



CAMP AGAPE POOL BLDG



Architect:
Wilkinson Design, PLLC

Structural Engineer:
MARK S. ROY, P.E.

PM&E Engineer:
WILLIAM H. CLARK JR., P.E.

RENOVATION / ADDITION TO POOL BUILDING FOR:

RENOVATION / ADDITION TO POOL

CAMP AGAPE

369 TYLER DEWAR LN
FLEQUAY-VARINA NC 27526

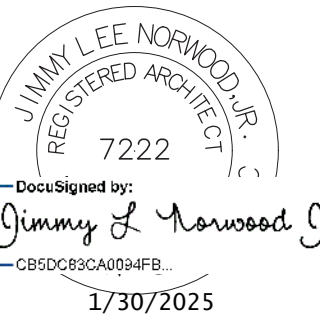
PROJECT NUMBER
224215

DATE
JANUARY 28, 2025

REVISIONS

TITLE SHEET

T001



RENOVATION / ADDITION TO POOL BUILDING FOR:

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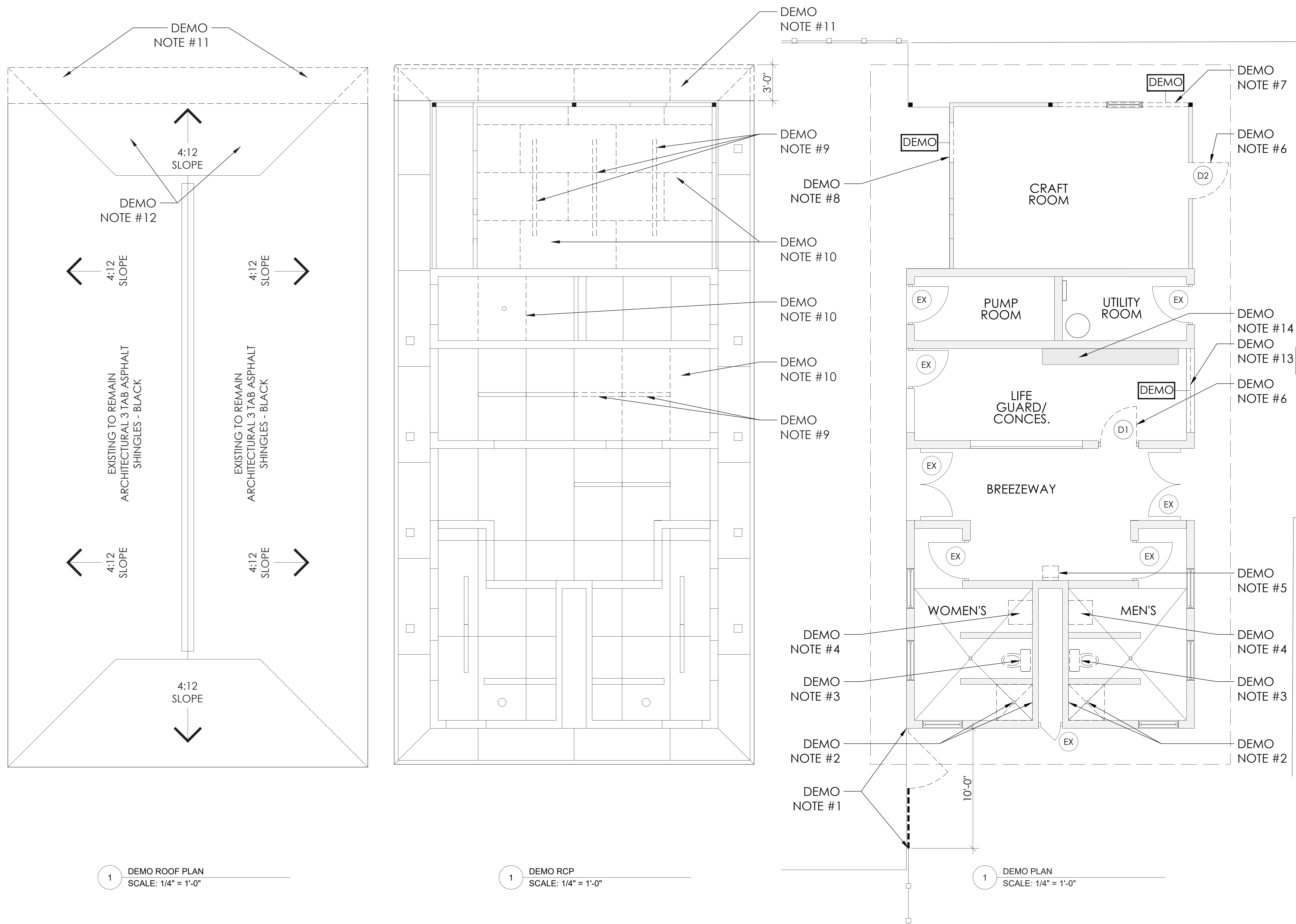
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REVISIONS

DEMO PLAN

A101



1. REMOVE SECTION OF GATE AND FENCE, SEE FLOOR PLAN FOR NEW GATE CONFIGURATION
2. REMOVE SHOWER WALL FIXTURES, GC TO REMOVE OR ABANDON EXISTING SHOWER DRAIN UNDER NEW TOILET. SEE PLUMBING DWGS
3. REPLACE EXISTING TOILET WITH NEW FIXTURE SEE PLUMBING DWGS
4. REPLACE EXISTING SINK WITH NEW FIXTURE
5. REMOVE EXISTING WALL FOUNTAIN AND PREP WALL AND PLUMBING FOR NEW WATER COOLER
6. REMOVE DOOR AND FRAME AND PREP WALL OPENING FOR NEW DOOR AND JAMB.
7. REMOVAL OF WALL AND WINDOW, GC TO EVALUATE FRAMING INSIDE THE WALL TO INSTALL NEW STUD FRAMING FOR NEW CASED OPENING
8. REMOVE SECTION OF WALL FOR NEW DOOR AND FRAME OPENING INTO NEW PUMP ROOM
9. REMOVE EXISTING LIGHT FIXTURE AND WIRE ASSOCIATED WITH THE SPECIFIC DEVICE. SEE ELECTRICAL DWGS
10. REMOVE EXISTING CEILING MATERIAL AND PREP FOR NEW MATERIAL, SEE RCP
11. DEMO EXISTING SOFFIT AND INSTALL NEW FASCIA BOARD WHERE EXPOSED WITH NEW ADDITION FRAMING
12. REMOVE EXISTING SHINGLES AND ROOFING FABRIC DOWN TO THE ROOF SHEATHING.
13. REMOVE EXISTING OPENING HATCH AND PREP OPENING FOR NEW INFILL STUD FRAMING WITH PERIMETER ADHESIVE TAPE FLASHING
14. CUT CONCRETE FOR NEW PLUMBING, SEE PLUMBING DRAWINGS

 DOOR/FRAME LOCATION TYPICAL
 4" WALL OFFSET FROM FACE OF
 STUD TO DOOR OPENING @ HINGE
 SIDE OF DOOR UNLESS OTHERWISE
 NOTED - SEE DOOR SCHEDULE

 DOOR AND FRAME TO BE REMOVED
 DURING DEMO PHASE

 VINYL WINDOWS - ELEVATIONS ON
 A600

 ALIGN FINISH MATERIALS

 WALL MOUNTED FIRE-EXTINGUISHER
 GC TO COORDINATE FINAL
 LOCATION IN FIELD W/ FIRE
 MARSHALL.

 SYMBOL DESIGNATES PHOTO
 LOCATION FOR DEMO PLANS

"EX" DENOTES EXISTING TO REMAIN,
 REFERENCE FINISH PLAN FOR NEW
 FINISHES

DEMO

DEMO WALL: WALL TO BE REMOVED DURING DEMO PHASE OF CONSTRUCTION.

W1

NEW EXTERIOR WALL: 1/2" GYP PAINTED OVER 3 1/2" WOOD STUD W/ R-15 BATT INSULATION WITH EXTERIOR SHEATHING, SEE EXTERIOR ELEVATIONS FOR FINISH MATERIAL

W2

NEW EXTERIOR WALL: 1/2" GYP PAINTED ON BOTH SIDES OVER 3 1/2" WOOD STUD , SEE FINISH PLAN

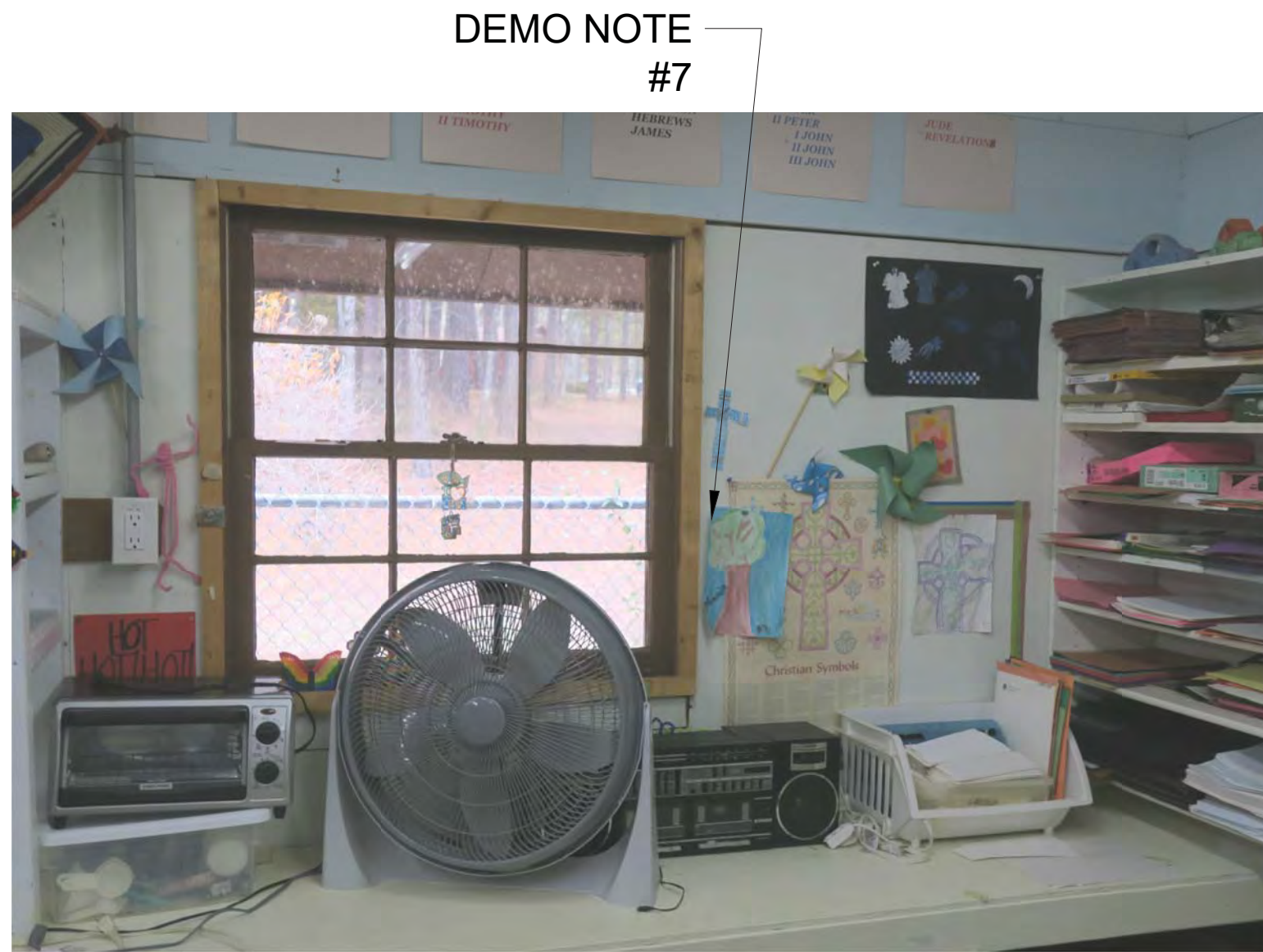
EX

EXISTING WALL: EXISTING WALL TO REMAIN DURING CONSTRUCTION. NEW FINISH BASED ON FINISH PLAN

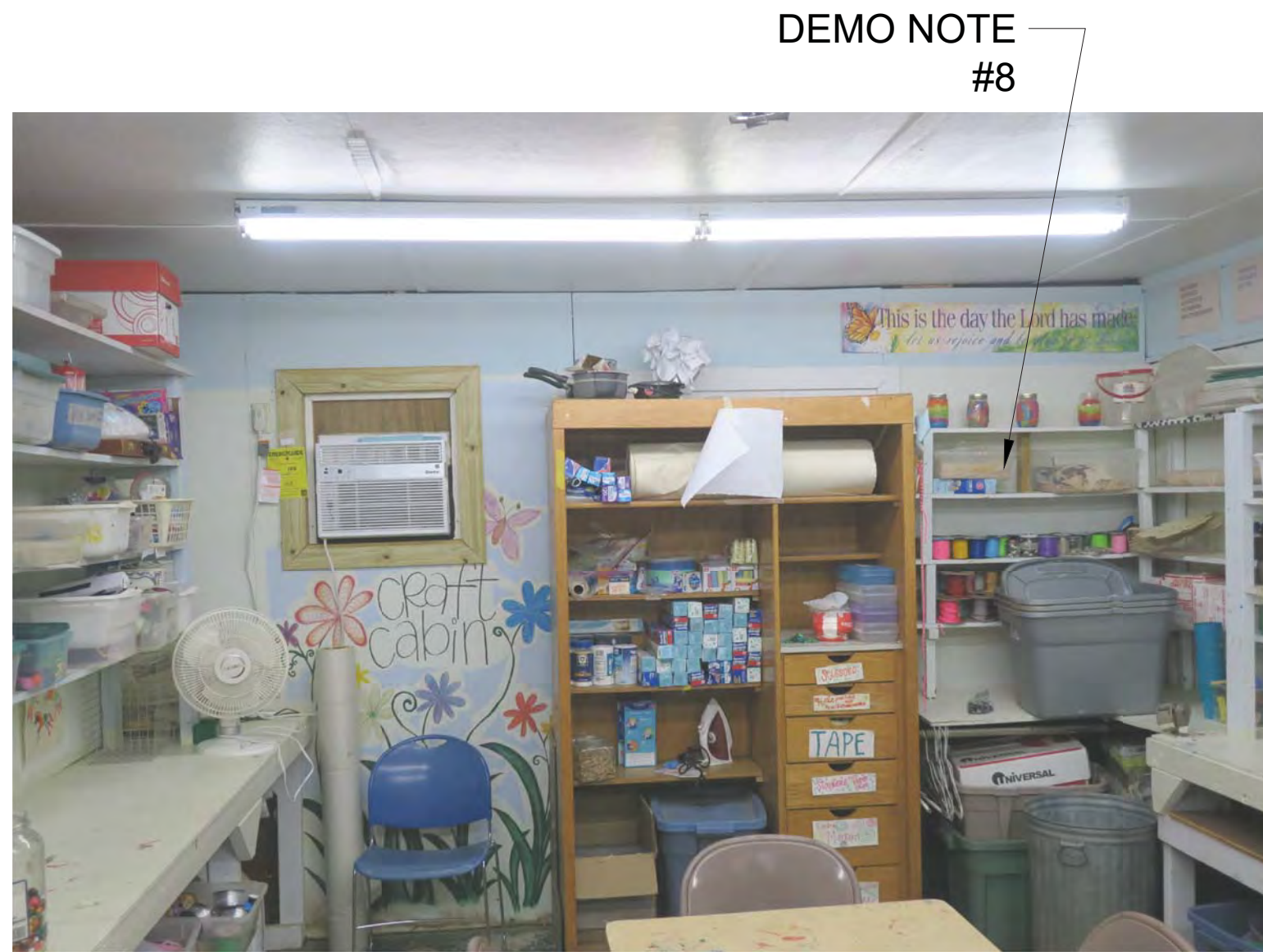
RATED WALL: 2-HOUR SEPARATION PER UL LISTING U301 / U905



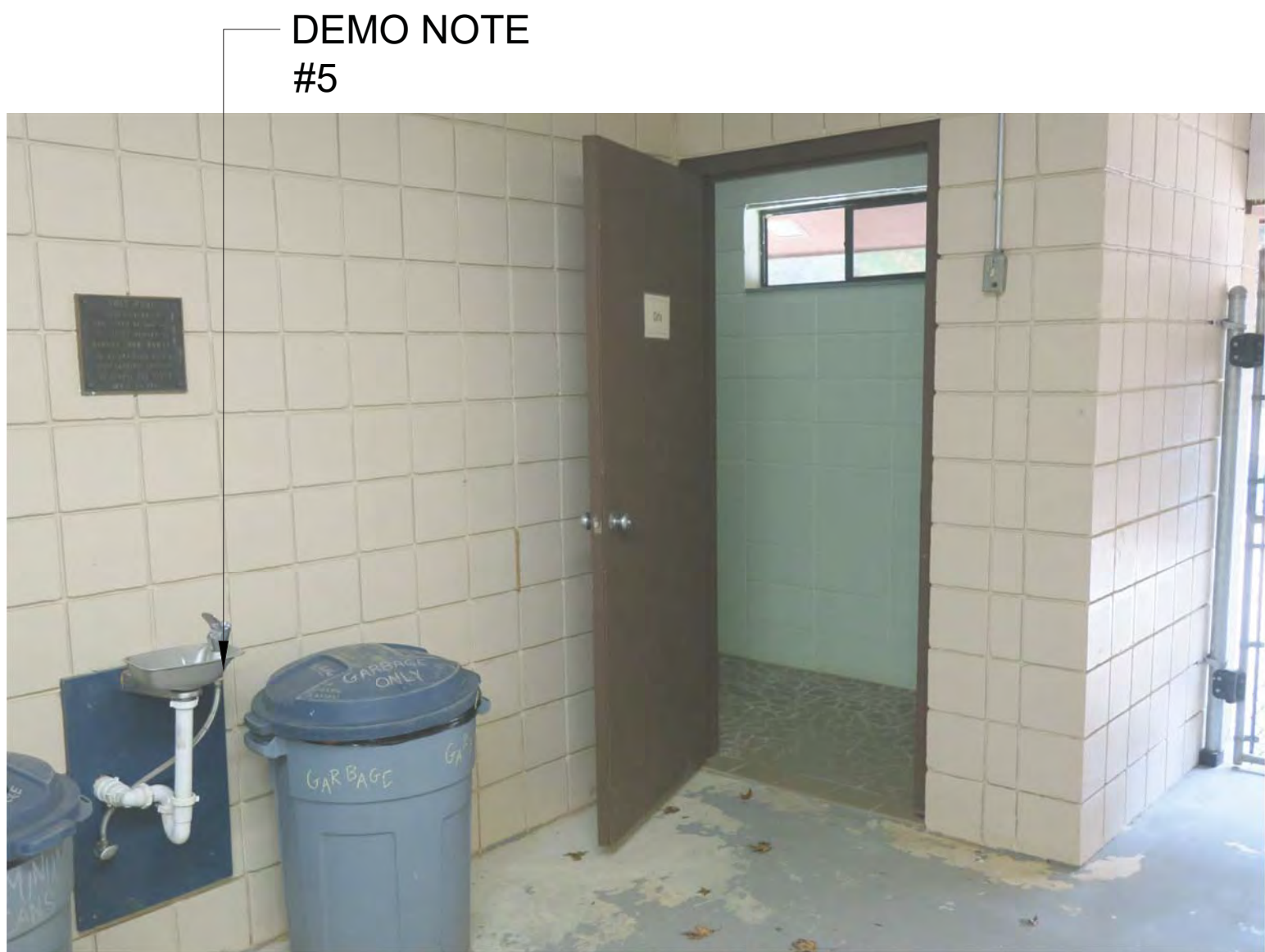
DEMO NOTE
#13



DEMO NOTE
#7



DEMO NOTE
#8



DEMO NOTE
#5



DEMO NOTE
#1



DEMO NOTE
#11

DEMO NOTE
#12

DEMO NOTE
#8



DEMO NOTE
#2



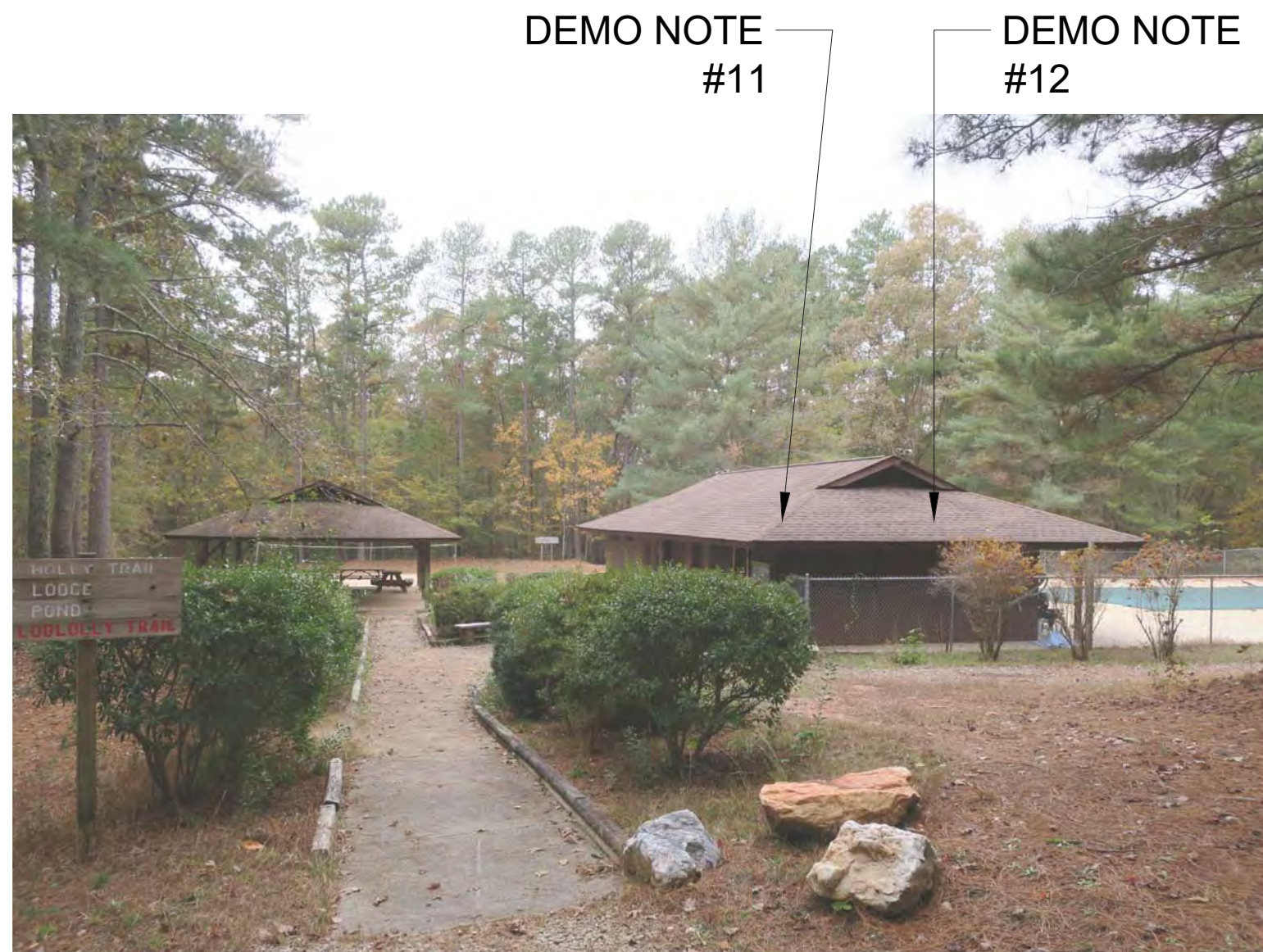
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#8

DEMO NOTE
#11



DEMO NOTE
#11

DEMO NOTE
#12

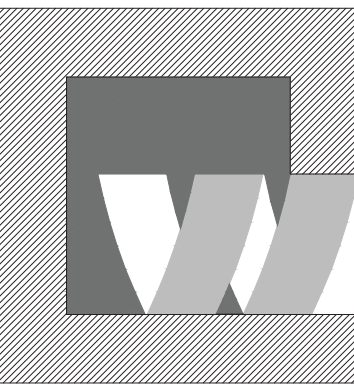


DEMO NOTE
#11

DEMO NOTE
#12

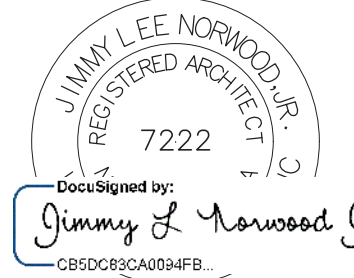
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14. CUT CONCRETE FOR NEW PLUMBING, SEE PLUMBING DRAWINGS



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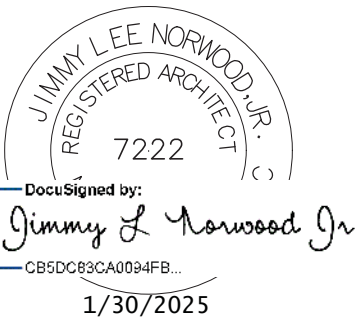
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REVISIONS

DEMO
PHOTOS

A101a



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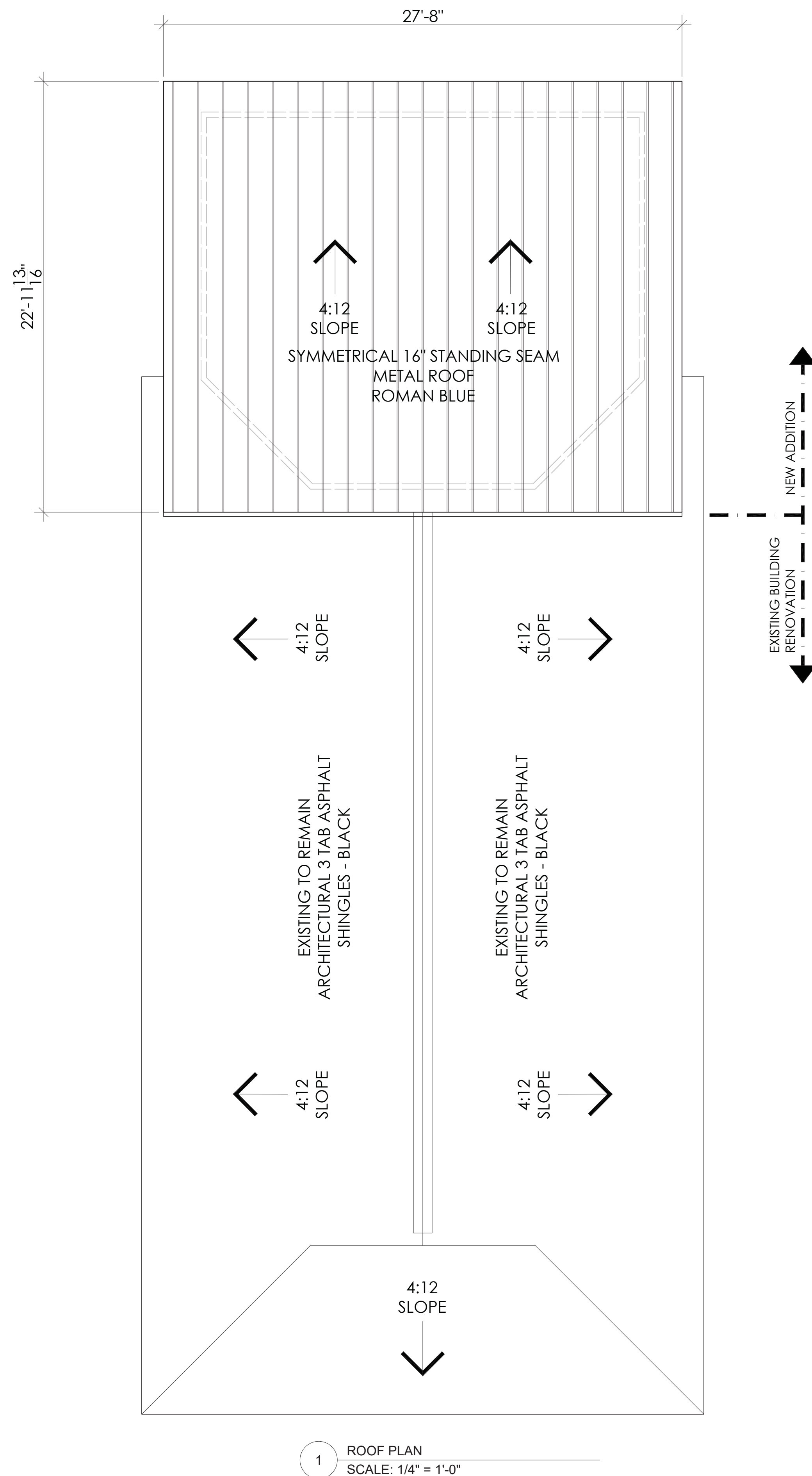
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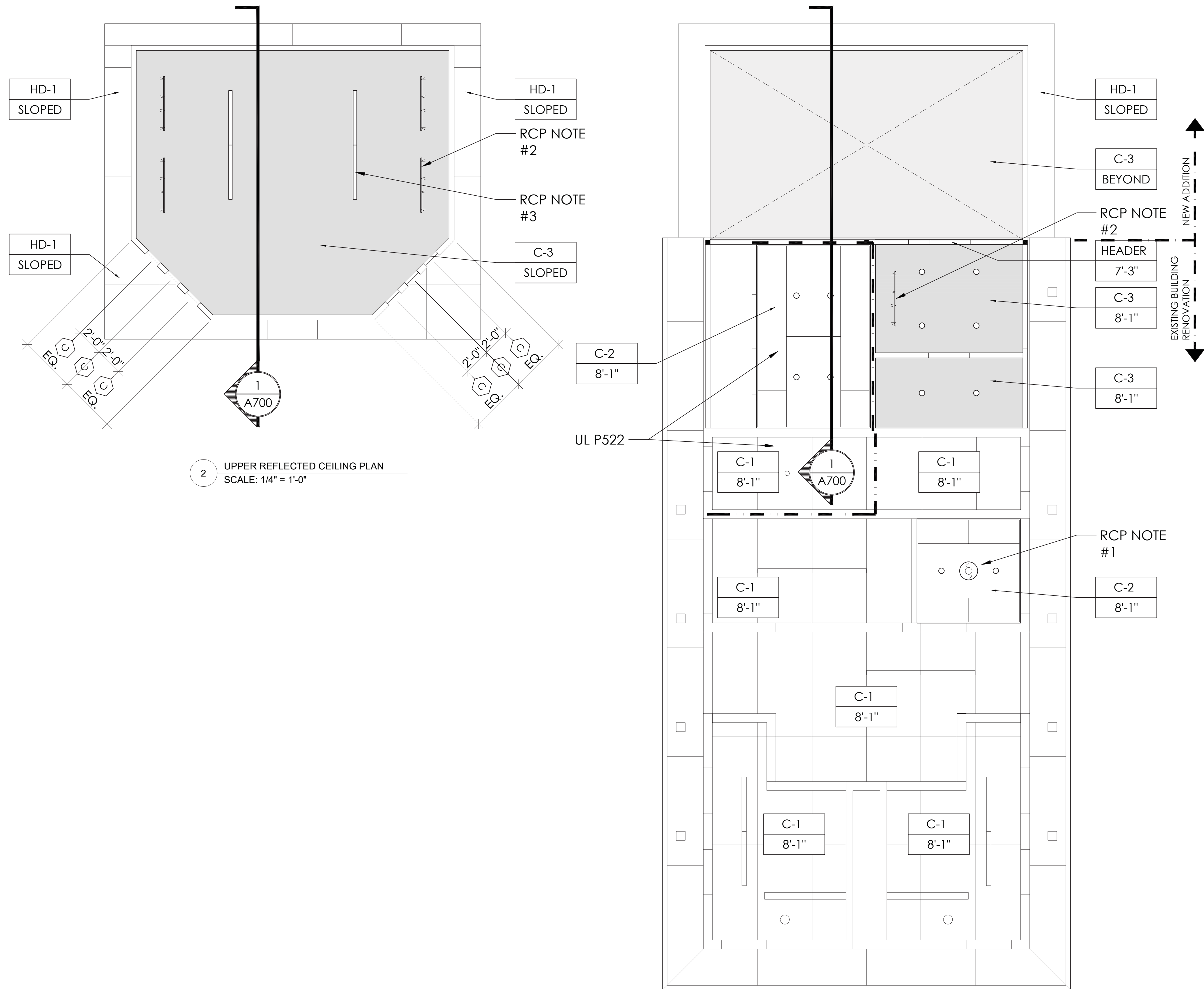
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REVISIONS

ROOF
PLAN

A200



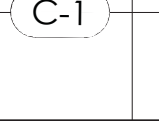
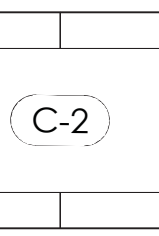
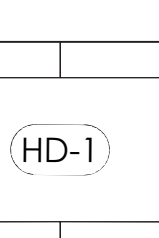


1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

RCP NOTES:

1. NEW EXHAUST FAN CUT INTO CEILING AND INSTALLED THROUGH ROOF WITH FLASHING SEE ENGINEERING DWGS
2. TRACK LIGHTING FIXTURE INSTALLED 18" AWAY FROM THE WALL FOR SPOT LIGHTING ONTO FUTURE ART WORK DISPLAY - SEE ELECTRICAL DWGS
3. SUSPENDED LIGHT FIXTURES TO BE INSTALLED 8'-6" ABOVE FINISH FLOOR, CENTERED ON WINDOWS AND DESKS. SEE ELECTRICAL DWGS
4. ALL CEILINGS TO BE PAINTED P-3 U.N.O.

