




Fire Marshal Division
P.O. Box 370
Lillington, NC 27546
910-893-7580

Reviewed for Fire Code Compliance
 Leslie Jackson
01/17/2025 10:43:52 AM

Application for Plan Review

Permit Type: _____

Date Received: _____ Received By: _____

Name of Project: _____

Physical Address of Project: _____

Plans Submitted By: _____

Project Phone: (_____) - ____ - ____

Contact Person/Address: _____

Contact Phone: (_____) - ____ - ____ (_____) - ____ - ____

Contractor's Name/Info: _____

Contractor's Phone: (_____) - ____ - ____

Contact Email: _____

- **Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.**
- **Status checks may be conducted on plan reviews by visiting the website <http://hteweb.harnett.org/Click2GovBP/Index.jsp> or by calling the Harnett County Central Permitting Office (910-893-7525 : Opt. 2), or the Harnett County Fire Marshal's Office (910-893-7580).**
- **Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.**



CAPE OVERLOOK OVERALL SITE DATA TABLE

SITE ADDRESS
ROSS ROAD LILLINGTON, NC
LILLINGTON

CURRENT SITE OWNER (AREA / PIN / DB & PG)
ROSS ROAD DEVELOPERS, LLC
0669-48-8729 - DB 4194 PG 2636

TOTAL PROJECT AREA 63.783 AC
NATURAL OPEN SPACE REQ'D (20%) 12.75 AC
NATURAL OPEN SPACE PROVIDED (27%) 19.50 AC
USABLE OPEN SPACE REQ'D (3%) 1.91 AC
USABLE OPEN SPACE PROVIDED (5.18%) 3.30 AC
COMMON OPEN SPACE 5.08 AC

DEVELOPER TRIANGLE LAND PARTNERS
DEVELOPER ADDRESS PO BOX 5648 CARY, NC 27512
WATERSHED CAPE FEAR RIVER BASIN
SUBWATERSHED CAPE FEAR RIVER
WATERSUPPLY CLASSIFICATION WSIV-PA
FEMA MAP NO. 3720056800J
FEMA PANEL EFFECTIVE DATE October 3, 2006
PROJECT DISTURBED AREA 56.80 AC
PROJECT IMPERVIOUS AREA 25.85 AC (40.54%)
AUTHORITY HAVING JURISDICTION TOWN OF LILLINGTON
CURRENT ZONING CONDITIONAL ZONING RS10 CLUSTER
PROPOSED ZONING CONDITIONAL ZONING RS10 CLUSTER
SETBACKS (PER ZONING CONDITIONS)

	TOWNHOMES	SINGLE FAMILY
FRONT	20'	20'
SIDE	0'	5'
SIDE STREET	15'	15'
REAR	10'	20'

PROPOSED DWELLING UNITS

	TOWNHOMES	SINGLE FAMILY
PHASE 1	12	38
PHASE 2	48	0
PHASE 3	0	93
PHASE 4	56	51
PROJECT TOTAL	116	182

PROPOSED DENSITY 288 DU's / 63.783 AC = 4.67 DU/AC

PARKING

DESIGNATION	SINGLE-FAMILY ATTACHED - 2 PER UNIT (GARAGE/DRIVEWAY)	TOWNHOME 2 PER UNIT + 0.33 PER UNIT FOR GUESTS
TOTAL TOWNHOME UNITS	116	
REQUIRED GUEST PARKING	36 SPACES	
PROVIDED GUEST PARKING	97 SPACES	
REQUIRED ACCESSIBLE PARKING	2 SPACES	
PROVIDED ACCESSIBLE PARKING	4 SPACES	

BICYCLE PARKING

DESIGNATION	SINGLE FAMILY DETACHED
DESIGNATION	1 PER 50 LOTS
TOTAL NEIGHBORHOOD LOTS	288
REQUIRED BICYCLE PARKING	6 SPACES
PROVIDED BICYCLE PARKING	6 SPACES

- GENERAL UTILITY NOTES**
- EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES PRIOR TO BEGINNING ANY DEMOLITION OR CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
 - ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE TOWN OF LILLINGTON, HARNETT REGIONAL WATER (HRW) AND NCDEQ.
 - ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN AND/OR PROFILE BY THE TOWN OF LILLINGTON AND HRW PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO HRW.
 - CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITY POLES AND/OR STRUCTURES AS SHOWN ON THE PLANS, OR AS NEEDED FOR CONSTRUCTION. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT SHALL BE RELOCATED AT THE EXPENSE OF THE APPLICANT UPON APPROVAL.
 - CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROL FOR WORK WITHIN NCDOT RIGHT-OF-WAY. BEFORE DOING WORK WITHIN RIGHT-OF-WAY, CONTACT NCDOT DISTRICT OFFICE AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
 - CONTRACTOR TO COORDINATE UTILITY PLAN WITH ELECTRICAL PLANS, BY OTHERS, FOR ELECTRICAL AND TELECOMMUNICATIONS ROUTING AND CONNECTION INFORMATION.
 - CONTRACTOR TO FIELD ADJUST VALVE BOXES, CLEAN-OUTS, AND MANHOLE RIMS TO MATCH FINAL GRADES.
 - SEE TOWN OF LILLINGTON WATER DETAIL W-12 ON SHEET 10 FOR WATER SERVICE INSTALLATION.
 - POOL DISCHARGE SHALL GO THROUGH SANITARY SEWER; IT SHALL NOT DISCHARGE TO TOWN OF LILLINGTON STORM DRAINAGE SYSTEM.
 - MAIL KIOSKS SHALL REMAIN OPEN AND AVAILABLE TO PUBLIC AT ALL TIMES DURING AMENITY CENTER CONSTRUCTION.
 - BACKFLOW PREVENTER SHALL BE INSTALLED INSIDE THE POOL HOUSE; SEE PLUMBING PLANS BY OTHERS.

- LEGEND**
- LED POLE TOP LIGHTS
 - 205W SITELIGHTER - DUKE ENERGY PROGRESS - 4000K LED FIXTURE W/ TYPE III THROW PATTERN - 205W - 30' MOUNTING HEIGHT
 - LED POLE TOP LIGHTS
 - 50W MITCHELL OPEN - DUKE ENERGY PROGRESS - 4000K LED FIXTURE W/ TYPE III THROW PATTERN - 50W - 16' MOUNTING HEIGHT
- LIGHTING NOTES**
- THE CE GROUP, INC. IS NOT RESPONSIBLE FOR SAFETY AND SECURITY RISKS DUE INADEQUATE LIGHTING LEVELS.
 - ALL FIXTURES TO MEET IESNA FULL CUTOFF CLASSIFICATION.
 - UNDERGROUND UTILITIES (EXISTING AND PROPOSED) ARE FOR INFORMATIONAL PURPOSES ONLY - SEE APPROPRIATE SHEET IN THIS SET FOR DETAILS. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE OWNER AND/OR ENGINEER OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.

- GENERAL PAVEMENT MARKING & SIGNAGE NOTES:**
- CONTRACTOR TO COORDINATE FINAL LOCATION OF ALL STREET SIGNS WITHIN THE PUBLIC RIGHT-OF-WAY WITH NCDOT AND TOWN OF LILLINGTON PRIOR TO INSTALLATION.
 - ALL PARKING LOT PAINT TO MEET NCDOT STANDARDS AND SPECIFICATIONS.
 - ALL PARKING LOT PAINT TO HAVE MINIMUM OF TWO COATS.
 - ALL PARKING LOT SIGNS TO MOUNTED ON T-POSTS AND MEET NCDOT REQUIREMENTS. ALL APPLICABLE SIGNS SHALL CONFORM TO MUTCD STANDARDS.
 - SIGN VENDOR TO BE RESPONSIBLE FOR PROCURING ANY REQUIRED SIGN PERMITS.

811 CALL OR CLICK & 11 BEFORE YOU DIG SAFEDIGGING PARTNER

NORTH

SCALE: 1" = 20'

NO.	REVISIONS	DATE

CE GROUP

301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032

www.cegroupinc.com

License # C-1739




CAPE OVERLOOK AMENITY CENTER SITE & UTILITY PLAN

LILLINGTON, NORTH CAROLINA

Date:	NOVEMBER 14, 2024
Scale:	1" = 20'
Drawn:	RJH
Checked:	AJF
Project No.:	147-07
Computer Dwg. Name:	147-07 amenity site plan
Sheet No.:	3 Of 10

CAPE OVERLOOK POOL HOUSE

LILLINGTON, NORTH CAROLINA

Reviewed for Fire Code Compliance
 Leslie Jackson
 01/17/2025 10:43:37 AM



ABBREVIATIONS LIST

ATOS	ABOVE TOP OF SLAB
AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
ALUM	ALUMINUM
ARCH	ARCHITECT(URAL)
BM	BEAM
BET	BETWEEN
BLK	BLOCKING
BD	BOARD
BLDG	BUILDING
BHD	BULKHEAD
BTOS	BELOW TOP OF SLAB
CAB	CABINET
CLG	CEILING
CT	CERAMIC TILE
CTR	CENTER
CLR	CLEAR(ANCE)
CLS	CLOSET
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONF	CONFERENCE
CONST	CONSTRUCTION
CJ	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
DEMO	DEMOLITION
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DR	DOOR
DBL	DOUBLE
DN	DOWN
DWR	DRAWER
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
ELEC	ELECTRICAL
EWC	ELECTRIC WATER COLLER
ELEV	ELEVATION
ENCL	ENCLOSE(URE)
EQ	EQUAL
EX	EXISTING
EJ	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR
FF	FINISHED FLOOR
FIN	FINISH(ED)
FA	FIRE ALARM
FC	FLOORING CHANGE
FE	FIRE EXTINGUISHER
FHC	FIRE HOSE CABINET
FR	FIRE RATED(ING)
FL	FLOOR(ING)
FD	FLOOR DRAIN
FT	FULLY TEMPERED
FUR	FURRING
GA	GAUGE
GWB	GYPSUM WALL BOARD
HORZ	HORIZONTAL
H&V	HORIZONTAL AND VERTICAL
HR	HOUR
INCL	INCLUDE(D)ING
ID	INSIDE DIAMETER
INSUL	INSULATE(D)ION
INT	INTERIOR
ISG	INSULATED SAFETY GLAZING
JC	JANITORS CLOSET
KD	KNOCK DOWN
JT	JOINT
KIT	KITCHEN
LBL	LABEL
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LT	LIGHT
LG	LONG LENGTH
MFR	MANUFACTURER
MO	MASONRY OPENING
MTL	MATERIAL(S)
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MOV	MOVABLE
MUL	MULLION
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OFF	OFFICE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
OA	OVERALL
AH	OVERHEAD
PTD	PAINTED
JPR	PAIR
PBD	PARTICLE BOARD
PTN	PARTITION
PERF	PERFORATED
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PWD	PLYWOOD
PT	PAPER TOWEL DISPENSER/DISPOSAL
PT	PRESSURE TREATED
PT	POST TENSIONED
PROJ	PROJECTED(ION)
QT	QUARRY TILE
RAD, R	RADIUS
REF	REFERENCE
REINF	REINFORCE(D)ING
REQ	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
R	RISER
RM	ROOM
RO	ROUGH OPENING
RB	RUBBER BASE
SND	SANITARY NAPKIN DISPENSER
SR	SANITARY NAPKIN RECEPTACLE
SCHED	SCHEDULE
SD	SOAP DISPENSER
SG	SAFETY GLAZING
SH	SHELF, SHELVING
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATION, SPECIFIED
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUSP	SUSPENDED
TEL	TELEPHONE
THK	THICKENS
THRES	THRESHOLD
TP	TOILET PAPER DISPENSER
T&G	TONGUE AND GROOVE
T	TREAD
TOS	TOP OF SLAB
TYP	TYPICAL
UC	UNDERCUT
UNF	UNFINISHED
UNOT	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
VB	VINYL BASE
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
WC	WALL COVERING
WP	WATERPROOFING
W	WITH
W/O	WITHOUT
WD	WOOD

CAPE OVERLOOK POOL HOUSE SHEET INDEX

ARCHITECTURAL						STRUCTURAL					
SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE	SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE	SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE
G000			COVER SHEET, SHEET INDEX & BUILDING TABULATIONS	A100			POOL HOUSE FLOOR PLAN & ROOF PLAN	S101			FOUNDATION & RAMING PLANS
G001			GENERAL PROJECT NOTES	A200			POOL HOUSE ELEVATIONS AND WALL SECTIONS	S201			FOUNDATION DETAILS
G002			GENERAL PROJECT NOTES	A400			POOL HOUSE ENLARGED PLANS & INTERIOR ELEVATIONS	S301			FRAMING DETAILS
G003			ACCESSIBILITY REQUIREMENTS	A600			ENLARGED DOOR & WINDOW DETAILS	S401			GENERAL NOTES
G004			ARCHITECTURAL SITE PLAN								
G010			POOL HOUSE CODE SUMMARY & LIFE SAFETY PLAN								
G015			UL DETAILS								
G016			UL DETAILS								
G020			ASSEMBLY TYPES								

CAPE OVERLOOK POOL HOUSE SHEET INDEX

PME - PLUMBING				PME - MECHANICAL				PME - ELECTRICAL			
SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE	SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE	SHEET NUMBER	REV. #	REVISION DATE	SHEET TITLE
P1			PLUMBING NOTES	M1			MECHANICAL PLAN	E1			ELECTRICAL NOTES
P2			SANITARY & DOMESTIC SUPPLY PLAN					E2			LIGHTING AND POWER PLAN
P3			PLUMBING RISERS								

CAPE OVERLOOK - BUILDING TABULATION

BUILDING TYPE	BUILDING DESCRIPTION	UNITS PER BLDG	UNIT MIX	TOTAL HEATED SQFT. (PER BUILDING CODE)	GROSS SQFT (PER BUILDING CODE, TOTAL AREA UNDER ROOF)	# OF BLDGS ON SITE	TOTAL NET SQFT	TOTAL GROSS SQFT
*POOL HOUSE	1- STORY BLDG	N/A	N/A	413	637	1	413	637

* = WINTERIZED/FREEZE PROTECTION BUILDING

PROJECT SCOPE

- SITE AMENITY BUILDINGS INCLUDE A POOL HOUSE

STATE OF NORTH CAROLINA ADOPTED CODES

- 2018 NORTH CAROLINA STATE BUILDING CODE
- 2018 NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE
- 2018 NORTH CAROLINA STATE BUILDING CODE: PLUMBING CODE
- 2018 NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION CODE
- 2018 NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE
- 2020 NATIONAL ELECTRICAL CODE
- 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

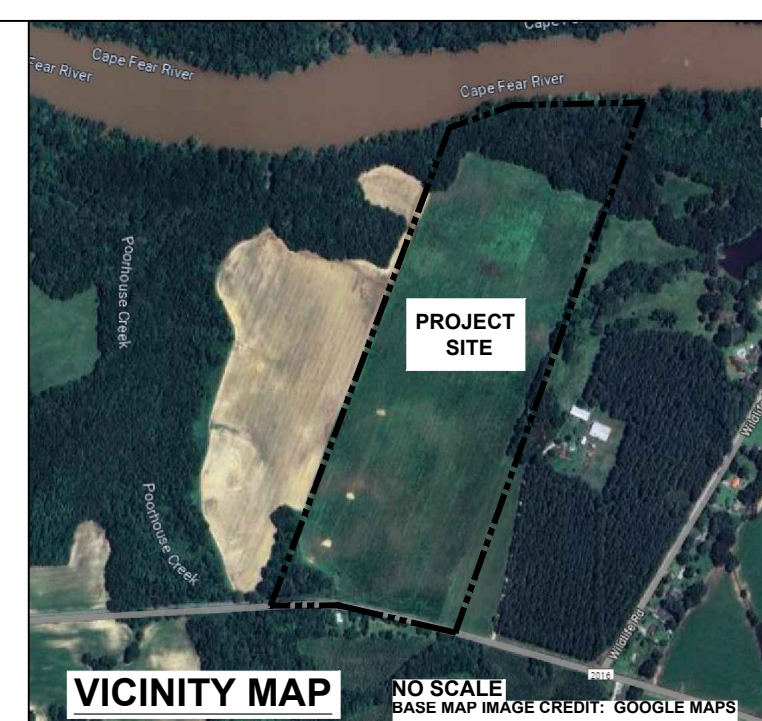
PROJECT TEAM

CIVIL:
 CE GROUP, INC.
 301 GLENWOOD AVE., SUITE 220
 RALEIGH, NC 27603
 919.367.8790

STRUCTURAL:
 HAUSER-CREECH, INC.
 4506 PEARCES RD.
 ZEBULON, NC 27597
 919.817.7676

ARCHITECTURAL:
 PLANWORX ARCHITECTURE, P.A.
 5711 SIX FORKS ROAD, SUITE 100
 RALEIGH, NC 27609
 919.846.8100

PME/FP:
 KILIAN ENGINEERING INC.
 P.O. BOX 3301, 115-C YOUNG STREET
 HENDERSON, NC 27536
 252.438.8778

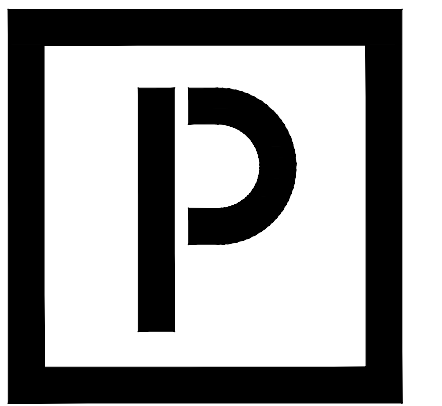


MATERIAL GRAPHICS

	WOOD BLOCKING
	FINISH WOOD
	PLYWOOD
	ACOUSTIC TILE CEILING
	GYPSUM WALL BOARD
	BATT INSULATION
	RIGID OR SEMI RIGID INSULATION
	STEEL
	CONCRETE
	CMU
	STONE / GRAVEL
	EARTH
	ALUMINUM

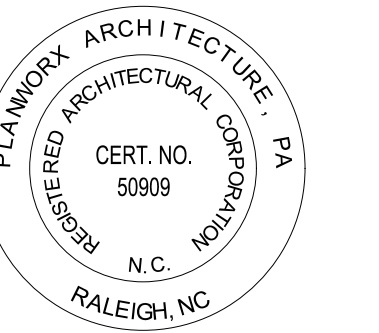
ARCHITECTURAL SYMBOLS

ELEVATION NUMBER SHEET NUMBER		BUILDING ELEVATION
SECTION NUMBER SHEET NUMBER		WALL SECTION
SECTION NUMBER SHEET NUMBER		BUILDING SECTION
DETAIL NUMBER SHEET NUMBER		ENLARGED DETAIL REFERENCE
		INTERIOR ELEVATION
		DOOR MARK
		WINDOW MARK
Name Elevation		FLOOR ELEVATION REFERENCE OR SPOT ELEVATION
		REVISION NUMBER
		DIMENSION TO EDGE



**PLANWORX
ARCHITECTURE**

5711 SIX FORKS ROAD, SUITE 100
 RALEIGH NC 27609
 website www.planworx.com



Cape Overlook Pool House

Triangle Land Partners

Lillington, NC

Issued for Permit (10-25-24)



10-25-2024

PROGRESS DATE: 10-25-2024

PROJECT NO: 002824

DRAWN BY: BB

CHECKED BY: DS

SHEET TITLE: Project Cover Sheet
Sheet Index & Tabulations

SHEET NUMBER:

G000

AIR SEALING NOTES - NORTH CAROLINA

NOTE: THIS LIST DOES NOT COVER ALL AIR SEALING LOCATIONS NOR DOES IT ADDRESS TECHNIQUES. SEE NC STATE BUILDING CODE: ENERGY CONSERVATION CODE, 2018 EDITION FOR ADDITIONAL INFORMATION. OTHER CODE PROVISIONS MAY BE APPLICABLE AS WELL.

