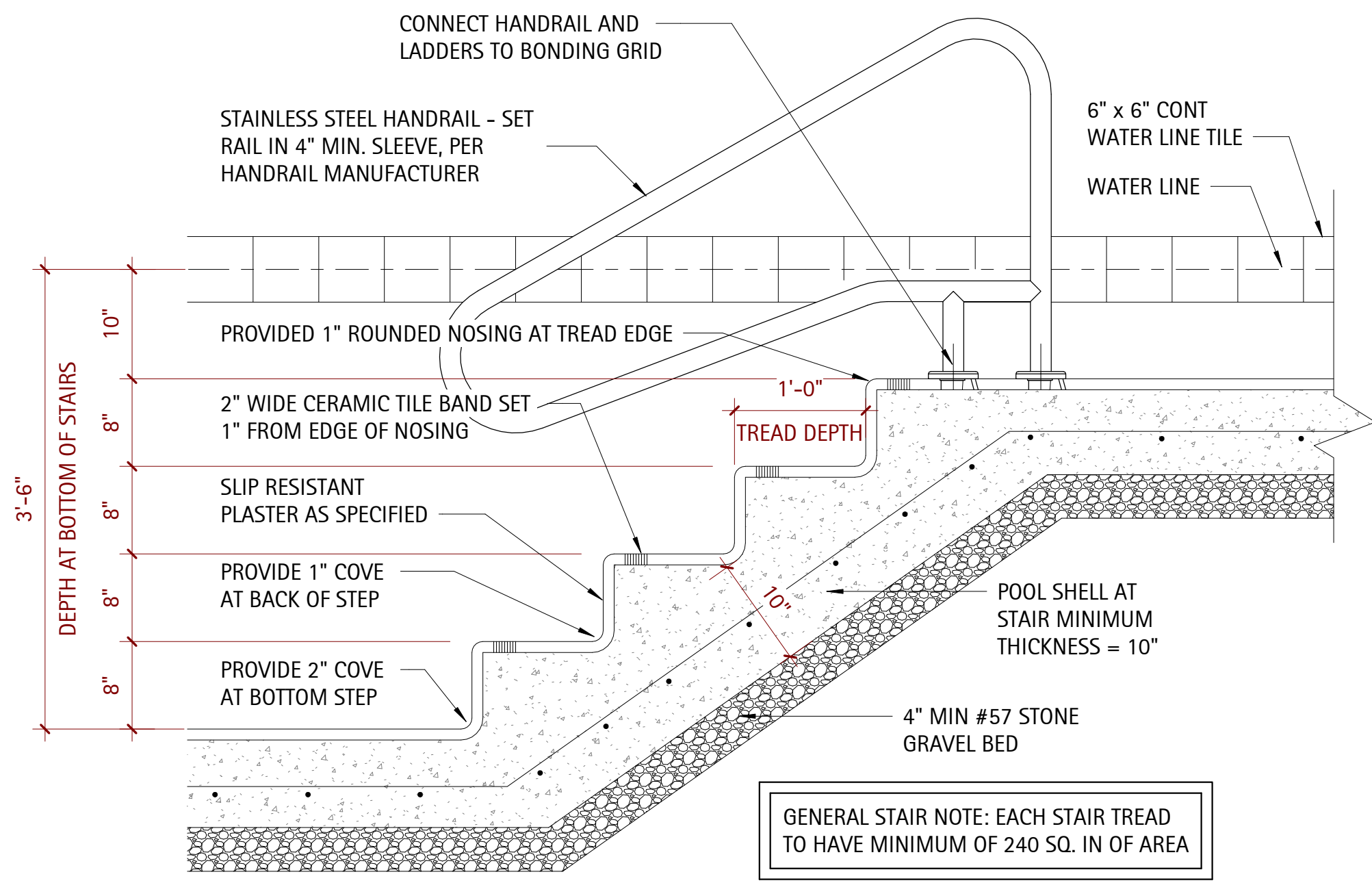
REBAR NOTE:
1. ALL REBAR OVERLAP LENGTHS TO BE 20X DIA OF REBAR.
2. ALL BAR INTERSECTIONS SHALL HAVE WIRES TIES.
3. ALL REINFORCING STEEL SHALL BE GRADE 60.
4. ALL SLAB BOLSTERS - GRIP-RITE 5" X 5FT MANF# SBU5