CEILING LEGEND:

	PRODUCT: EXISTING TO REMAIN PLYWOOD 1/2" WITH TRIM MOLDING TO MATCH EXISTING REPAINT P-3
COLOR: SIZE: 4'x8'	
	PRODUCT: NEW A/C PLYWOOD 1/2" WITH TRIM MOLDING TO MATCH EXISTING PAINT P-3
COLOR: SIZE: 4'x8'	
	PRODUCT: GYP BOARD
	MANUF.: USG OR EQUAL COLOR: PAINT P-3 (NO CEILING TRIM MOLDING, MUD/TAPE JOINTS)
	PRODUCT: (HD-1) HARDIE SMOOTH BOARD (SOFFIT)
MANUF.: JAMES HARDIE	COLOR: PAINT P-4 SIZE: 4'x8'

WALL ASSEMBLY LEGEND

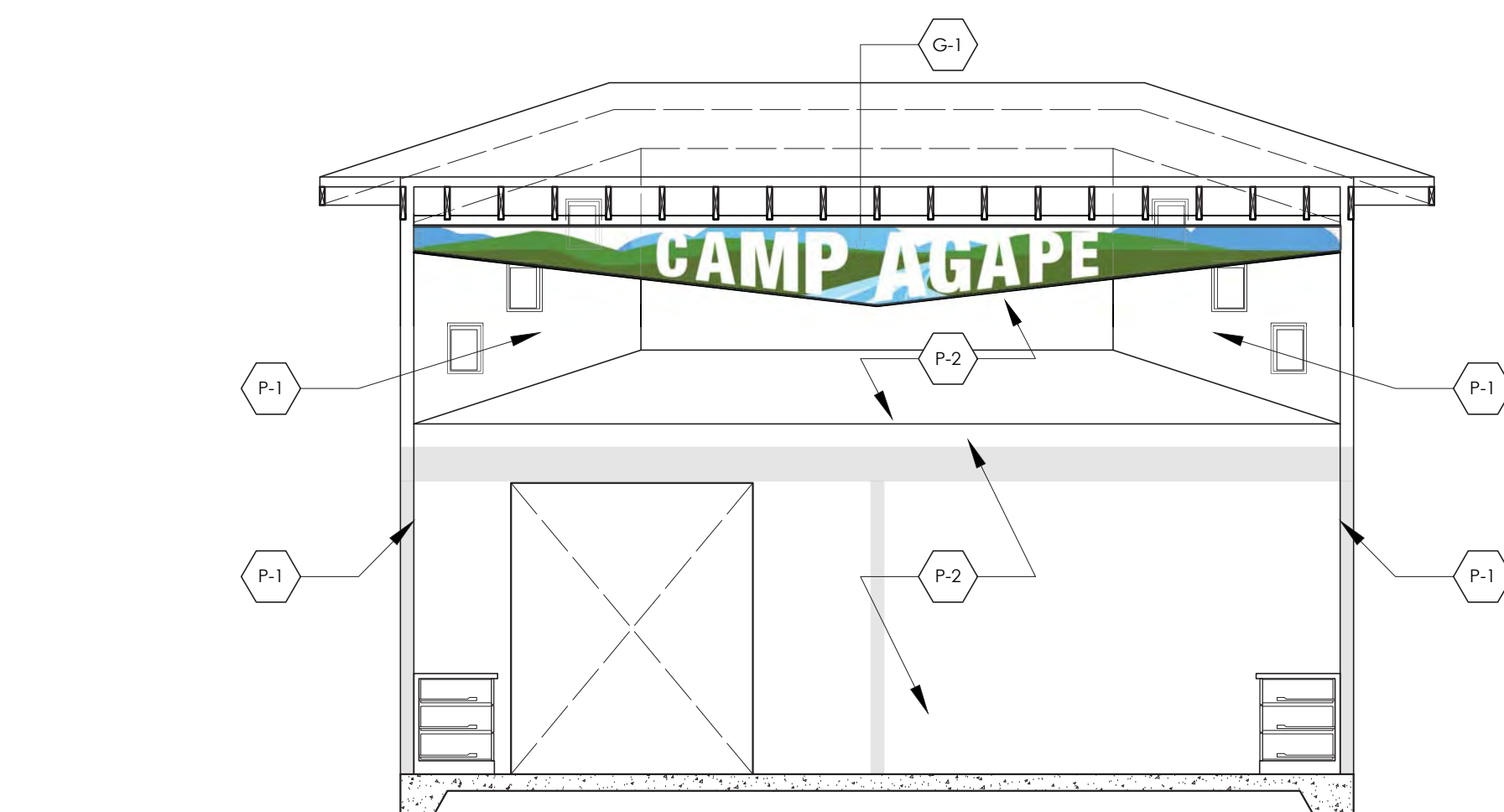
DEMO WALL: WALL TO BE REMOVED DURING DEMO PHASE OF CONSTRUCTION.

NEW EXTERIOR WALL: 1/2" GYP PAINTED OVER 3 1/2" WOOD STUD W/ R-15 BATT INSULATION WITH EXTERIOR SHEATHING. SEE EXTERIOR ELEVATIONS FOR FINISH MATERIAL

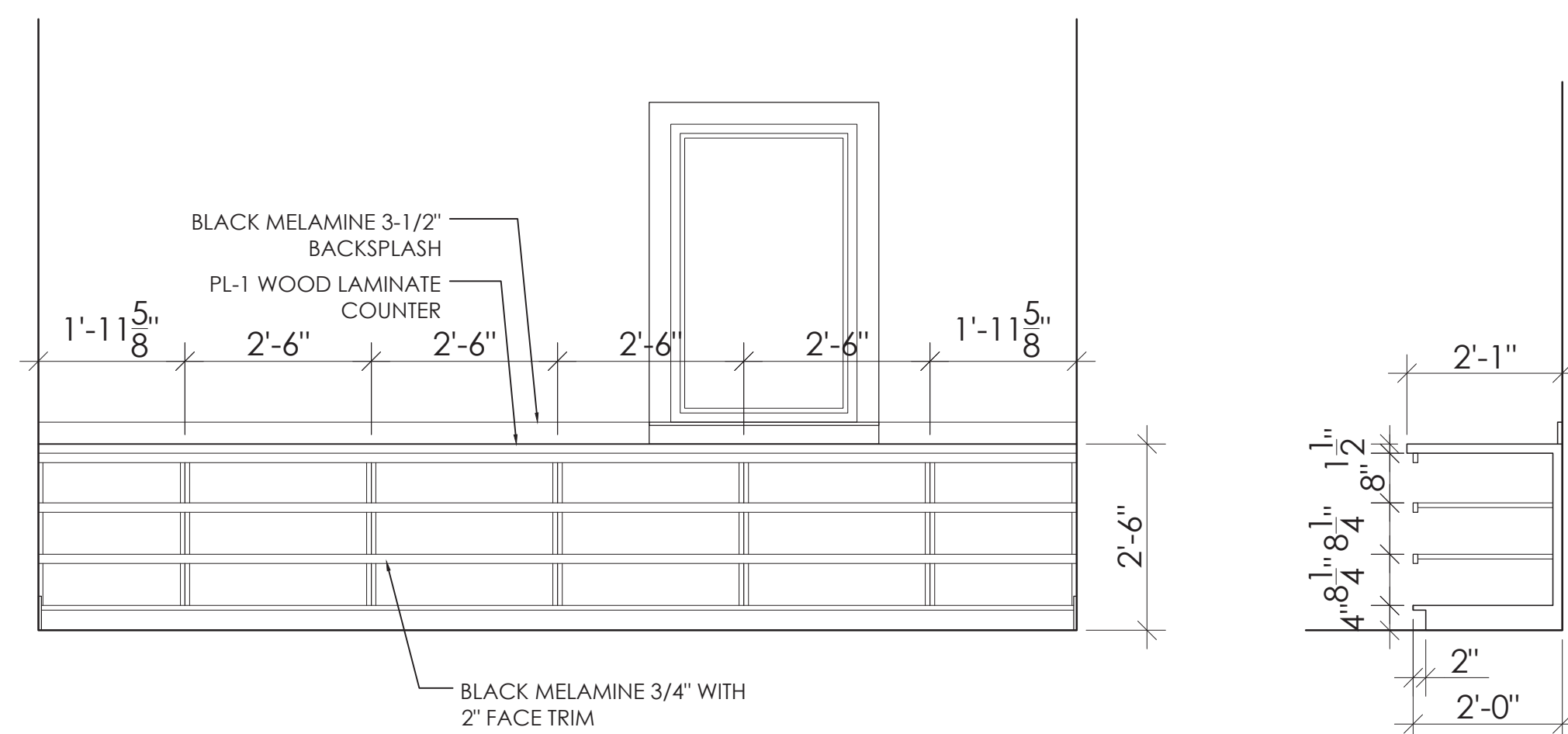
NEW EXTERIOR WALL: 1/2" GYP PAINTED ON BOTH SIDES OVER 1 1/2" WOOD STUD , SEE FINISH PLAN

EXISTING WALL: EXISTING WALL TO REMAIN DURING CONSTRUCTION. NEW FINISH BASED ON FINISH PLAN

RATED WALL: 2-HOUR SEPARATION PER UL LISTING U301 / U905

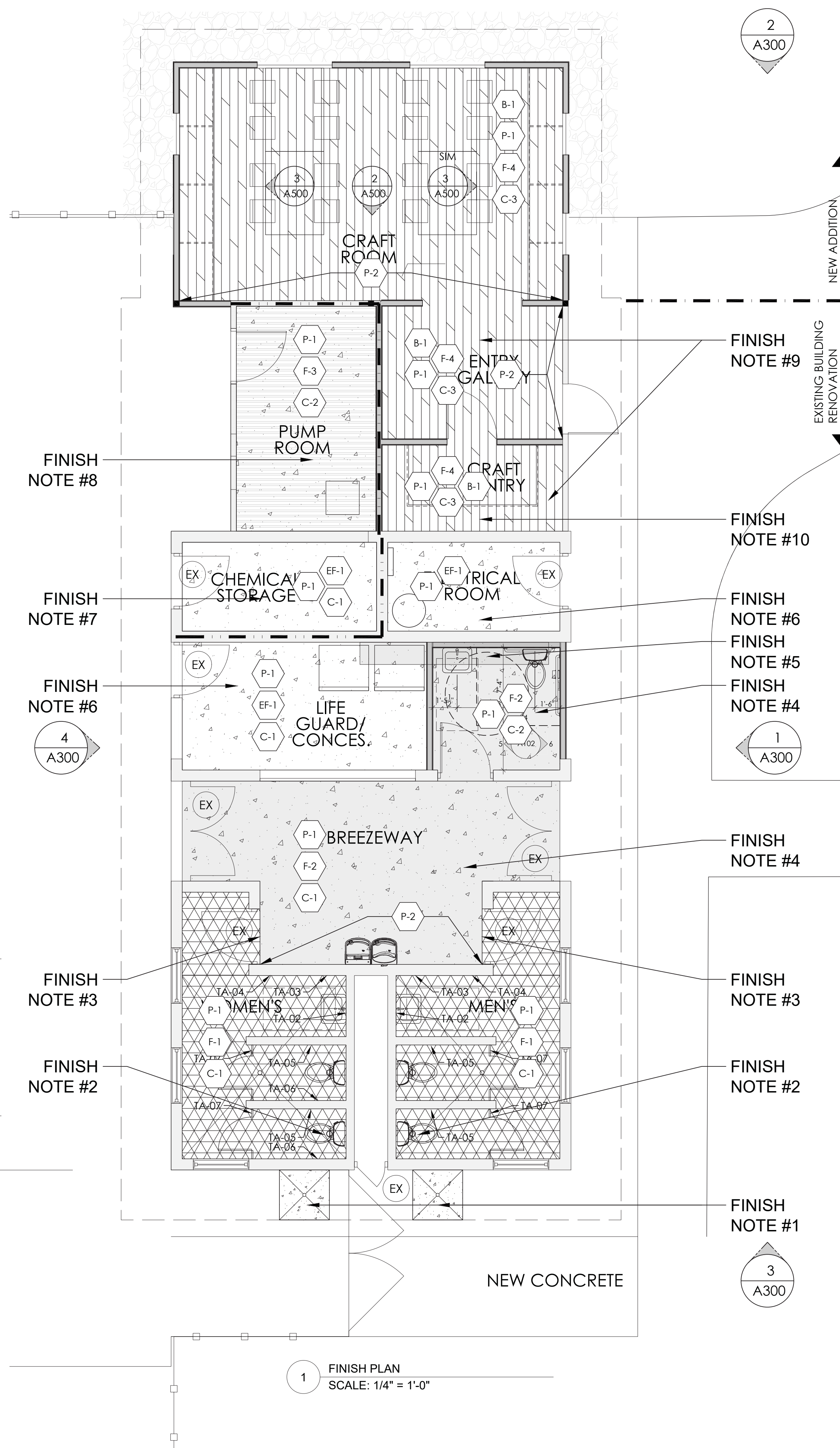


2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION - CASEWORK
SCALE: 1/2" = 1'-0"

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



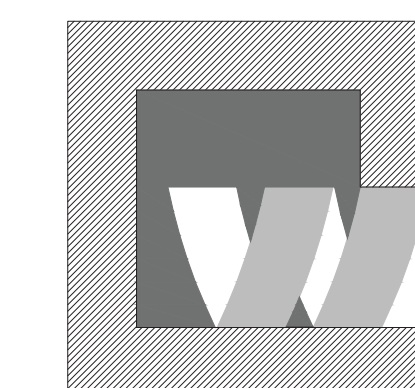
1 FINISH PLAN
SCALE: 1/4" = 1'-0"

FINISH NOTES:

1. CUT EXISTING CONCRETE TO PLACE NEW CONCRETE SLOPED TO CENTER DRAIN, SEE PLUMBING DRAWINGS.
2. REMOVE EXISTING SHOWER RECEPTACLES, PATCH HOLES WITH GROUT AND PREP FOR REPAINTING.
3. PAINT TRANSITION BETWEEN TWO FLOOR MATERIALS AT DOOR THRESHOLD.
4. REPAINT EXISTING CONCRETE SLAB AFTER PREPPING ENTIRE AREA
5. NEW CONCRETE IN PLUMBING TRENCH
6. EXISTING CONCRETE SLAB TO REMAIN, GC TO GIVE PRICE TO OWNER FOR NEW FINISH PAINT.
7. PATCH EXISTING PUMP STUB UPS AND SLAB CUTS WITH CONCRETE
8. NEW CONCRETE IN AREAS WHERE EXITING CONCRETE IS CUT FOR POOL EQUIPMENT INSTALL.
9. LVP TO HAVE SOUND MATT BETWEEN CONCRETE SLAB
10. NEW 5 ADJUSTABLE SHELVES WITH BLACK MELAMINE WITH FINISHED EDGE

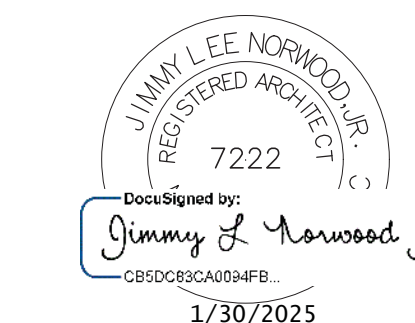
FINISH LEGEND

	PRODUCT: EXISTING CONCRETE FLOOR TO REMAIN
	PRODUCT: EXISTING CRACKED TILE FLOOR TO REMAIN - PATCHED WITH CONCRETE WHERE NEW PLUMBING FIXTURES REQUIRE
	PRODUCT: EXISTING SMOOTH CONCRETE PAINTED WITH EPOXY PAINT COLOR: P-x
	PRODUCT: NEW CONCRETE IN AREAS WHERE PUMP PLUMBING REQUIRES TO BE CUT FINISH: BRUSHED FINISHED
	PRODUCT: LUXURY VINYL TILE MANUF.: MATTER SURFACES COLOR: CRAFTED OAK FINISH: WINEO PURLINE LVT, WOOD XL SIZE: 10' W X 59' L SUPPLIER: MATS INC. CONTACT: MARK SADAUSKAS- 781-573-0216 OTHER: MSADAUSKAS@MATSINC.COM
PL-1	PRODUCT: PLASTIC LAMINATE MANUF.: WILSONART COLOR: 7996-39 NATURAL RECON FINISH: FINE VELVET
P-1	PRODUCT: WALL PAINT MANUF.: SHERWIN WILLIAMS COLOR: XXXXX FINISH: -- TYPICAL WALL THROUGHOUT U.N.O.
P-2	PRODUCT: WALL PAINT MANUF.: SHERWIN WILLIAMS COLOR: XXXXX FINISH: --
P-3	PRODUCT: WALL PAINT MANUF.: SHERWIN WILLIAMS COLOR: XXXXX FINISH: --
P-4	PRODUCT: WALL PAINT MANUF.: SHERWIN WILLIAMS COLOR: XXXXX FINISH: --
B-1	PRODUCT: WOOD FLOOR BASE MANUF.: 1"x6" PRIMED PAINTED COLOR: P-1 FINISH: --
G-1	PRODUCT: VINYL GRAPHIC MANUF.: SEE ENLARGED GRAPHIC COLOR: A500 FINISH: A500



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1369 TYLER DEWAR LN
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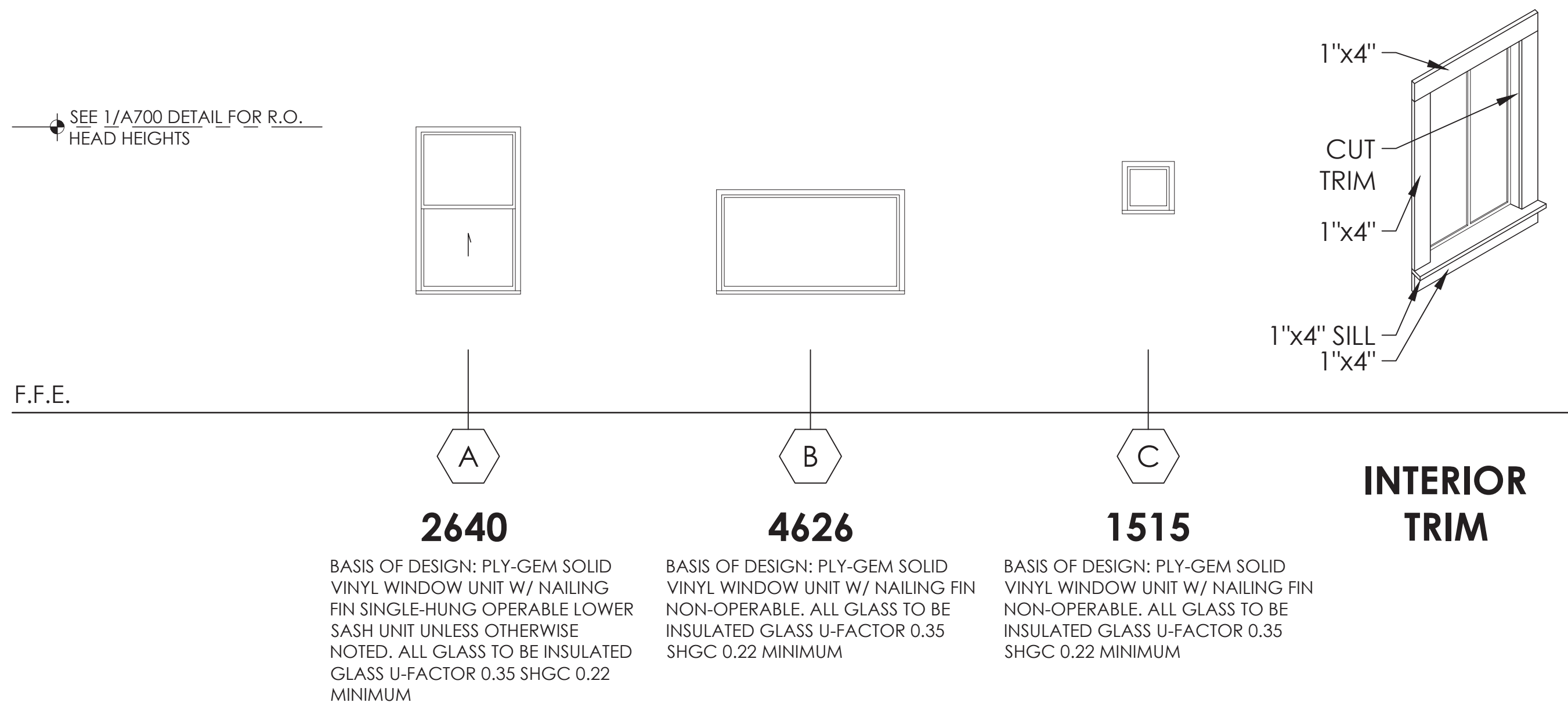
DATE
JANUARY 28, 2025

REVISIONS

FINISH
PLAN &
SCHEDULE

A500

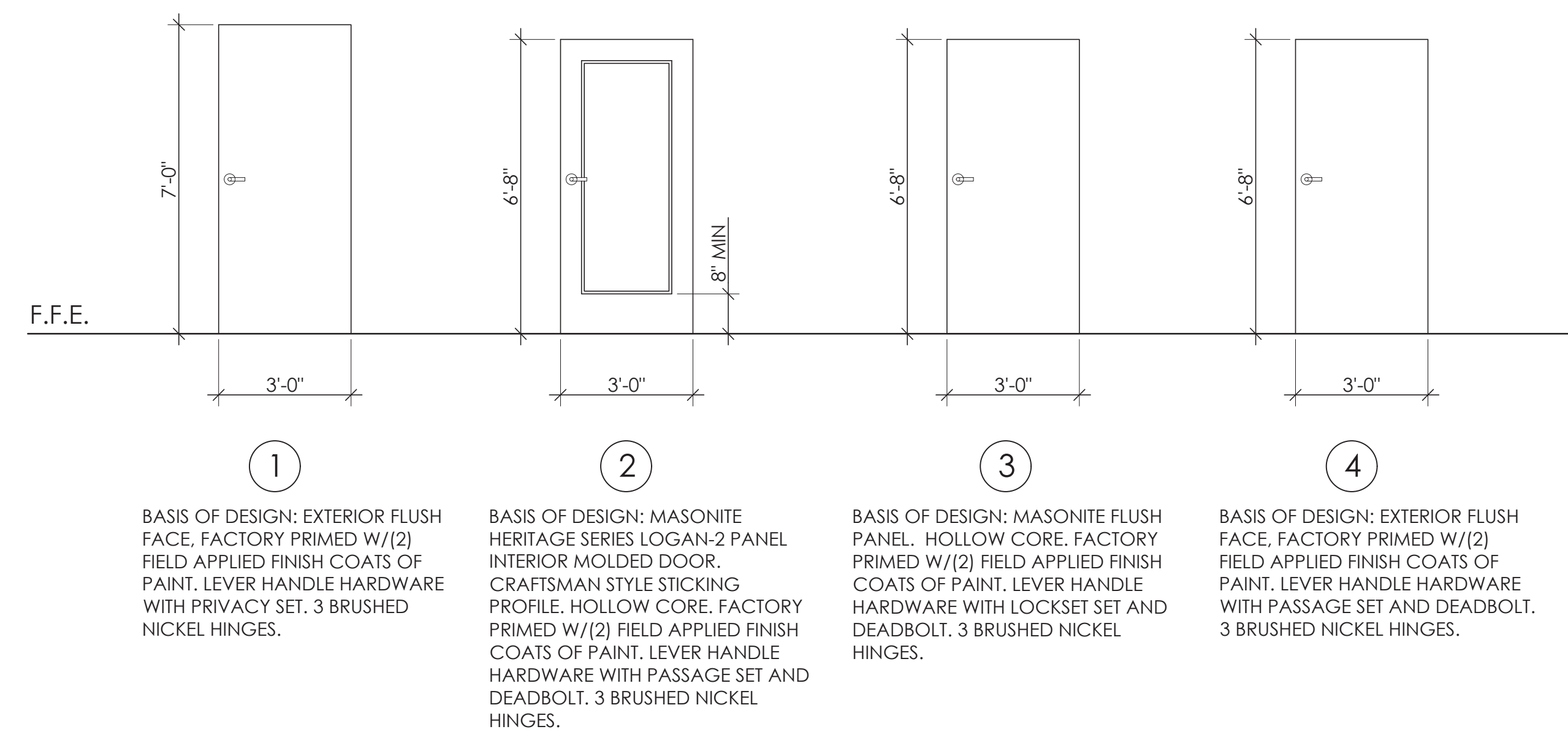
WINDOW TYPES



WINDOW NOTES:

- | | | | |
|----|--|----|--|
| 1. | REFER TO FLOOR PLANS FOR WINDOW TYPE LOCATIONS AND BUILDING ELEVATIONS FOR ADJACENT EXTERIOR BUILDING MATERIALS. | 4. | ALL WINDOW UNITS TO HAVE TEMPERED GLASS WITHIN 12" OF A DOOR AND/OR WITHIN 12" OF THE DOOR SWING IN THE OPEN POSITION. |
| 2. | ALL WINDOW UNIT TO BE SOLID VINYL BLACK EXTERIOR AND WHITE INTERIOR FACTORY FINISH. | 5. | GC TO FIELD VERIFY ALL DIMENSIONS PRIOR TO MANUFACTURING OF WINDOW UNITS. NOTIFY ARCHITECT OF ANY DISCREPANCIES. |
| 3. | TYPICAL EXTERIOR PERIMETER TRIM DETAIL TO INCLUDE 5 /4 x 4 HARDIE SMOOTH TRIM. | 6. | GC TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW OF ALL WINDOW UNITS, & GLAZING DETAILS PRIOR TO ORDERING ANY MATERIALS FOR CONSTRUCTION. |