- 1. PLATE AND WALL PENETRATIONS BY PLUMBING, ELECTRICAL, PHONE, CATV, ETC.
2. TUB/SHOWER ON OUTSIDE OR ATTIC WALL.
3. WINDOW AND DOOR ROUGH OPENINGS.
4. AIRTIGHT, IC-RATED RECESSED LIGHTS AND ELECTRICAL FIXTURES EXPOSED TO ATTIC.
5. EXTERIOR WALL EXHAUST FAN TERMINATIONS.
6. CEILING MOUNTED BATH FANS, SPEAKERS, ETC.
7. BOTTOM PLATE AND TOP PLATE.
8. SEAMS BETWEEN RIGID EXTERIOR SHEATHING.
9. BAND AREA BETWEEN FLOORS, CONDITIONED SPACE AND ATTIC.
10. MECHANICAL EQUIPMENT AND DUCTWORK CHASES IN ATTICS, CRAWLSPACES.
11. CEILING/CRAWLSPACE ELECTRICAL BOXES.
12. CEILING/CRAWLSPACE HVAC BOOTS.
13. SHOWER AND TUB DRAIN LINE.
14. FIREPLACE INSERTS.
15. ATTIC KNEEWALL DOORS.
16. JOIST CAVITIES UNDER ATTIC KNEEWALLS.
17. TRANSITION BETWEEN CEILING HEIGHTS.
18. ATTIC SCUTTLE HATCH.
19. WALL PENETRATIONS OF MECHANICAL COMBUSTION CLOSETS.
20. THRESHOLDS AT MECHANICAL COMBUSTION CLOSETS.
21. BAND JOIST EXPOSED TO EXTERIOR.
22. EXTERIOR WALL PENETRATIONS FOR REFRIGERATION LINES, CONDENSATE LINE, ETC.
23. DOORS AND WINDOWS BETWEEN UNHEATED AND HEATED SPACE SHALL BE WEATHER-STRIPPED AROUND THEIR PERIMETER TO LIMIT AIR LEAKAGE WHEN CLOSED.
24. FOAM GASKETS SHALL BE USED ON ALL RECEPTACLES, SWITCHES, AND OTHER UTILITY BOXES ON EXTERIOR WALLS.
25. CAULK AND SEAL OPENINGS IN ELECTRICAL BOXES AND WHERE BOX MEETS DRYWALL WITH AN APPROVED SEALANT.

ACCESSIBILITY NOTES - NORTH CAROLINA

THE FOLLOWING ARE GENERAL NOTES FOR ACCESSIBILITY REQUIREMENTS, IT IS NOT AN ALL-ENCOMPASSING LIST NOR DOES IT ADDRESS SPECIFIC TECHNIQUES. THESE NOTES ARE INTENDED AS A GENERAL OUTLINE. ENTIRETY OF BUILDING, SPACES, RESIDENTIAL UNITS, ETC. SHALL MEET THE 2018 NORTH CAROLINA STATE BUILDING CODE, ACCESSIBILITY CODE,

MOST CURRENT VERSION, INCLUDING AMENDMENTS, IN ADDITION, ANY AND ALL APPLICABLE LOCAL, STATE, FEDERAL, ETC. CODES SHALL APPLY IN JURISDICTION OF THE PROJECT.

- 1. ACCESSIBLE ENTRANCES TO BE PROVIDED WITH SIGNS WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
2. ALL HORIZONTAL WALKING SURFACES TO BE CONTINUOUS AND WITHOUT ABRUPT VERTICAL CHANGES EXCEEDING 1/4" MINIMUM. ALL HORIZONTAL WALKING SURFACES WILL BE MAINTAINED SLIP RESISTANT.
3. DOOR OPENING REQUIREMENTS SHALL COMPLY WITH ICC/ANSI 117.1 - 2009 SECTION 404.
4. THE FLOOR OR LANDING ON EACH SIDE OF AN EXIT DOOR WILL BE LEVEL AND CLEAR. THE LEVEL AREA WILL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 44" AND A LENGTH OPPOSITE OF 44", AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN A CLOSED POSITION.
5. MAXIMUM EFFORT TO OPERATE DOORS AND BLDG ENTRY GATES WILL NOT EXCEED 8.5 LBS. FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED/REQUIRED TO MEET THE ABOVE STANDARDS.
6. THE BOTTOM 10" OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING, WILL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALL THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL WILL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
9. THRESHOLDS WILL NOT EXCEED 1/2" IN TOTAL HEIGHT. VERTICAL FACES WILL NOT EXCEED 1/4". CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" WILL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGE IN LEVEL GREATER THAN 1/2" WILL BE ACCOMPLISHED BY MEANS OF A RAMP.
8. STAIRWAY TREADS MUST BE SLIP RESISTANT WITH, ROUNDED OR BEVELED EDGES AND NO ABRUPT EDGES AT THE NOSE.
9. THE FLOOR OR LANDING IMMEDIATELY OUTSIDE THE ENTRY MAY BE SLOPED UP TO 1/8" PER FOOT IN THE DIRECTION AWAY FROM THE BUILDING FOR DRAINAGE.
10. PET WASTE STATIONS SHALL BE LOCATED ON AN ACCESSIBLE ROUTE AND LOCATED PER ICC/ANSI A117.1 - 2009 SECTION 308.
11. ALL MAILBOXES/PARCEL BOXES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE AND MEET/LOCATED PER ICC/ANSI 117.1 -2009 SECTION 308 AND U.S. POSTAL SERVICE STD-4C. CONFIRM WITH THE LOCAL USPS RESPONSIBLE FOR MAIL SERVICE TO/FROM THE SITE.
12. ACCESSIBLE RAMP CROSS SLOPES SHALL NOT EXCEED A MAXIMUM 2% CROSS SLOPE.
13. ACCESSIBLE RAMP SLOPES SHALL NOT EXCEED A MAXIMUM 8.33% SLOPE AND PROVIDE A LEVEL LANDING AT THE TOP AND BOTTOM OF THE RAMP, AT A MINIMUM THE LANDING SHALL BE 60" X WIDTH OF RAMP RUN.
14. ACCESSIBLE WALKING SURFACE SLOPES SHALL NOT EXCEED A MAXIMUM 5% SLOPE.

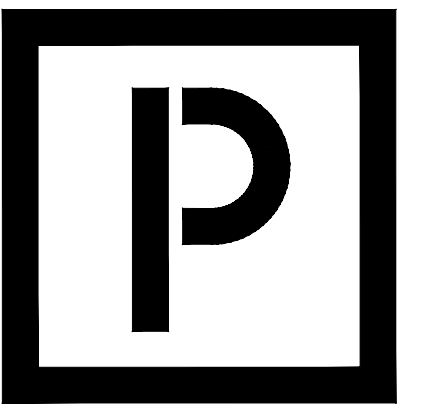
ACOUSTICAL NOTES - NORTH CAROLINA

THE FOLLOWING IS A GENERAL LISTING OF MINIMUM ACOUSTICAL RECOMMENDATIONS, IT IS NOT AN ALL-ENCOMPASSING LIST NOR DOES IT ADDRESS SPECIFIC TECHNIQUES. SEE DRAWINGS, AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. AT A MINIMUM, PROVIDE SOUND TRANSMISSION CONTROL PER NCSBC SECTION 1207 AND ANY AND ALL OTHER APPLICABLE CODES/REGULATIONS.

- 1. FIREPROOFING AT PENETRATIONS OF CONCRETE FLOORS MAY BE PROVIDED WITH LATEX OR SILICONE BASED INTUMESCENT SEALANT THAT CURES TO A 'RUBBER-LIKE' STATE, OR IF PERMITTED BY CODE, BY USING MINERAL WOOL SAFING. MATERIALS THAT SET-UP HARD ARE NOT PERMITTED.
2. WHERE BATHROOMS ARE ADJACENT TO SHARED WALLS BETWEEN DIFFERING UNITS, THE SHARED WALL CONSTRUCTION MUST EXTEND BEHIND BATHTUBS AND SHOWERS, SUBSTITUTING APPROPRIATE WATER-RESISTANT MATERIALS FOR THE GYPSUM BOARD AS PERMITTED AND APPLICABLE.
3. BATHTUBS, JACUZZI/AIR-JET TUBS, SHOWERS, TOILETS, DISHWASHERS, GARBAGE DISPOSALS, TRASH COMPACTORS, AND CLOTHES WASHERS AND DRYERS MUST BE ISOLATED FROM THE STRUCTURE:
A. THESE ITEMS, WHERE PRACTICAL, SHOULD NORMALLY REST ON TOP OF ISOLATED FLOOR SURFACES. IF THIS IS NOT PRACTICAL, NEOPRENE OR RUBBER MUST BE USED TO ISOLATE THEM.
B. IT MAY BE NECESSARY TO HAVE THE PORTION OF THE BATHROOM FLOORS UNDER TUBS AND SHOWERS INSTALLED PRIOR TO THE REST OF THE FLOOR SUCH THAT THE TUB AND SHOWER BASES CAN BE INSPECTED BEFORE THE REST OF THE FLOOR IS INSTALLED.
C. BATHTUBS, JACUZZI/AIR-JET (INCLUDING ANY ASSOCIATED MOTOR) AND SHOWER BASES NOT RESTING ON ISOLATED FLOORS MUST REST ON MINIMUM 10mm OR 3/8 INCH THICK 40 DUROMETER NEOPRENE OR RUBBER. SUCH MATERIAL MUST ALSO BE PLACED BETWEEN BATHTUBS AND WALLS UNLESS THE BATH TUB CAN BE KEPT AWAY FROM THE WALL (1/4 INCH GAP- NO DIRECT CONTACT). THIS MAY BE A SHEET OF REGUPOL 40 DUROMETER OR INDIVIDUAL PADS AT SUPPORT POINTS. EDGES MUST BE SEALED WITH SILICONE SEALANT RATHER THAN GROUT.

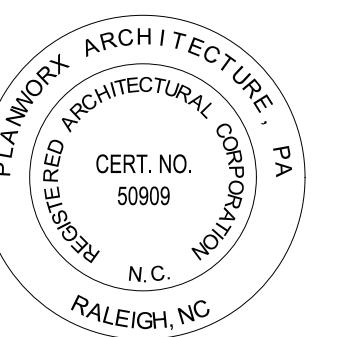
NOTE: IF 1/2 INCH CORK IS INSTALLED EVERYWHERE ELSE, IT IS ACCEPTABLE TO USE THE 1/2 INCH CORK INSTEAD OF THE 10mm 40 DUROMETER REGUPOL. HOWEVER, THINNER MATERIAL IS UNACCEPTABLE.

- D. IF THE SPECIFIED JACUZZI/AIR-JET TUB REQUIRES RIGID ATTACHMENT TO THE WALLS; HE WALLS MUST BE ATTACHED TO THE MAIN FLOOR THROUGH THE REGUPOL OR CORK WITH A RUBBER BUSHING - SUCH AS THE KINETICS KAI. THE TOP OF THE WALL MUST BE SUPPORTED FROM ABOVE WITH A SLIP TRACK; THIS ATTACHMENT TO THE FLOOR ABOVE MUST BE DONE WITH A RUBBER BUSHING -SUCH AS THE KINETICS KAI.
E. NEOPRENE ISOLATION CUPS (MODEL BM FROM MASON INDUSTRIES) SHOULD BE USED UNDER THE FEET OF APPLIANCES THAT ARE NOT ON ISOLATED FLOORS.
F. GARBAGE DISPOSALS MUST HAVE A FLEXIBLE CONNECTION TO THE SINK AND MUST DISCHARGE THROUGH A FLEXIBLE PIPE TO THE DRAIN.
G. TOILETS MUST REST ON AN ISOLATED FLOOR AND SHOULD BE BOLTED TO A FLANGE ON THE WASTE PIPING SUCH THAT THE BOLTS AND PIPING DO NOT CONTACT THE FLOOR STRUCTURE. THIS MAY REQUIRE OVERSIZED HOLES IN THE FLOOR OR GROMMETS IN THE FLOOR. IF IT IS NECESSARY TO BOLT THE TOILET TO THE STRUCTURAL FLOOR, SOFT GROMMETS SHALL BE USED TO ISOLATE THE BOLTS FROM THE TOILET.
4. HORIZONTAL WASTE PIPE TO BE SUPPORTED ON HALF-INCH COMPRESSED FELT OR NEOPRENE, OR NEOPRENE HANGERS CAN BE USED. VERTICAL SUPPORTS TO BE MADE FROM WAFFLE-PATTERN OR RIBBED 40 DUROMETER NEOPRENE PADS APPROPRIATELY SIZED FOR THE LOAD AND PLACED UNDER BRACKETS ATTACHED TO THE PIPE AT FLOORS.
5. ALL PIPING SHALL BE CAREFULLY CENTERED IN HOLES SO THAT IT DOES NOT CONTACT FRAMING OR CONCRETE. DO NOT ATTEMPT TO PLACE ISOLATION MATERIAL (OTHER THAN AS NEEDED FOR FIREPROOFING) AROUND PIPES WHERE THEY PASS THROUGH STRUCTURE.
6. ANY BEDROOM, DINING, OR LIVING ROOM CEILING OR WALL CONTAINING SUPPLY PIPING SHALL HAVE THE PIPES FULLY COVERED WITH CLOSED-CELL FOAM PIPE INSULATION. INSULATION TO BE ARMAFLEX AS MANUFACTURED BY ARMACELL. PIPE INSULATION SIZE TO BE THE SAME SIZE AS INDICATED FOR THE PIPE ISOLATION.
7. WALL CAVITIES CONTAINING WASTE PIPES SHALL HAVE THE SPACE BETWEEN THE PIPE AND GYPSUM BOARD FILLED WITH FIBERGLASS BATT INSULATION ON EACH SIDE. BATT TO BE 1 INCH THICK OR 2 1/2 INCH THICK, SLIGHTLY COMPRESSED (NOT OVERLY COMPRESSED), ON EACH SIDE OF PIPE. ALTERNATIVELY, THE PIPING IS TO BE FULLY COVERED WITH CLOSED-CELL FOAM PIPE INSULATION TO BE ARMAFLEX AS MANUFACTURED BY ARMACELL. PIPE INSULATION TO BE THE SAME SIZE AS INDICATED FOR PIPE ISOLATION. THERE SHALL BE A MINIMUM OF ONE (1) INCH SPACE BETWEEN PIPING AND GYPSUM WALL BOARD.
8. CEILING CAVITIES CONTAINING WASTE PIPES SHALL PROVIDE A REASONABLE CAVITY SPACE, ISOLATE THE PIPING FROM THE STRUCTURE, AND HAVE INSULATION BATTS IN THE CAVITY. THERE SHALL BE A MINIMUM OF ONE (1) INCH SPACE BETWEEN PIPING AND GYPSUM WALL BOARD.
9. ROOF DRAIN PIPING SHALL BE PROPERLY ISOLATED FORM THE STRUCTURE. PIPING SHALL BE ATTACHED, VIA APPROPRIATE ISOLATION BRACKETS AT EACH FLOOR/ROOF LEVEL. SIZE ISOLATION BRACKETS PER THE LOAD(S) TO ALLOW FOR ONE TO TWO TENTHS OF AN INCH DEFLECTION.
10. ALL REFRIGERANT PIPING SHOULD BE ROUTED WHEREVER POSSIBLE SO IT DOES NOT PASS-THROUGH BEDROOM WALLS OR OVER THE CEILING OF BEDROOMS, ESPECIALLY IF IT IS THE REFRIGERANT PIPING FOR ANOTHER UNIT. IDEALLY, THE PIPING SHALL BE IN A WALL OF THE MECHANICAL EQUIPMENT CLOSET BUTTING ANOTHER CLOSET. A BATHROOM OR KITCHEN WALL IS A BETTER LOCATION THAN A BEDROOM WALL. CONTRACTOR TO PROVIDE OWNER AND ARCHITECT WITH PROPOSED ROUTING OF PIPING FOR REVIEW PRIOR TO FABRICATION/INSTALLATION.
11. ALL ABOVE GROUND WASTE PIPING- SERVICING UNITS AND BUILDING- SHALL BE CAST IRON.
12. WATER HAMMER ARRESTERS MUST BE INSTALLED AT THE ENDS OF LONG RUNS AND AT DISHWASHERS AND CLOTHES WASHERS.
13. PERIMETER OF SHARED PARTY WALL IS CRITICAL. ACOUSTICAL SEALANT SHALL BE INSTALLED ACCORDING TO THE DETAIL(S) PROVIDED TO ENSURE AN AIRTIGHT SEAL. SEAL AROUND ALL ELECTRICAL, PLUMBING AND MECHANICAL PENETRATIONS.
14. WALL PANELS TO BE STAGGERED TO AVOID BACK-TO-BACK BUTT JOINTS. SPECIFICALLY FOR PARTY WALLS.
15. LIGHT SWITCHES AND RECEPTACLES SHOULD NOT BE CONSTRUCTED BACK-TO-BACK. WHEREVER POSSIBLE STAGGER 'BOXES' SUCH THAT THEY ARE NOT LOCATED IN THE SAME STUD BAY. SPECIFICALLY FOR APARTMENT UNIT PARTY WALLS.
16. KEEP AIR CAVITY OF PARTY WALLS CLEAN AND FREE OF CONSTRUCTION DEBRIS.
17. ALL RECESSED LIGHTING TO HAVE SEALED BACKS. NO RECESSED LIGHTING TO BE 'OPEN' TO PLENUM SPACE.
18. MINIMIZE THE NUMBER OF PIPE TRANSITIONS AND LATERAL RUNS IN DROPPED CEILINGS.
19. IF KITCHEN OR BATHROOM CABINETS ARE LOCATED ON TENANT SEPARATION WALLS, SOFT BUMPERS ON ALL THE CABINETRY DRAWERS AND DOORS ARE TO BE INSTALLED.
20. CONTACT BETWEEN MEPPF COMPONENTS



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Cape Overlook Pool House

Triangle Land Partners

Lillington, NC

Issued for Permit (10-25-24)



10-25-2024

Table with columns: PROGRESS DATE, ISSUE DATE, REVISIONS NUMBER, INITIALS, DATE, DESCRIPTION. Includes a grid for tracking revisions.