1 Detail - Pool Bonding
1" = 1'-0"

2 Detail - Pool Wall
1" = 1'-0"



EQUIPOTENTIAL BONDING GRID DETAIL



3 Detail - Pool Shelf Steps
1" = 1'-0"



NO.	REVISION	DATE

SHEET DISCUSSION
POOL SECTIONS & DETAILS

PROJECT #:	2022038
DATE ISSUED:	06/13/2024
DRAWING BY:	JVD
CHECKED BY:	DSC/JLH

**HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC**

FLOW STAR® SKIMMER WITH WATER STOP FACE, FLOAT ASSEMBLY, BASKET, LID AND ADJUSTABLE COLLAR

Built in conformance with NSF 50 and SPS 3 standards

FEATURES
Adjustable collar
New wear stop lock secures the clips in the wear face
Self-contained gasket (gk) water stop on the faceplate to prevent water leaks
Large self-contained basket with lock-in feature (self-removes float)
Underwater damper on the faceplate for noise reduction on wet plate - especially on windy days
Super strong engineered polymer upper housing
Extra heavy duty PVC lower unit (no transitional glue required)
2 1/2" outside dip and 2" inside dip (outside skimmer)
2" threads for pressure testing (inside skimmer)
Built-in overflow or fill line lock out
Upper housing has pre-cut rubber cutouts with gaskets for easy fit
Skimmer Lid and Collar G154 UV treated NSF 50 approved for commercial use, 2" GPM max, 15 GPM max - approved for residential use up to 100 GPM
Seepage 212 for code compliance and using
Optional custom name/logo engraved on the lid (requires minimum 500 pieces lot order)
Seepage 157 for skimmer with clean port 1 per case

Three lid options available (sold separately): round, square or snap-in round/square

Part # SKR1xx For vinyl and fiberglass options, see pages 138-143

STANDARD COLORS
SKR101 - White
SKR102 - Black
SKR103 - Light Gray
SKR104 - Blue
SKR105 - Dark Gray
SKR108 - Tan

Snap-in Round/Square Lid and Collar (sold separately) p/n SKR550xx
Square Lid and Collar (sold separately) p/n SKR60xx
Available without lid and collar SKR101 (white only)

- Skimmer Body
- 2" Port Plug
- Float Assembly
- Basket
- Basket Rod
- Collar
- Lid
- Weir Assembly
- Wear Clip, Qty 2

STANDARD COLORS 01 02 03

39 ProStar # VLK15Txx REPLACES # W400WHP

Safety Vacuum Lock Wall Fitting (1 1/2" NPT)
Part # VLK20Txx (2" NPT)
Meets SPS-4-2009 Standard

40 ProStar # HWN153 REPLACES # AXV574P

Flow Gauge

41 ProStar # HWN158 REPLACES # AXV082

Hose Connector

42 ProStar # SZTHxx REPLACES # V108

4-Foot Regular Hose

43 ProStar # SZTHLxx REPLACES # VS32

4-Foot Leader Hose

44 ProStar # HWN163xx REPLACES # AXV14604

Wing Kit and Pod Shoes

ProStar 9

AQUASTAR pool products
A Safe Drain is No Accident™

2" x 4" GUTTER DECK DRAIN (FITS 2" PIPE)

FEATURES
Fits over 2" pipe
1 1/2" threaded PPT inside for pressurizing/waterproofing
Manufactured from engineered polymer UV-resistant PVC material (p/n GDD101 is manufactured from engineered polymer UV-resistant ABS material)
1 1/2" reducer bushing available p/n BU101-2x1.5
3/4" stackable extender available p/n PE20103
Stainless steel screws
Also available as grate only with two screws
CAUTION: Not to be used as a suction outlet under any circumstances
25 per case
Grate only p/n GDDLxxx
25 per case

Part # GDDxxx

STANDARD COLORS
101 104
102 105
103 108

1. 2" x 4" gutterdeck drain body
2. 2" x 4" gutterdeck drain cover
3. 10 x 3/4 flat head Phillips screw, qty 2

Part # GDD101 - 25 per case
Part # GDD104 - 25 per case
Part # GDD102 - 25 per case
Part # GDD105 - 25 per case
Part # GDD103 - 25 per case
Part # GDD108 - 25 per case

P 877-768-2717 F 877-276-POOL Outside the US: P +1-805-620-5060 F +1-949-336-1940
info@aquastarpoolproducts.com www.aquastarpoolproducts.com

★ PROUDLY MADE ★ IN THE USA

Large Wall Fitting (Fits Inside 2" Pipe)

FEATURES
Fits inside 2" pipe, 1 1/2" PPT in the front face
Large flange camouflages pipe and surface construction variations
See also decorative cover p/n DCxxx to make existing 1022s like new with different colors
Manufactured from engineered polymer UV-resistant ABS material
250 per case
Also available in Clear (p/n ES10225D000)

Part # ES10225D0xx

NEW

Three-Piece Directional Eyeball Fitting 1 1/2" MPT

FEATURES
Screws into 1 1/2" PPT
Manufactured from engineered polymer UV-resistant ABS material
250 per case