DOOR TYPES



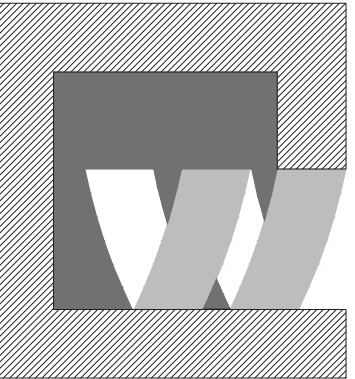
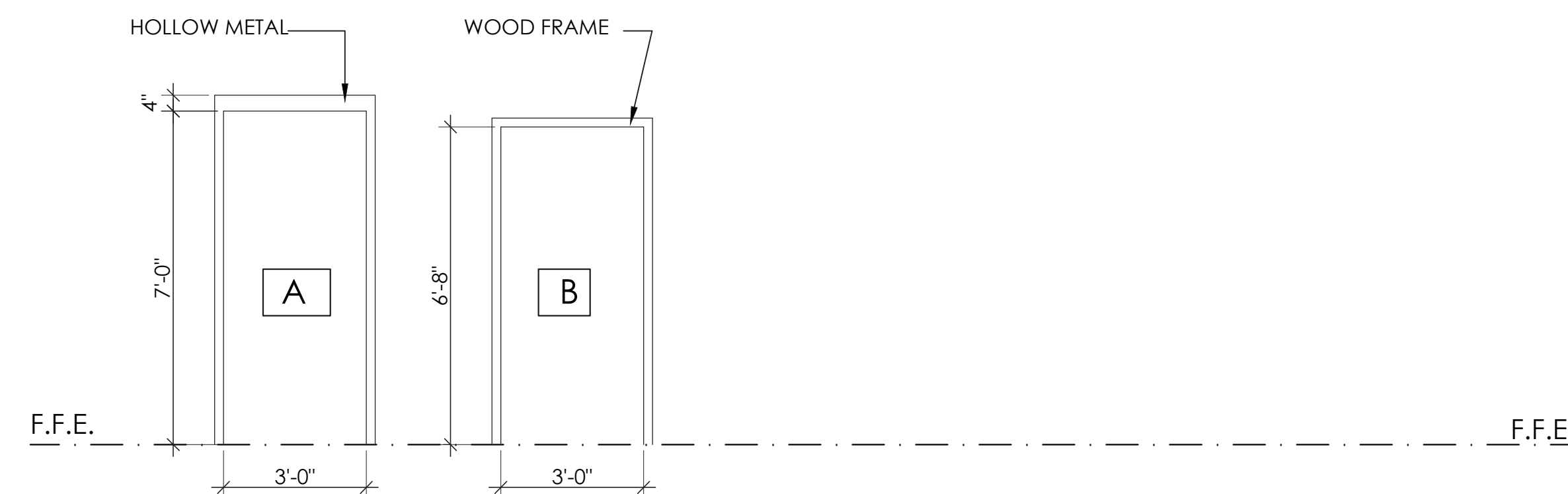
DOOR SCHEDULE

#	DOOR			FRAME		REMARKS	#
	DESCRIPTION	DOOR SIZE	TYPE	TYPE	MAT'L		
1	FLUSH PANEL WOOD DOOR	3'-0" X 7'-0"	1	A	HM		1
2	INSULATED CORE WOOD DOOR	3'-0" X 6'-8"	2	B	WOOD		2
3	HOLLOW CORE WOOD DOOR	3'-0" X 6'-8"	3	B	WOOD		3
4	HOLLOW CORE WOOD DOOR	3'-0" X 6'-8"	4	B	WOOD		4

DOOR NOTES:

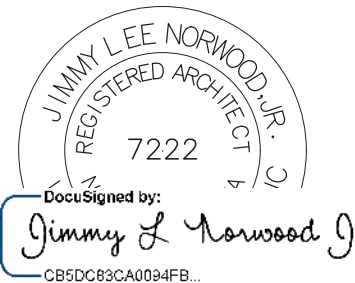
1. PROVIDE LEVER CYLINDRICAL HARDWARE ON ALL DOORS UNLESS NOTED OTHERWISE. FINISH TO BE BRUSHED NICKEL THROUGHOUT.
2. PROVIDE OWNER / ARCHITECT W/ SUBMITTALS FOR DOOR MATERIALS, FINISHES, & HARDWARE. PROVIDE CUT SHEETS & SAMPLES PRIOR TO ORDERING MATERIALS.
3. HINGES SHALL BE 3-KNUCKLE, 4 1/2" X 4 3/4" BUTT DESIGN. FINISH TO BE BRUSHED NICKEL
4. PROVIDE WALL-MOUNTED & FLOOR MOUNTED DOORSTOPS AS APPLICABLE. STOPS TO BE POLISHED CHROME W/ GRAY RUBBER BUMPER.
5. ALL HARDWARE TO BE PROVIDED BY YALE, SCHLAGE, BALDWIN OR EQUAL APPROVED BY OWNER.
6. PROVIDE SILENCERS FOR ALL DOORS.
7. ALL EXTERIOR DOORS TO BE INSULATED WITH WEATHER STRIPING AND THRESHOLD
8. ALL INTERIOR DOORS TO BE UNDERCUT A MINIMUM OF 1/2" ABOVE THE FINISH FLOOR MATERIAL TO ALLOW FOR PROPER AIR FLOW

WOOD FRAMES



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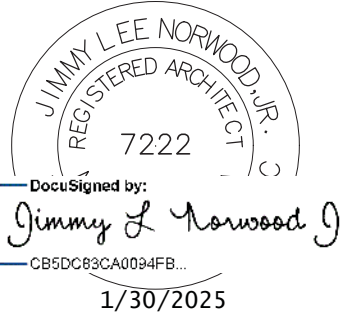
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REVISIONS

DOORS & STOREFRONT SCHEDULES

A600



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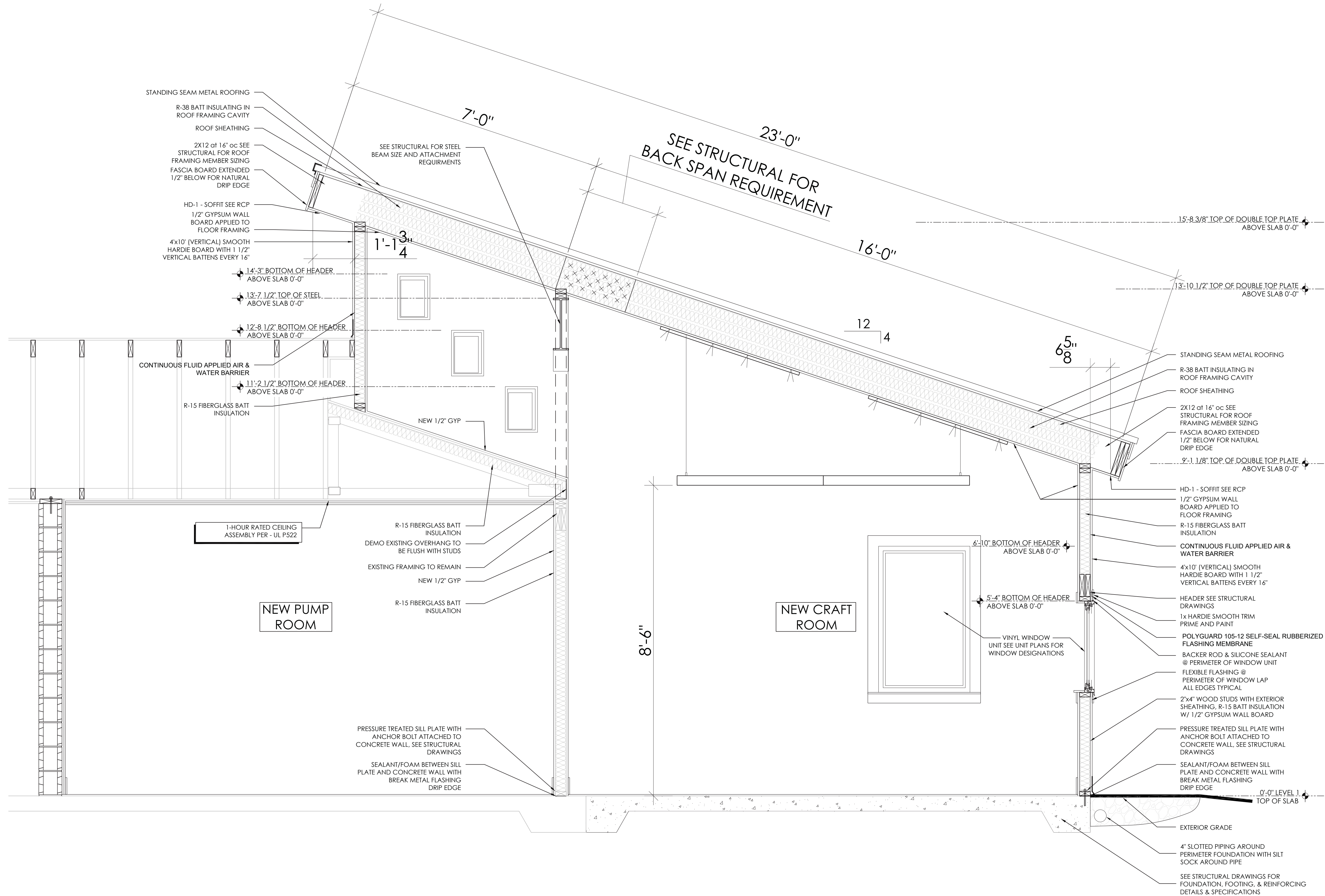
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REVISIONS:

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SECTIONS

A700



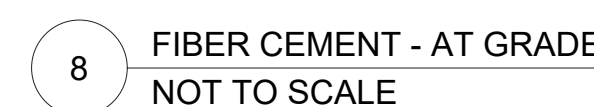
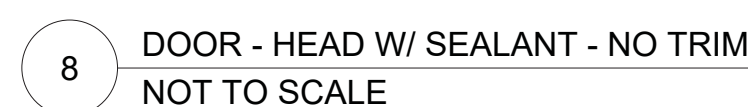
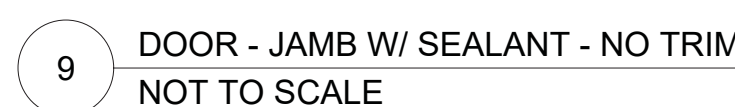
1 SECTION
SCALE: 3/4" = 1'-0"



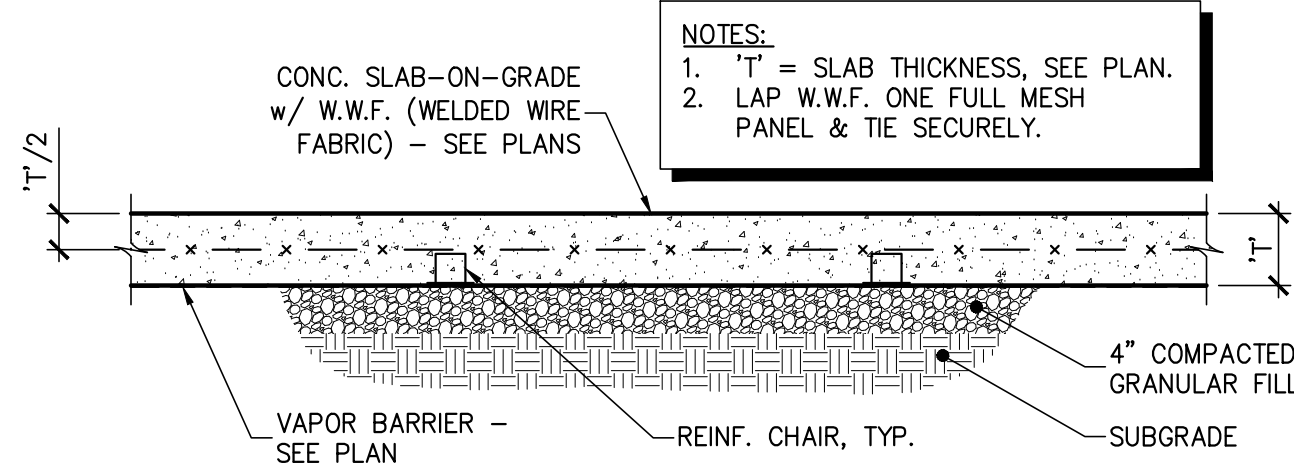
RENOVATION / ADDITION TO POST
CAMP AGAPE
1369 TYLER DEWAR LN
FUYQUAY-VARINA NC 27526

REVISIONS

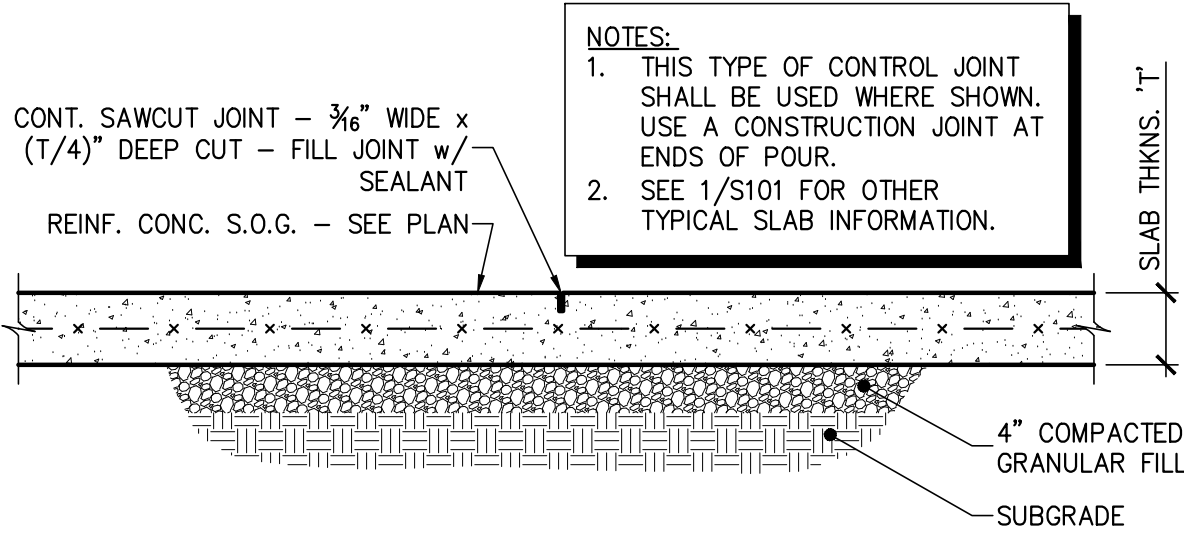
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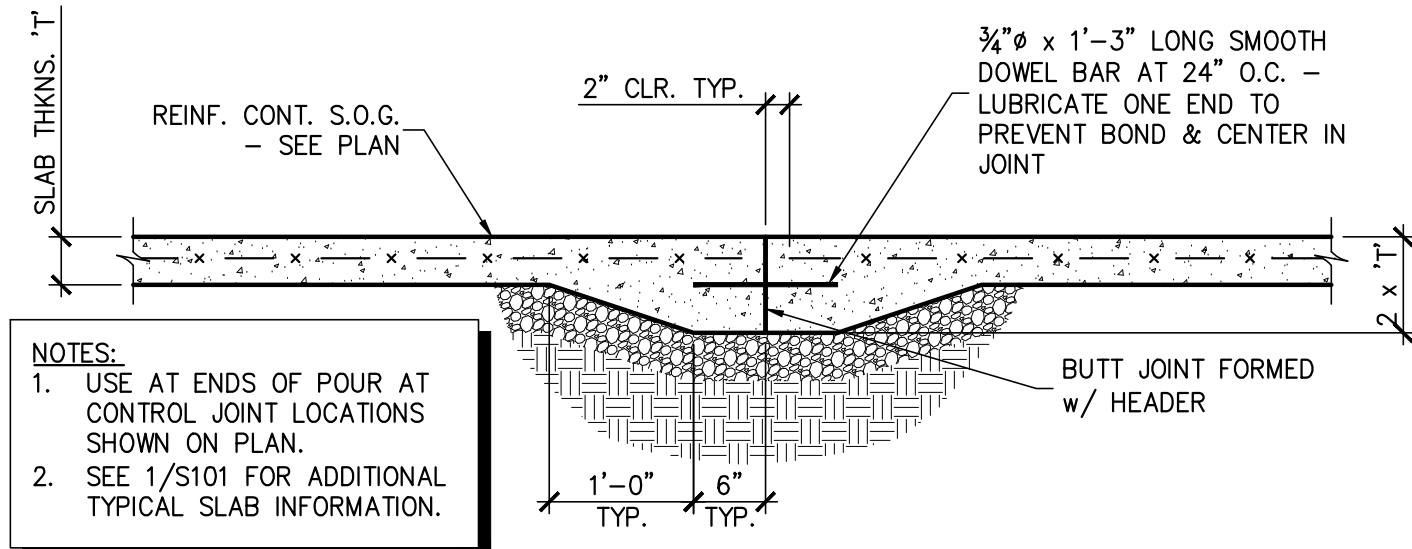
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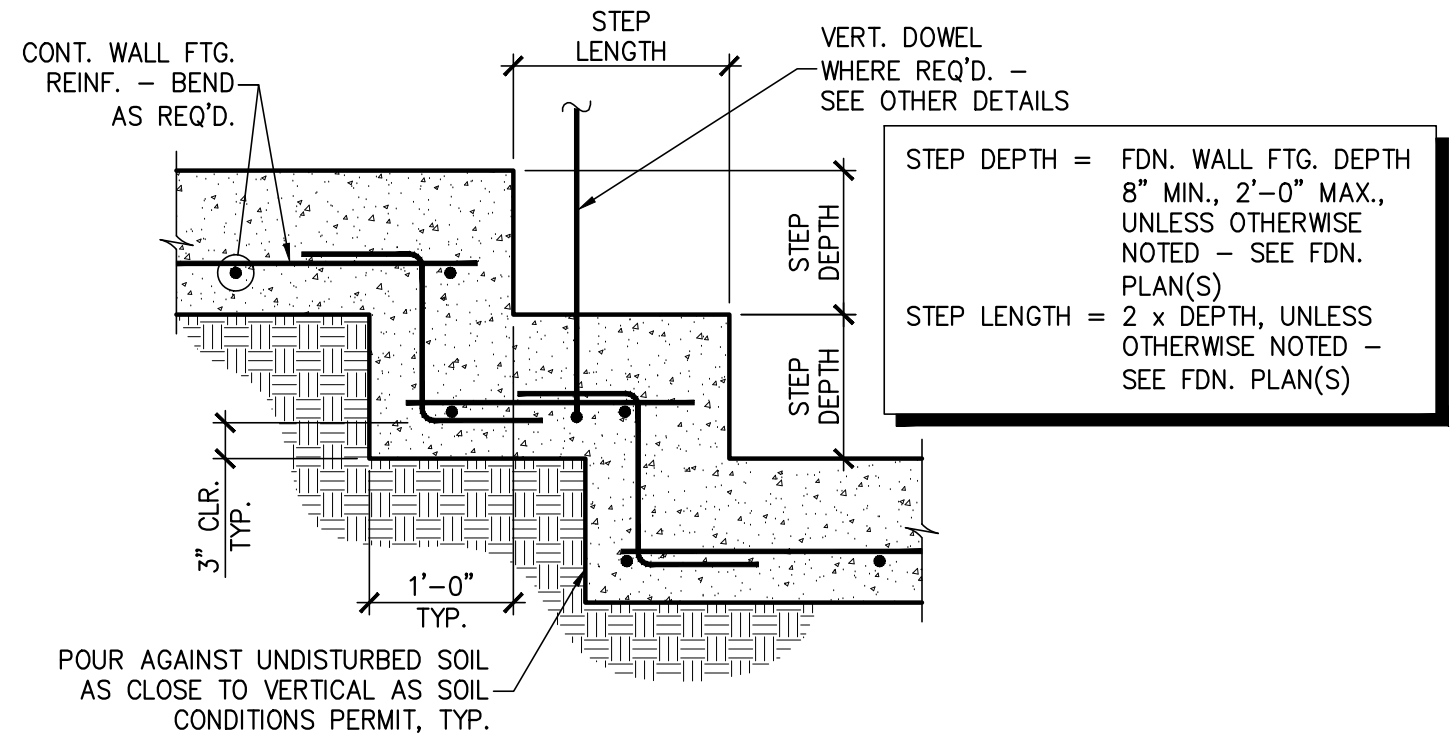
1 SECTION - TYP. SLAB ON GRADE
S101 N.T.S.



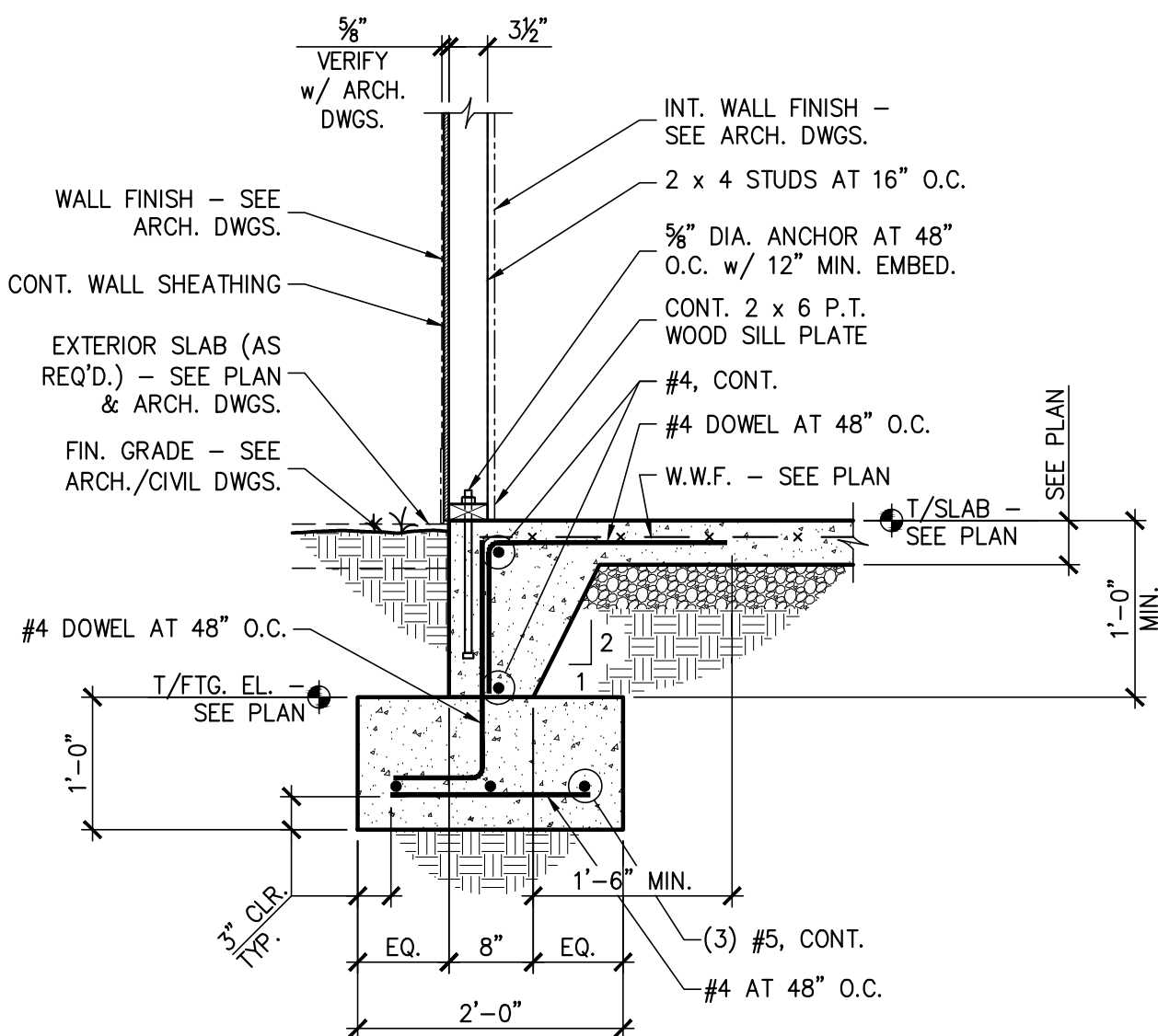
2 SECTION - TYP. CONTROL JOINT
S101 N.T.S.



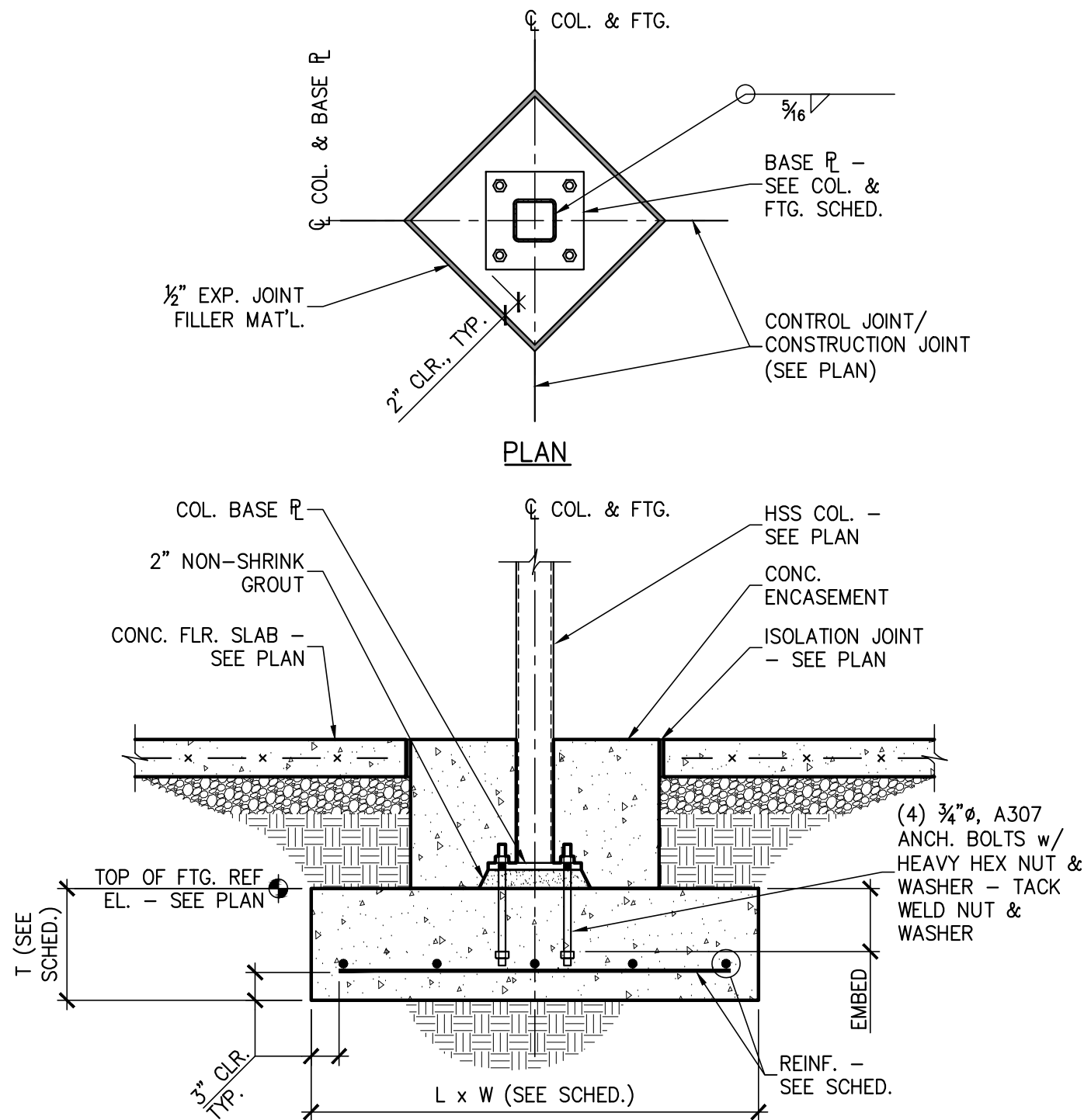
3 SECTION - TYP. CONSTRUCTION JOINT
S101 N.T.S.



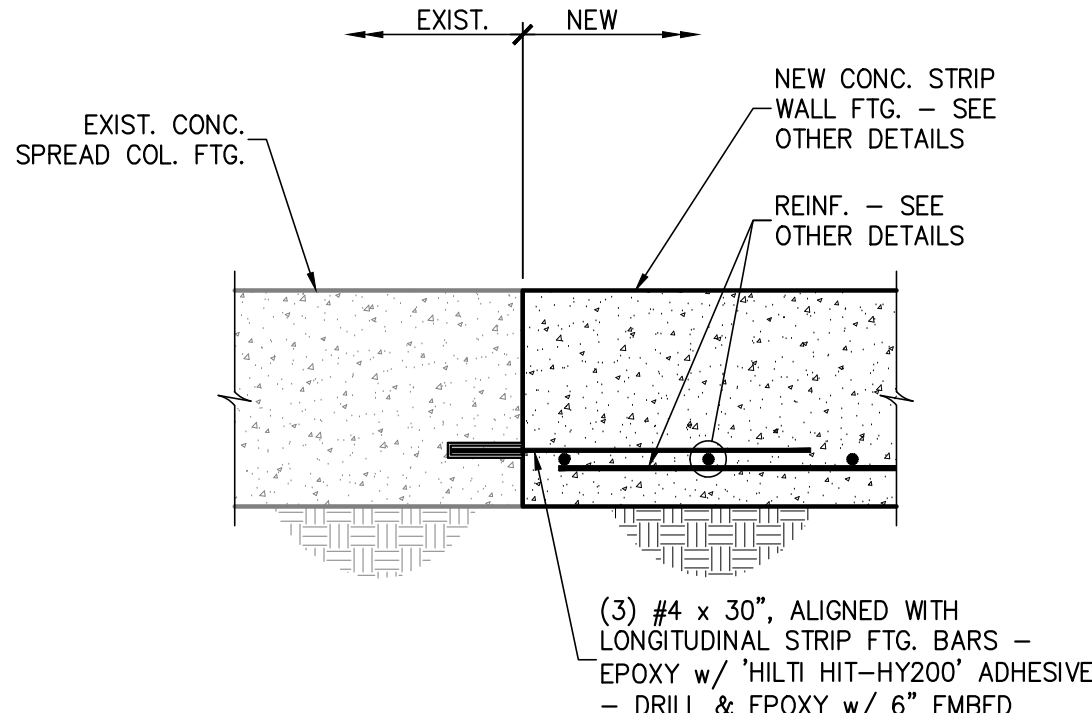
4 SECTION - TYP. STEPPED FTG.
S101 N.T.S.