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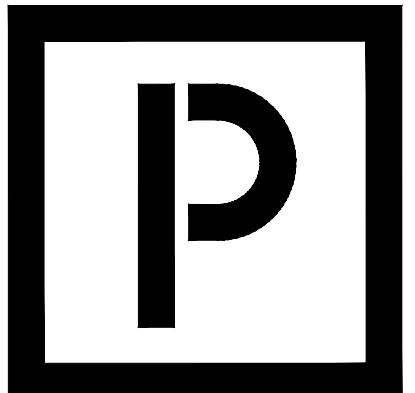
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SHEET TITLE: General Project Notes

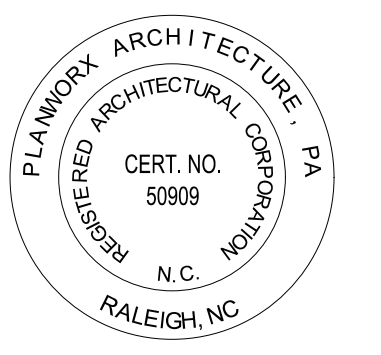
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-	10-25-2024				

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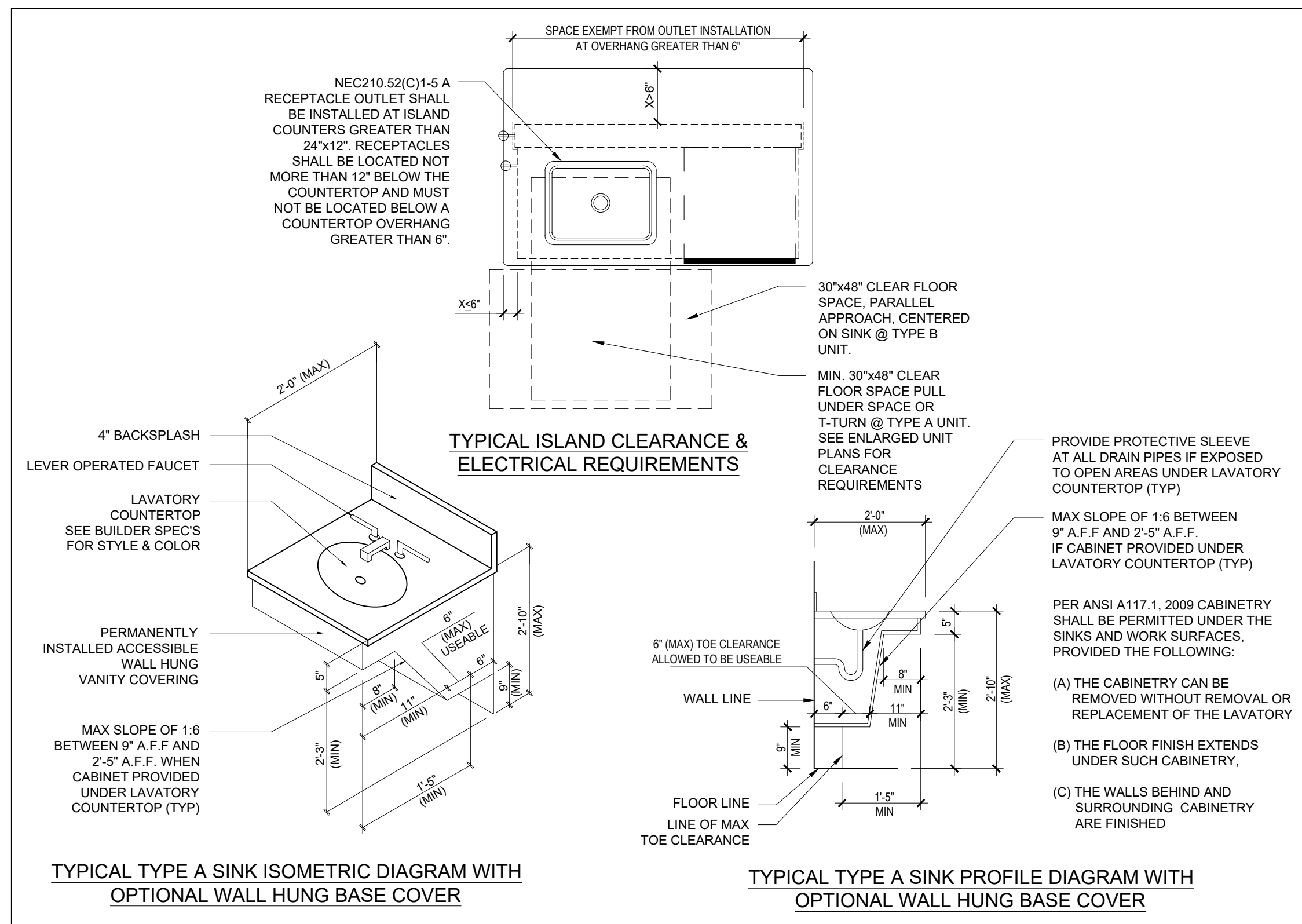
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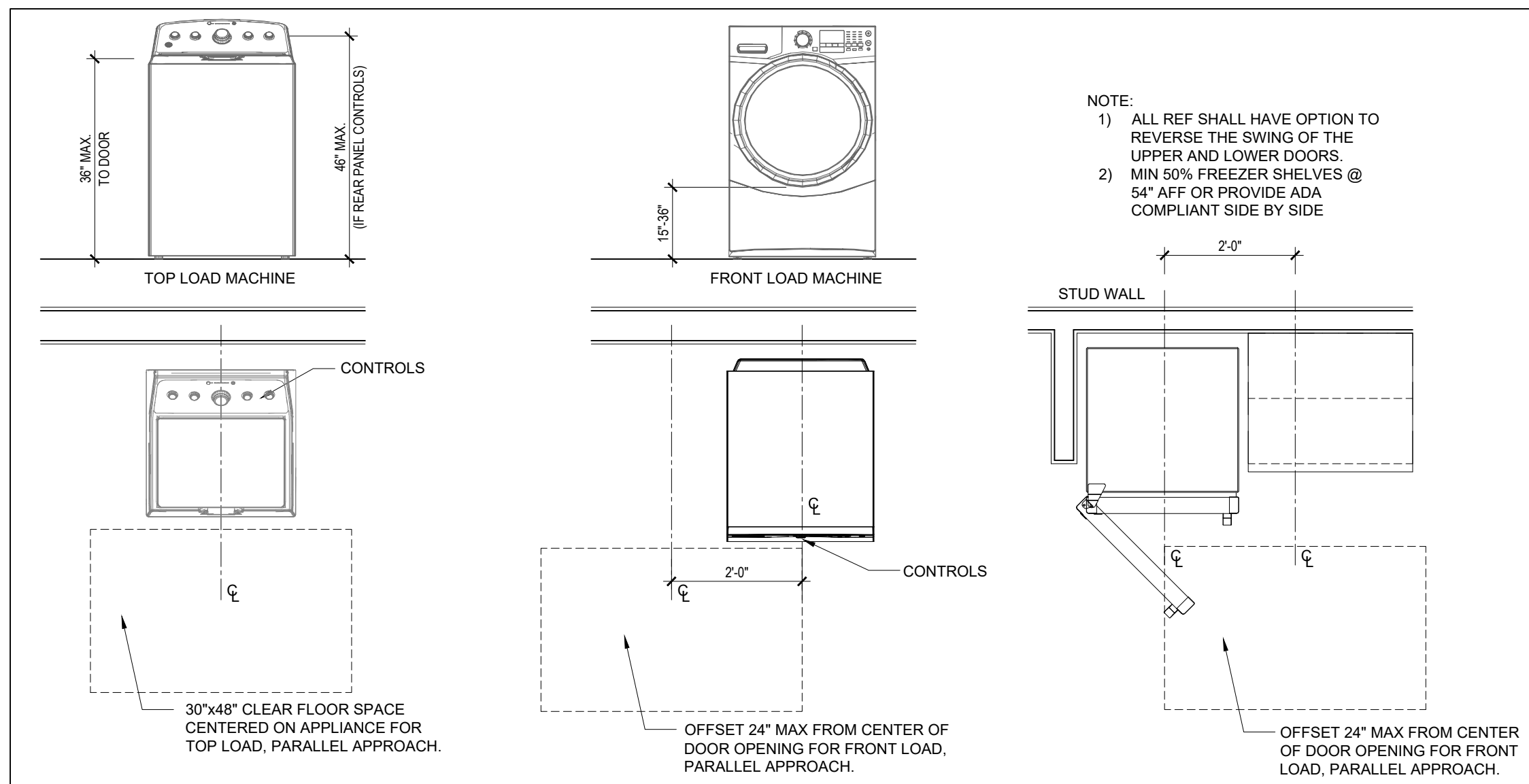
- THE GENERAL CONTRACTOR (G.C.) SHALL FULLY ACQUAINT THEMSELVES WITH THE CONDITIONS OF THE CONTRACT, LOCAL CONDITIONS RELATING TO THE JOB SITE, ACCESSIBILITY AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT THEY UNDERSTAND THE NATURE, EXTENT, DIFFICULTIES AND RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.
- ALL WORK PERFORMED BY THE CONTRACTOR/SUB-CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE MUNICIPAL, LOCAL OR FEDERAL AND STATE LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED WITHIN THE CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR/SUB-CONTRACTOR EXPRESSLY WARRANTS THAT ALL WORK SHALL BE EXECUTED IN A SOUND AND WORKMANLIKE MANNER IN CONFORMANCE WITH THE HIGHEST STANDARDS WITHIN THE INDUSTRY AND WARRANTS THAT ALL MATERIALS USED TO COMPLETE THE WORK/PROJECT ARE MERCHANTABLE, FREE FROM ANY PATENT OR LATENT DEFECT, FIT FOR THEIR INTENDED USE, AND EQUAL IN QUALITY TO THE BEST OF THEIR KIND.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND ALERT THE ARCHITECT AND OWNER IN ADVANCE, TO ANY UNFORESEEN CONDITIONS AND/OR CONSTRUCTION DIFFICULTIES PRIOR TO COMMENCING WORK OR WORKING ON THE AFFECTED PORTION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES. ANY EXISTING UTILITIES INDICATED HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE INDICATED FOR CONVENIENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL UTILITY LOCATIONS NOT INDICATED. CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGE OR DISTURBANCE TO EXISTING UTILITIES.
- THROUGHOUT THE DRAWINGS ARE ABBREVIATIONS THAT ARE IN COMMON USE AND/OR DEFINED WITHIN THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.
- TYPICAL WALL SECTIONS, FINISHES, DETAILS, ETC. ARE NOT INDICATED EVERYWHERE THEY OCCUR ON THE DRAWINGS; REFER TO DETAILED DRAWINGS WHERE PROVIDED.
- NOTHING IN THE DRAWINGS AND/OR THE SPECIFICATIONS/PROJECT MANUAL SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES, MANUFACTURER RECOMMENDATIONS, AND/OR REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER IMMEDIATELY AND CEASE WORK ON ALL PARTS OF THE CONTRACT THAT ARE AFFECTED. THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE MOST CURRENT ADOPTED, AND AS APPLICABLE, AMENDED, RULES, REGULATIONS, RESTRICTIONS, REQUIREMENTS AND CODES.
- IN CASE OF ANY CONFLICT WHEREIN THE METHODS OR STANDARDS OF INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER OF ALL CONFLICTS ONCE KNOWN.
- THE ARCHITECT ASSUMES NO RESPONSIBILITY AS TO THE PHYSICAL CHARACTERISTICS OF THE SOIL(S) OR THE ACCURACY OF ENGINEERING DATA SUPPLIED BY OTHERS.
- THE G.C. SHALL VERIFY DIMENSIONS, LEVELS, EASEMENTS, BOUNDARIES AND CONSTRUCTION INDICATED ON CONTRACT DRAWINGS BEFORE PROCEEDING WITH THE WORK. ALSO, THE G.C. SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR OMISSIONS BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS, BEFORE COMMENCING WITH ANY WORK AND REQUEST CLARIFICATION AS REQUIRED.
- DIMENSIONS, NOTES, FINISHES, AND FIXTURES SHOWN ON TYPICAL PLANS, SECTIONS, OR DETAILS SHALL APPLY TO SIMILAR, SYMMETRICAL OR OPPOSITE PLANS, SECTIONS OR DETAILS.
- DIMENSIONS NOTED AS "CLR." ARE TO BE CLEAR FROM FACE OF FINISH MATERIAL TO FACE OF FINISH MATERIAL OR CENTERLINE OF FIXTURE AND ARE NOT ADJUSTABLE WITHOUT WRITTEN APPROVAL OF ARCHITECT.
- THE CONTRACTOR SHALL VERIFY ALL ROUGH-IN DIMENSIONS FOR THE EQUIPMENT FURNISHED AND INSTALLED BY CONTRACTOR OR OTHERS.
- THE CONTRACTOR SHALL BE BOUND TO THE FINISH SCHEDULE(S) PROVIDED FOR ROOMS AND SPACES BUT SHALL ALSO BE RESPONSIBLE FOR PROVIDING OTHER MATERIALS NOT DESIGNATED IN THE SCHEDULE IF REQUIRED TO CREATE A FINISHED PRODUCT.
- INSTALL AND SEAL ALL BATHROOM ACCESSORIES (E.G. GRAB BARS, TOWEL BARS, ETC.) ON OR WITHIN WALLS TO PROTECT ELEMENTS FROM MOISTURE. WALLS AT SHOWERS AND BATHTUBS SHALL BE WATERTIGHT TO A MINIMUM OF 7'-0" HIGH ABOVE DRAIN INLET.
- PROVIDE APPROPRIATE SEALANT AROUND WINDOWS, DOOR JAMBS & HEADS, AND ADJACENT CONSTRUCTION.
- WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVE TREATED; USE OF CCA PRESERVATIVE IS PROHIBITED. USE APPROPRIATE FASTENERS PER PRESERVATIVE.
- ALL MATERIALS AND/OR EQUIPMENT SHALL BE INSTALLED/USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS & SHALL COMPLY W/ ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS.
- THE G.C. SHALL PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY CODE AND LOCAL FIRE MARSHALL. GENERAL CONTRACTOR SHALL REVIEW AND CONFIRM ESTABLISHED LOCATIONS W/ ARCHITECT PRIOR TO COMMENCEMENT OF BUILDING FRAMING.
- PROVIDE INTERIOR EXIT STAIRWAY NUMBERING SYSTEM PER NORTH CAROLINA BUILDING CODE SECTION 1023.9.1 AND ANY AND ALL OTHER APPLICABLE CODES/REGULATIONS.
- THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE G.C. SHALL MAINTAIN A CURRENT AND COMPLETE SET OF APPROVED CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
- THE G.C. SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND FOR ITEMS LISTED IN THE PROJECT MANUAL (UNDER SEPARATE COVER).
- ALL FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF 8" ABOVE THE FINISHED GRADE OR AS INDICATED ON THE DRAWINGS.
- PROVIDE TEMPERED GLASS AS REQUIRED BY CODE ADJACENT TO DOORS AND EXIT WAYS.
- GRADE SHALL BE SLOPED AWAY FROM BUILDING FOR POSITIVE DRAINAGE.
- ROWLOCKS ARE TO PROJECT MIN. 1/2" FROM THE FACE OF RUNNING BOND BELOW. UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- ALL HVAC, PLUMBING AND ELEC. PENETRATIONS THROUGHOUT THE EXTERIOR WALLS AND AT THE TOP AND BOTTOM PLATES SHALL BE PROPERLY SEALED.
- EXTERIOR SEALANT SHALL BE SILICONE BASED; NO OTHER TYPES SHALL BE USED.
- PROVIDE 1/2" TO 3/4" SEPARATION BETWEEN BASE FLASHING AND EXTERIOR MATERIALS.