Eyeball offset size part #s:
1" - 81xx, 82xx, 83xx, 84xx, 85xx, 86xx
1 1/2" - 81xx, 82xx, 83xx, 84xx, 85xx, 86xx
Also available in clear (p/n 8101, 8200, 8300, 8400)

Part # 81xx, 82xx, 83xx, 84xx

- Directional Return Body, 1 1/2"
- Directional Return Eyeball
- Standard Eyeball Locking Ring

TAG 8 - SKIMMER - SKR101 - WHITE COMMERCIAL GRADE SKIMMER

TAG 9 - VACUUM INLET - VLK15T01 - VACUUM LINE LOCK CAP

TAG 10 - OVERFLOW DRAIN - GDD101 - COMMERCIAL OVERFLOW DRAIN

TAG 11 - RETURN INLET - 8101 - WALL RETURN INLET FITTING

AQUASTAR pool products
A Safe Drain is No Accident™

BUBBLER PLATE

FEATURES
Available in six standard colors
No exposed components
Installs flush with bottom of pool/spa

Part # BPxxx

STANDARD COLORS
101 104
102 105
103 108

1.9" straight pipe thread
11.5 TPI

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AQUASTAR pool products
A Safe Drain is No Accident™

FillStar™ Water Level Control System for Pools and Spas

Durable and reliable

FEATURES
Can be installed alone or with drain/vacuum pool or spa at all times
Easy to install
Overflow protection and adjustable presets
Uses the same size lid and collar as AquaStar skimmers
Includes a 2" to 1 1/2" adapter
3/4" plug included if overflow is not needed
3/4" water supply inlet
Valve is made of high-strength engineered resin
Float is injection-molded; thread is pre-molded
All fittings are made of PVC
No transition glue needed
Float thread is 1/2" MPT
1 per case

Part # AFBxxx Also available float only part # AFBV

STANDARD COLORS
AFB101 - White
AFB102 - Black
AFB103 - Light Gray
AFB104 - Blue
AFB105 - Dark Gray
AFB108 - Tan

Also available without lid and collar p/n AFBNLxxx
Also available cover only p/n SKR10xx

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★ PROUDLY MADE ★ IN THE USA

8/14/2019 GloBrite White LED Lights | Pool Lighting | Pentair

Item #: 602103
Description: GloBrite White LED Light
Voltage: 12
Wattage: 15W
Cord Length (Ft.): 50
Carton Qty.: 1
Carton Wt. (Lbs.): 6

Item #: 602104
Description: GloBrite White LED Light
Voltage: 12
Wattage: 15W
Cord Length (Ft.): 100
Carton Qty.: 1
Carton Wt. (Lbs.): 9

Item #: 602105
Description: GloBrite White LED Light
Voltage: 12
Wattage: 15W
Cord Length (Ft.): 150
Carton Qty.: 1
Carton Wt. (Lbs.): 12

Item #: 620040
Description: Gunite Niche for GloBrite (includes white, blue, grey and tan rings)
Voltage:
Wattage:
Cord Length (Ft.):
Carton Qty.: 1
Carton Wt. (Lbs.): 1.3

Item #: 620039
Description: Vinyl Niche for GloBrite (includes white, blue, and grey rings)
Voltage:
Wattage:
Cord Length (Ft.):
Carton Qty.: 1
Carton Wt. (Lbs.): 1.3

Feedback

https://www.pentair.com/en/products/pool-spa-equipment/pool-lighting/globrite_white_poolandspaledlights.html

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TAG 12 - RETURN INLET - BP101 - FLOOR RETURN INLET W/ BUBBLER PLATE

TAG 13 - AUTOFILL - AFB101 - FILLSTAR AUTOFILL

TAG 14 - LIGHT - 602104 - 190W GLOBRITE WHITE LED LIGHT

TAG 15 - LIGHT - 601107 - 300W INTELLIBRITE WHITE LED LIGHT

INTELLIBRITE® 5G WHITE LED
UNDERWATER LED LIGHTS FOR SWIMMING POOLS AND SPAS

Featured Highlights

- The brightest most energy efficient white LED pool light on the market
- Energy efficient utilizing up to 86% less energy than comparable incandescent lights
- Superior lens geometry and innovative reflector design combine to create a wider beam and more uniform light distribution
- Pool lens can be rotated to 180 degrees to provide wide beam pattern (standard) or narrow beam pattern
- Compatible with Pentair Stainless steel and plastic niches
- Available in 120W and 12V versions
- Available in 300W, 400W, and 500W incandescent equivalencies