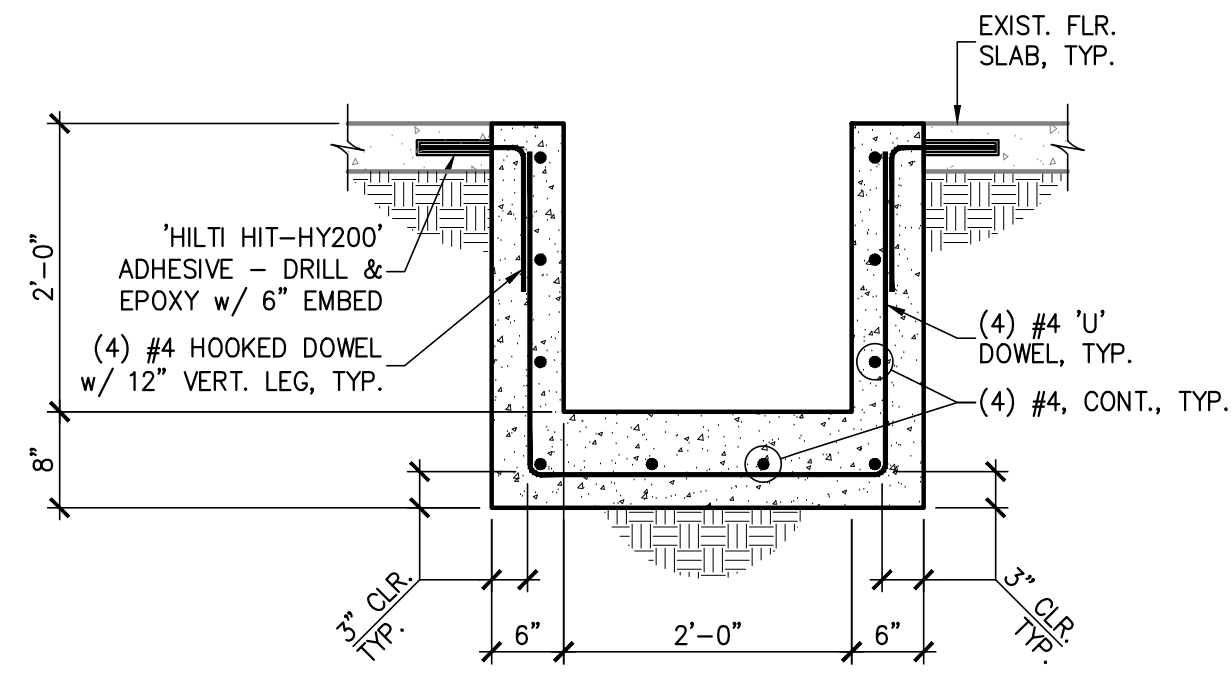
5 SECTION - TYP. EXTERIOR PERIMETER STUD WALL FTG.
S101 N.T.S.



7 SECTION - TYP. HSS COL. FTG.
S101 N.T.S.

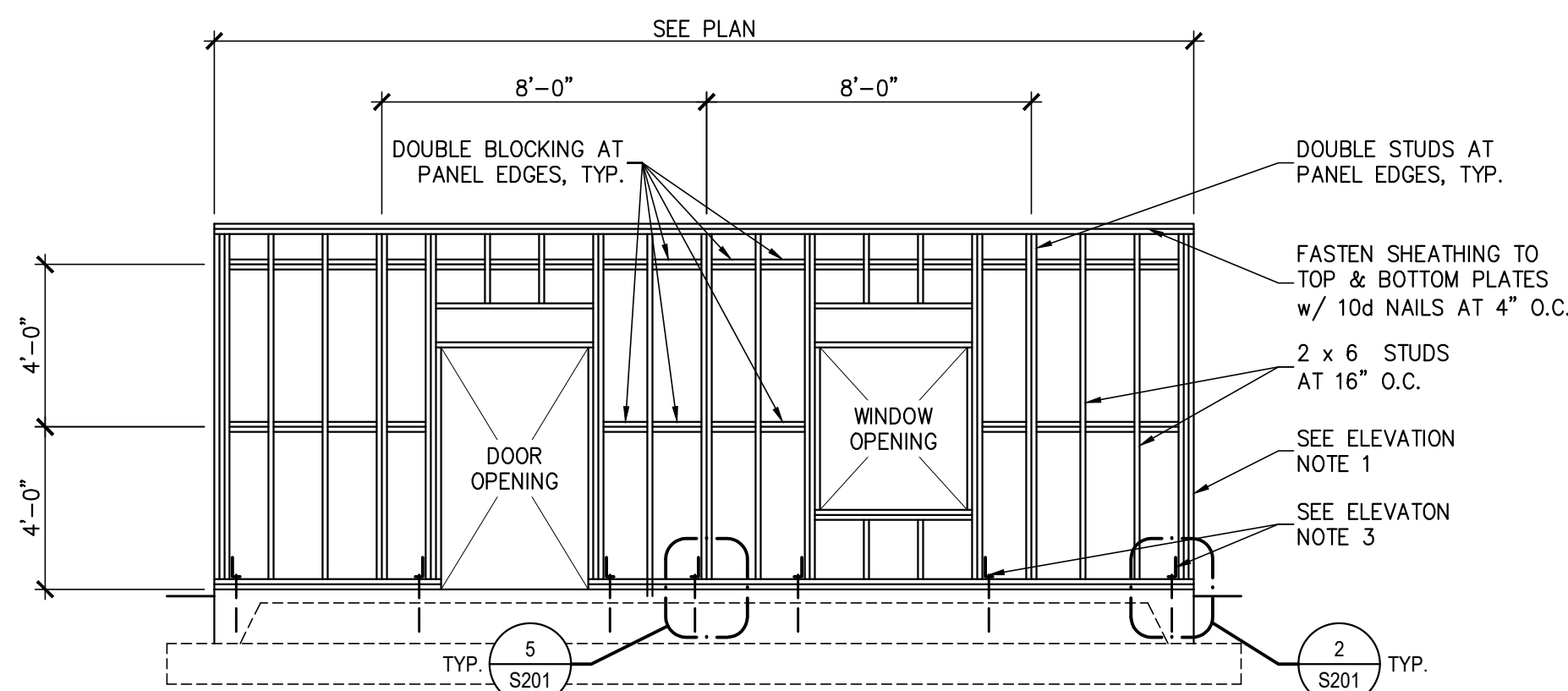


8 SECTION - TYP. EXIST. / NEW CONC. FTG. INTERFACE
S101 N.T.S.



9 SECTION - NEW SUMP
S-101 N.T.S.

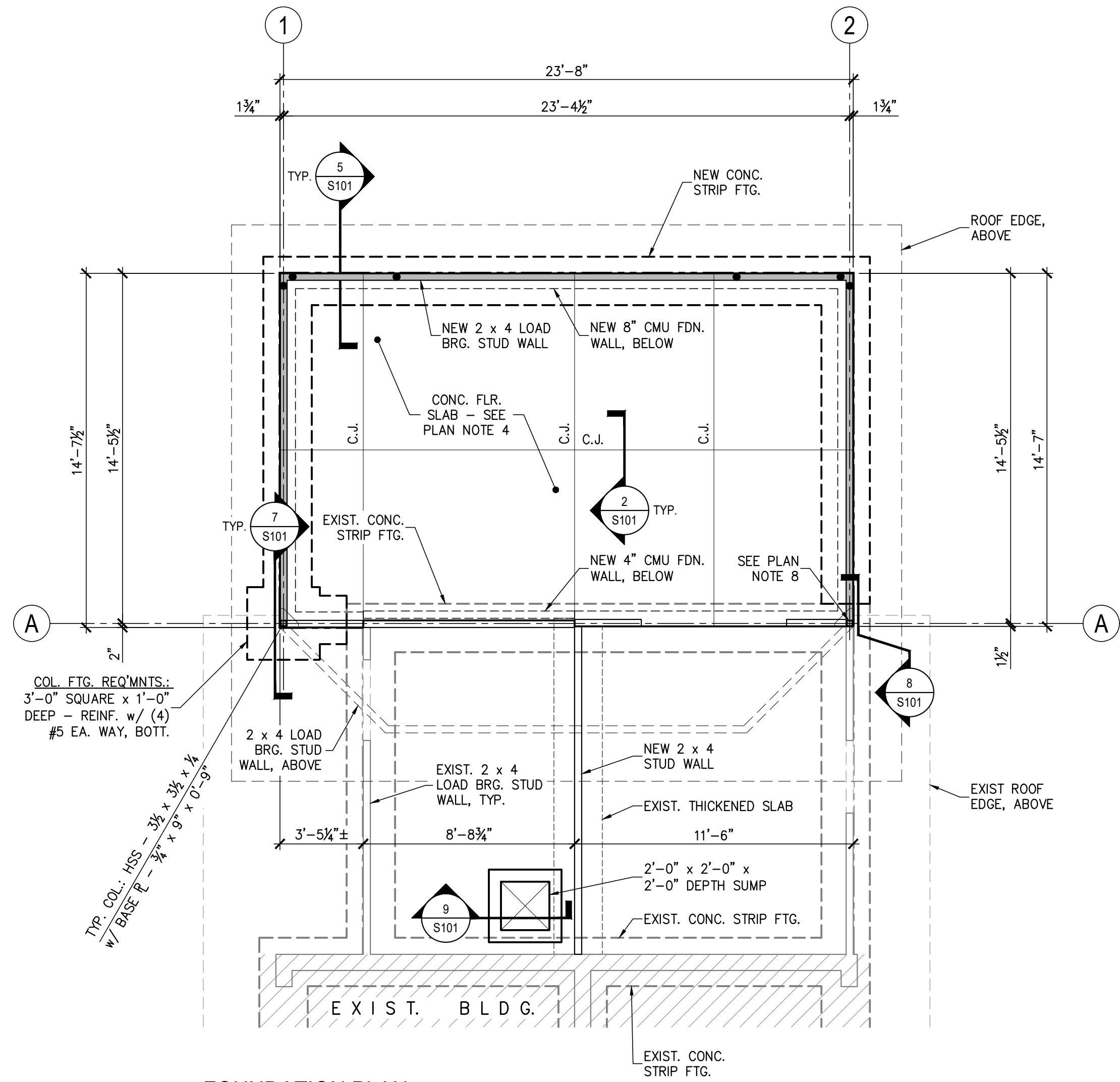
- TYPICAL SHEAR WALL ELEVATION NOTES:**
- CORNER POSTS SHALL HAVE 3 STUDS MINIMUM.
 - ALL EXTERIOR STUD WALLS SHALL BE CONTINUOUSLY SHEATHED AND FASTENED AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. SEE 3/S2.2. PROVIDE STUD BLOCKING AT 48" O.C. VERTICAL SPACING FOR PANEL JOINTS.
 - PROVIDE 'SIMPSON STRONG-TIE HDU8-SDS2.5' HOLD-DOWN ANCHORS AT EACH SIDE OF EACH CORNER OF BUILDING, AND AT WALL OPENINGS UNLESS OTHERWISE NOTED ON PLAN. SEE HOLD-DOWN DETAILS 1/S201, 2/S201, 4/S201 AND 5/S201. HOLD-DOWNS ARE NOT REQUIRED AT STEEL COLUMN LOCATIONS.
 - ALL EXTERIOR WALLS ARE SHEAR WALLS UNLESS OTHERWISE NOTED.
 - PROVIDE DOUBLE SILL PLATE IF NAIL SPACING IS LESS THAN 4" O.C AT PANEL EDGES. SEE GENERAL STRUCTURAL NOTES: WOOD DECKING/SHEATHING NOTES FOR NAIL SPACING.



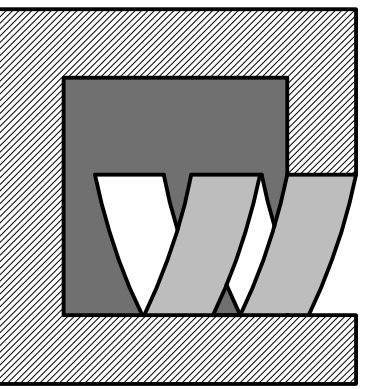
6 TYPICAL SHEAR WALL ELEVATION
S101 N.T.S.

FOUNDATION PLAN LEGEND	
	DENOTES COLUMN CONCRETE SPREAD FOOTING WITH FOOTING MARK - SEE PLAN ON THIS SHEET FOR SIZE AND REINFORCING
	DENOTES STEEL COLUMN WITH ISOLATION JOINT - SEE PLAN ON THIS SHEET FOR COLUMN SIZE, BASE PLATE SIZE AND QUANTITY, AND SIZE OF ANCHOR BOLTS. SEE DETAIL 7/S101 FOR ADDITIONAL INFORMATION
-S-	DENOTES FOOTING STEP - SEE DETAIL 4/S101 FOR ADDITIONAL INFORMATION
C.J.	DENOTES SLAB ON GRADE CONSTRUCTION OR SAWCUT CONTROL JOINT - SEE DETAILS 2/S101 AND 3/S101 FOR ADDITIONAL INFORMATION
(-1'-4")	DENOTES TOP OF FOOTING ELEVATION
	DENOTES A LOAD BEARING STUD WALL - SEE FOUNDATION DETAILS FOR ADDITIONAL INFORMATION
	DENOTES A HOLD-DOWN WITH (3) GANGED STUDS AT EACH INDICATED LOCATION - SEE 2/S201 AND 5/S201 FOR ADDITIONAL INFORMATION
	DENOTES A LOCATION OF A STUD-PACK COLUMN CONSISTING OF (3-MINIMUM) GANGED STUDS
U.O.N.	DENOTES 'UNLESS OTHERWISE NOTED'

- FOUNDATION PLAN NOTES:**
- SEE SHEET S401 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES & SCHEDULES.
 - DIMENSIONS SHOWN WITH '±' ARE EXISTING AND ARE SUBJECT TO FIELD VERIFICATION PRIOR TO ACCEPTANCE AS VALID.
 - TOP OF SLAB REFERENCE ELEVATION = 0'-0" UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ACTUAL SITE ELEVATIONS.
 - CONCRETE FLOOR SLAB IS 4" THICK WITH 6 x 6 - W 2.1 x W 2.1 WELDED WIRE FABRIC, TYPICAL EXCEPT AT MECHANICAL ROOMS WITH DEPRESSED SLAB. PROVIDE 10 MIL VAPOR BARRIER AND 4" COMPACTED GRANULAR BASE UNDER SLAB.
 - ALL EXTERIOR WALL STRIP FOOTINGS SHALL BE 2'-0" WIDE UNLESS OTHERWISE NOTED ON THE PLAN.
 - SEE DETAIL 4/S101 FOR TYPICAL FOOTING STEP.
 - THE TOP OF ALL EXTERIOR WALL STRIP FOOTINGS SHALL BE AT ELEVATION -1'-0", MINIMUM, UNLESS OTHERWISE NOTED ON THE PLAN.
 - OFFSET NEW COLUMN BASE PLATE FLUSH WITH COLUMN FACE TOWARDS EXISTING BUILDING. ALL ANCHOR BOLTS SHALL BE ON THE NEW-CONSTRUCTION FACE OF THE NEW COLUMN. MODIFY BASE PLATE SIZE IF REQUIRED.



FOUNDATION PLAN
1/4" = 1'-0"



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RENOVATION / ADDITION TO POOL BUILDING FOR:

CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY-VARINA NC 27526

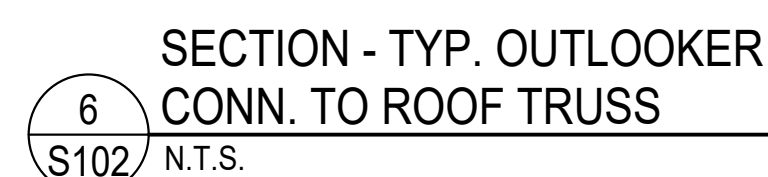
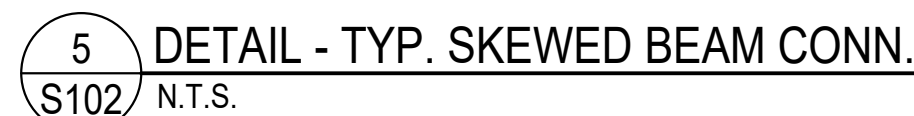
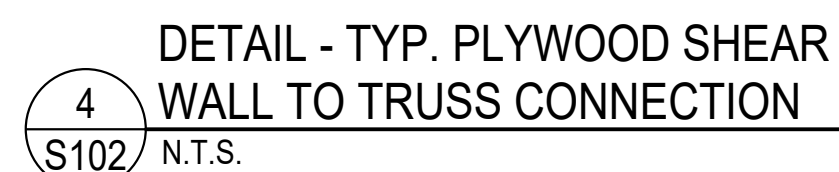
PROJECT NUMBER
224215

DATE
JANUARY 21, 2025

REVISIONS

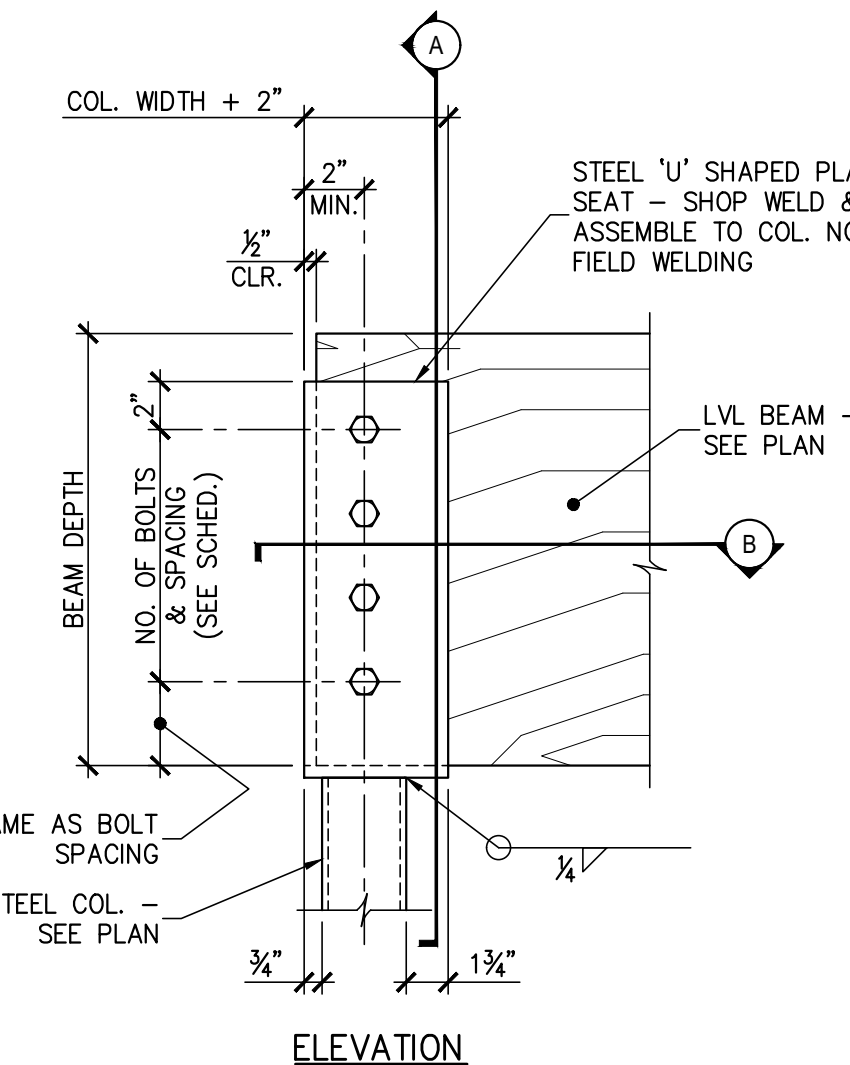
FOUNDATION PLAN,
PLAN LEGEND & NOTES,
SECTIONS & DETAILS

S101



ROOF FRAMING PLAN NOTES:

1. SEE SHEET S401 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES AND SCHEDULES.
2. DIMENSIONS SHOWN WITH '1' ARE EXISTING AND ARE SUBJECT TO FIELD VERIFICATION PRIOR TO ACCEPTANCE AS VALID.
3. COORDINATE ROOF OPENINGS WITH MECHANICAL AND PLUMBING DRAWINGS.



BEAM WIDTH $+ \frac{1}{8}$ "

$1\frac{3}{4}$ " TYP. PLY

LVL BEAM - SEE PLAN

SIDE $\frac{3}{8}$ " THK., TYP.

(4) $\frac{5}{8}$ " $\varnothing$ THRU-BOLTS

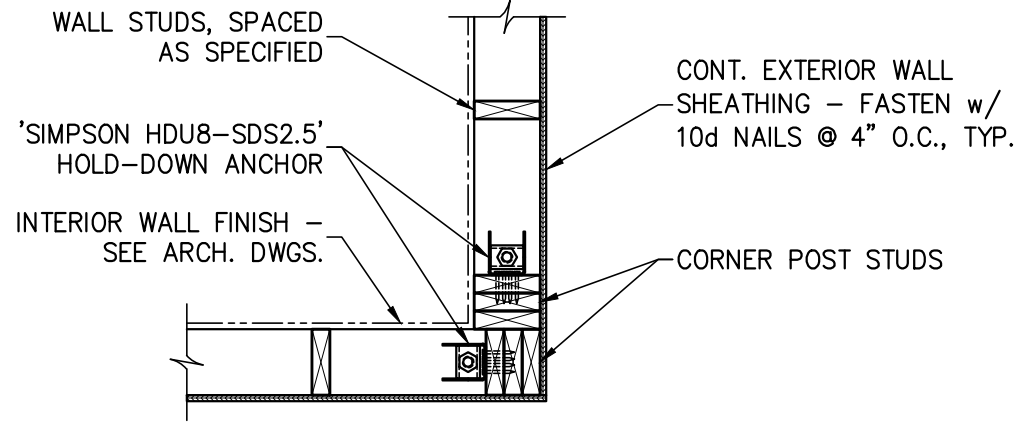
TYP.

BOTTOM $\frac{1}{2}$ " THK

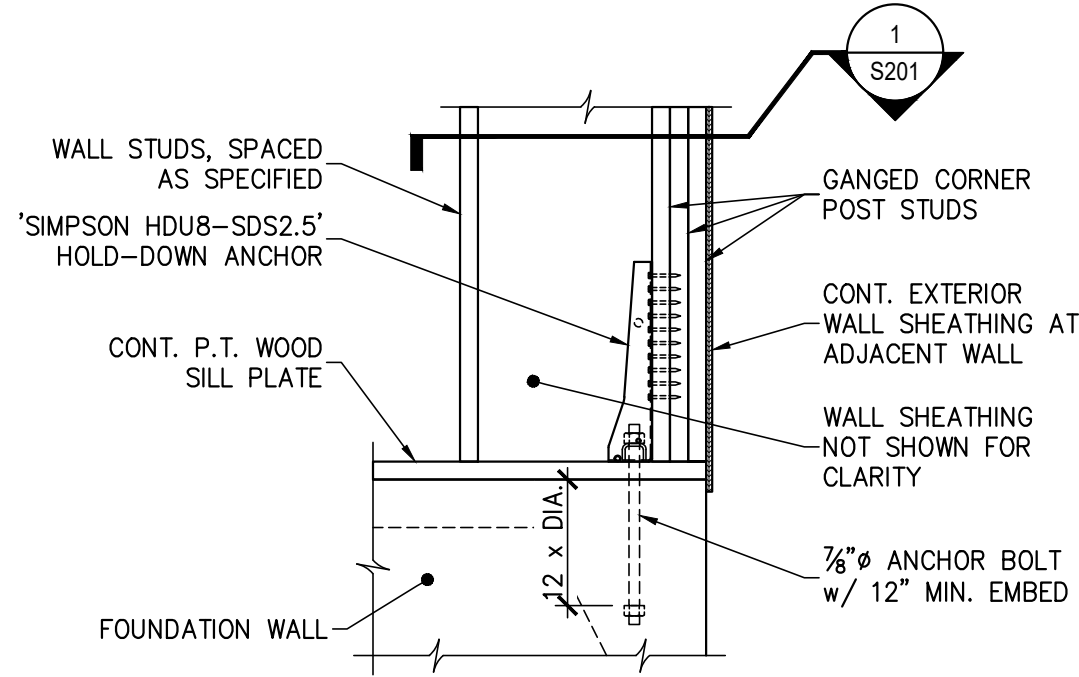
SECTION 'A'



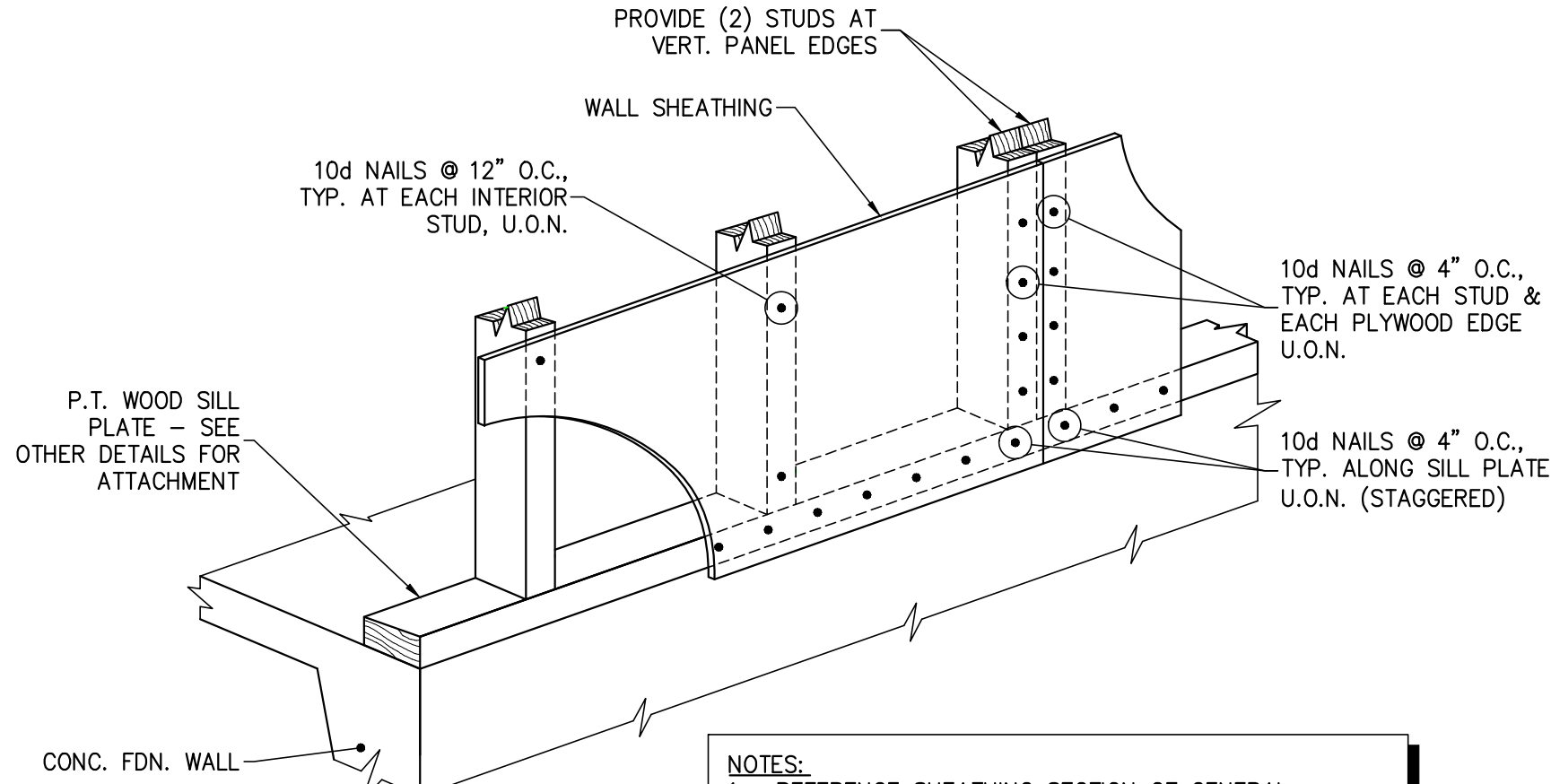
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1
S201
PLAN DETAIL - TYP.
SHEAR WALL CORNER
N.T.S.