- APPROVE ALL EXTERIOR MATERIALS & COLORS WITH THE OWNER & ARCHITECT PRIOR TO ORDERING/FABRICATION. CONTRACTOR TO CONSTRUCT A MOCK-UP PANEL OF BUILDING EXTERIOR (IN ACCORDING TO ARCHITECT'S INSTRUCTIONS PRIOR TO APPLICATION OF EXTERIOR FINISHES AND WINDOWS ON BUILDING. FINAL APPROVAL BY ARCHITECT & OWNER OF ALL EXTERIOR FINISHES / COLORS WILL BE MADE BASED ON THE MOCK-UP PANEL.
- THE G.C. SHALL ASSURE THAT ANY AND ALL MATERIAL COMPATIBILITY IS ACHIEVED WITH NO NEGATIVE EFFECT ON MATERIALS, I.E. CONTACT OF DISSIMILAR MATERIALS WILL HAVE NO NEGATIVE IMPACT/EFFECT ON EITHER MATERIAL OR SURROUNDING CONSTRUCTION. G.C. SHALL INFORM ARCHITECT OF ANY AND ALL CONCERNS PRIOR TO FABRICATION/INSTALLATION. PROVIDE GALVANIC INSULATION BETWEEN DISSIMILAR METALS.
- NO BRICK/MASONRY CORE HOLES SHALL BE EXPOSED, TYP. CLOSURE (SOLID CORE) BRICK/MASONRY SHALL BE USED WHERE CORE HOLES WOULD OTHERWISE BE EXPOSED TO THE ELEMENTS.
- EXPOSED STEEL LINTELS AND 'BREAK' METAL TO BE PAINTED TO MATCH ADJACENT SURFACE UNLESS NOTES OTHERWISE.
- PROVIDE SOLID BLOCKING WITHIN WALL CAVITY SEGMENTS BEHIND ALL EXTERIOR LIGHTS, SIGNAGE, BRACKETS, ETC.
- COORDINATE ALL EXTERIOR PAVING CONDITIONS WITH CIVIL DRAWINGS.
- ALL CAULKING/SEALANT COLORS TO MATCH ADJACENT SURFACES.
- PROVIDE 5/8" GWB WITHIN FIRE RATED WALL CAVITY SEGMENTS BEHIND ALL SURFACE MOUNTED ELECTRICAL PANELS PRIOR TO PANEL INSTALLATION.
- VERIFY ALL FINISH FLOOR ELEVATIONS WITH CIVIL DRAWINGS.
- COORDINATE ALL SIDEWALK LOCATIONS AND HEIGHTS WITH ALL HARDSCAPE PLANS. ALL SIDEWALKS AT DOOR THRESHOLDS SHALL BE LEVEL AND MEET ALL FHA REQUIREMENTS.
- LOADS ON HANDRAILS, GUARDS, AND VEHICLE BARRIERS SHALL COMPLY WITH 2018 NCSBC CHAPTER 16.
- ANY AND ALL MECHANICAL EQUIPMENT, APPLIANCES, AND SUPPORTS THAT ARE EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND LOADING/PRESSURES DETERMINED IN ACCORDANCE WITH THE 2018 NCSBC.

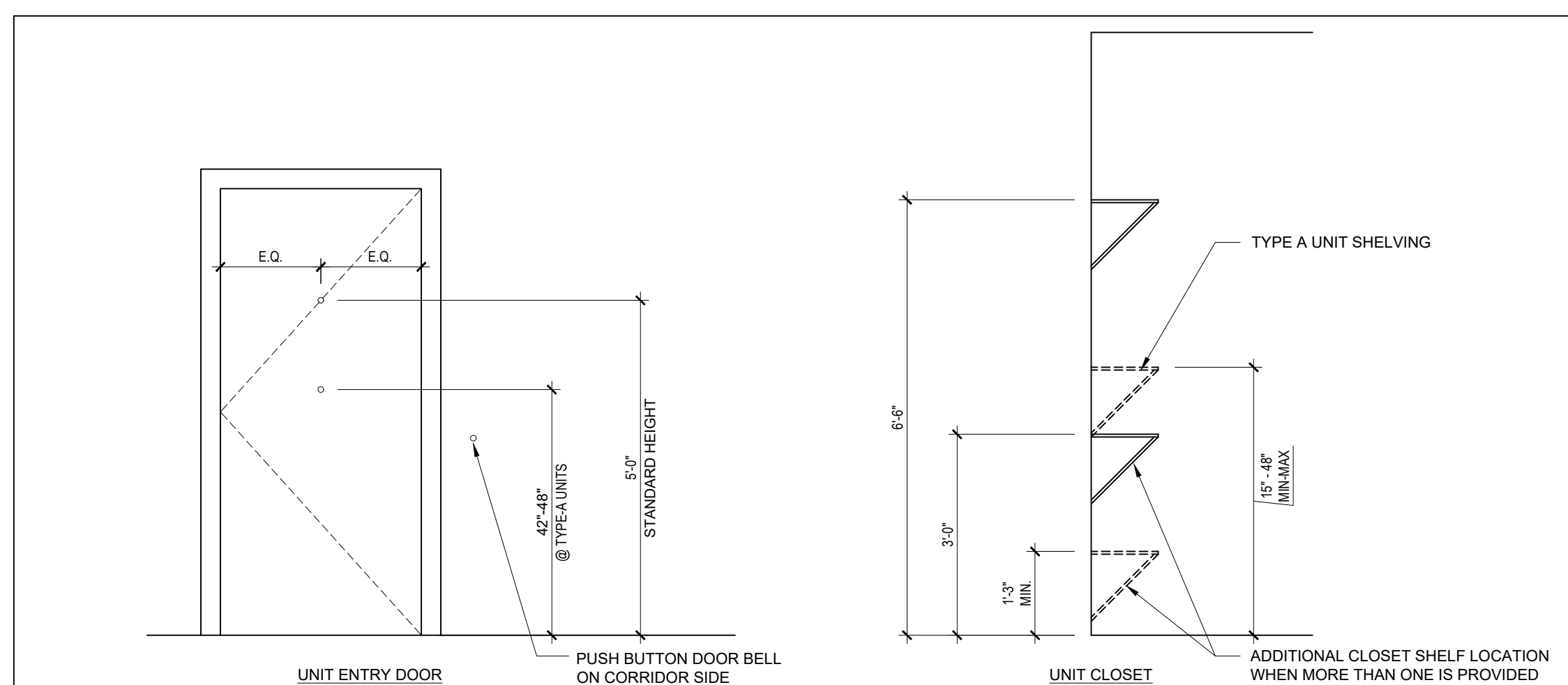
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SINK & ISLAND REQUIREMENTS

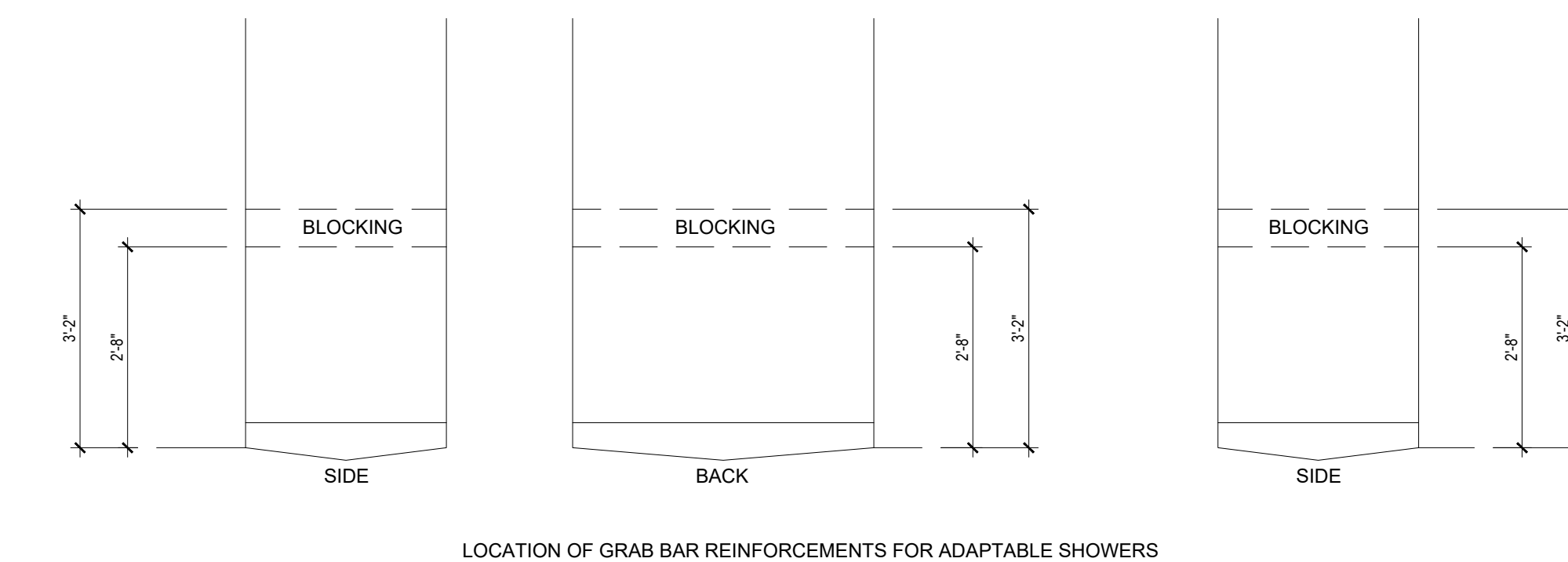
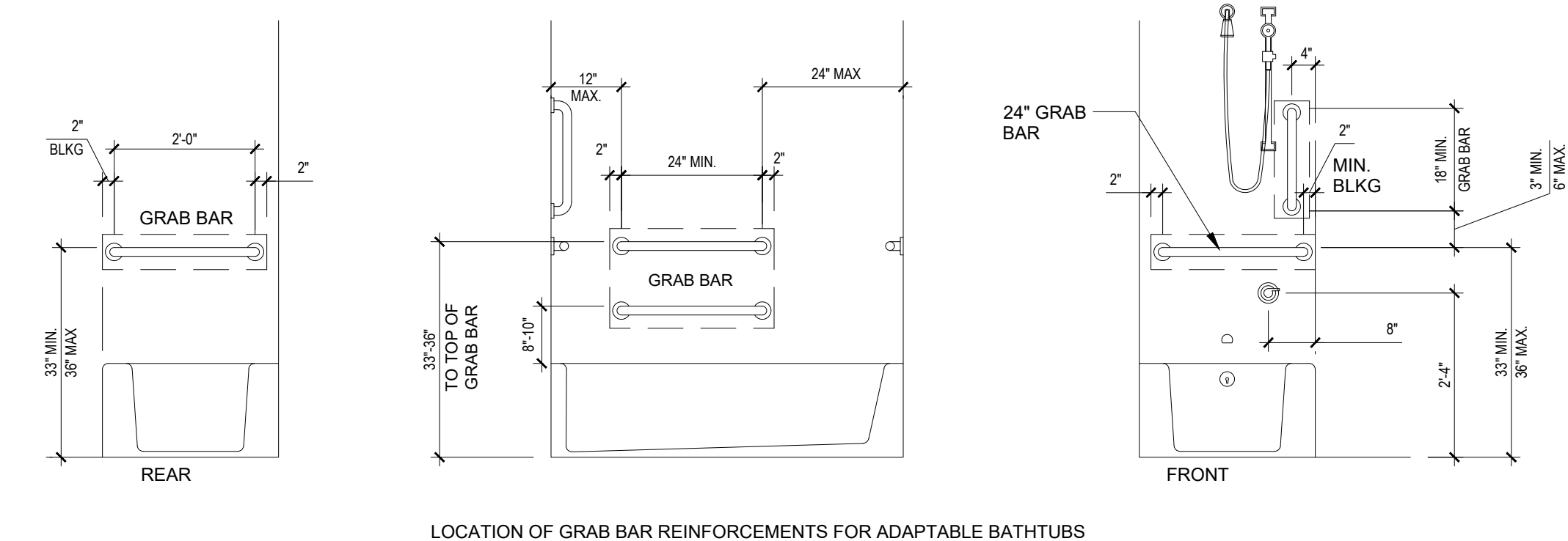
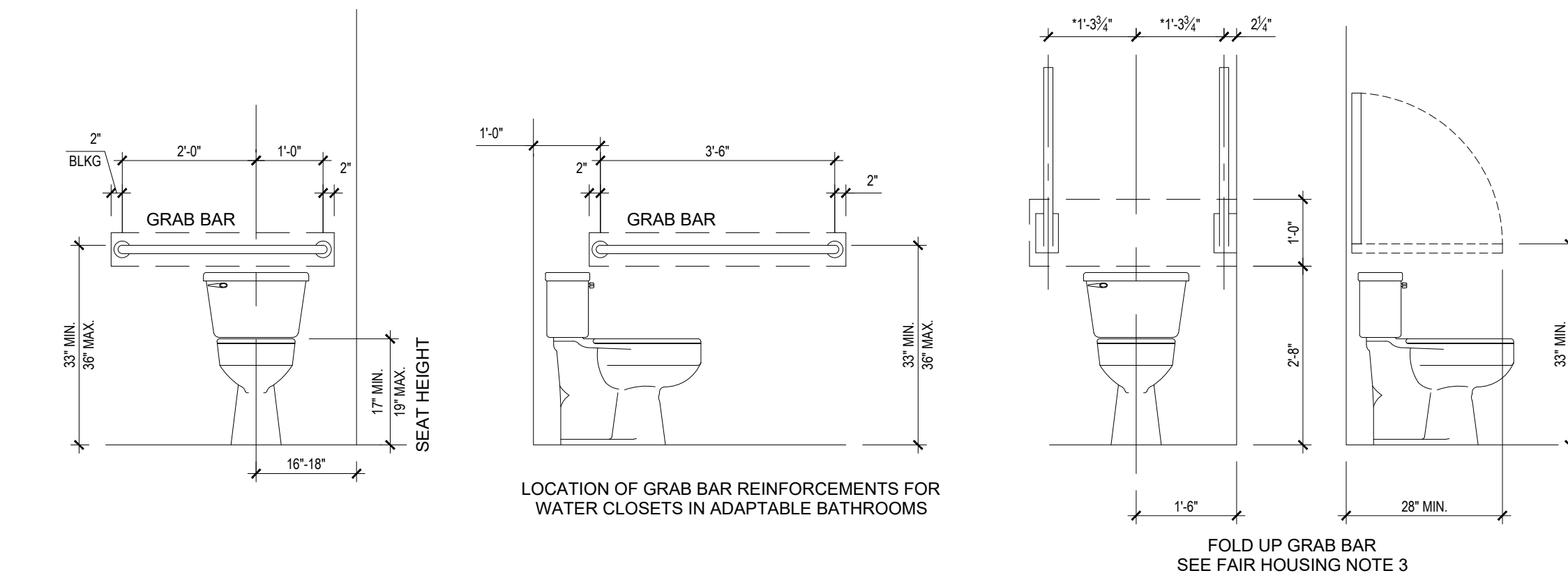
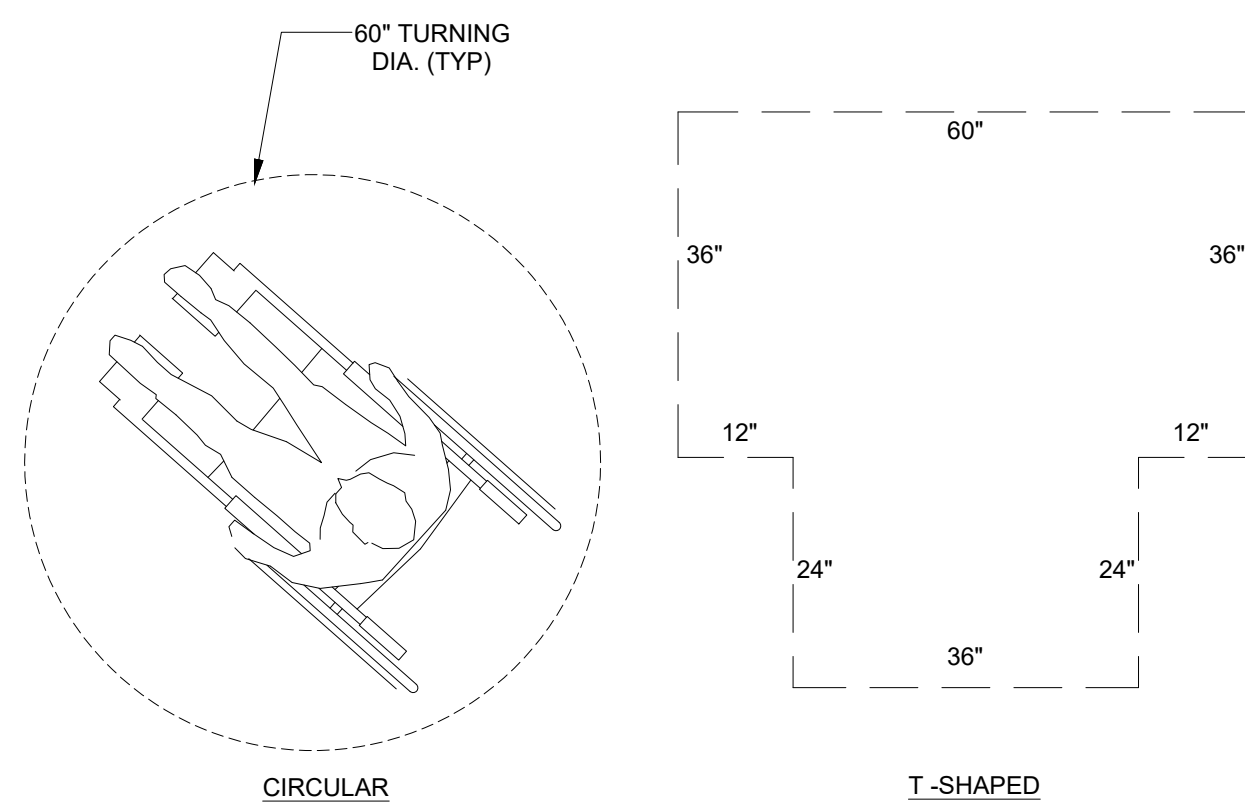


ACCESSIBLE APPLIANCE REQUIREMENTS



SHELVING & DOOR PEEP HOLE MOUNTING REQUIREMENTS

TURNING SPACE



NOTE: THE AREAS OUTLINED IN DASHED LINES REPRESENT LOCATIONS OF BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS. BLOCKING SHALL ACCOMMODATE GRAB BARS WHICH WILL BE MOUNTED AT 33"-36" AFF

TYPICAL BLOCKING REQUIREMENTS AND ACCESSIBILITY NOTES

ACCESSIBILITY REQUIREMENTS

- ALL GROUND FLOOR UNITS SHALL MEET THE REQUIREMENTS OF TYPE B UNITS PER THE NORTH CAROLINA STATE BUILDING CODE.
- ALL UNITS ON FLOORS SERVED BY AN ELEVATOR SHALL MEET THE REQUIREMENTS OF TYPE B UNITS PER THE NORTH CAROLINA STATE BUILDING CODE.
- SEE CIVIL DRAWINGS FOR ACCESSIBLE ROUTES WITHIN THE SITE AND ROUTE TO THE BUILDING.
- PROVIDE 12" MIN. CLEARANCE ON PUSH SIDE OF ALL UNIT ENTRY DOORS.
- PROVIDE "FINGER PULL-U-SHAPED" HARDWARE ON ALL KITCHEN AND BATHROOM CABINETS PER ANSI 117.1 SECTION 404.2.6.
- GC RESPONSIBLE FOR ACCESSIBILITY COMPLIANCE ON ANY TEMPORARY LEASING TRAILERS ON SITE.
- CABINET SHOP DRAWINGS SHALL INCLUDE ACCESSIBLE CLEARANCE AREAS SUBMITTED TO THE ARCHITECT FOR REVIEW. SHOP DRAWINGS SHALL BE APPROVED BY THE GC AND REVIEWED BY THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF KITCHEN AND BATHROOM CABINETS IN BOTH TYPE A AND TYPE B UNITS.
- MAXIMUM DOOR THRESHOLD HEIGHT ON ALL TYPE A OR TYPE B HINGED DOORS SHALL BE 1/2". SLIDING DOORS TO BE 3/4".