Ordering Information for Pool Lights

Product	Voltage	Cord Length (Ft.)	Incandescent Equivalency	Carton Qty.	Carton Wt. (Lbs.)
INTELLIBRITE 5g WHITE POOL LIGHTS - 300 WATT EQUIVALENT, 120 VOLT					
601100	120V	30 Ft.	300W Equivalency	1	1
601101	120V	50 Ft.	300W Equivalency	1	1
601102	120V	100 Ft.	300W Equivalency	1	1
601103	120V	150 Ft.	300W Equivalency	1	1
601104	120V	250 Ft.	300W Equivalency	1	1
INTELLIBRITE 5g WHITE POOL LIGHTS - 300 WATT EQUIVALENT, 12 VOLT					
601105	12V	30 Ft.	300W Equivalency	1	1
601106	12V	50 Ft.	300W Equivalency	1	1
601107	12V	100 Ft.	300W Equivalency	1	1
601108	12V	150 Ft.	300W Equivalency	1	1
INTELLIBRITE 5g WHITE POOL LIGHTS - 400W WATT EQUIVALENT, 120 VOLT					
601200	120V	30 Ft.	400W Equivalency	1	1
601201	120V	50 Ft.	400W Equivalency	1	1
601202	120V	100 Ft.	400W Equivalency	1	1
601203	120V	150 Ft.	400W Equivalency	1	1
601204	120V	250 Ft.	400W Equivalency	1	1
INTELLIBRITE 5g WHITE POOL LIGHTS - 400W WATT EQUIVALENT, 12 VOLT					
601205	12V	30 Ft.	400W Equivalency	1	1
601206	12V	50 Ft.	400W Equivalency	1	1
601207	12V	100 Ft.	400W Equivalency	1	1
601208	12V	150 Ft.	400W Equivalency	1	1
INTELLIBRITE 5g WHITE POOL LIGHTS - 500 WATT EQUIVALENT, 120 VOLT					
601300	120V	30 Ft.	500W Equivalency	1	1
601301	120V	50 Ft.	500W Equivalency	1	1
601302	120V	100 Ft.	500W Equivalency	1	1
601303	120V	150 Ft.	500W Equivalency	1	1
601304	120V	250 Ft.	500W Equivalency	1	1
INTELLIBRITE 5g WHITE POOL LIGHTS - 500 WATT EQUIVALENT, 12 VOLT					
601305	12V	30 Ft.	500W Equivalency	1	1
601306	12V	50 Ft.	500W Equivalency	1	1
601307	12V	100 Ft.	500W Equivalency	1	1
601308	12V	150 Ft.	500W Equivalency	1	1

Please refer to page 117 for CSA listed IntelliBrite Pool Lights.

LISTED

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D. CLUGSTON

QR Code

Professional Engineer
No. 048012
Exp. 12/31/2024

Kilian Engineering, Inc.
PO Box 43301, Healdston, NC 27536 | www.kilianengineering.com
(919) 524-4368/8778 | CORPORATE LICENSE C-2277

DATE

REVISION

NO.

SHEET DISCUSSION

POOL SPECIFICATIONS

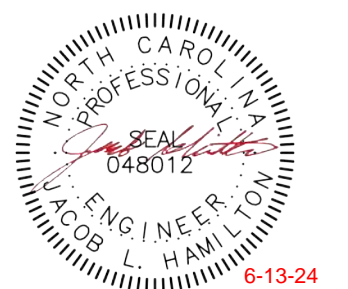
PROJECT #: 2022038
DATE ISSUED: 06/13/2024
DRAWING BY: JVD
CHECKED BY: DSC/JLH

**HONEYCUTT OAKS
DR HORTON
BATHHOUSE & POOL
ANGIER, NC**

SP5.1



D. CLUGSTON



Kilian Engineering, Inc. PO Box 3301, Healdston, NC 27538 | www.kilianengineering.com

DATE: REVISION: NO.

SHEET DIScription POOL SPECIFICATIONS

PROJECT #: 2022038 DATE ISSUED: 06/13/2024 DRAWING BY: JVD CHECKED BY: DSC/JLH

HONEYCUTT OAKS DR HORTON BATHHOUSE & POOL ANGIER, NC

SP5.2

Hand & Stair Rails section including DMS-102 product description, technical data table, and SRSmith logo.

Junction Box - 4 Light Connection Pool & Spa Junction Box section including product description, features, applications, and technical data table.

TAG 17 - HANDRAIL - DMS-102B-MG - MARINE GRADE DECK MOUNTED HANDRAILS

TAG 16 - JUNCTION BOX - PJB4175 - 4 LIGHT CONNECTION POOL & SPA JUNCTION BOX

multilift™ section including product description, ADA COMPLIANT badge, parts & accessories list, and technical data table.

Standard Plus Ladder section including product description, technical data table, and SRSmith logo.

TAG HC - ADA LIFT - MULTILIFT - ADA COMPLIANT MULTI-LIFT

TAG 18 - HANDRAIL - 10054-MG - MARINE GRADE DECK MOUNTED COMMERCIAL LADDER