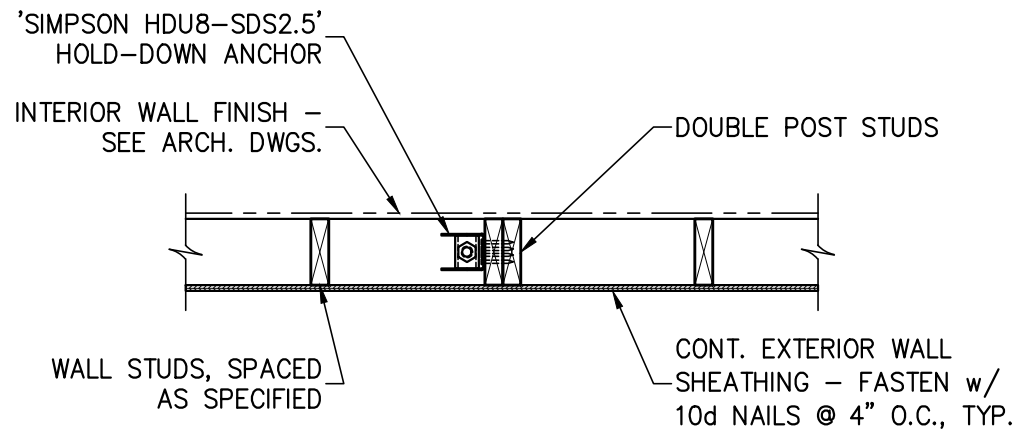


2
S201
DETAIL - TYP. HOLD-DOWN
ANCHOR AT BASE
N.T.S.

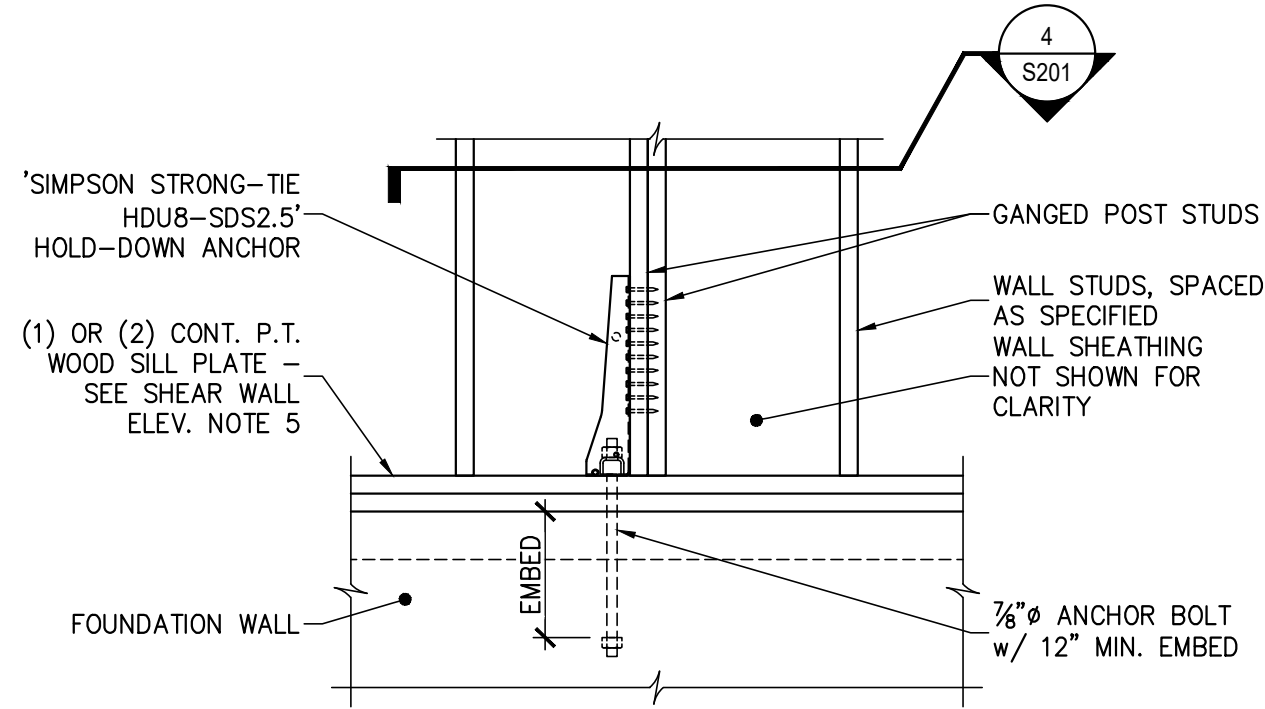


- NOTES:
1. REFERENCE SHEATHING SECTION OF GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION. NO OSB SHALL BE USED AT SHEAR WALL LOCATIONS.
 2. PROVIDE DOUBLE SILL PLATE IF INDICATED ON OTHER WALL DETAILS AND/OR SECTIONS.

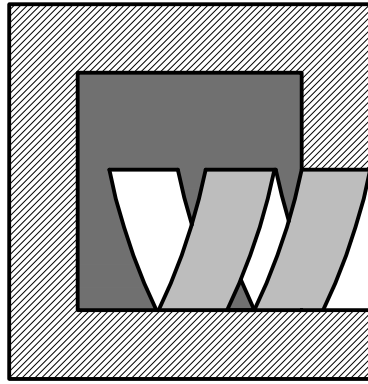
3
S201
DETAIL - TYP. SHEAR WALL BASE NAILING PATTERN
N.T.S.



4
S201
PLAN SECTION -
TYP. SHEAR WALL
N.T.S.

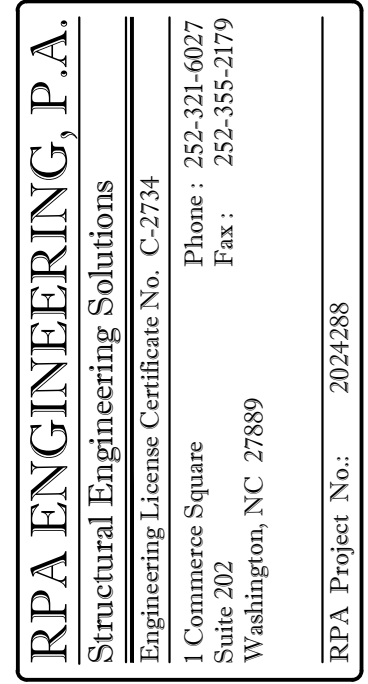


5
S201
DETAIL - TYP. HOLD-DOWN
ANCHOR AT SHEAR WALL BASE
N.T.S.



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RENOVATION / ADDITION TO POOL BUILDING FOR:

CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY-VARINA NC 27526

PROJECT NUMBER
224215

DATE
JANUARY 21, 2025

REVISIONS

SHEAR WALL SECTIONS &
DETAILS

S201



- ### NOTES KEYED TO PLAN:
- 1) REPLACE ELECTRIC WATER COOLER. DEMOLISH EXISTING WATER COOLER AND REWORK SUPPORTS AND WALL FOR NEW WATER COOLER. COORDINATE EXISTING RECEPTACLE LOCATION WITH THE ELECTRICAL TRADE AND ADJUST AS NECESSARY TO CONCEAL BEHIND WATER COOLER IN THE MANUFACTURER'S APPROVED LOCATION. SET SPOUT AT ADA HEIGHT.
 - 2) REPLACE HAND SINK. DEMOLISH EXISTING HAND SINK AND REWORK WALL AND SUPPORTS FOR NEW HAND SINK. REWORK WASTE/VENT PIPING CONNECTIONS FOR NEW SINK
 - 3) REPLACE WATER CLOSET. DEMOLISH EXISTING WATER CLOSET AND REWORK FLOOR AND ROUGH-IN FOR NEW WATER CLOSET.
 - 4) DEMOLISH EXISTING SHOWER AND INSTALL NEW WATER CLOSET. COORDINATE FLOOR ROUGH-IN WITH GENERAL CONTRACTOR WORK.
 - 5) INSTALL NEW OUTDOOR SHOWER. PROVIDE NEW DRAIN AND CONNECT TO EXISTING PIPING. COORDINATE ROUGH-IN AND WALL MODIFICATIONS WITH GENERAL CONTRACTOR.
 - 6) REUSE EXISTING PIPING AND FIXTURE CONNECTIONS IF POSSIBLE FOR NEW FIXTURE. EXTEND PIPING AS NEEDED.
 - 7) ASSUMED LOCATION OF EXISTING HOT AND COLD WATER PIPING.
 - 8) EXISTING WATER HEATER TO REMAIN.
 - 9) COORDINATE SLAB CUTS WITH GENERAL CONTRACTOR TO ROUTE NEW WASTE PIPING FOR THE WATER CLOSET AND HAND SINK TO THE EXISTING WASTE PIPING.
 - 10) NEW FLOOR DRAIN. COORDINATE EXACT LOCATION WITH POOL EQUIPMENT INSTALLERS.
 - 11) VERIFY THE SIZE OF THE EXISTING PUMP ROOM WASTE PIPING. COORDINATE WITH THE GENERAL CONTRACTOR TO CUT AND PATCH THE EXISTING SLAB TO REPLACE ALL 2" AND 3" WASTE PIPING AND TO CONNECT TO THE EXISTING 4" WASTE PIPING ON SITE.

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: P_2430
DRWN BY: WHCCHKD BY: WHC

P1

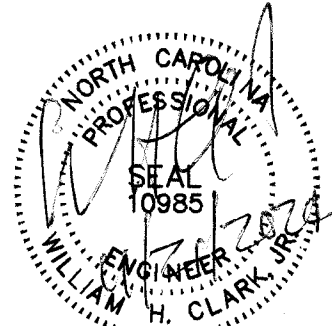
RENOVATION/ADDITION TO POOL BUILDING FOR:

CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

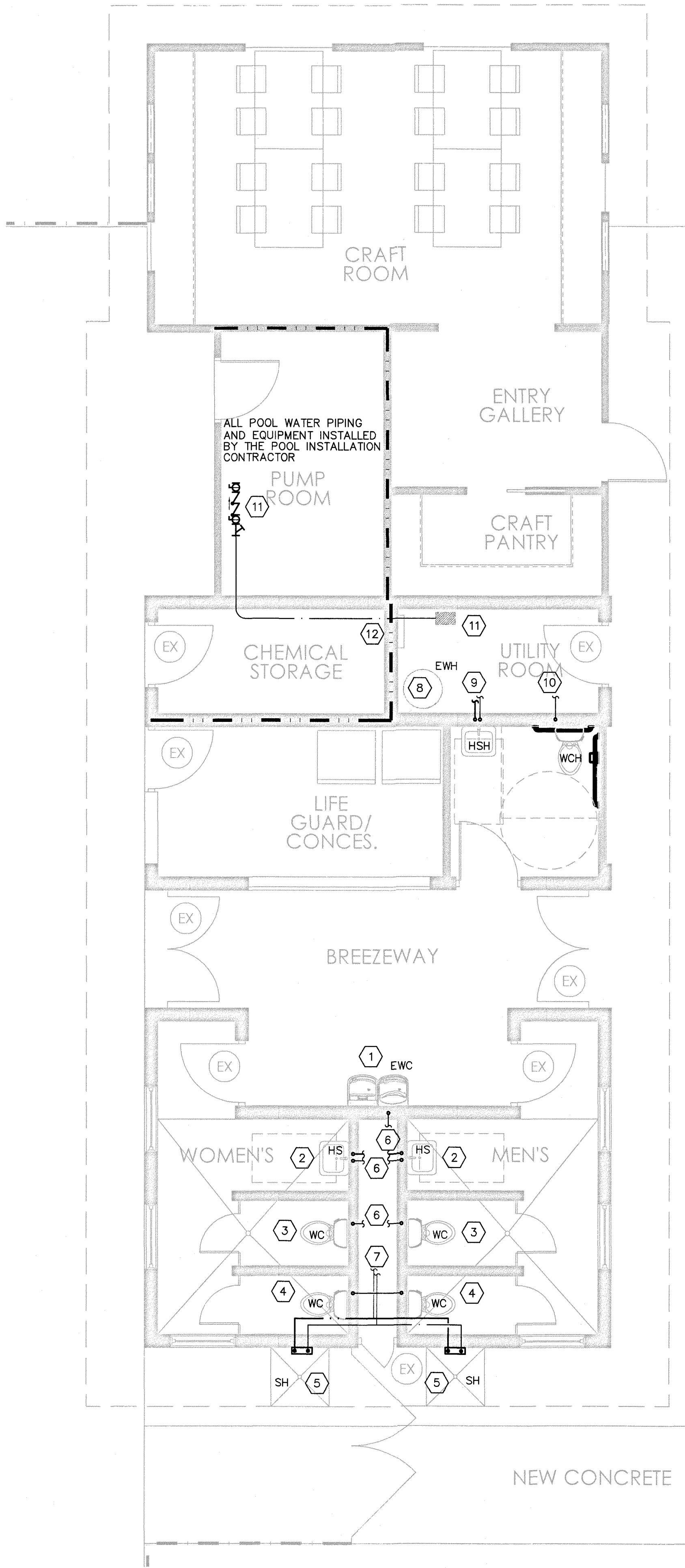
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PLUMBING FIXTURE SCHEDULE							
FIXTURE	PARTS	BASIS OF DESIGN		PIPING SIZES			
		MANUFACTURER	MODEL NUMBER	HW	CW	WASTE	VENT
WATER CLOSET	WC	KOHLER	K3810-0	-	(TANK)1/2"	3"	2"
	SEAT	BEMIS	1500EC				
	SUPPLY	MCGUIRE	LF185				
	FLOOR MOUNTED, TOILET STYLE ABOVE, ELONGATED BOWL, 12" ROUGH-IN, WATERSENSE LABELED, SEAT AND SUPPLY ADA COMPLIANT. PLASTIC SEAT SHALL BE OPEN FRONT.						
LAVATORY	LH (WALL MOUNT)	AMERICAN STAND.	9024.904EC	1/2"	1/2"	2"	1-1/2"
	CARRIER (WALL MOUNT)	JAY R. SMITH	0700				
	FAUCET (PUBLIC)	BRIZO	METERED FAUCET				
	TRAP	MCGUIRE	8902				
	SUPPLY	MCGUIRE	LF165				
	SINGLE BOWL, MOUNTING INSTALLATION ABOVE, VITREOUS CHINA, 4" CENTERS, SINGLE CONTROL FAUCET, WATERSENSE LABELED, P-TRAP STOPS AND SUPPLY; ACCESSIBLE LAVATORY IS ADA COMPLIANT. METERED FAUCET (SENSOR OR PUSH HANDLE) SHALL BE ADJUSTABLE 10-30 SECOND FLOW-TIME.						
OUTDOOR SHOWER	ODS	TILED BY GC	TILED BY GC	1/2"	1/2"	2"	1-1/2"
	VALVE W/ INTERNAL STOPS	DELTA	R10000-UNWS				
	FAUCET (ODS)	DELTA	S1900-SS				
	WALL ELBOW / TRIM (ODS)	DELTA	S0560-SS / T13020-SS				
	FIBERGLASS, "OFFSET" CONTROLS IF NECESSARY; ONLY PRESSURE BALANCED MIXING VALVE W/ SCREW DRIVER STOPS. WATERSENSE LABELED AT MAX 2.0 GPM. ALL MIXING VALVES SHALL CONFORM WITH ASSE 1016 OR EQUAL W/ TEMPERATURE SET FOR 110F. COORDINATE W/ ARCHITECT ON ROUGH-IN BLOCKING FOR AND LOCATIONS OF ALL GRAB BARS AND REINFORCED SEATING. REFER TO PLANS FOR MULTIPLE SHOWERHEADS AND CONTROLS.						
ELECTRIC WATER COOLER (INDOOR)	EWK	ELKAY	LZSTL8WSLK	-	1/2"	2"	1-1/2"
	TRAP	McGUIRE	8902				
	SUPPLY	MCGUIRE	LF185				
	HIGH-LOW, WALL-MOUNTED ELECTRIC WATER COOLER W/BOTTLE FILLER, CONCEALED WALL HANGER, P-TRAP, AND SUPPLIES. INSTALL WITH ADA-REQUIRED APPROACH CLEARANCES AND SPOUT MOUNTING HEIGHTS. COORDINATE WITH ELECTRICAL TRADE TO CONCEAL RECEPTACLE BEHIND UNIT.						
BACKFLOW PREVENTER ASSEMBLY (REDUCED PRESSURE ZONE ASSEMBLY)	BFP (H ONLY)	WATTS	LF009M2QT	-	1"	-	-
	MSV	APOLLO	70-100				
	PRV (IF REQUIRED)	WATTS	LF223				
	STRAINER	WATTS	LF777				
	REDUCED PRESSURE ZONE ASSEMBLY. INSTALLED WITH MAIN SHUTOFF VALVE. IF STATIC PRESSURE AT BFP IS GREATER THAN 80 PSI, CONTRACTOR SHALL INSTALL WITH PRV. REFER TO PLUMBING BUILDING PLANS FOR BFP LOCATION AND SIZING, WHICH IS EQUAL TO THE INCOMING DOMESTIC WATER PIPE SIZE.						
FLOOR DRAIN	FD	SIOUX CHIEF	832-36PNR	-	-	3"	2"
FLOOR DRAIN, 5" DIAMETER, 3" TRAP/OUTLET							
FLOOR CLEAN OUT	CO	SIOUX CHIEF	834-4PNR	-	-	PER PLANS	-
FLOOR CLEAN OUT, ADJUSTABLE WITH STAINLESS STEEL COVER FOR CLEANOUT LOCATIONS WITHIN CONCRETE. ALL GREASE WASTE CLEAN OUTS SHALL BE MARKED TO DISTINGUISH FROM SANITARY SEWER CLEANOUTS.							
GENERAL FIXTURE NOTES				ALTERNATE MANUFACTURERS			
1. ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.				FAUCETS: DELTA, MOEN OR SYMONS			
2. ALL P-TRAPS MADE OF METAL SHALL BE 17 GA. MINIMUM.				CHINA: MANSFIELD OR STERLING			
3. STAINLESS STEEL KITCHEN SINKS SHALL BE 20 GA. MINIMUM.				FIBERGLASS: CLARION OR AQUAGLASS			
4. FOR ACCESSIBLE FIXTURES, INSULATE ALL EXPOSED PIPING AND TRAPS WITH PLUMBEREX PRO-2000 SERIES, TRUEBRO LAV EZ SERIES, OR OTHER PRODUCT.				STAINLESS STEEL: MOEN OR ELKAY			
5. INSTALL ACCESSIBLE SINKS AND LAVATORIES NO HIGHER THAN 34" AFF TO TOP OF SINK.				VALVES/BRASS: WILKINS OR WATTS			
6. INSTALL HANDLES ON WATER CLOSETS SO THAT THE HANDLE IS ON THE WIDE SIDE OF THE ROOM OR STALL.				WATER HEATER: STATE OR AO SMITH			
7. INSTALL ASSE 1070 VALVE ON HOT WATER PIPING AT ALL PUBLIC LAVATORIES AND SINKS. SET TO 110 F.							
8. ALL P-TRAPS SHALL HAVE WET SEALS. PROVIDE TRAP PRIMERS WHERE INDICATED ON DRAWINGS.							



1
P2 PARTIAL FLOOR PLAN - DOMESTIC WATER
1/4" = 1' - 0"

GENERAL PLUMBING NOTES:

- SEE DRAWING P0 FOR GENERAL PLUMBING SPECIFICATIONS.
- SEE DRAWING P0 FOR GENERAL PLUMBING NOTES AND LEGEND
- SEE DRAWING P1 FOR FIXTURE LOAD SCHEDULE.
- VERIFY CONDITION OF MAIN WASTE PIPING. REPLACE PIPING SECTIONS AS NECESSARY. ADD CLEANOUTS AS NECESSARY.
- ALL HOT AND COLD WATER PIPING CONNECTIONS 1/2" UNLESS OTHERWISE NOTED. ALL MAIN DISTRIBUTION PIPING 3/4" UNLESS OTHERWISE NOTED.
- TRAP PRIMER WATER PIPING NOT SHOWN. REFER TO FIXTURE SCHEDULE FOR INSTALLATION LOCATIONS..

NOTES KEYED TO PLAN:

- REPLACE ELECTRIC WATER COOLER. DEMOLISH EXISTING WATER COOLER AND REWORK COLD WATER CONNECTION TO THE NEW WATER COOLER.
- REPLACE HAND SINK. DEMOLISH EXISTING HAND SINK AND REWORK EXISTING HOT AND COLD WATER CONNECTIONS FOR FOR THE NEW HAND SINK.
- REPLACE WATER CLOSET. DEMOLISH EXISTING WATER CLOSET AND REWORK EXISTING COLD WATER CONNECTION FOR THE NEW WATER CLOSET.
- DEMOLISH EXISTING SHOWER AND INSTALL NEW WATER CLOSET. DEMOLISH HOT WATER PIPING BACK TO POINT-OF-REUSE FOR NEW SHOWER. EXTEND THE COLD WATER PIPING AND REWORK THE COLD WATER CONNECTION TO THE NEW WATER CLOSET
- INSTALL NEW OUTDOOR SHOWER. EXTEND COLD WATER AND HOT WATER PIPING FROM THE CHASE TO NEW SHOWER LOCATION. PROVIDE SHOWERHEAD AND CONTROL MIXING VALVE.
- REUSE EXISTING PIPING AND FIXTURE CONNECTIONS IF POSSIBLE FOR NEW FIXTURE. EXTEND PIPING AS NEEDED.
- ASSUMED LOCATION OF EXISTING HOT AND COLD WATER PIPING.
- EXISTING WATER HEATER TO REMAIN. CLEAN, FLUSH, AND REPAIR AS NECESSARY.
- TAP MAIN HOT AND COLD WATER PIPING IN UTILITY ROOM AND EXTEND TO NEW HAND SINK IN NEW TOILET.
- TAP MAIN COLD WATER PIPING IN UTILITY ROOM AND EXTEND TO NEW WATER CLOSET IN NEW TOILET.
- EXISTING INCOMING WATER SERVICE AND MAIN SHUTOFF VALVE. TAP WITH 1" PIPING AND EXTEND TO NEW PUMP ROOM AND RPZ. CAP 1" WATER PIPING AT RPZ FOR FUTURE CONNECTION BY POOL EQUIPMENT INSTALLER.
- SUBMIT A PENETRATION DETAIL FOR THE THRU-WALL PENETRATION AND SEALING OF THE 1" WATER PIPE.

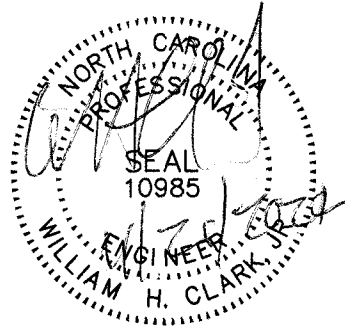
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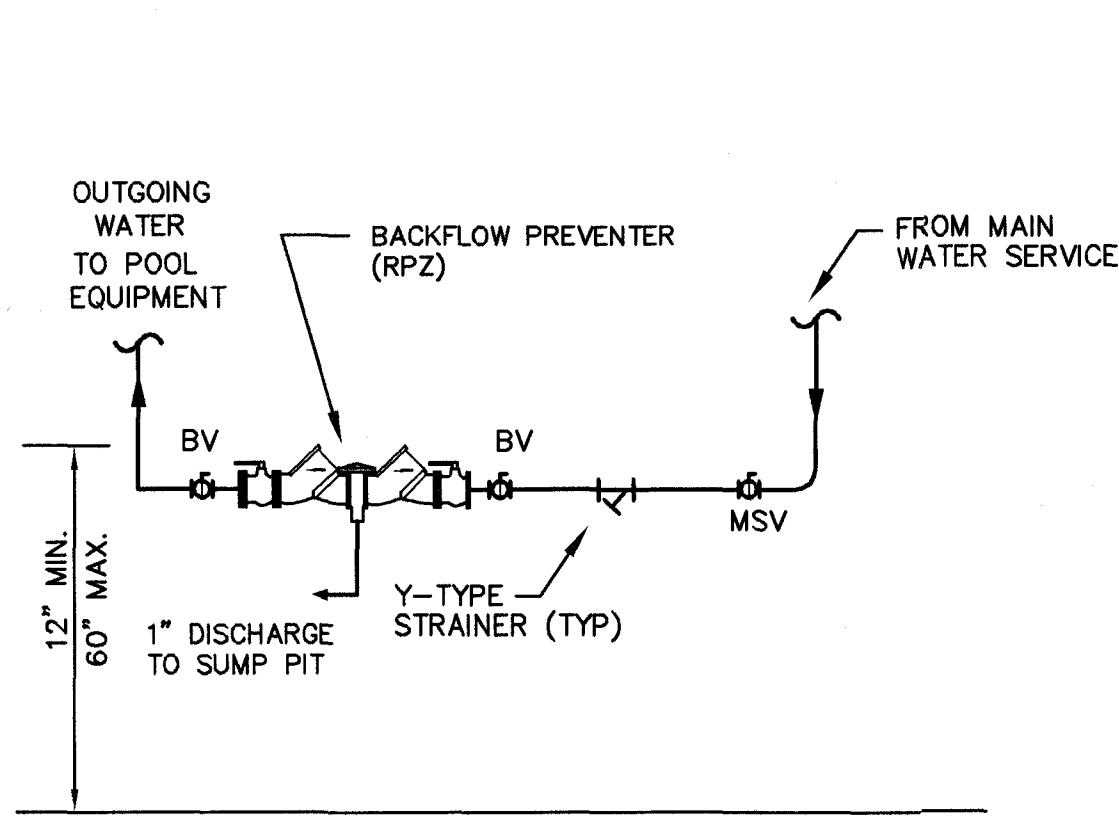
CAMP AGAPE
1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: P_2430
DRWN BY:WHCCHKD BY:WHC

PLBG FLOOR
PLAN - DOMESTIC
WATER,
SCHEDULE

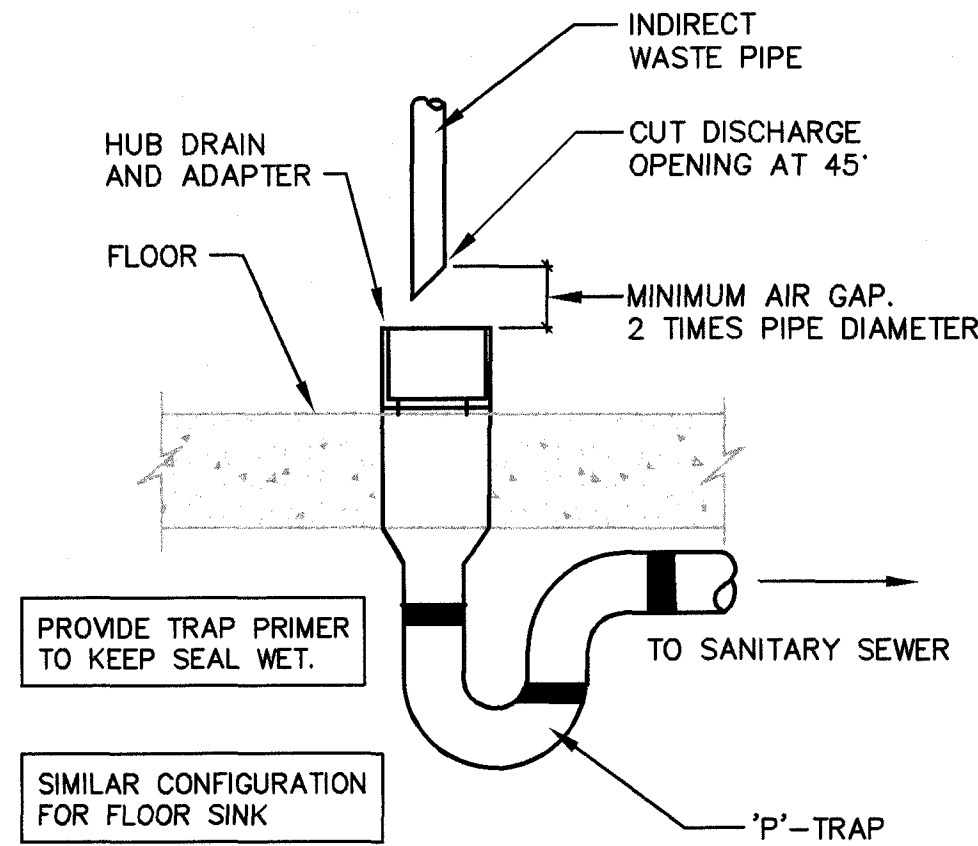
P2





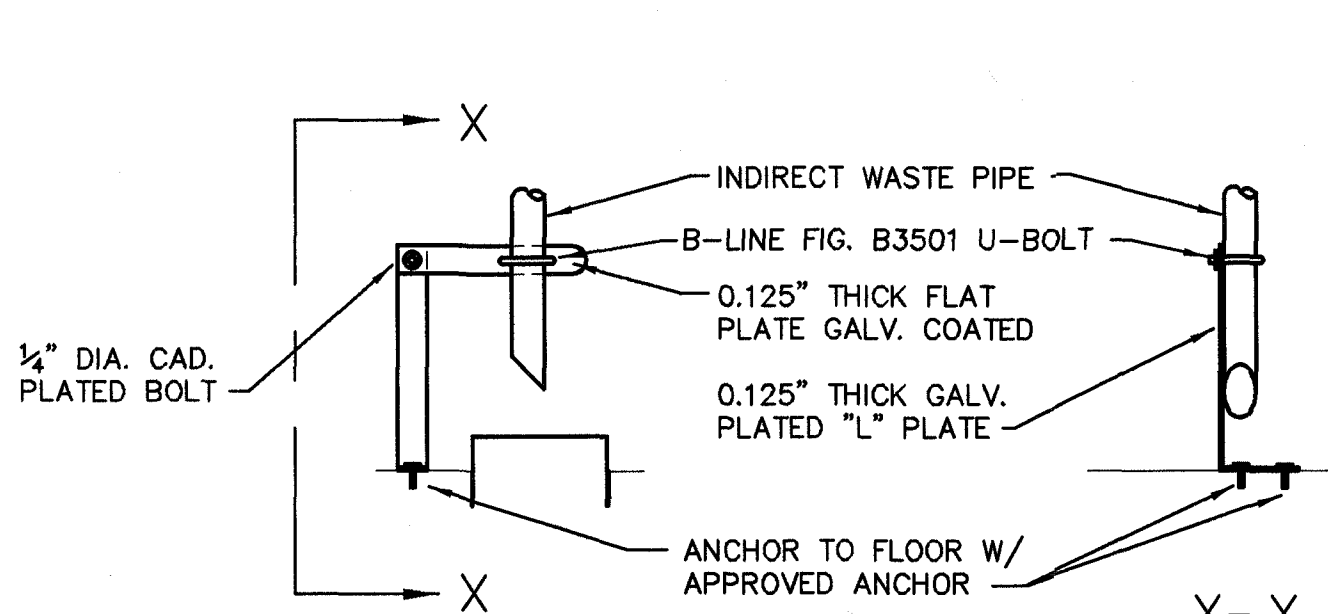
1
P3
NO SCALE

BACKFLOW PREVENTER (HORIZONTAL)