REQUIREMENTS FOR ALL TYPE "A" & TYPE "B" DWELLING UNITS

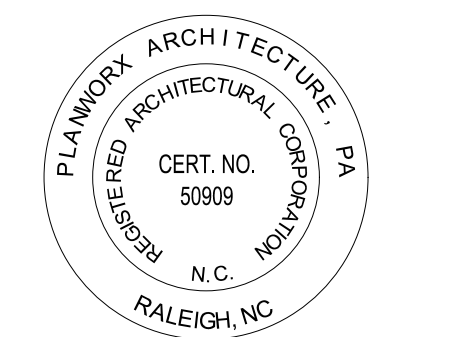
- THE FOLLOWING SHALL BE INSTALLED IN TYPE A AND TYPE B UNITS PRIOR TO CERTIFICATE OF OCCUPANCY.
- PERPENDICULAR WALL BLOCKING FOR GRAB BARS & SHOWER SEAT CAPABLE OF SUPPORTING 250 LBS. LOCATE BLOCKING AT 2'-9" TO C.L. TO CENTERLINE ABOVE TUB AND AT WATER CLOSET.
 - MOUNT TOILET PAPER HOLDER BETWEEN 18" & 19" A.F.F. TO BOTTOM OF HOLDER.
 - TOWEL BARS MOUNTED AT 48" A.F.F. (MAX).
 - LIGHT AND FAN SWITCHES, DRAPERY MECHANISMS, THERMOSTATS AND FIRE ALARMS SHALL BE LOCATED NO HIGHER THAN 48" A.F.F.
 - ELECTRICAL OUTLETS SHALL NOT BE LOCATED LOWER THAN 15" MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF LOWEST RECEPTACLE PLUG IN THE BOX.
 - ELECTRICAL PANELS MUST BE MOUNTED A MINIMUM OF 24" FROM THE ADJACENT PERPENDICULAR WALL TO CENTER OF THE PANEL. ALL OPERABLE BREAKERS ARE REQUIRED TO BE LOCATED BETWEEN 15" AFF MIN. 48" AFF MAX.
 - PROVIDE LEVER STYLE DOOR HANDLE ON ALL DOORS WITHIN TYPE A AND TYPE B UNITS. ALL OPERABLE PARTS SHALL BE LOCATED 34"-48" MAX AFF

GENERAL REQUIREMENTS FOR TYPE "A" DWELLING UNITS

- THE FOLLOWING SHALL BE INSTALLED IN TYPE A UNIT PRIOR TO CERTIFICATE OF OCCUPANCY.
- WATER SUPPLY AND DRAIN LINES UNDER KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL BE INSULATED OR SHIELDED TO PROTECT AGAINST KNEE CONTACT. PROVIDE REAR DRAIN SINKS AT ALL TYPE A UNITS AND LAVATORIES.
 - CABINET FRONT AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL BE REMOVABLE WITHOUT THE REMOVAL OR REPLACEMENT OF THE SINK/LAV.
 - FLOOR FINISH AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL EXTEND UNDER THE CABINETRY.
 - THE WALL BEHIND AND THE CABINETRY SURROUNDING THE KNEE SPACE AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL BE FINISHED.
 - PROVIDE A MIN. 30" W X 19" L X 27" H CLEAR FLOOR AREA BELOW KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY.
 - INSTALL SHELVES IN CLOSETS AT 48" A.F.F. MAX.
 - INSTALL RANGE W/ FRONT MOUNTED CONTROLS.
 - INSTALL DISHWASHER WITH FRONT MOUNTED PUSH-BUTTON CONTROLS. DISHWASHER DOOR SHALL LOCK EITHER BY BUTTON OR LEVER.
 - PROVIDE ACCESSIBLE WASHER AND DRYER WITH FRONT CONTROLS. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENTS 36 INCHES MAXIMUM ABOVE THE FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FLOOR.
 - PROVIDE KITCHEN SINK W/ AT LEAST ONE BOWL DEPTH THAT ALLOWS KNEE CLEARANCE DEPTH OF 8 INCHES AT 27 INCHES AFF AND 11 INCHES DEPTH AT 9 INCHES AFF.
 - PROVIDE ACCESSIBLE LAVATORY THAT ALLOWS KNEE CLEARANCE DEPTH OF 8 INCHES AT 27 INCHES AFF AND 11 INCHES DEPTH AT 9 INCHES AFF.
 - PROVIDE ADJUSTABLE SHOWER HEAD W/ 60" FLEXIBLE HOSE AT 76" A.F.F. AND SINGLE LEVER WATER CONTROL AT 6" MAX. ABOVE AND 8" TUB RIM AND 8" CENTERLINE FROM TUB EDGE.
 - BOTTOM EDGE OF MIRROR REFLECTIVE SURFACE MOUNTED AT 40" A.F.F. (MAX.) ACCESSIBLE PEEP HOLE BETWEEN 42"-48" AFF.
 - PROVIDE KITCHEN COUNTER WORK SURFACE AT 34 INCHES AFF. PROVIDE PULL UNDER KNEE SPACE AT A SECTION OF WORK SURFACE OF MINIMUM WIDTH 30 INCHES 15. PROVIDE PUSH BUTTON DOOR BELL ON CORRIDOR SIDE OF EACH TYPE A UNIT ON LATCH/STRIKE SIDE OF UNIT ENTRY DOOR.
 - INSTALL TWO PEEP HOLES ON ALL TYPE A UNIT ENTRY DOORS. INSTALL LOWER, ACCESSIBLE PEEP HOLE BETWEEN 42"-48" AFF.
 - PROVIDE 18" CLEAR BETWEEN DOOR EDGE AND ADJACENT WALL ON PULL SIDE OF ALL PASSAGE DOORS LOCATED WITHIN TYPE A UNITS.
 - WATER CLOSET FLUSH CONTROLS ON OPEN SIDE OF ALL TOILETS IN TYPE A BATHROOMS.
 - PROVIDE RANGE WITH FRONT CONTROLS IN ALL TYPE A UNITS.
 - PROVIDE WALL SWITCH FOR ALL RANGE HOODS IN TYPE A KITCHENS.

ADAPTABLE OPTIONS FOR TYPE "A" DWELLING UNITS AFTER CERTIFICATE OF OCCUPANCY

- THE FOLLOWING ADAPTABLE FEATURES ARE ALLOWED TO BE INSTALLED AFTER CERTIFICATE OF OCCUPANCY BUT BEFORE OCCUPATION BY A HANDICAPPED TENANT.
- INSTALL GRAB BARS IN BATHROOMS. (BLOCKING SHALL BE PROVIDED BEFORE C OF O PER ABOVE NOTES)
 - INSTALL TUB SEAT IN ACCESSIBLE BATHTUB(S).
 - INSTALL SHOWER SEAT IN ACCESSIBLE SHOWER(S).



Cape Overlook Pool House

Triangle Land Partners

Lillington, NC

Issued for Permit (10-25-24)



10-25-2024

PROGRESS DATE:	ISSUE DATE:	REVISION NUMBER:	DESCRIPTION:
10-25-2024	10-25-2024		

PROJECT NO: 002824

DRAWN BY: BB

CHECKED BY: DS

SHEET TITLE:

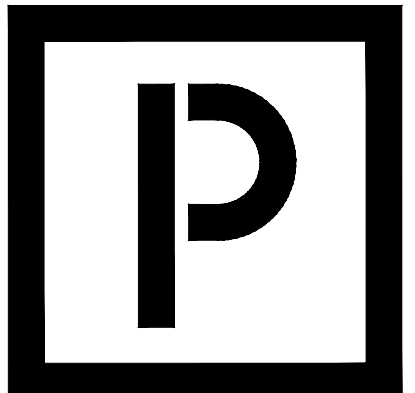
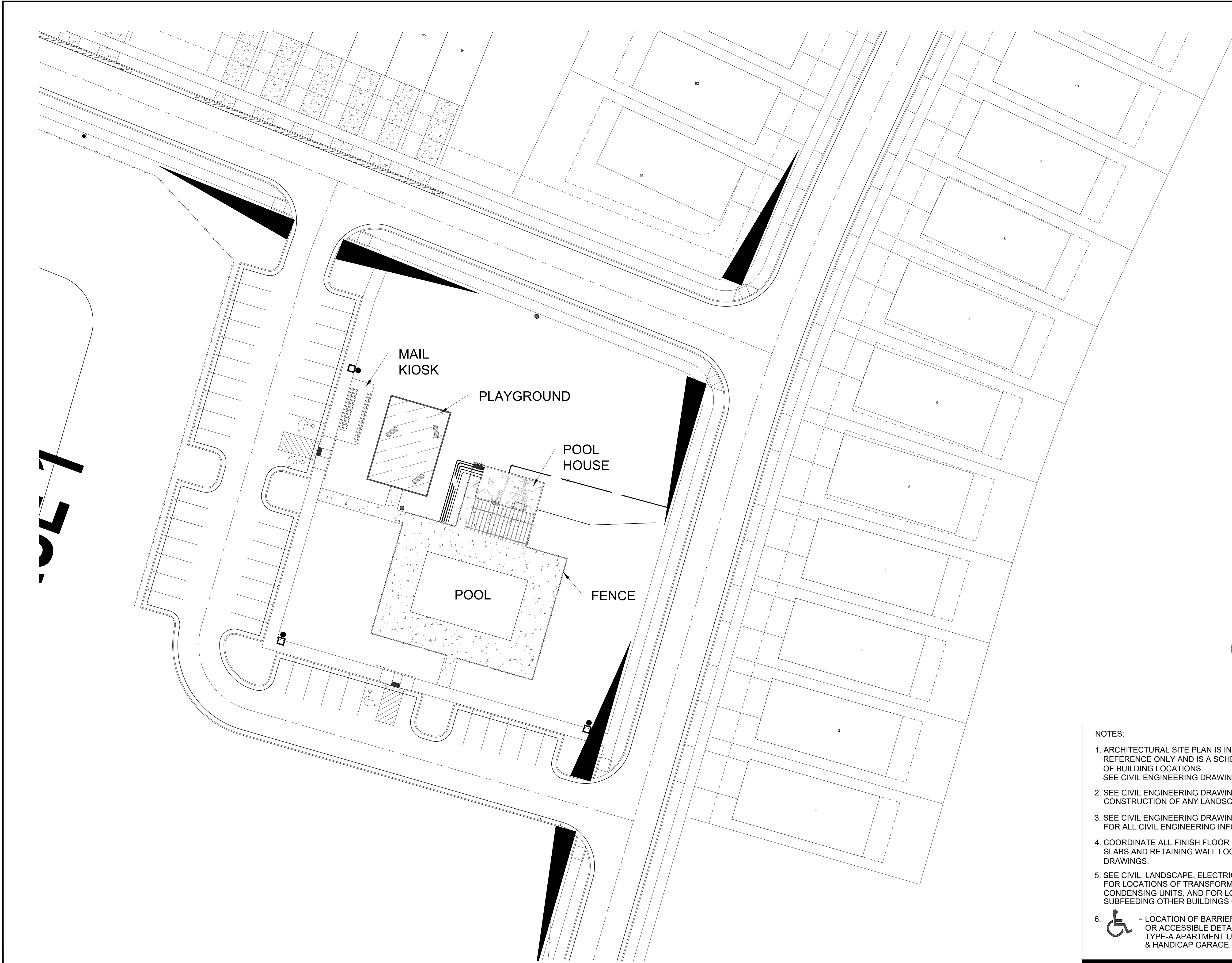
Accessibility Requirements

SHEET NUMBER:

G003

1 ACCESSIBILITY NOTES

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Cape Overlook Pool House

Triangle Land Partners

Lillington, NC

Issued for Permit (10-25-24)



10-25-2024

NOTES:

1. ARCHITECTURAL SITE PLAN IS INTENDED TO BE FOR REFERENCE ONLY AND IS A SCHEMATIC REPRESENTATION OF BUILDING LOCATIONS. SEE CIVIL ENGINEERING DRAWINGS FOR SITE SCOPE
2. SEE CIVIL ENGINEERING DRAWINGS FOR CONSTRUCTION OF ANY LANDSCAPE & RETAINING WALLS
3. SEE CIVIL ENGINEERING DRAWINGS FOR ALL CIVIL ENGINEERING INFORMATION.
4. COORDINATE ALL FINISH FLOOR ELEVATIONS, ACCESSORY BUILDING SLABS AND RETAINING WALL LOCATIONS WITH CIVIL ENGINEERING DRAWINGS.
5. SEE CIVIL, LANDSCAPE, ELECTRICAL, AND MECHANICAL DRAWINGS FOR LOCATIONS OF TRANSFORMERS, METER CENTERS, CONDENSING UNITS, AND FOR LOCATIONS OF METERS SUBFEEDING OTHER BUILDINGS OR SITE FEATURES.
6. = LOCATION OF BARRIER-FREE PARKING SPACE OR ACCESSIBLE DETACHED GARAGE BAY, TYPE-A APARTMENT UNIT ON GROUND LEVEL & HANDICAP GARAGE BAY AS NOTED.