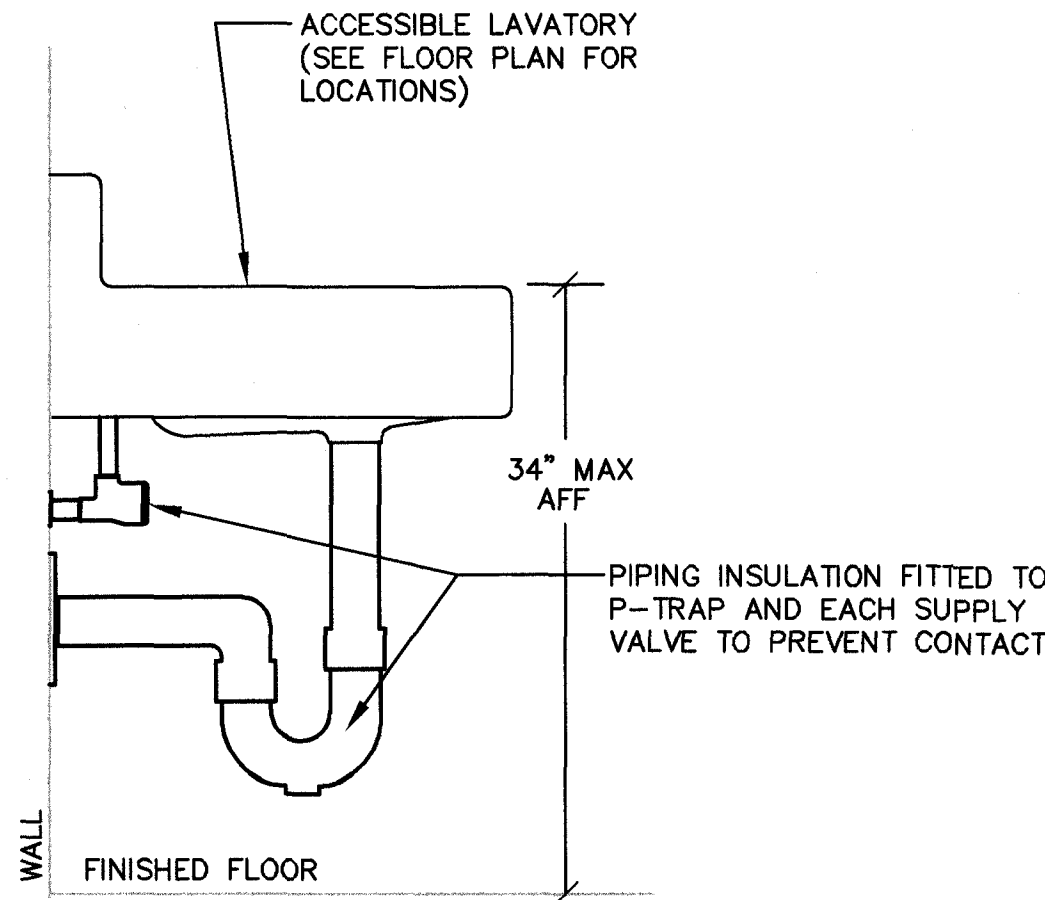
2
P3
NO SCALE

INDIRECT WASTE PIPING TO DRAIN OR FLOOR SINK



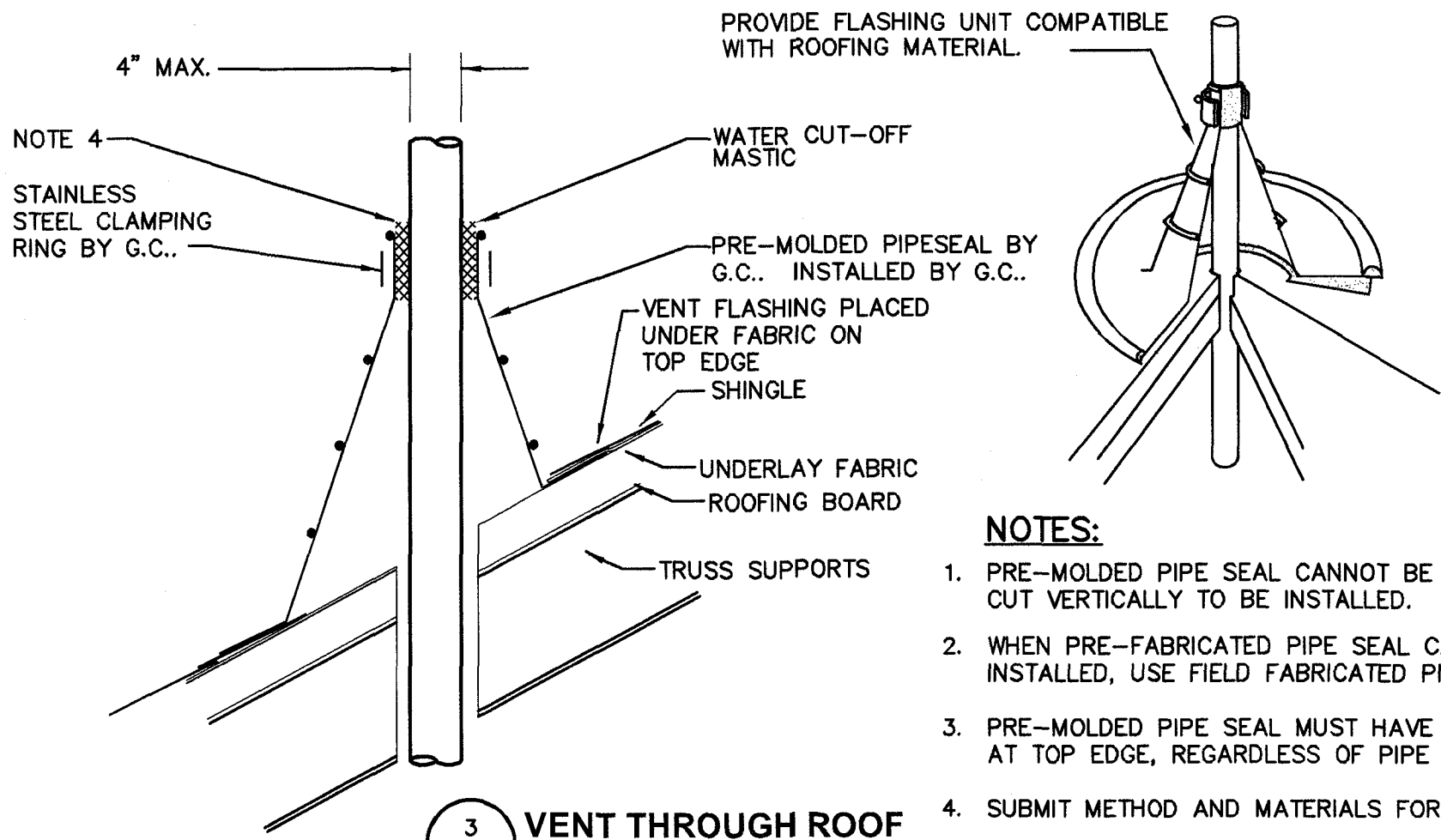
4
P3
NOT TO SCALE

INDIRECT WASTE BRACING



5
P3
NO SCALE

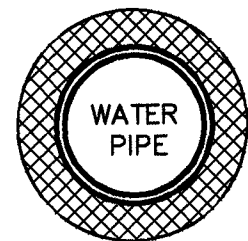
ACCESSIBLE SINK



3
P3
NO SCALE

VENT THROUGH ROOF

R-6.5 DOMESTIC WATER
PIPE INSULATION
NEOPRENE INSULATION
TAPED AT JOINTS



6
P3
NO SCALE

INSULATED WATER PIPING OUTSIDE THE THERMAL ENVELOPE

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RENOVATION/ADDITION TO POOL BUILDING FOR:

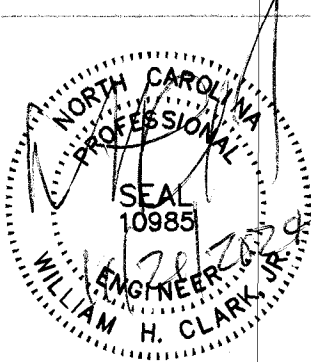
CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: P_2430
DRWN BY:WHC CHKD BY:WHC

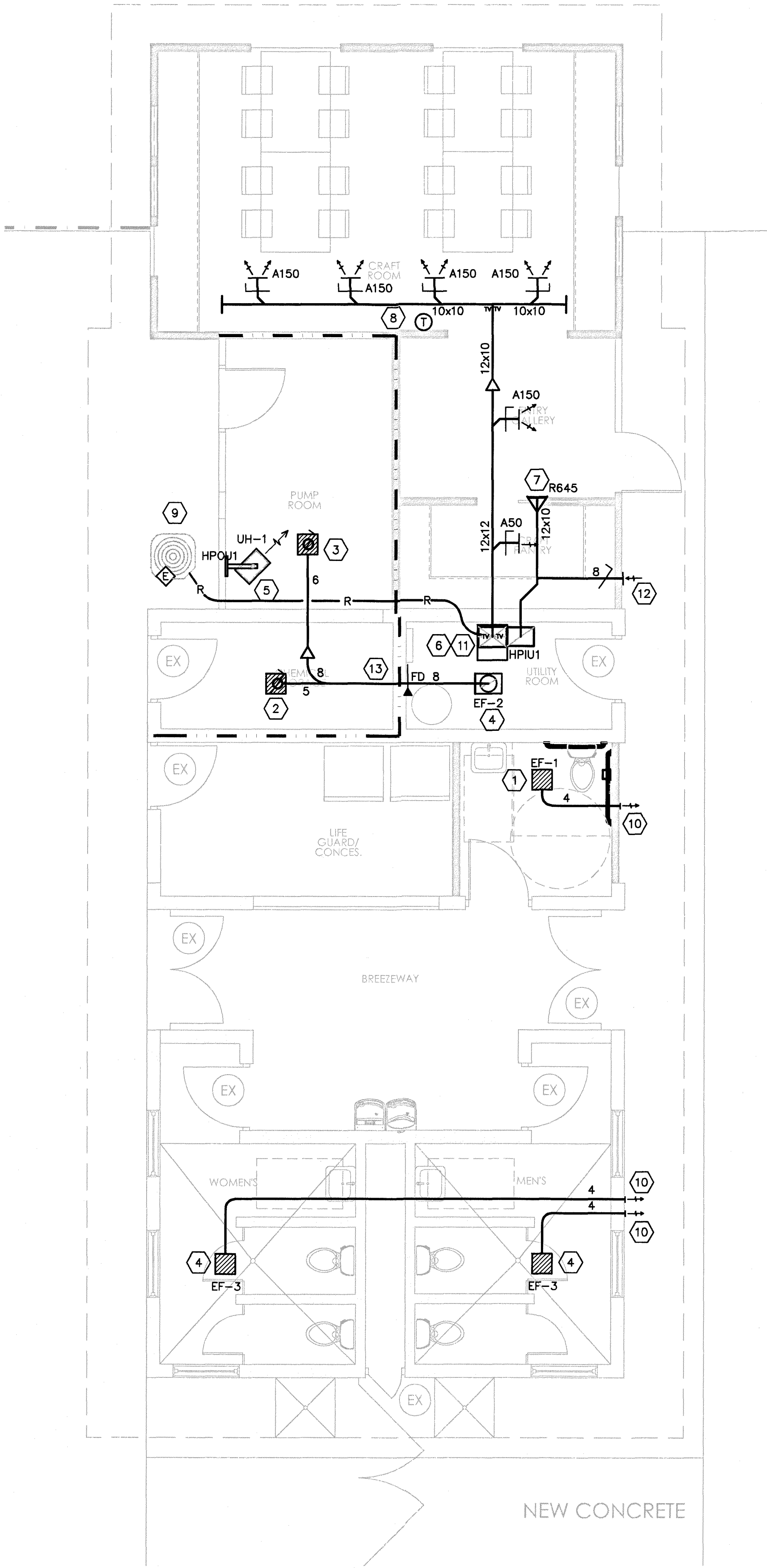
PLBG DETAILS

P3

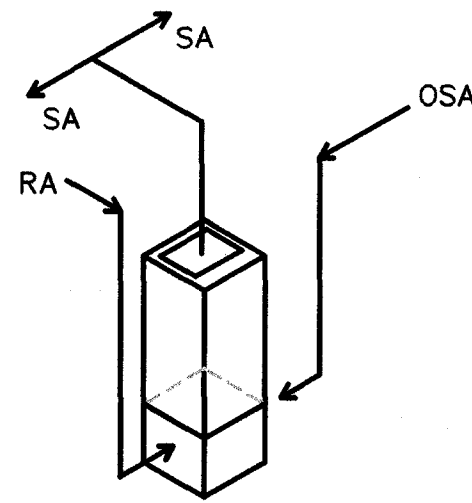


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1 FLOOR PLAN -HVAC
1/4" = 1' - 0"



HPIU-1

2 SCHEMATIC REPRESENTATION OF HPIU AND DUCTWORK
M1 NO SCALE

EXHAUST AND OUTSIDE AIR REQUIREMENTS

EXHAUST:

1 TOILET WITH (1) WATER CLOSET
EXHAUST @ 50 CFM = 80 CFM (EF-1) PROVIDED.

POOL CHEMICAL AND PUMP ROOMS
EXHAUST @ 10 AC/HR = 264 CFM = 300 CFM (EF-2) PROVIDED

2 TOILETS WITH (2) WATER CLOSETS
EXHAUST @ 100 CFM = 110 CFM (EF-3) EA PROVIDED.

OUTSIDE AIR:

CRAFT AREA @ 20/1000, 10/PERSON, 0.18/SF (264 SF)
6 PEOPLE AND 108 CFM

MAIN ENTRY @ 10/1000, 5/PERSON, 0.06/SF (87 SF)
1 PEOPLE AND 11 CFM

STORAGE @ 0 PEOPLE 0.06/SF (56 SF)
0 PEOPLE AND 4 CFM

TOTAL REQUIRED = 123 CFM/0.8 EFF = 154 CFM
TOTAL PROVIDED 155 CFM

EQUIPMENT SPECIFICATIONS

HPIU-1: GOODMAN AMST24BP13*/HKTSN501*, R-32 COIL, MULTI-POSITION, MULTI-SPEED, ECM-BASED AIR HANDLER, NOMINAL 840 CFM @ 0.9 S.P. AT MID-SETTING, 5 KW HEAT STRIP, AND INTERNAL TXV. (MCA/MOCP = 30.8/35)

HPOU FEATURES AND ACCESSORIES: SINGLE-POINT ELECTRICAL CONNECTION, FRONT ACCESSIBLE FOR SERVICING, FRONT CONTROLS, FILTER RACK, R-32 REFRIGERANT LINE SET AND CONNECTIONS W/1.5" INSULATION, DRAIN PAN, 1" GRAVITY DRAIN PIPE TO EXTERIOR WALL, CONDENSATE P-TRAP W/SHUTOFF SWITCH, AND PROGRAMMABLE THERMOSTAT.

HPOU-1: GOODMAN GLZ4S4BA1810A* R-32 SPLIT SYSTEM OUTDOOR HEAT PUMP, NOMINALLY-RATED WITH HPIU INDOOR UNIT 17.4 MBH TOTAL, 12.5 SENSIBLE, AND 4.9 MBH LATENT, (MCA/MOCP = 11.2/15)

HPOU FEATURES AND ACCESSORIES: TOP AND SIDE MAINTENANCE ACCESS, HIGH-EFFICIENCY COMPRESSOR, SINGLE-SPEED PSC CONDENSOR FAN MOTOR, FILTER DRIER, SUCTION LINE ACCUMULATOR, COMPRESSOR CRANKCASE HEATER, HIGH-CAPACITY MUFFLER, HIGH- AND LOW-PRESSURE SWITCHES, OUTDOOR LOCKOUT OF SUPPLEMENTARY HEAT STRIPS (35F-40F), AND PAD.

* VERIFY HEAT PUMP EQUIPMENT SELECTIONS AND EXACT MODEL NUMBERS WITH SUPPLIER BASED ON 75F INDOOR DRY BULB, 63F WB, AND 95F OUTDOOR DB.

UH-1: RAYWALL 21WD5T01 UNIT HEATER, NEMA 4X, CORROSION-RESISTANT, OFF-HEAT-FAN SWITCH, PILOT LIGHT, LV CONTROLS WITH HIGH TEMPERATURE LIMITS, INLET GRILLE FAN GUARD, OUTLET GRILLE WITH LOUVERS. 5 KW, 240V/1P,

EF-1: BROAN HBB0RL CEILING-MOUNTED EXHAUST FAN 80 CFM, 120V/1P

EF-2: TWIN CITY FIBERGLASS 10WA UPBLAST ROOF-MOUNTED VENTILATOR, CORROSION RESISTANT, PVC BIRDSCREEN, FABRIC BACKDRAFT DAMPER, DUCT ADAPTER, AND ROOF CURB. NOMINAL 300 CFM @.25 SP, 120V/1P

EF-3: BROAN HB110RL CEILING-MOUNTED EXHAUST FAN 110 CFM, 120V/1P

GENERAL MECHANICAL NOTES:

- SEE GENERAL MECHANICAL SPECIFICATIONS ON DRAWING MO.
- SEE GENERAL MECHANICAL NOTES AND LEGEND ON DRAWING MO.
- DEMOLISH ALL EXISTING MECHANICAL SYSTEMS IN THE BUILDING.
- ENSURE ALL SOURCES OF BUILDING EXHAUST ARE MINIMUM 10' HORIZONTALLY FROM ALL OUTSIDE AIR INTAKES.
- CONFIRM EQUIPMENT SELECTIONS WITH SUPPLIERS FOR A COORDINATED SYSTEM. SUBSTITUTE MANUFACTURERS AND MODELS ALLOWED IF PRE-ACCEPTED BY THE ENGINEER.

NOTES KEYED TO PLAN

- UNDERCUT DOOR BY 1" ABOVE FINISHED FLOOR FOR RETURN AIR.
- SET EXHAUST AIR VOLUME DAMPER FOR 200 CFM (MIN. 10 AC/HR CONTINUOUS OPERATION).
- SET EXHAUST AIR VOLUME DAMPER FOR 100 CFM (MIN. 10 AC/HR CONTINUOUS OPERATION)
- FAN ON ROOF DIRECTS EXHAUST AWAY FROM POOL
- COORDINATE LOCATION WITH POOL EQUIPMENT INSTALLERS.
- MAINTAIN 36" CLEARANCE FROM FRONT OF PANEL.
- NOMINAL 18x14 AIR GRILLE ABOVE DOOR FOR RETURN AIR.
- COORDINATE DUCT HEIGHT IN ROOM WITH ARCHITECT. POSITION DUCT CLOSE TO WALL.
- OUTDOOR UNIT ON PAD. SEE SPECIFICATION FOR REFRIGERATION SYSTEM CHARGING REQUIREMENTS.
- ROUTE EXHAUST DUCT TO EXTERIOR WALL AS SHOWN AND TERMINATE IN DISCHARGE CAP WITH BACKDRAFT DAMPER AND BIRD SCREEN. MAINTAIN MINIMUM 10' DISTANCE FROM ALL AIR INTAKES. FAN OPERATED BY LIGHT SWITCH.
- ROUTE CONDENSATE PIPES FOR AIR HANDLER AND DRAIN PAN TO FLOOR DRAIN IN ROOM.
- OUTSIDE AIR INTAKE AND DUCTWORK TO HPIU RETURN. SET OUTSIDE AIR VOLUME DAMPER FOR 155 CFM.
- SUBMIT A PENETRATION DETAIL FOR THE THRU-WALL PENETRATION AND SEALING OF THE REFRIGERANT LINE SET, INSULATION, AND WIRING.

RENOVATION/ADDITION TO POOL BUILDING FOR:

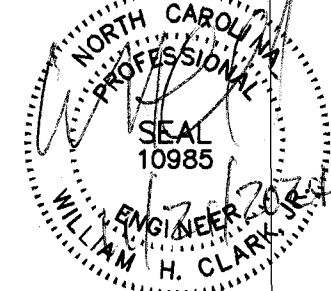
CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: M_2430
DRWN BY:WHC CHKD BY:WHC

HVAC FLOOR
PLAN AND
SCHEDULES

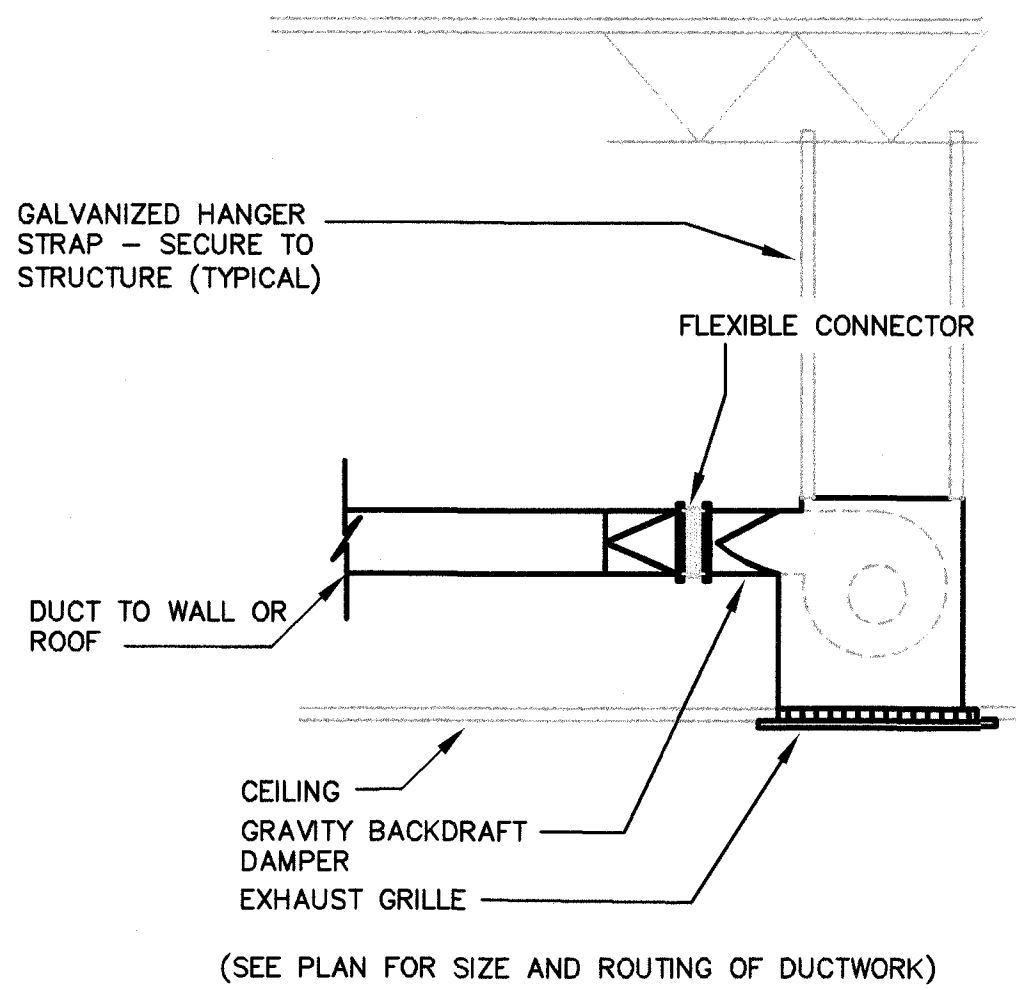
M1



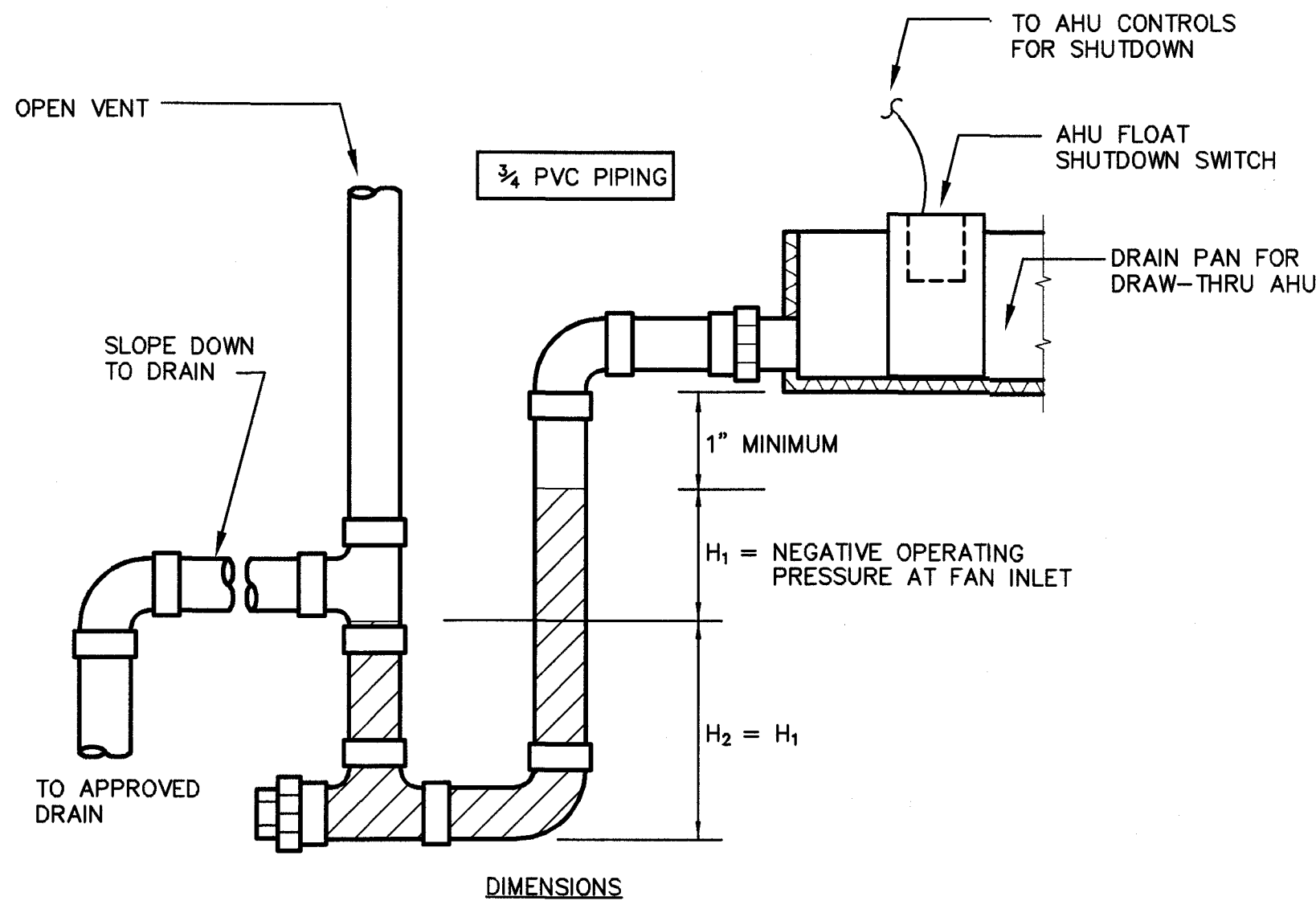
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4
M2
CEILING EXHAUST FAN
NO SCALE

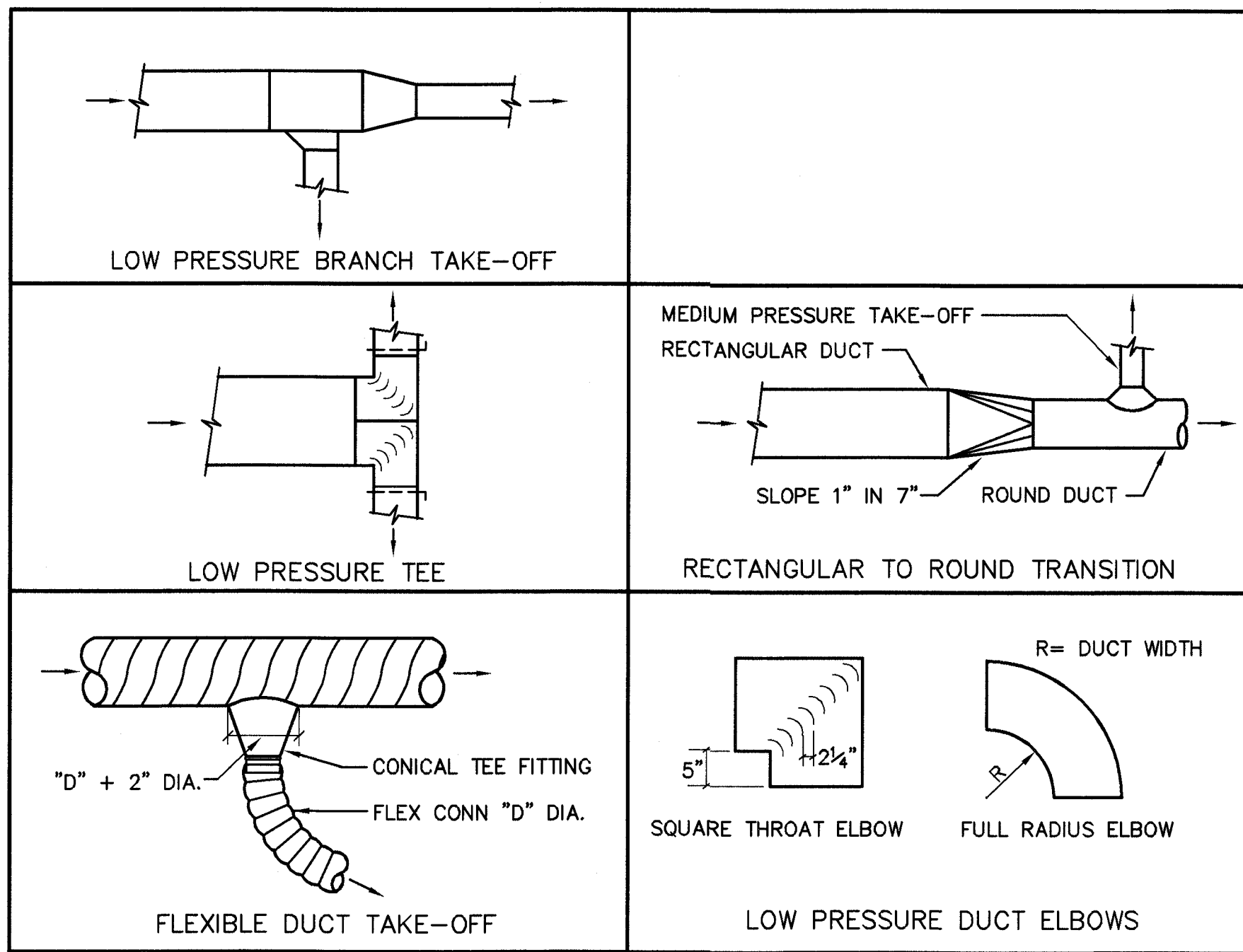


DIMENSIONS

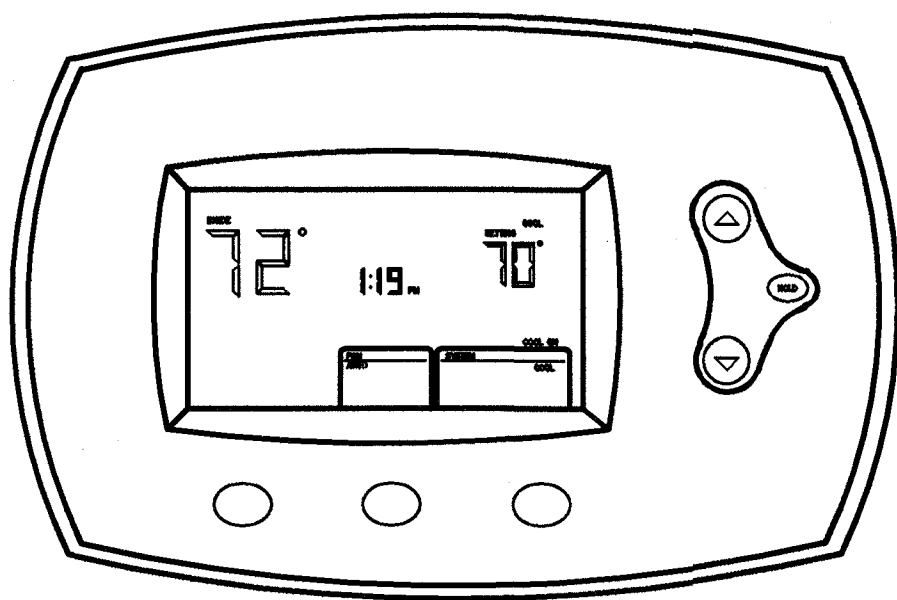
H ₁ PIPE DISTANCE	
MIN. PIPE SIZE	MAX. COIL LOAD (TONS)
3/4"	2
1"	5
1 1/4"	30

PITCH HORIZONTAL DRAIN LINE 1" IN 10 FEET

1
M2
CONDENSATE PIPING - DRAW THRU AHU
NO SCALE

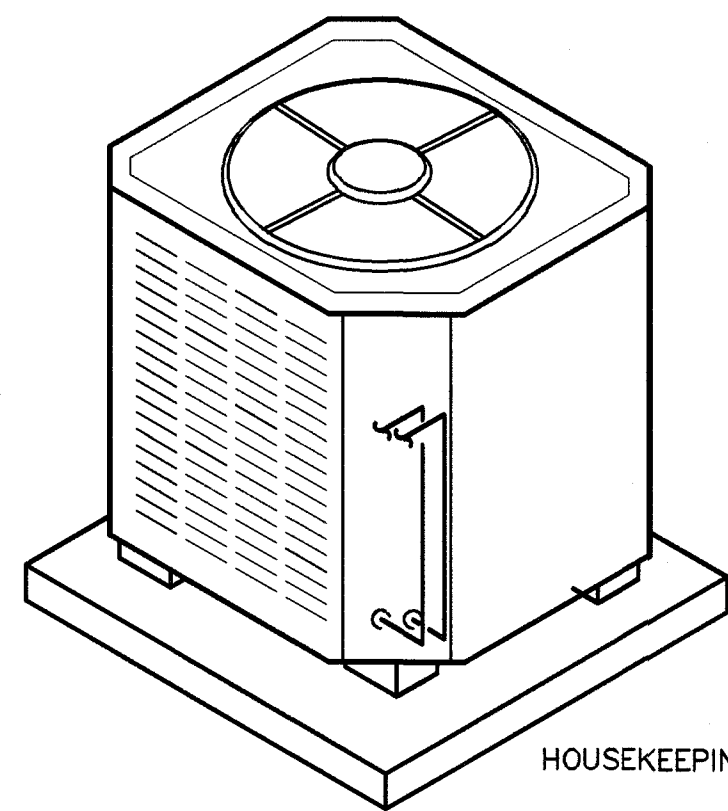


5
M2
DUCT FITTINGS
NO SCALE

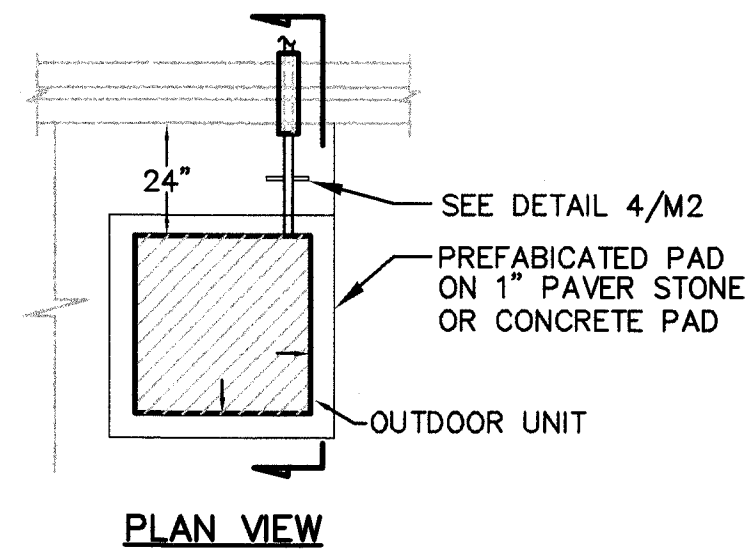


NOTES:
1. DIGITAL AND PROGRAMMABLE.
2. ADAPTIVE RECOVERY
3. HEAT PUMP OPERATION

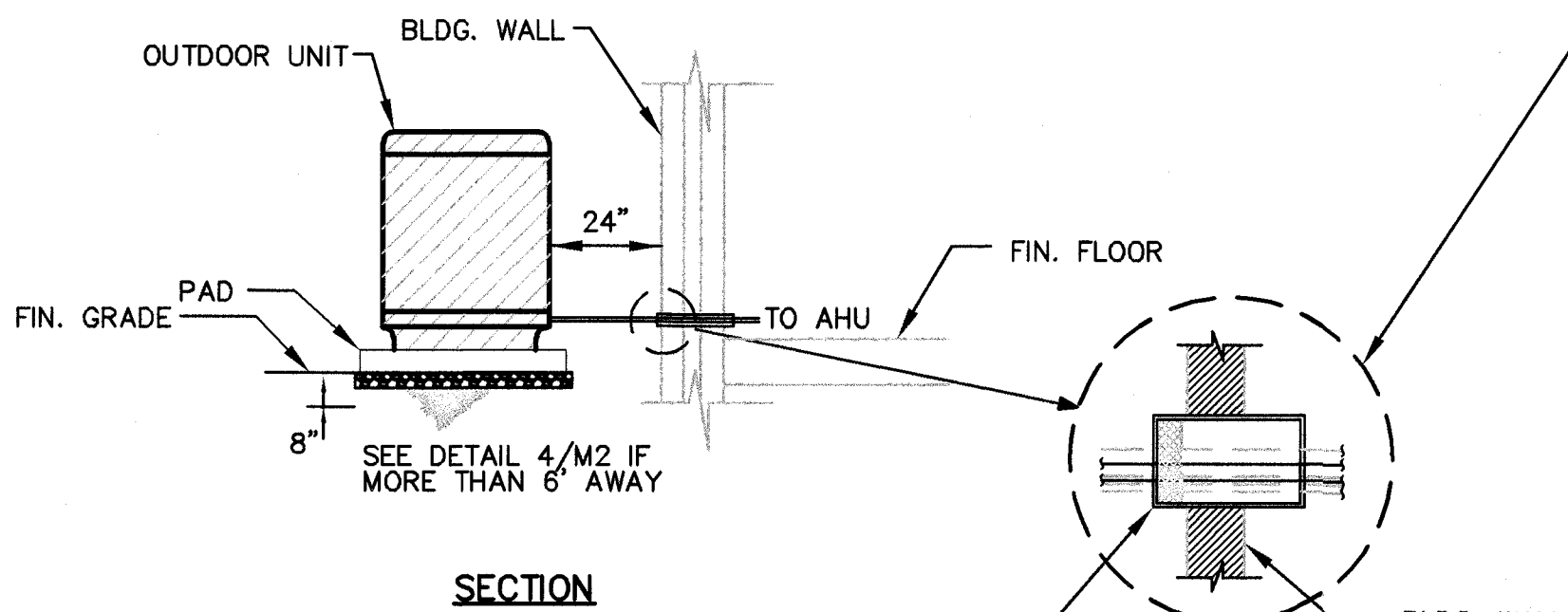
2
M2
DIGITAL/PROGRAMMABLE THERMOSTAT (TYP)
NO SCALE



3
M2
TYPICAL OUTDOOR HEAT PUMP
NOT TO SCALE:



LEAVE A NOMINAL 1/4" SPACE AT PIPING FACE AND FILL WITH CLOSED CELL NEOPRENE FOAM INSULATION TO PROVIDE BACKING FOR SILICONE CAULKING



6
M2
OUTDOOR CONDENSING UNIT AND REFRIGERANT PIPING
NOT TO SCALE:

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RENOVATION/ADDITION TO POOL BUILDING FOR:

CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

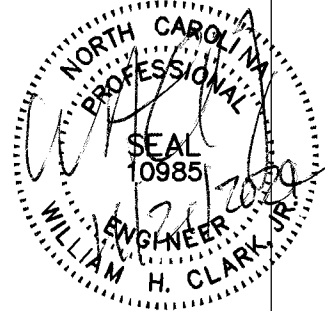
PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: M_2430
DRWN BY:WHCCHKD BY:WHC

HVAC
DETAILS

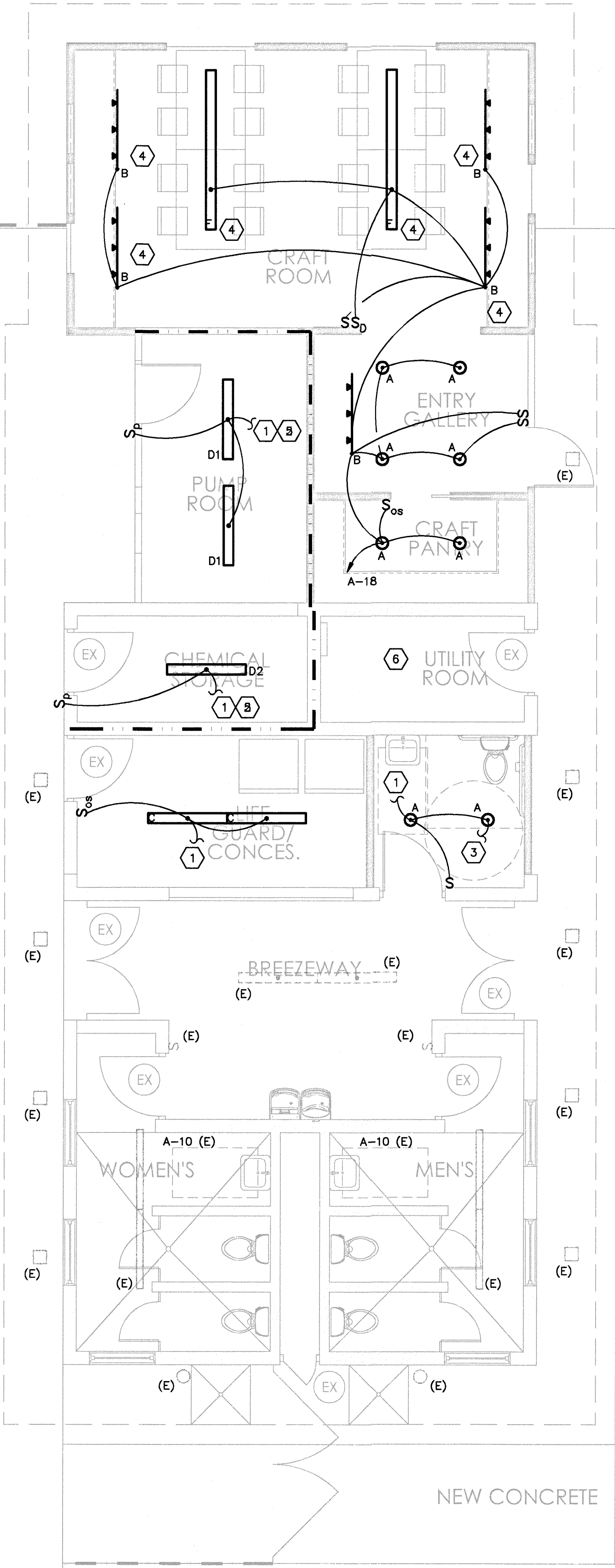
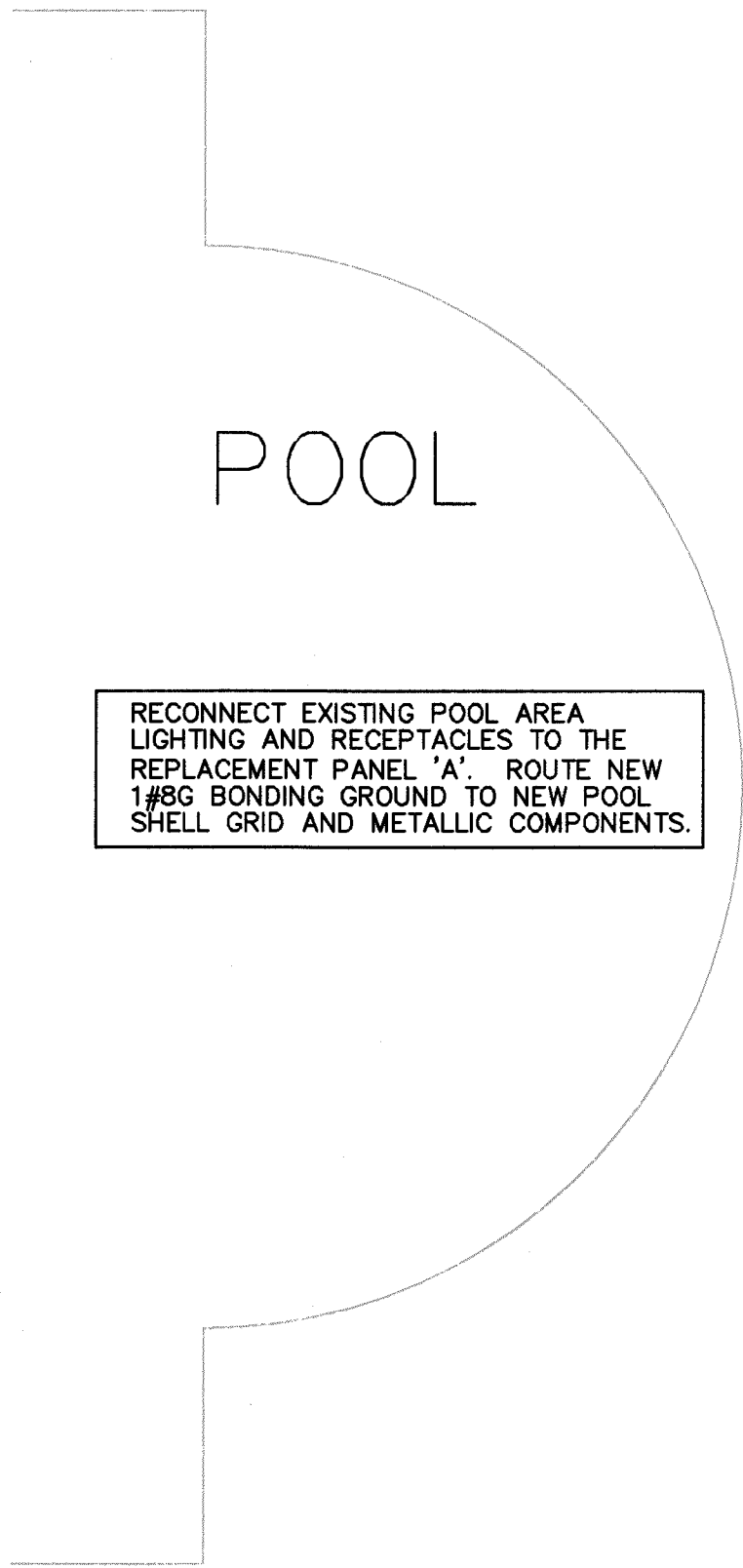
M2

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LIGHTING FIXTURE SCHEDULE							
MARK	DESCRIPTION	LAMPS/ FIXTURE	LAMP TYPE	BALLAST TYPE	BALLAST/ FIXTURE	WATTS/ FIXTURE	NOTES
A	6" LED WAFER FIXTURE HALO HLBLS6099FS351EMWR	LED ARRAY	LED 3500K	LED DRIVER	1	12.5	793 LUMENS, IC RATED, WET LABEL SWITCHABLE COLOR, DIMMABLE EXCEPT FOR FIXTURES MARKED "EG"
B	4' LED LINEAR TRACK WITH ADJUSTABLE FIXTURES HAMPTON BAY 804679	LED ARRAY	LED 3500K	LED DRIVER	1	30	MAX 2400 W, COMPATIBLE WITH HAMPTON BAY LED 81 SERIES TRACK HEADS PROVIDE 3 HEADS FOR EACH TRACK
C	LED 4' ENCLOSED SURFACE MOUNT COMMERCIAL ELECTRIC WR4840K40LWL	LED ARRAY	LED 3500K	LED DRIVER	1	48	4000 LUMENS
D1	SURFACE MTD LED FIBERGLASS FIXTURE COLUMBIA LXEM4-35WV-RA-EDU	1	LED ARRAY	LED DRIVER	----	60	
D2	SURFACE MTD LED FIBERGLASS FIXTURE COLUMBIA LXEM4-35HL-RA-EDU	1	LED ARRAY	LED DRIVER	1	18	
F	LED 8' SUSPENDED ENCLOSED FIXTURE LITHONIA LL81000LM80CR35KEPDMIN10_MVOLT_WH	LED ARRAY	LED 3500K	LED DRIVER	1	79	10000 LUMENS, DIMMABLE TO 10% SUSPENDED AT 8'-6" AFF
							NOTES: 1. ALL BALLASTS SHALL HAVE A MINIMUM 90% POWER FACTOR RATING 2. SEE RCP NOTES ON ARCHITECT'S A400 DRAWING.



1 FLOOR PLAN - LIGHTING
1/4" = 1' - 0"

GENERAL LIGHTING NOTES:

- SEE GENERAL ELECTRICAL SPECIFICATIONS ON DRAWING E0.
- SEE GENERAL ELECTRICAL NOTES AND LEGEND ON DRAWING E0.
- INVESTIGATE ALL EXISTING WIRING TO REMAIN AND DETERMINE CONDITION. RECONNECT EXISTING WIRING TO THE NEW PANEL BY EXTENDING THE CIRCUIT WITH SAME SIZE CONDUCTORS AS NECESSARY. SEPARATE CIRCUITS WHERE APPROPRIATE TO CONFORM TO THE NEW PANEL SCHEDULE.

NOTES KEYED TO PLAN

- CONNECT TO EXISTING LIGHTING CIRCUIT IN VICINITY.
- SUBMIT A PENETRATION DETAIL FOR THE THRU-WALL PENETRATION AND SEALING OF THE CONDUITS IF EXISTING CIRCUIT IS OUTSIDE FIRE-RATED AREA.
- TO EXHAUST FAN CONTROLLED BY LIGHT SWITCH.
- SEE LIGHT FIXTURE SCHEDULE AND ARCHITECT'S RCP FOR MOUNTING HEIGHTS.
- COORDINATE FIXTURE LOCATIONS TO AVOID CONFLICTS WITH EQUIPMENT AND RACKS. COORDINATE WITH OWNER AND POOL INSTALLER TO CHOOSE LOCATIONS FOR MAXIMUM ILLUMINATION OF PRODUCTS AND EQUIPMENT TO BE MAINTAINED.
- NO LIGHTING CHANGES IN THIS ROOM.

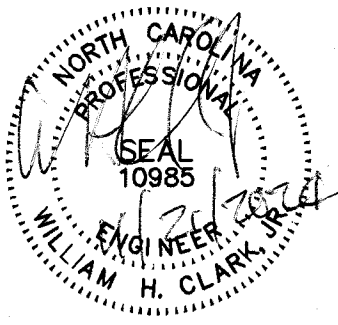
RENOVATION/ADDITION TO POOL BUILDING FOR:

CAMP AGAPE
1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: E_2430
DRWN BY:WHCCHKD BY:WHC

ELEC FLOOR
PLAN - LIGHTING
AND FIXTURE
SCHEDULE

E1



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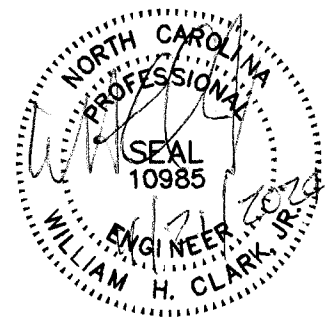
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GENERAL POWER NOTES:

- SEE GENERAL ELECTRICAL SPECIFICATIONS ON DRAWING E0.
- SEE GENERAL ELECTRICAL NOTES AND LEGEND ON DRAWING E0.
- INVESTIGATE ALL EXISTING WIRING TO REMAIN AND DETERMINE CONDITION. RECONNECT EXISTING WIRING TO THE NEW PANEL BY EXTENDING THE CIRCUIT WITH SAME SIZE CONDUCTORS AS NECESSARY. SEPARATE CIRCUITS WHERE APPROPRIATE TO CONFORM TO THE NEW PANEL SCHEDULE.
- FOR THE POOL SCOPE OF WORK, PROVIDE ALL WIRING PER NEC 680 INCLUDING BONDING/GROUNDING OF THE POOL SHELL, POOL WATER, POOL EQUIPMENT, LIGHTS, WITH A COMMON BONDING GRID.
- USE NONMETALLIC PIPING WITH INSULATED GROUNDING CONDUCTORS. PROVIDE #8 BONDING CONDUCTOR FROM THE POOL SHELL AND POOL LIGHTS TO THE POOL BONDING GRID, THE PANEL 'A' EQUIPMENT GROUND BAR, AND PUMP MOTOR.
- GROUND FAULT PROTECTION SHALL BE PROVIDED ON ALL ELECTRICAL CIRCUITS WITHIN THE POOL AREA INCLUDING ALL ACCESSORY EQUIPMENT, ELECTRIC DRINKING FOUNTAINS, AND BATH HOUSE/MINIMUM TOILET FACILITY RECEPTACLES. JUNCTION BOXES MUST BE ABOVE THE POOL WATER LEVEL AND MUST NOT BE A TRIP HAZARD.
- PROVIDE APPROVED CONNECTIONS FOR ALL CONDUCTORS.
- LOCATION OF ALL PUMPS, OUTLETS, EQUIPMENT, ETC, SHALL BE VERIFIED WITH POOL EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. NOTIFY ENGINEER IMMEDIATELY OF ANY ADDITIONAL REQUIREMENTS BY POOL EQUIPMENT SUPPLIER.

NOTES KEYED TO PLAN

- EMERGENCY PHONE LOCATION WITH 911 ACCESS AND EMERGENCY POWER OFF SWITCH. COORDINATE EXACT LOCATION WITH RULES. PROVIDE SIGNAGE FOR PHONE TO READ: "EMERGENCY PHONE. FOR EMERGENCY, DIAL 911. POOL PHONE NUMBER, POOL STREET ADDRESS." PROVIDE SIGNAGE FOR EPO SWITCH TO READ: "EMERGENCY POWER OFF"
- 1#8CUG TO POOL SHELL. REFER TO POOL DESIGNER'S DRAWINGS FOR EXACT LOCATION OF CONNECTIONS. SEE POOL DRAWING SP-3.
- FANS SHALL RUN CONTINUOUSLY.
- CONNECT NEW EXHAUST FANS TO THE LIGHTING CIRCUIT. FAN CONTROLLED BY LIGHT SWITCH.
- REFER TO POOL DESIGNER'S DRAWINGS FOR EXACT LOCATION OF ALL EQUIPMENT AND POINTS OF CONNECTION IN POOL EQUIPMENT ROOM. COORDINATE DISCONNECTING MEANS AND LOCATIONS WITH FINAL EQUIPMENT LOCATIONS AND INSTALLATION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- PROVIDE SCHEDULE 40 PVC CONDUITS AND BOXES FOR ALL CIRCUITS WITHIN THIS ROOM. LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUITS ALLOWED FOR CONNECTIONS.
- CONNECT TO LIGHTING CIRCUIT IN VICINITY (UNSWITCHED).



RENOVATION/ADDITION TO POOL BUILDING FOR:

CAMP AGAPE

1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430

DATE: 11/19/24

CAD DWG FILE: E_2430

DRWN BY:WHCCHKD BY:WHC

ELEC FLOOR
PLAN - PWR/IT
AND SCHEDULE

E2

PANEL A

CCT	LOAD	DESCRIPTION	C	G	W	CB	CCT	CCT	CB	W	G	C	DESCRIPTION	LOAD	CCT
1	2040	POOL PUMP (NEW) GFP	1/2	10	10	35	1	2	20	12	12	1/2	GFCI RECEPT BELOW(EXTG)	360	2
3	2040	" "	--	--	10	2P	3	4	20	12	12	1/2	VENDING RECEPTS(REUSE) GFP	1000	4
5	2250	WATER HEATER (EXTG)	1/2	10	10	30	5	6	20	12	12	1/2	BATH HAND DRYER(EXTG)	1000	6
7	2250	" "	--	--	10	2P	7	8	20	12	12	1/2	LIGHTING (EXTG)	600	8
9	600	WATER COOLER (REUSE)	1/2	12	12	20	9	10	20	12	12	1/2	BATH LITES(EXTG)	400	10
11	1120	SHELTER (EXTG)	1/2	12	12	20	11	12	20	12	12	1/2	OVERHEAD LIGHTS(EXTG)	400	12
13	1580	LIGHTS AND RECEPTS(EXTG)	1/2	12	12	20	13	14	20	12	12	1/2	PUMP RM RECEPT/MISC	540	14
15	540	NEW RECEPTACLES CONCESSIONS	1/2	12	12	20	15	16	20	12	12	1/2	RECEPT CRAFTS RM (NEW)	1080	16
17	350	EF-2	1/2	12	12	20	17	18	20	12	12	1/2	CRAFT RM/GALLERY LIGHTS	683	18
19	3696	HPIU-1 (BREAKER LOCK)	3/4	10	8	35	19	20	--	--	--	--	SPACE ONLY	0	20
21	3696	" "	--	--	8	2P	21	22	--	--	--	--	SPACE ONLY	0	22
23	1344	HPOU-1	1/2	12	12	15	23	24	--	--	--	--	SPACE ONLY	0	24
25	1344	" "	--	--	12	2P	25	26	--	--	--	--	SPACE ONLY	0	26
27	2500	UH-1	1/2	10	10	30	27	28	--	--	--	--	SPACE ONLY	0	28
29	2500	" "	--	--	10	2P	29	30	--	--	--	--	SPACE ONLY	0	30

240 / 120 V 150 A MINIMUM BUS SIZE SURFACE MOUNTING
1 PHASE 150 MCB NEMA 1 ENCLOSURE
3 WIRE 10,000 MINIMUM AIC RATING GROUND BAR

- NOTES:
- REPLACE EXTG PANEL. RELOCATE EXISTING CIRCUITS NOT AFFECTED BY THIS WORK TO THE NEW PANEL.
 - PROVIDE HACR RATED BREAKERS FOR MOTOR AND HVAC LOADS.
 - VERIFY NEUTRAL CONDUCTOR REQUIREMENTS FOR EACH CIRCUIT. COLOR-CODE ALL CONDUCTORS.
 - PROVIDE PRINTED DIRECTORY WITH ROOM NAMES. PROVIDE GFP ON VENDING AND POOL BREAKERS.
 - PROVIDE A SHUNT TRIP ON THE MAIN BREAKER WITH COIL-CLEARING CONTACTS FOR EPO FUNCTION.

CONNECTED LOADS	
PHASE A:	17.3 KVA
PHASE B:	16.6 KVA
TOTAL:	33.9 KVA
DEMAND:	141.3 A

NOTE TO CONTRACTOR

ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL WORK WITH POOL INSTALLER TO PROVIDE ALL APPURTENANCES NECESSARY FOR FULLY FUNCTIONAL POOL EQUIPMENT ROOM AND DECK AREA PER POOL DESIGNER AND OWNER'S SPECIFICATIONS.

NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS.

ALL FIXTURES AND CONDUITS IN THE CHEMICAL STORAGE ROOM SHALL BE LISTED CORROSION RESISTANT

ALL EQUIPMENT AND CONDUITS IN THE POOL EQUIPMENT ROOM SHALL BE LISTED CORROSION RESISTANT

POOL

RECONNECT EXISTING POOL AREA LIGHTING AND RECEPTACLES TO THE REPLACEMENT PANEL 'A'. ROUTE NEW 1#8G BONDING GROUND TO NEW POOL SHELL GRID AND METALLIC COMPONENTS.