PROGRESS DATE:	ISSUE DATE:	REVISIONS:	INITIALS	DESCRIPTION
-	10-25-2024			

PROJECT NO: 002824

DRAWN BY: BB

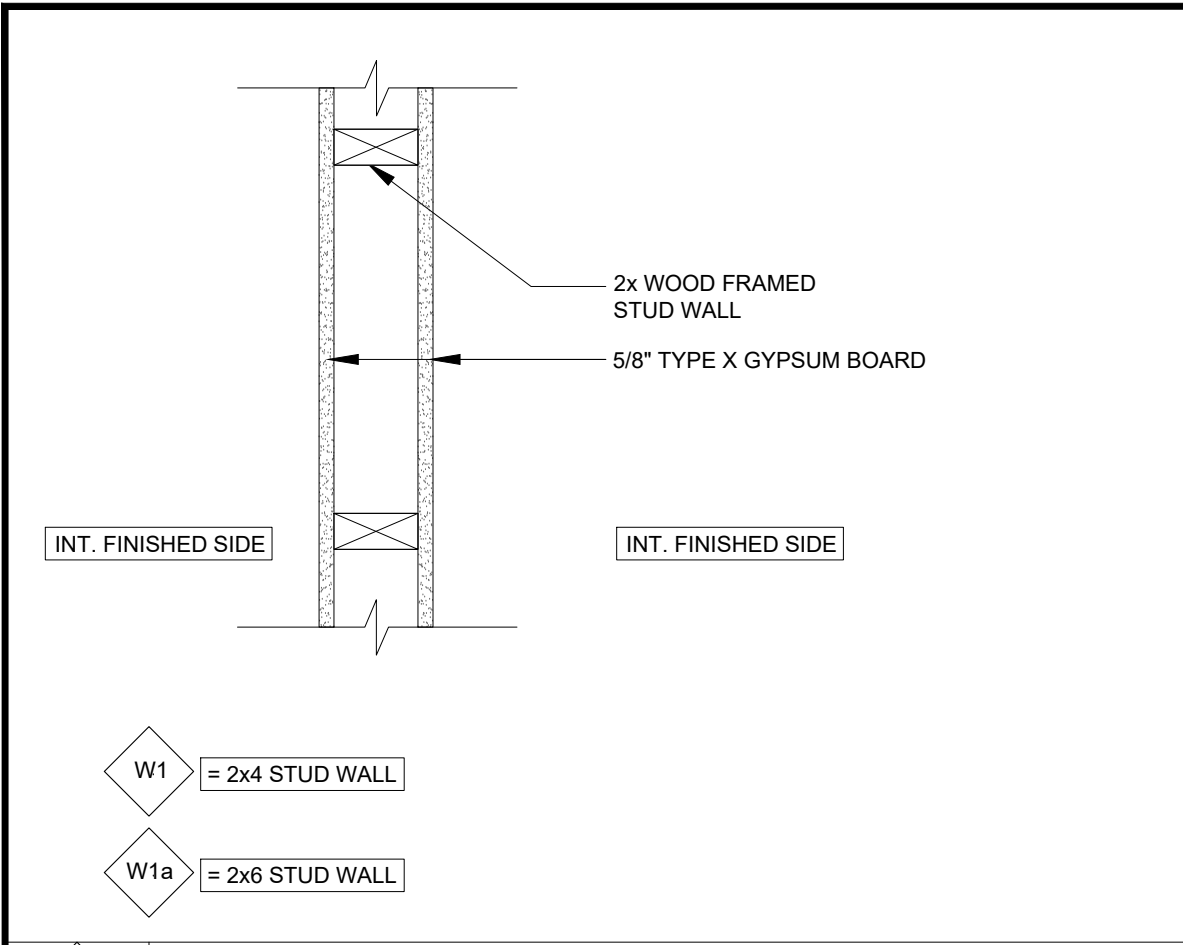
CHECKED BY: DS

SHEET TITLE: Architectural Site Plan

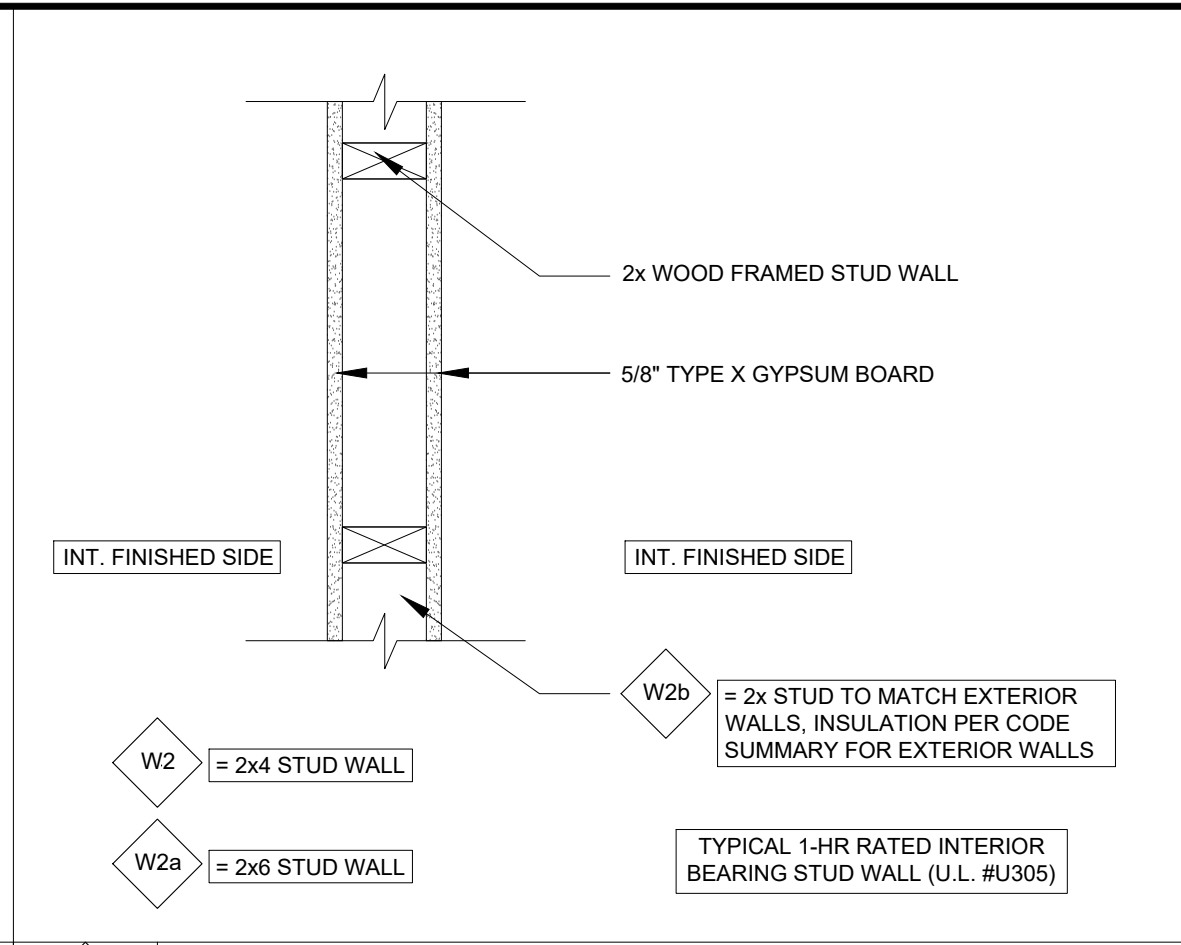
SHEET NUMBER: G004

1 ARCHITECTURAL SITE PLAN
NTS

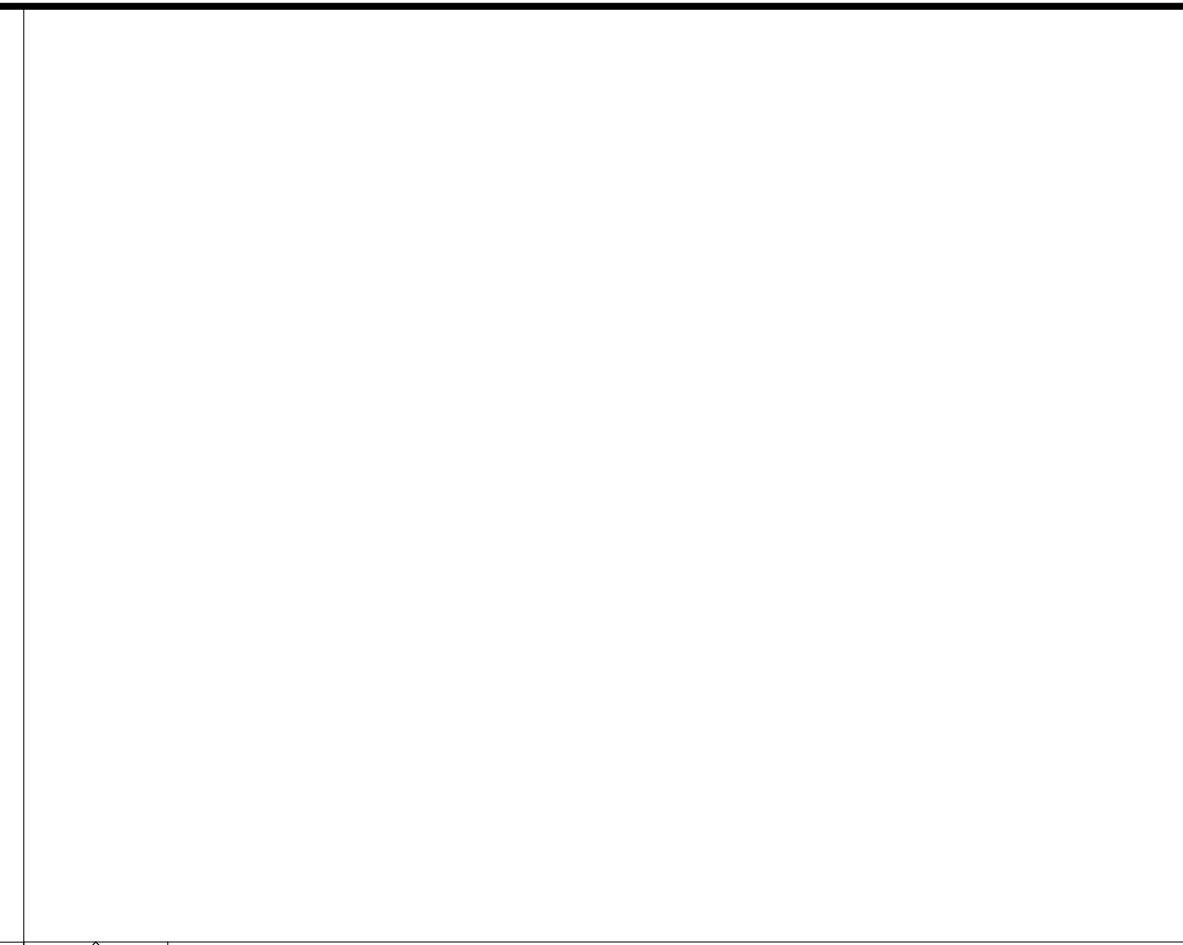
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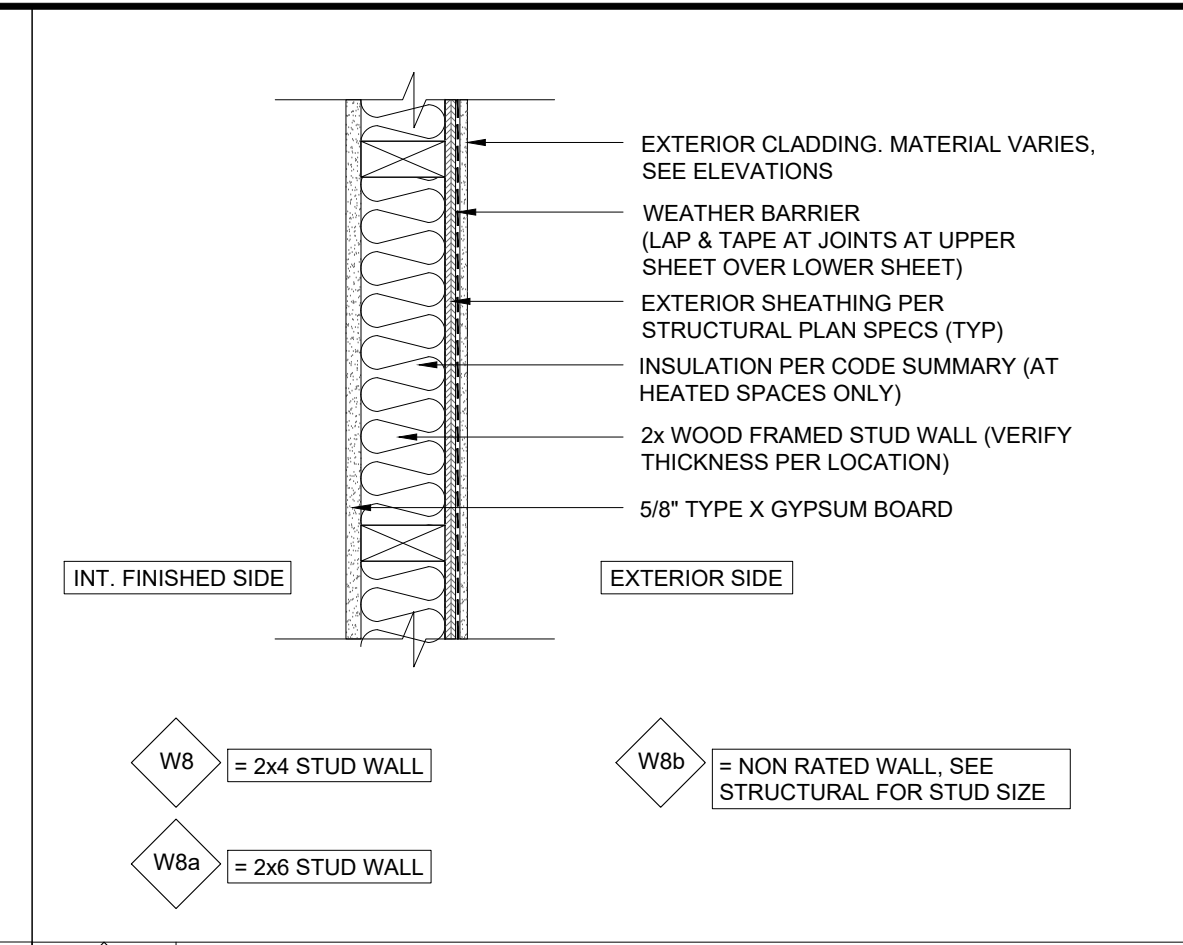
W1 TYPICAL INTERIOR STUD WALL
SCALE: 1 1/2" = 1'-0"



W2 1-HR RATED INTERIOR BEARING WALL
SCALE: 1 1/2" = 1'-0"



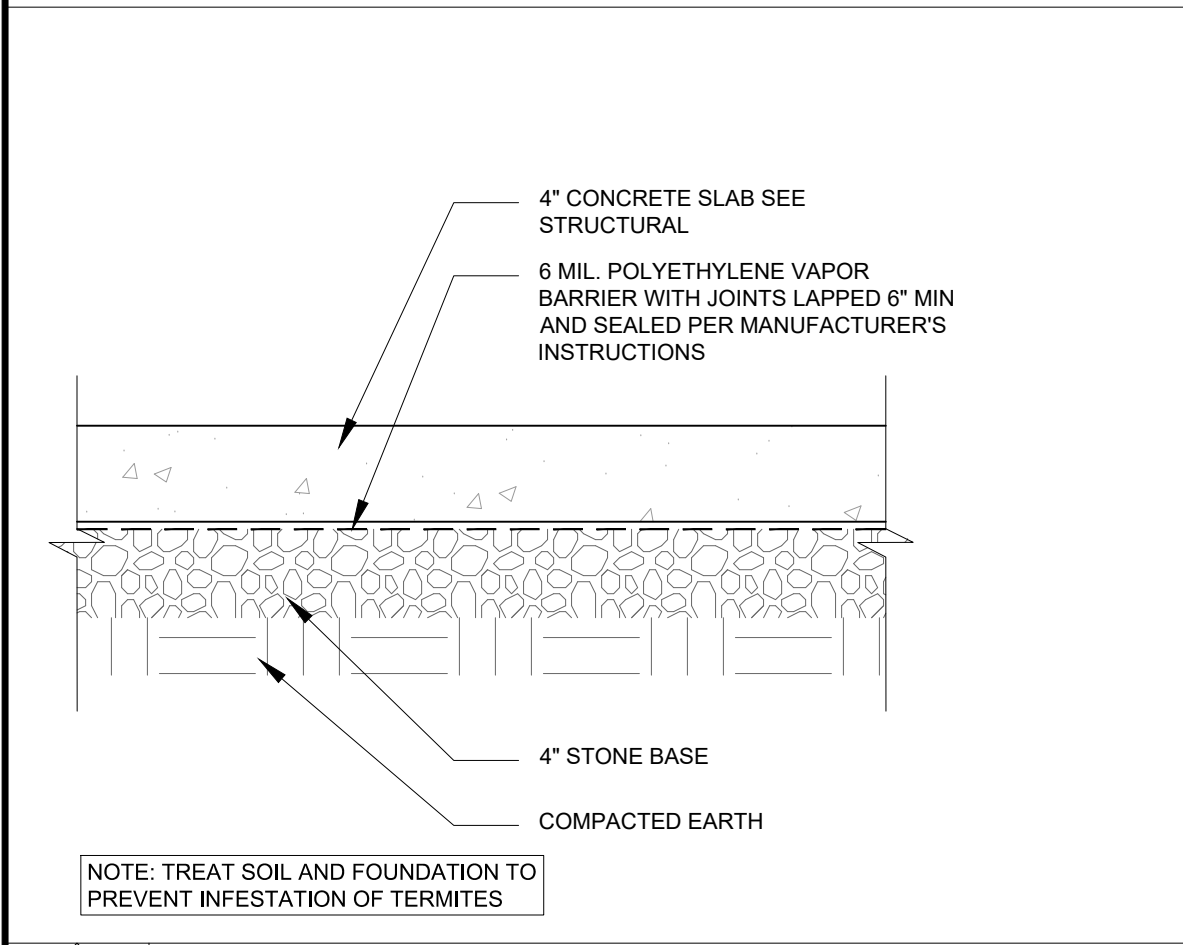
W3 NOT USED



W8 TYP. EXT. BEARING WALL - CLADDING
SCALE: 1 1/2" = 1'-0"

- GENERAL ASSEMBLY NOTES:
- REFER TO STRUCTURAL DRAWINGS FOR ALL SHEAR WALL LOCATIONS AND TYPES. STUD SIZES LISTED IN STRUCTURAL DRAWINGS SUPERSEDE ARCHITECTURAL NOTES. INFORM ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.
 - SEE STRUCTURAL FOR STUD SPACING. NON-LOAD BEARING WALLS 16" OC UNO.
 - SEE UL DETAILS FOR SPECIFIC REQUIREMENTS OF RATED ASSEMBLIES.
 - MINIMUM STC VALUE OF 50 BETWEEN TENANT DEMISING WALLS AND UNIT/CORRIDOR WALLS PER SECTION 1207.2 OF THE 2018 NCSBC. MINIMUM IIC VALUE OF 50 BETWEEN UNIT FLOOR/CEILING.
 - SEE SCHEDULE SHEETS FOR INTERIOR AND EXTERIOR MATERIAL SPECIFICATIONS.
 - PROVIDE NON-RATED 5/8" GYPSUM BOARD AT EXTERIOR WALLS OF ALL AMENITY BUILDINGS
 - ALL WALL, FLOOR, CEILING AND ROOF ASSEMBLIES, AND INTERSECTIONS OF WALL/CEILING ASSEMBLIES, TO BE FIREBLOCKED AND DRAFTSTOPPED PER SECTION 718 OF THE 2018 NCSBC.