1 FLOOR PLAN - POWER/IT
E2 1/4" = 1' - 0"

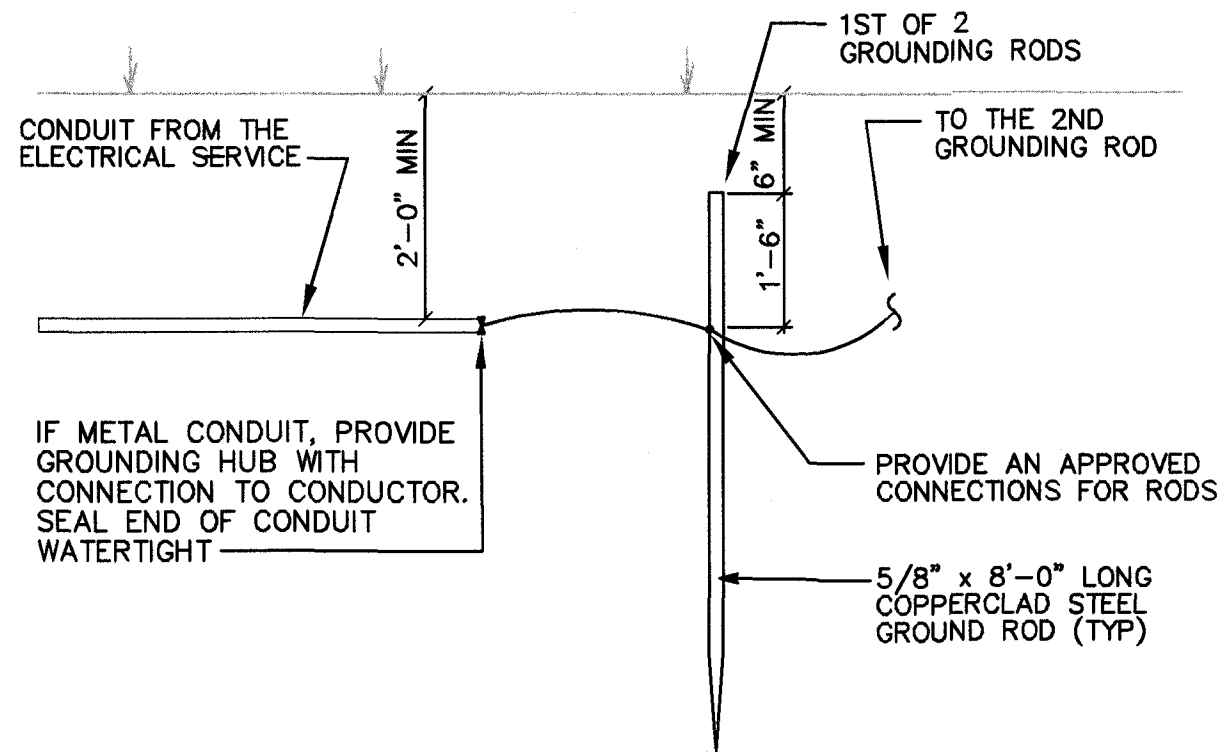
WIRING DEVICE MOUNTING HEIGHTS:

IN GENERAL, MOUNT ALL WIRING DEVICES AT:

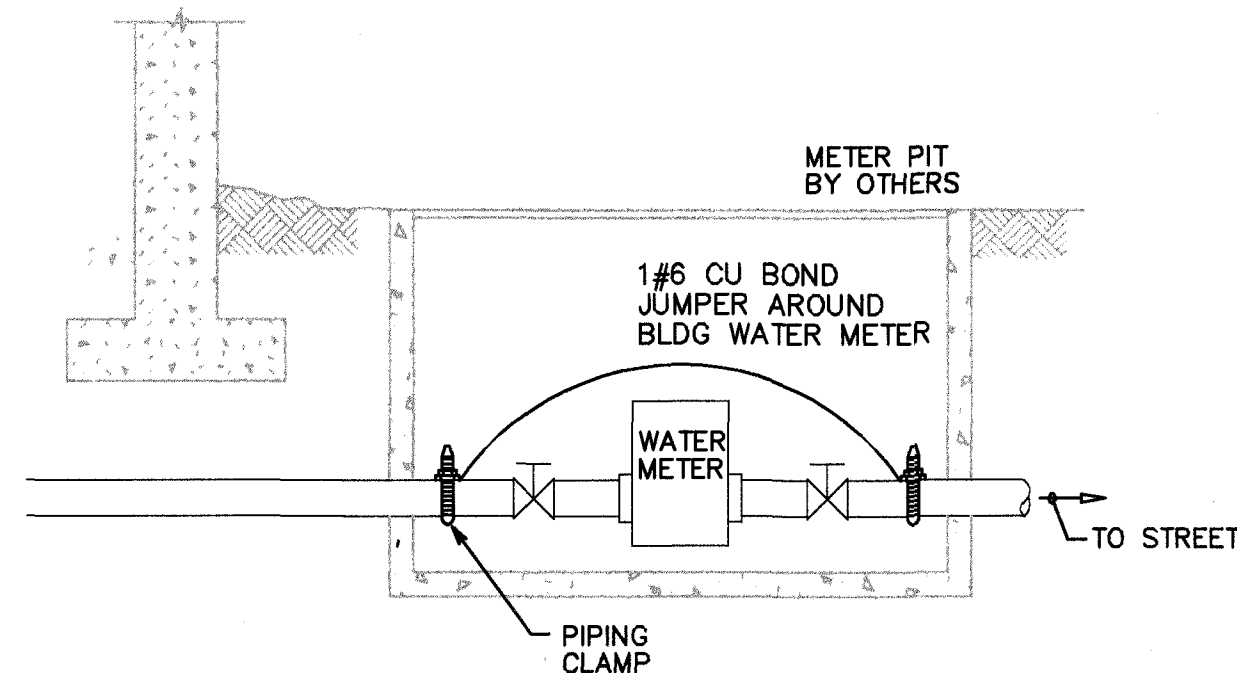
- 48" MAX ABOVE FINISHED FLOOR (AFF) TO HIGHEST OPERABLE PART FOR ALL THERMOSTATS.
- 48" MAX AFF TO HIGHEST OPERABLE PART IN "ON" POSITION FOR ALL LIGHT SWITCHES.
- 15" MIN AFF TO CENTERLINE OF LOWEST RECEPTACLE (OR 18" MIN TO CENTERLINE OF BOX) FOR ALL WALL RECEPTACLES.
- 48" MAX AFF TO CENTERLINE OF HIGHEST RECEPTACLE.

MOUNT BATHROOM RECEPTACLES AT:

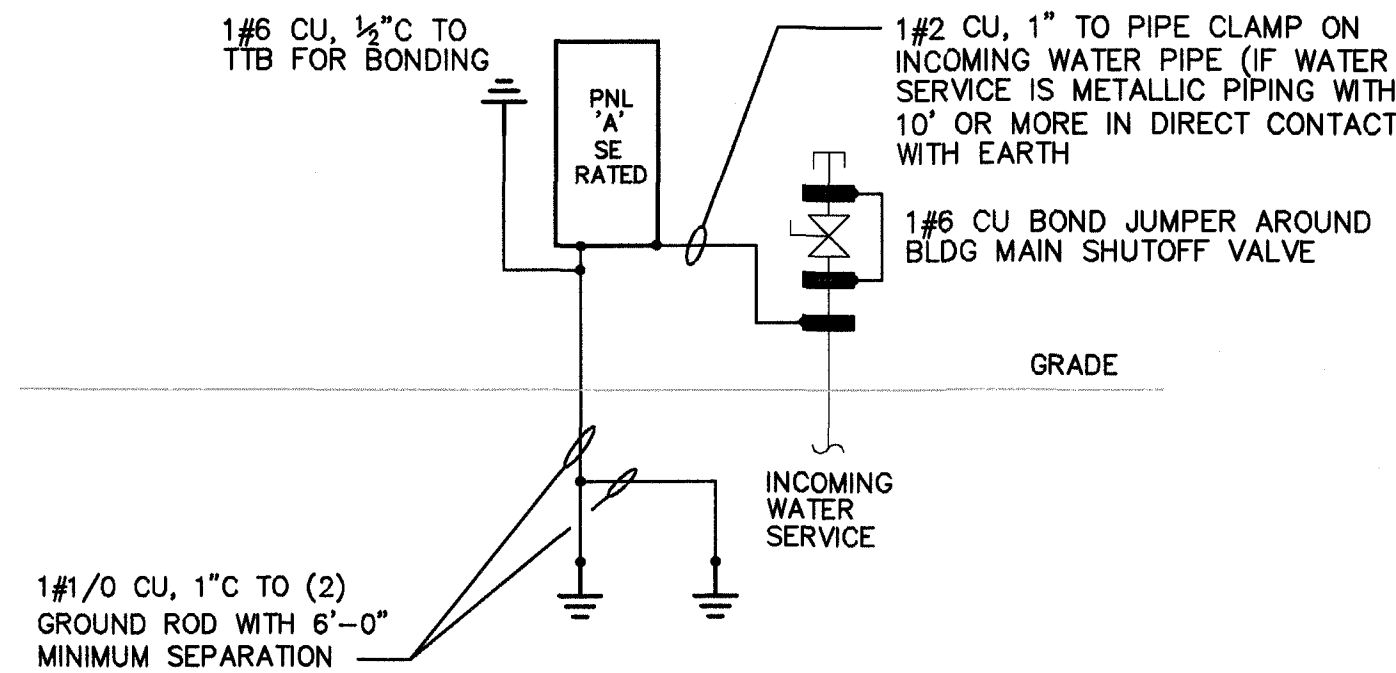
- 44" MAX AFF TO CENTERLINE OF HIGHEST RECEPTACLE.
- 12" MIN FROM ANY OBSTRUCTION.
- 12" MAX FROM LEADING EDGE OF VANITY COUNTER OR SINK, IF ON SIDE WALL.



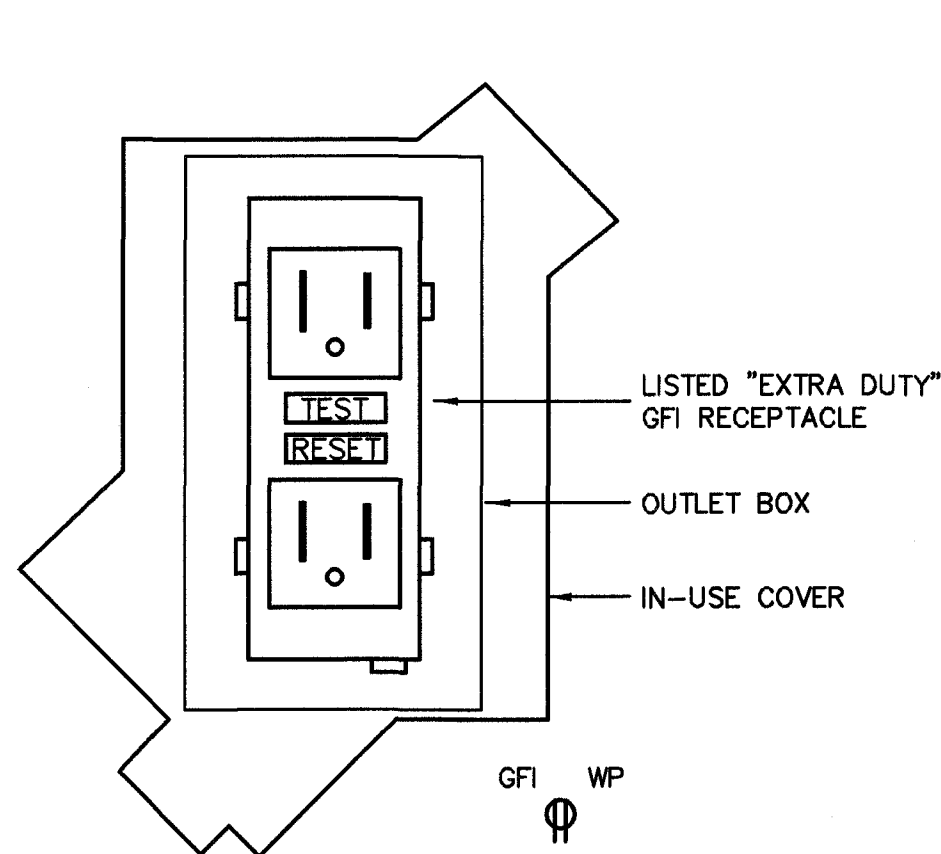
1 GROUND RODS AT SERVICE
E3 NO SCALE



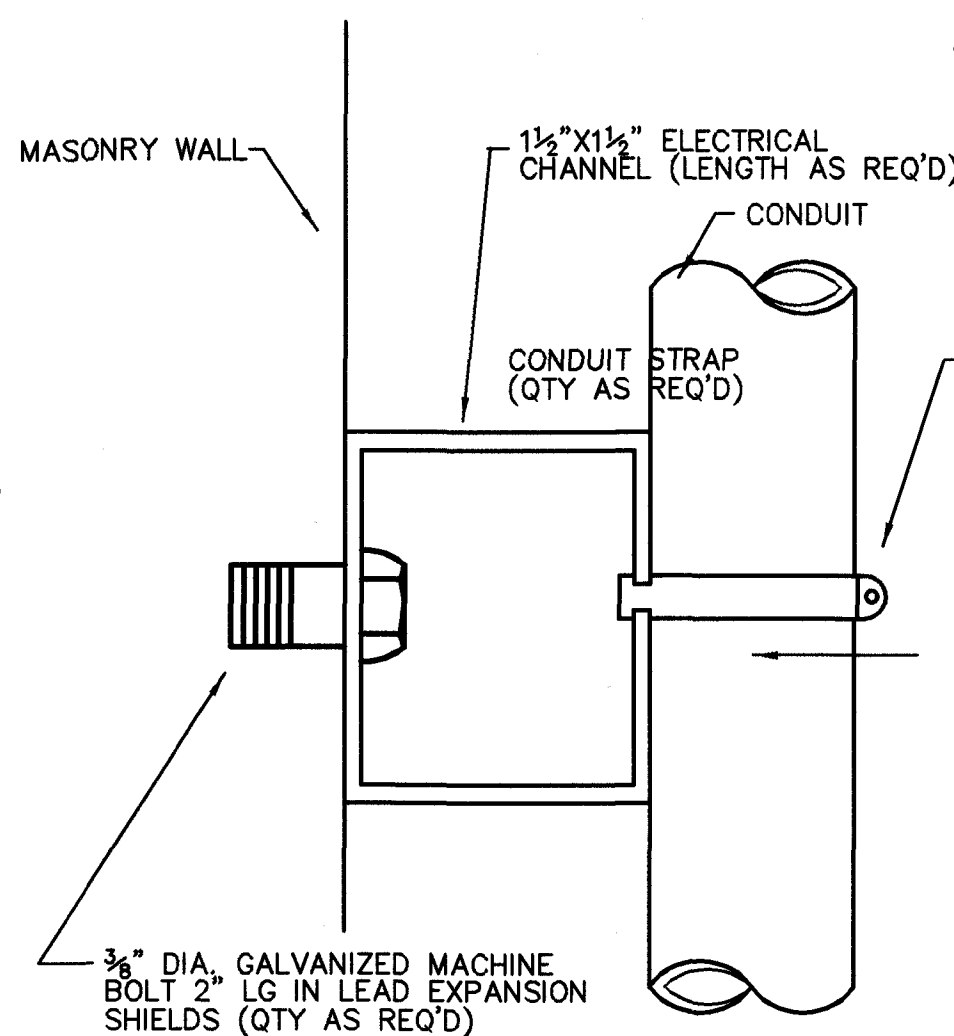
2 GROUNDING AT WATER METER
E3 NO SCALE



3 BUILDING SERVICE GROUNDING
E3 NO SCALE



4 EXTERIOR RECEPTACLE
E3 NO SCALE



7 CONDUIT SUPPORT
E3 NO SCALE

FAULT CURRENT PLAQUE

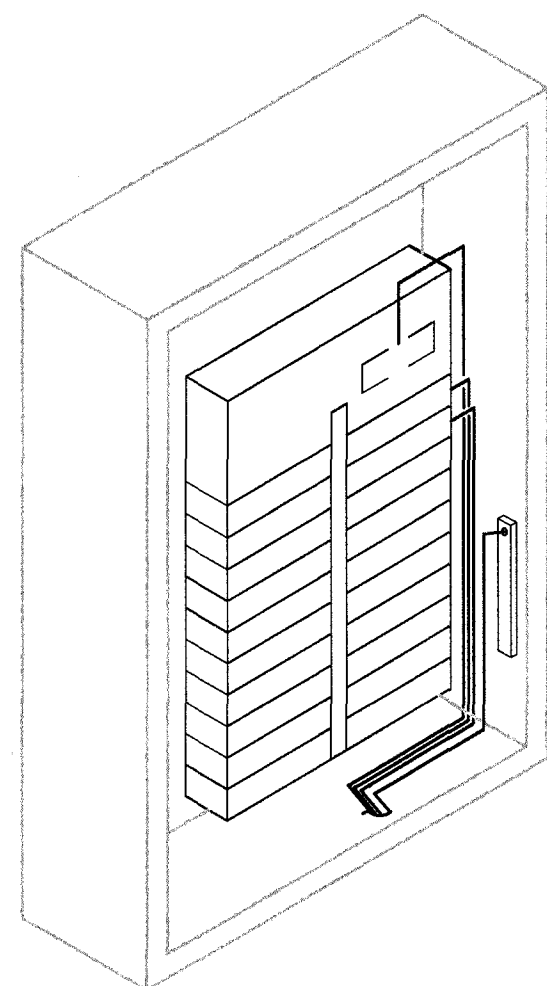
PRIOR TO ENERGIZING EQUIPMENT, PROVIDE A DURABLE, PERMANENTLY ATTACHED, AND LEGIBLY MARKED PLAQUE AT EACH SERVICE ENTRANCE. PLAQUE SHALL READ:

MAX. FAULT CURRENT = XX.XXX AMPERES
CALCULATION MADE = XX/XX/XX

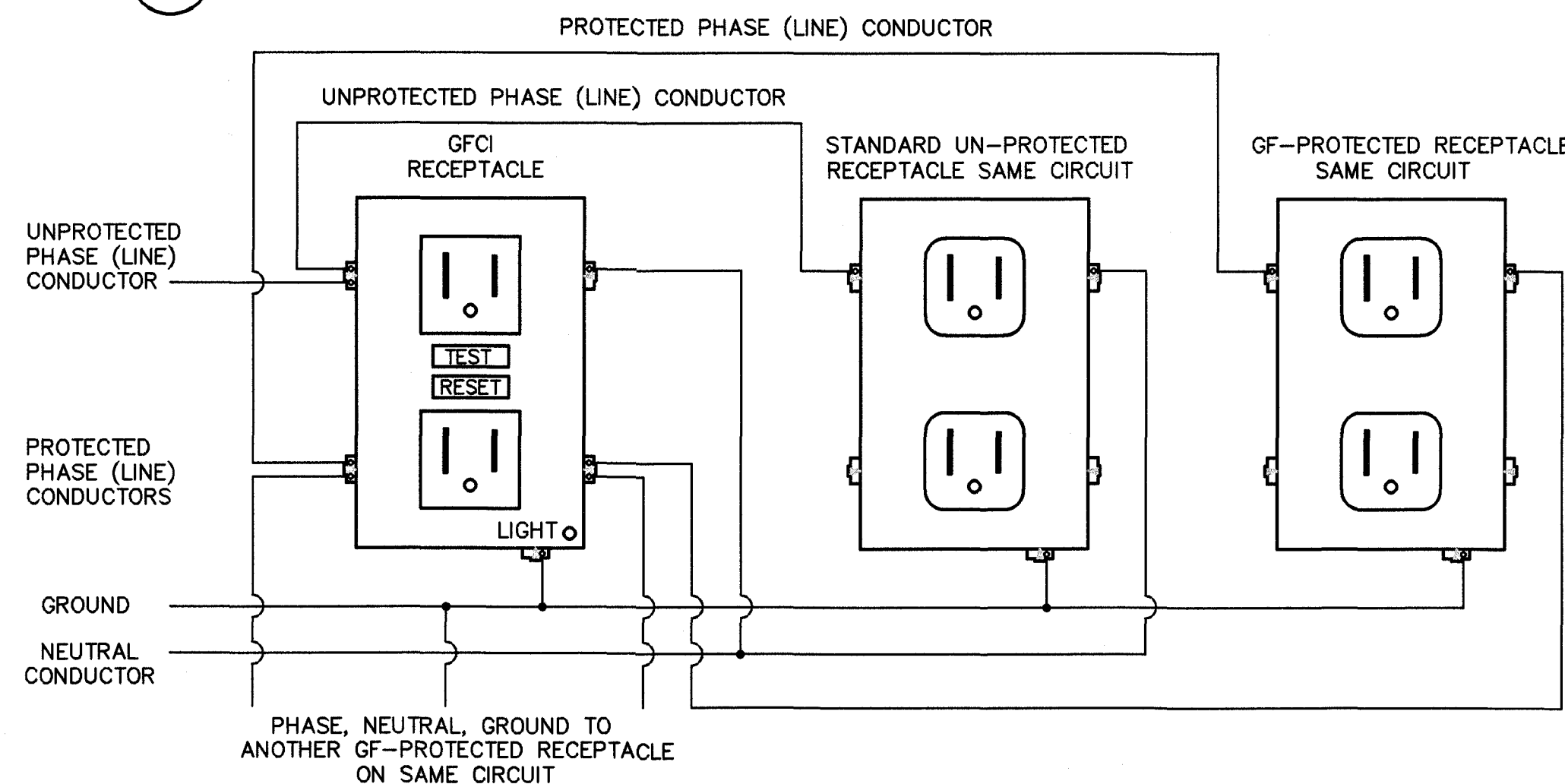
TO COMPLETE THE PLAQUE TEXT, FURNISH THE ENGINEER-OF-RECORD WITH THE ACTUAL UTILITY TRANSFORMER SIZE AND THE CONDUCTOR SIZE, QUANTITY PER PHASE, AND LENGTH OF UTILITY-INSTALLED SERVICE CONDUCTORS FROM THE TRANSFORMER TO THE SERVICE EQUIPMENT.

NOTES:

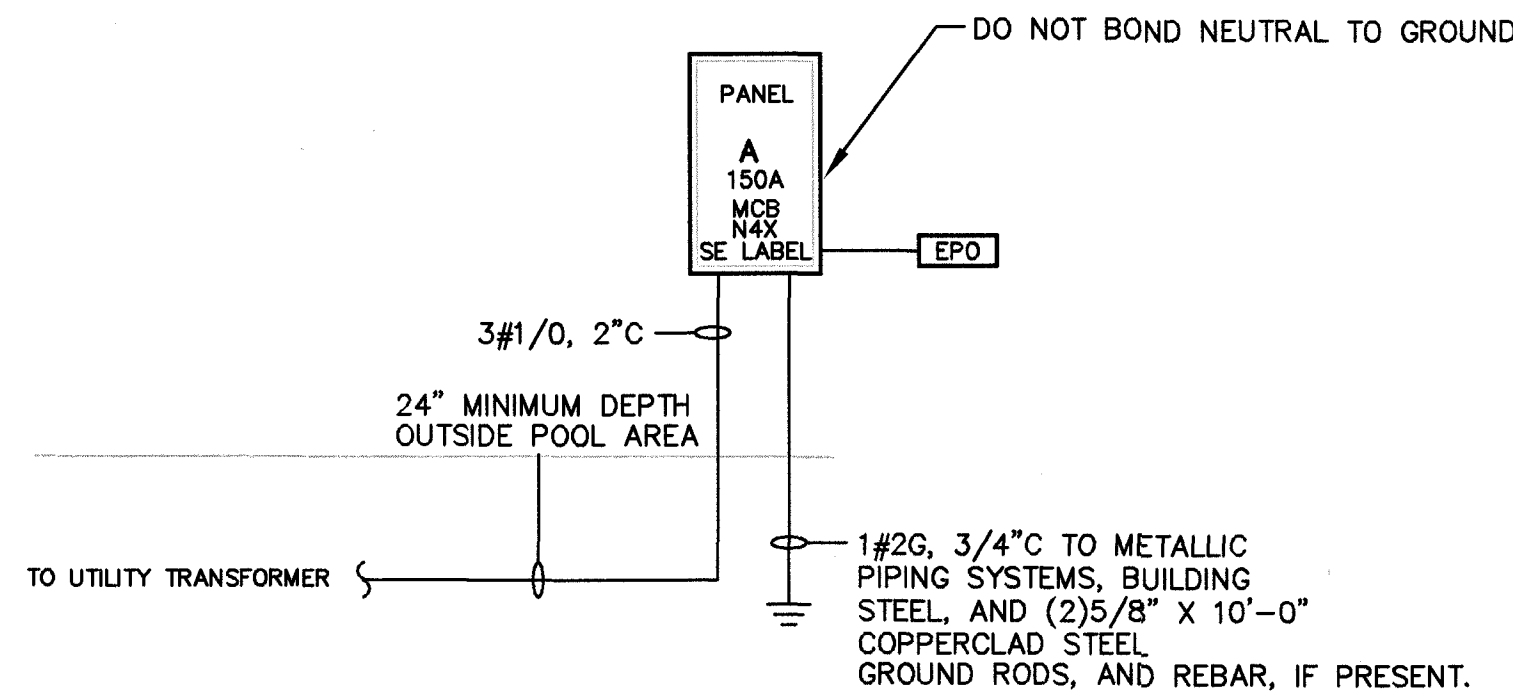
1. BENDS ALL CONDUCTORS WITH A UNIFORM RADIUS NEVER TOUCHING THE PANEL ENCLOSURE.
2. BEND CONDUCTORS TO THE BACK CORNER OF THE PANEL ENCLOSURE AND THEN FORWARD TO THE CIRCUIT BREAKER TERMINAL.
3. TIE WRAP CONDUCTORS IN GROUPS AND AT REGULAR INTERVALS TO FORM NEAT, ORDERLY WIRE BUNDLES.
4. CLEAN THE ENCLOSURE OF ALL DEBRIS AND UNUSED MATERIALS.
5. PROVIDE A TYPED DIRECTORY OF CIRCUITS ACCURATELY DENOTING ROOMS SERVED.
6. WHEN FINISHED, PANEL SHALL PRESENT A CLEAN, NEAT, AND ORDERLY APPEARANCE.



5 PANEL WIRING
E3 NO SCALE

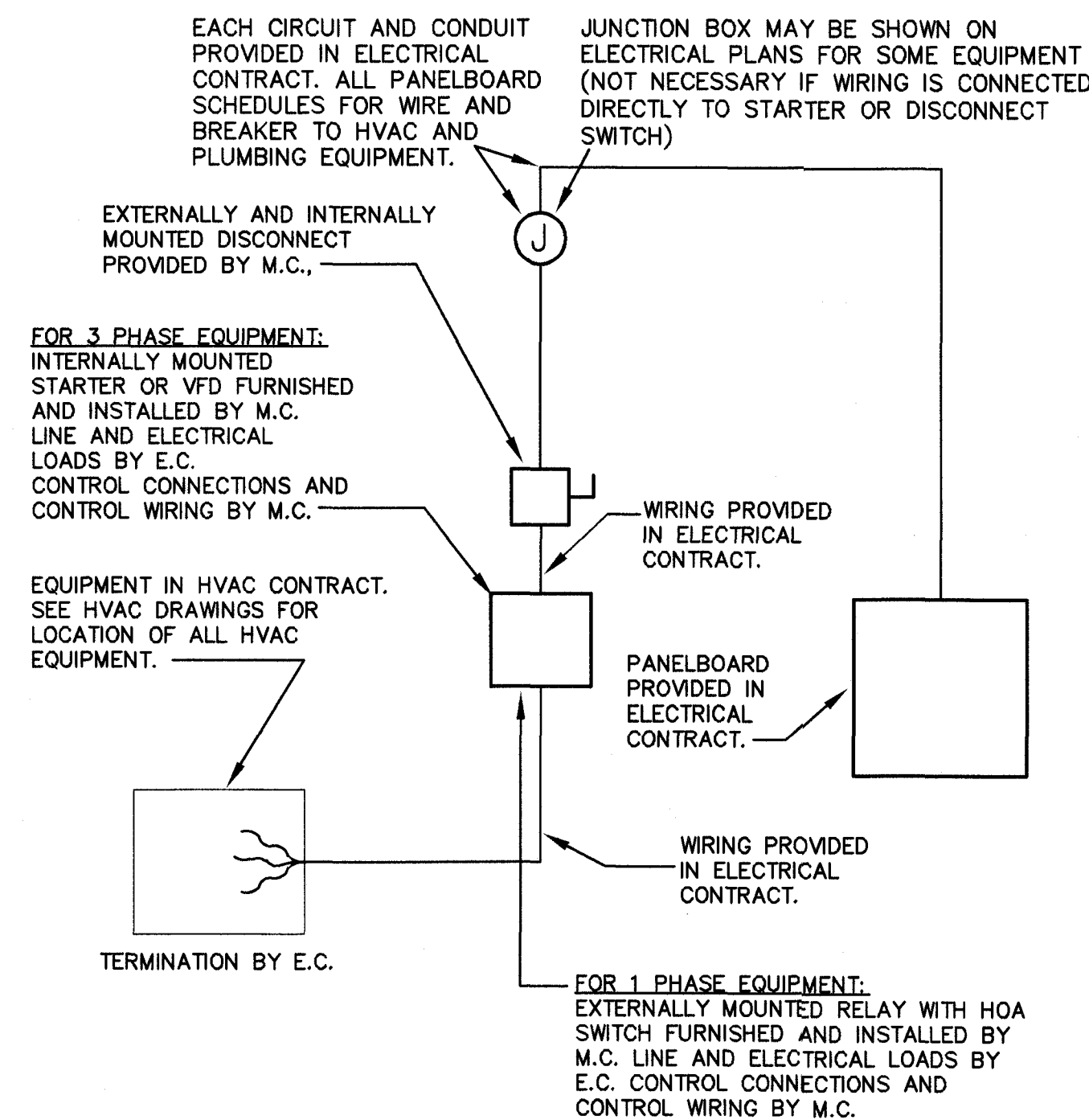


6 MULTIPLE RECEPTACLES GFCI-PROTECTION
E3 NO SCALE



2 POOL BUILDING POWER RISER
EP.01 NO SCALE

8 ELECTRICAL POWER RISER (240/120V, 1P, 3W)
E3 NO SCALE



** A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER

9 HVAC/PLUMBING/POOL/ELECTRICAL EQUIPMENT CONNECTIONS
E3 NO SCALE

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SEAL
10985
NORTH CAROLINA
PROFESSIONAL
ENGINEER
WILLIAM H. CLARK, JR.

2019

RENOVATION/ADDITION TO POOL BUILDING FOR:

CAMP AGAPE
1369 TYLER DEWAR LN
FUQUAY VARINA, NORTH CAROLINA 27526

PROJECT NO: 2430
DATE: 11/19/24
CAD DWG FILE: E_2430
DRWN BY:WHCCHKD BY:WHC

ELEC DETAILS
AND
POWER RISER

E3