GENERAL ASSEMBLY NOTES
NTS



F4 TYP. FLOOR SLAB ASSEMBLY
SCALE: 1 1/2" = 1'-0"



R1 1-HR. ROOF/CLG. ASSEMBLY - SHINGLE
SCALE: 1 1/2" = 1'-0"



R5 NON-RATED ROOF/CLG. ASSEM.-SHINGLE
SCALE: 1 1/2" = 1'-0"

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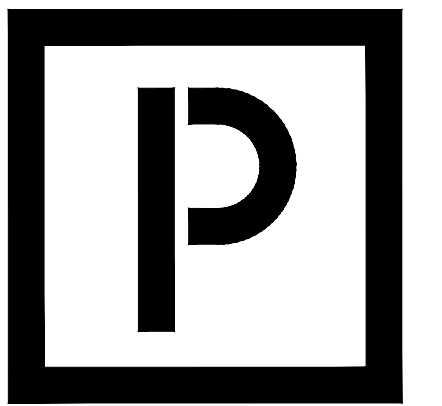
Cape Overlook Pool House
Triangle Land Partners
Lillington, NC
Issued for Permit (10-25-24)

10-25-2024

PROGRESS DATE:	ISSUE DATE:	REVISIONS:	INITIALS	DESCRIPTION
-	10-25-2024			

PROJECT NO: 002824
DRAWN BY: BB
CHECKED BY: DS
SHEET TITLE: Assembly Types
SHEET NUMBER: G020

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10-25-2024

ISSUE DATE:
10-25-2024

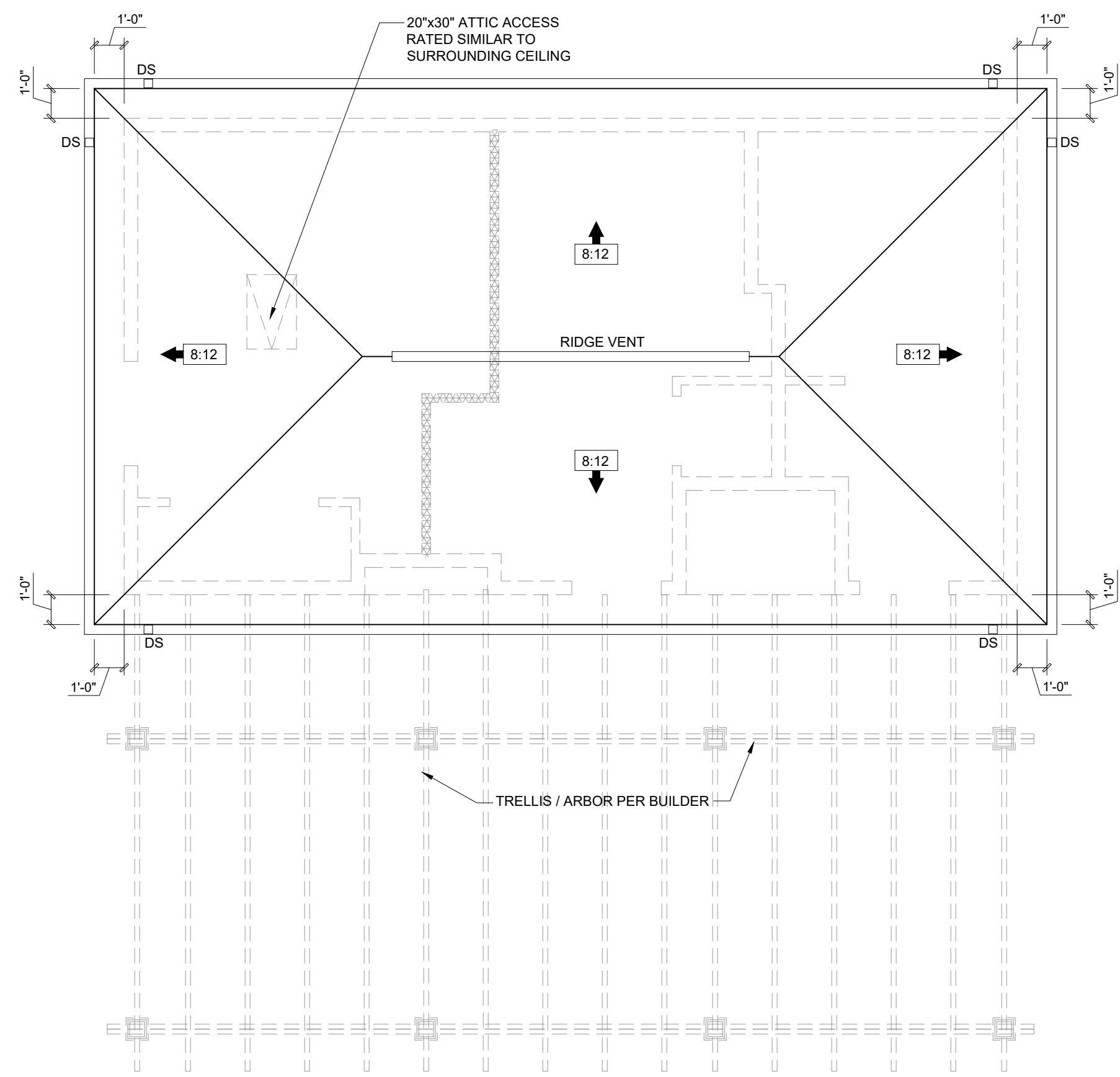
PROJECT NO: 002824

DRAWN BY: BB

CHECKED BY: DS

SHEET TITLE:
Pool House
Floor Plan & Roof Plan

SHEET NUMBER:
A100



ROOF PLAN GENERAL NOTES

- ALL DOWNSPOUTS ARE 6" AND TO TIE INTO STORM. SEE CIVIL
- APPLY ICE+WATER SHIELD TO ALL AREAS OF ROOF NOTED BELOW:
 - VALLEYS, MIN. 18" EACH SURFACE
 - ROOF SLOPES BELOW 4:12
 - ROOF/WALL INTERSECTIONS

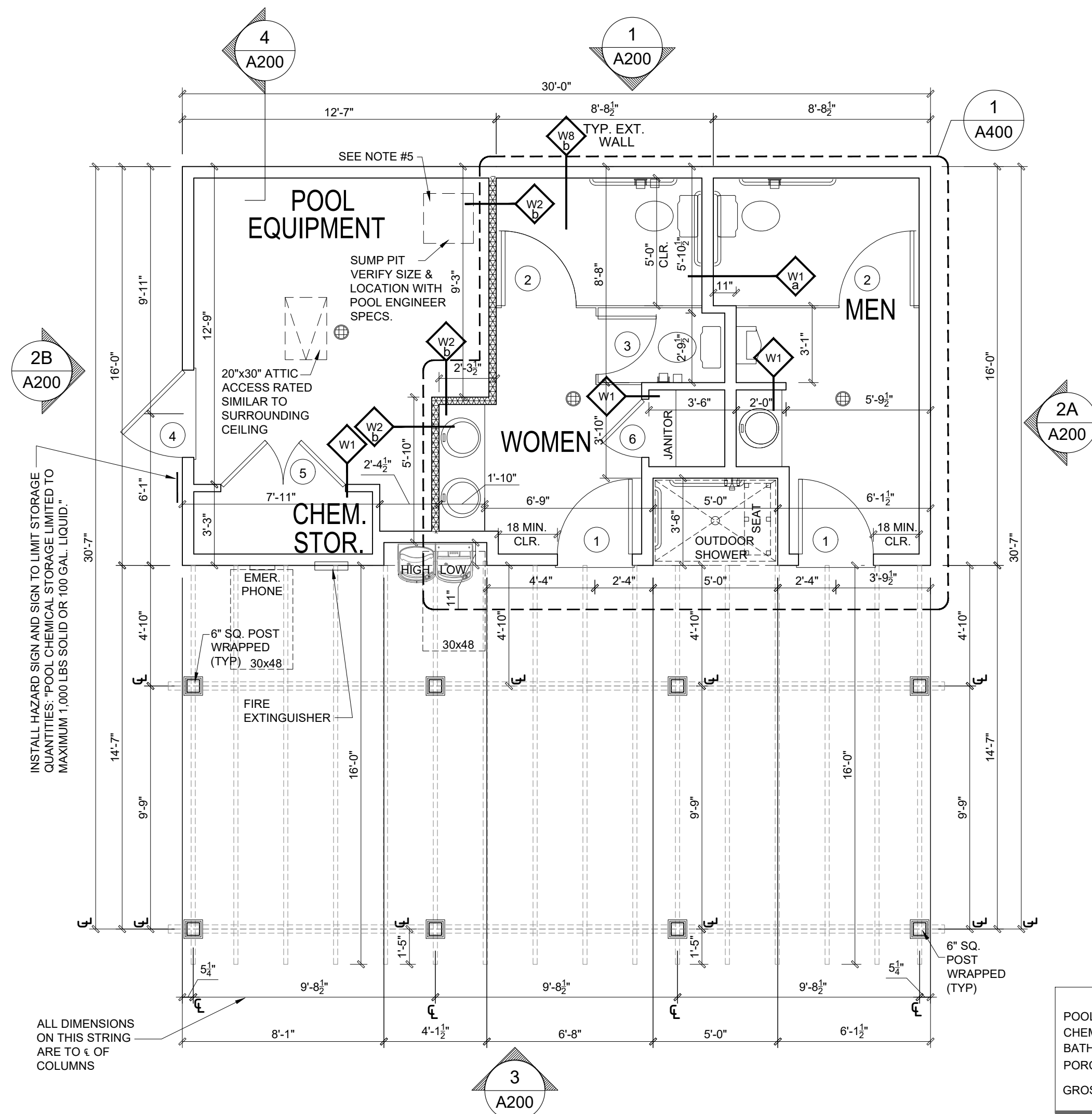
D.S. = DOWNSPOUT
T.R.B. = TO ROOF BELOW

A	Ceiling area (square footage)	576
B	Sqft. of ventilation required	1.9

Formulas: B = A / 300

Notes:
Builder to calculate quantities and types of vents to make up the minimum requirement. Attic ventilation shall be approximately 50% soffit, and 50% high (gable end or ridge vents).

2 POOL HOUSE - ROOF PLAN
SCALE: 1/4" = 1'-0"



ARCHITECTURAL PLANS WALL LEGEND

- STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING
STYLE THICKNESS OF WALL NOTED IN PLAN NOTES OR AT WALL LOCATIONS
- HALF WALL WITH 1x CAP
(42" HEIGHT UNLESS NOTED OTHERWISE ON PLANS)
- 1 HOUR RATED WALL DESIGNATION
SEE LIFE SAFETY SHEET G010

POOL HOUSE FLOOR PLAN GENERAL NOTES

WALLS

- ALL EXTERIOR WALLS ARE ASSEMBLY TYPE W8a AT EXTERIOR LOCATIONS INDICATED ON THE EXTERIOR ELEVATIONS (U.N.O). SEE G SERIES SHEETS FOR DETAILS.
- ALL EXTERIOR WALLS ARE 2x6 STUDS U.N.O AND DIMENSIONED TO EXTERIOR STUD EDGE. ALL INTERIOR WALLS ARE ASSEMBLY TYPE W1 (U.N.O)
- ALL GYPSUM BOARD TO BE MOISTURE RESISTANT

ATTIC ACCESS

ATTIC ACCESS SHALL BE PROVIDED BY BUILDER ACCORDING TO LOCAL CODE.

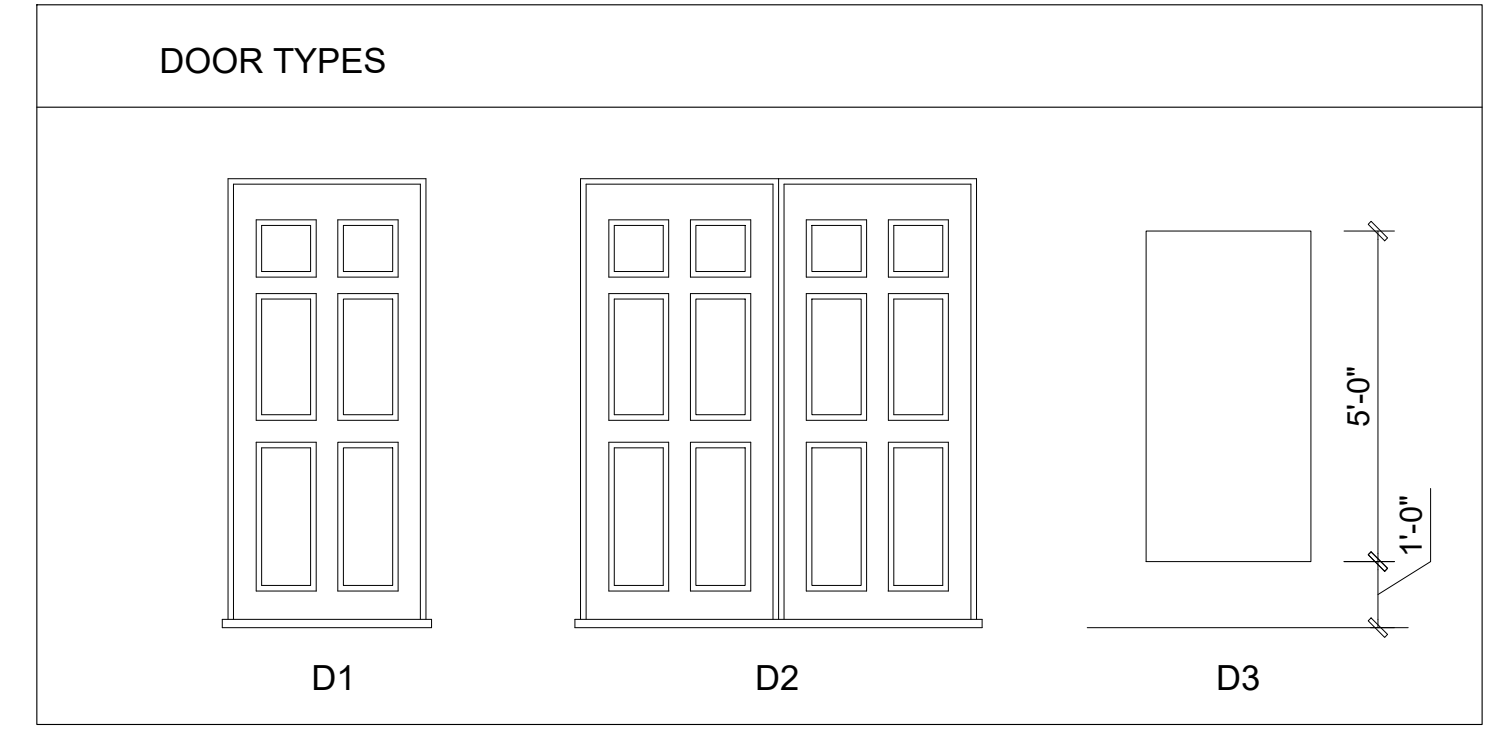
WALL/CEILING HEIGHTS

- WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 10'-1 1/8" ACTUAL WALL HEIGHT IS LABELED 10/0 ON THE PLANS).
- PROVIDE FULL HEIGHT FRP FINISH AT POOL EQUIPMENT AND CHEM. STORAGE ROOMS GENERAL

- ALL EXTERIOR THRESHOLDS TO BE BARRIER FREE DESIGN.
- SUMP PIT, POOL EQUIPMENT ROOM SIZE / LAYOUT, FLOOR DRAINS & HOSE BIBS TO BE VERIFIED BEFORE CONSTRUCTION BEGINS TO COORDINATE WITH POOL MANUFACTURERS SPECS & DRAWINGS BY OTHERS. IF NOT SUPPLIED PRIOR TO PERMITTING DRAWING RELEASE ARCHITECT HOLDS NO LIABILITY FOR FUTURE COORDINATION (TYP).
- ANY STRUCTURAL INFORMATION SHOWN IS FOR REFERENCE ONLY & TO BE CONFIRMED ON THE APPROPRIATE STRUCTURAL SHEETS. IF THERE ARE ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL SHEETS, THE INFORMATION SHOWN ON THE STRUCTURAL SHEETS WILL OVERRIDE ANY ARCHITECTURAL INFORMATION SHOWN AND SHOULD BE REPORTED TO PLANWORX ARCHITECTURE, P.A., FOR CONFIRMATION BEFORE CONSTRUCTION.
- MATERIALS STORED ARE CORROSIVE, IRRITANT, APPROX. 200 LBS. SOLID.
- SUMP PIT W/ 6" TO S.S. VERIFY FINAL SIZE AND LOCATION WITH POOL ENGINEERS DRAWINGS.
- CHEMICAL STORAGE SPACE BASED ON MIN. OF FIVE SQFT. FOR THE FIRST 10,000 GALLONS OF POOL WATER PLUS ONE ADDITIONAL SQFT. FOR EACH ADDITIONAL 3,000 GALLONS OR PORTION THEREOF UP TO A TOTAL AREA OF 100 SQFT. STORAGE SIZE TO BE FIELD VERIFIED.

POOL EQUIPMENT ROOM =	154
CHEM. STORAGE =	26
BATHROOMS =	279
PORCH / SHOWER =	501
GROSS BLDG. SQ. FT. =	637

1 POOL HOUSE - FLOOR PLAN
SCALE: 1/4" = 1'-0"

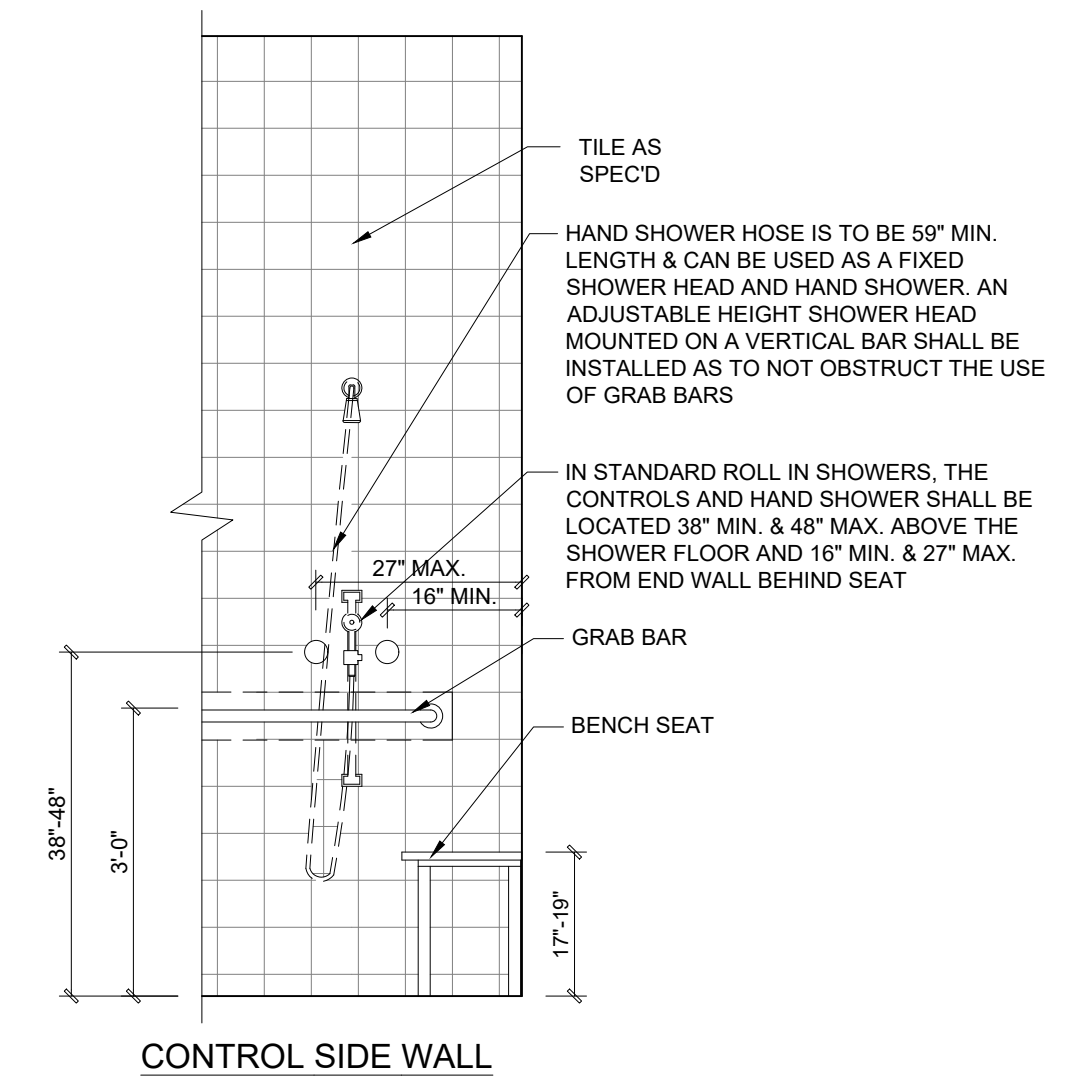
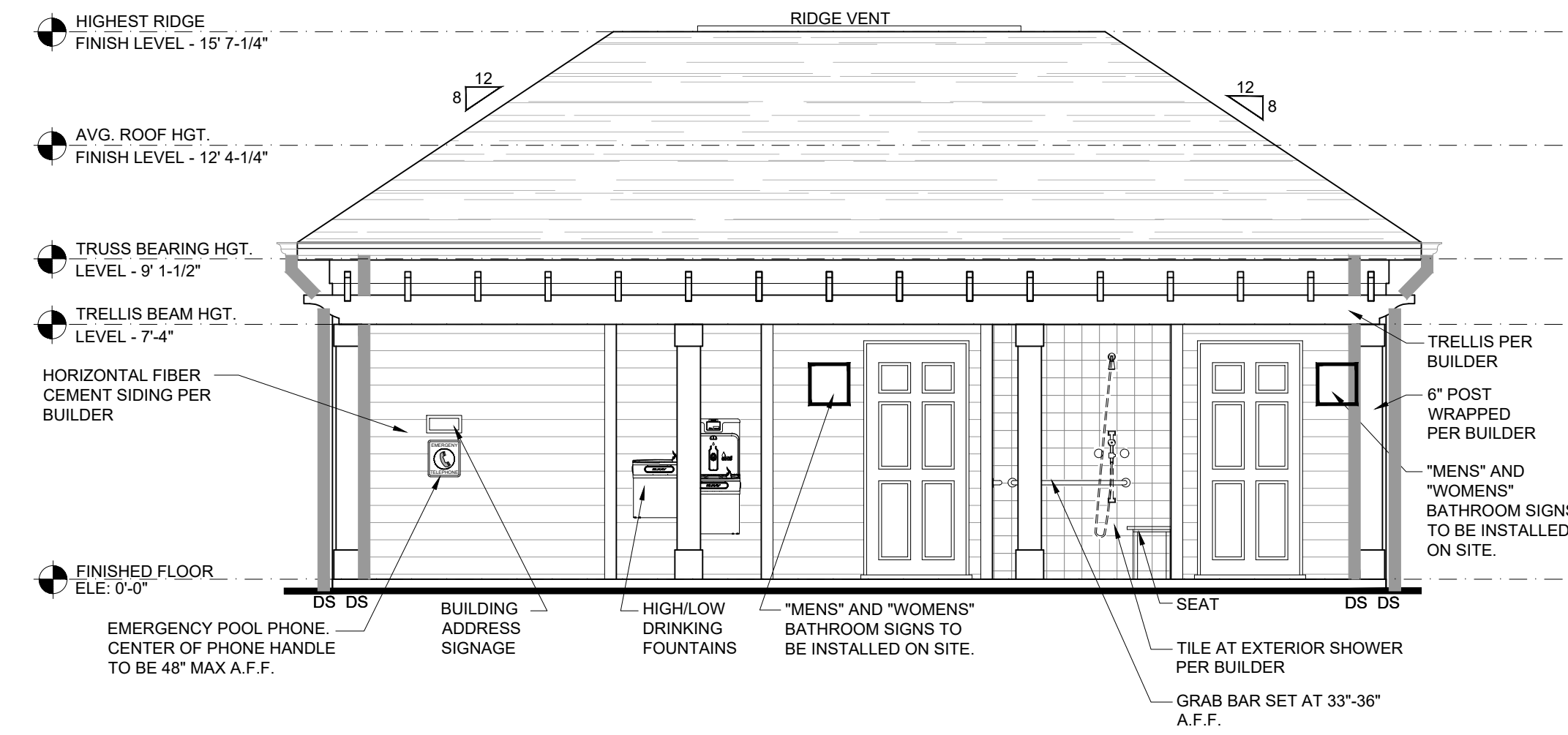


4 POOL HOUSE - DOOR ELEVATIONS
SCALE: NOT TO SCALE

DOOR NUMBER	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	CONSTRUCTION	REMARKS	INSTRUCTIONS
1	3'-0"	6'-8"	1 1/2"	D1	INSUL. MET. & PANEL		PROVIDE CLOSER AND PUSH/PULL PLATES
2	3'-0"	6'-8"	1 1/2"	D3	METAL STALL DOOR		DOOR HEIGHT PER MANF. SPECS.
3	2'-4"	6'-8"	1 1/2"	D3	HOLLOW METAL		DOOR HEIGHT PER MANF. SPECS.
4	3'-6"	6'-8"	1 1/2"	D1	INSUL. MET. & PANEL		
5	2'-2-6"	6'-8"	1 1/2"	D2	INSUL. MET. & PANEL		
6	2'-4"	6'-8"	1 1/2"	D1	INSUL. MET. & PANEL		PROVIDE STOREFRONT LOCKSET

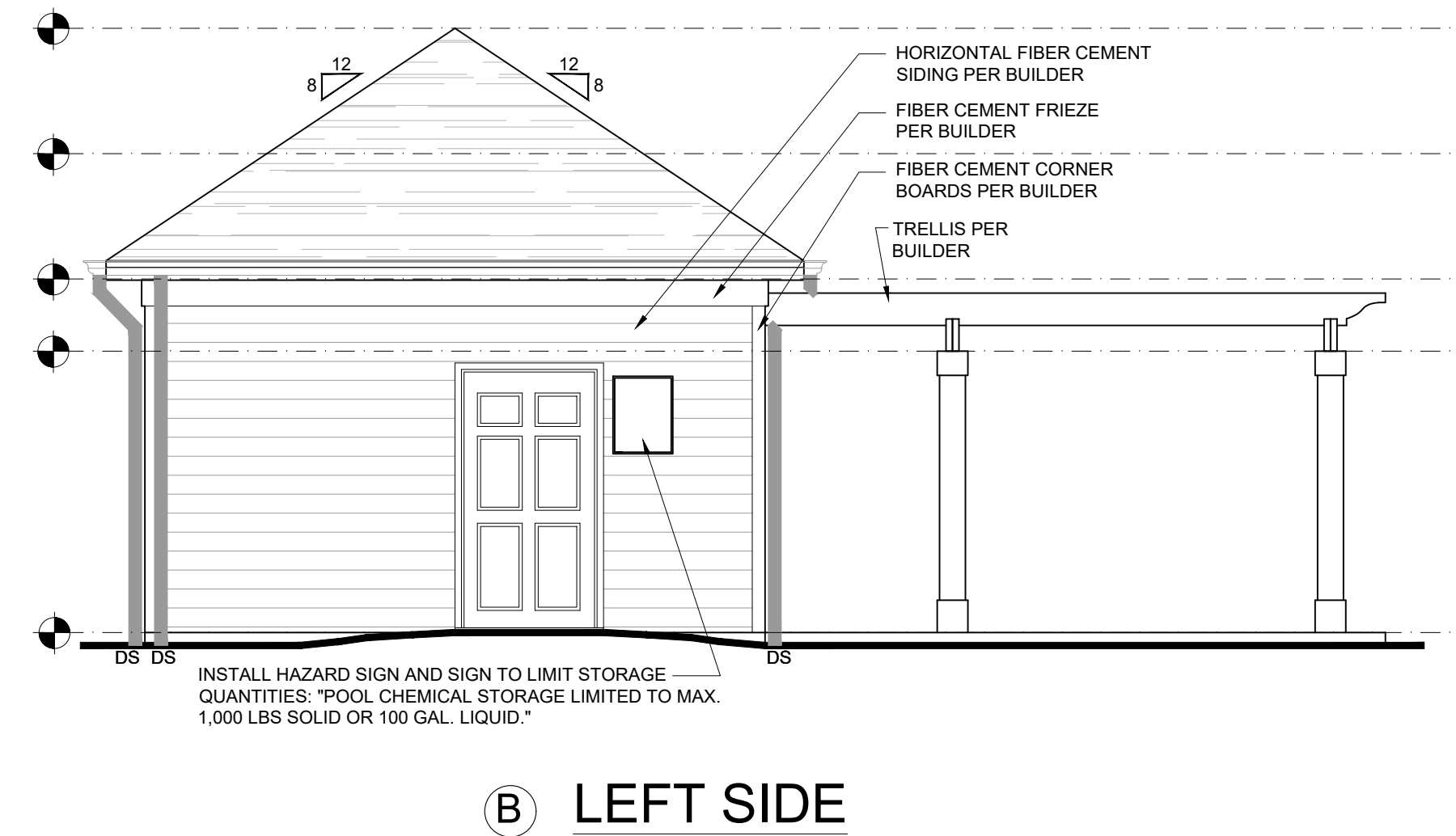
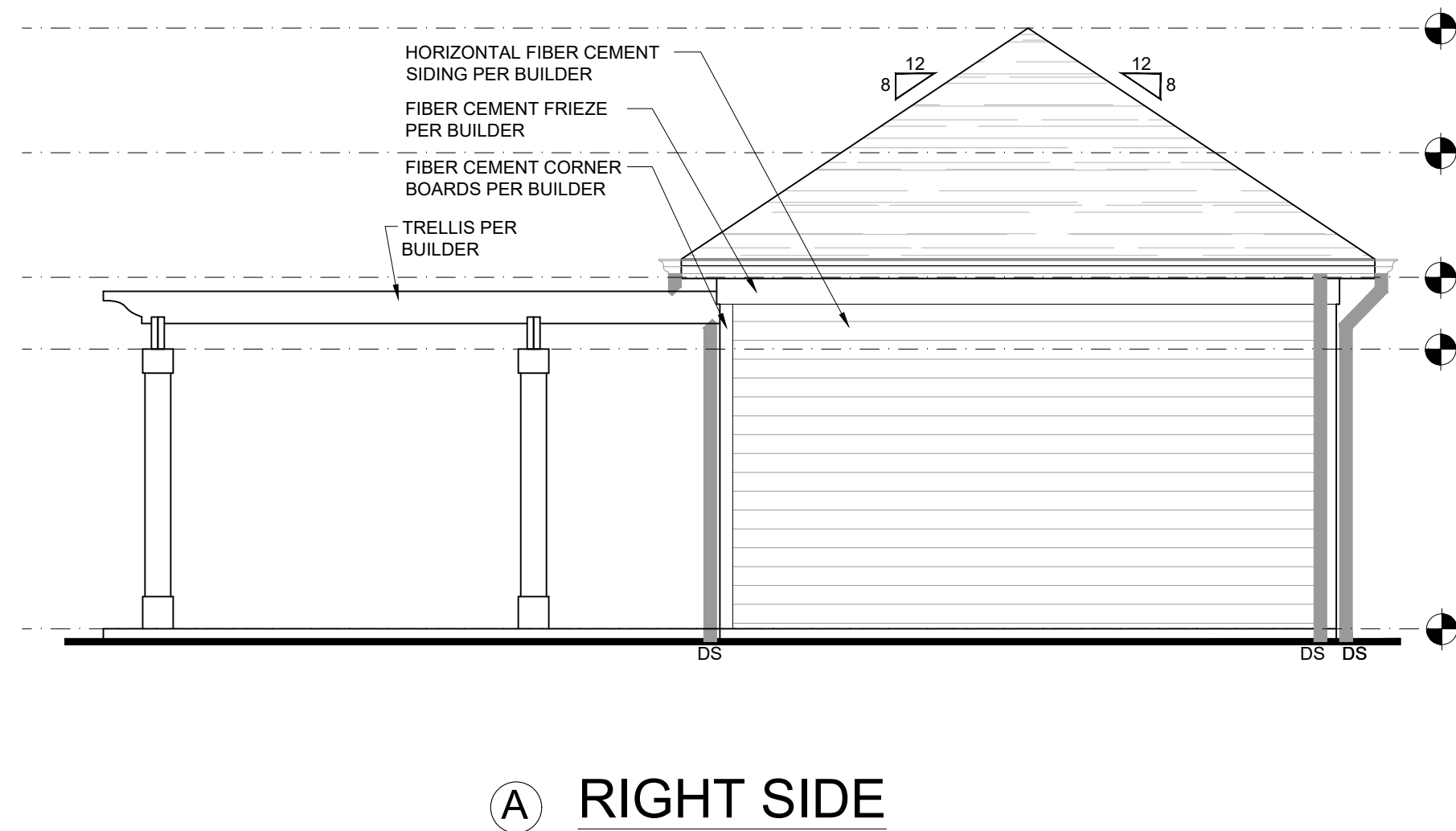
3 POOL HOUSE - DOOR SCHEDULE
SCALE: NOT TO SCALE

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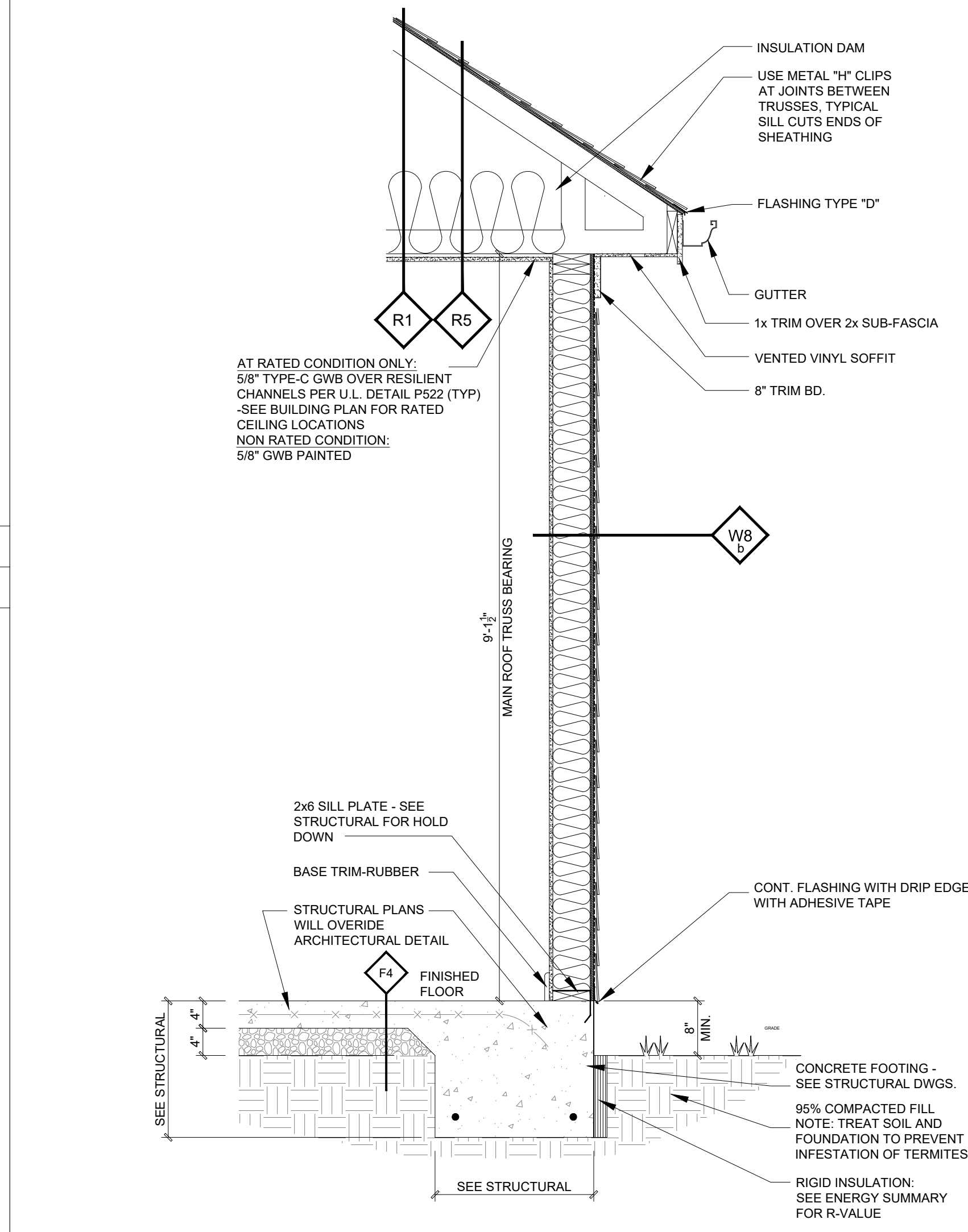


3 POOL HOUSE - FRONT ELEVATIONS
SCALE: 1/4" = 1'-0"

5 POOL HOUSE - SHOWER ELEVATION
SCALE: 1/2" = 1'-0"

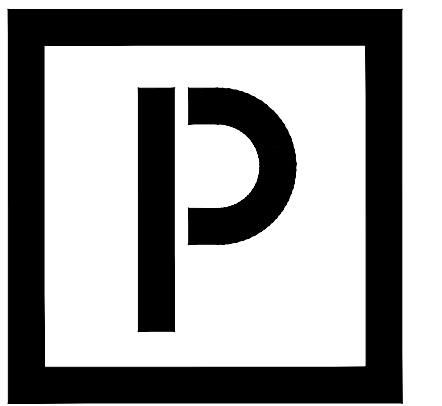


2 POOL HOUSE - SIDE ELEVATIONS
SCALE: 1/4" = 1'-0"



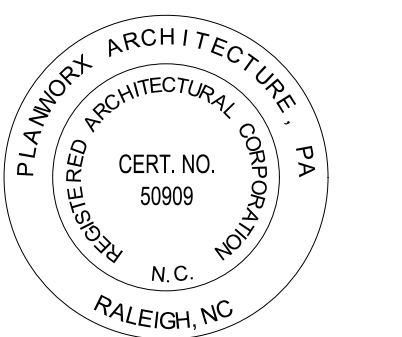
1 POOL HOUSE - REAR ELEVATION
SCALE: 1/4" = 1'-0"

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



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Cape Overlook Pool House
Triangle Land Partners
Lillington, NC
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10-25-2024

PROGRESS DATE:	ISSUE DATE:	REVISIONS:	INITIALS	DESCRIPTION
10-25-2024	10-25-2024			

PROJECT NO: 002824

DRAWN BY: BB

CHECKED BY: DS

SHEET TITLE:

Pool House Elevations & Wall Sections

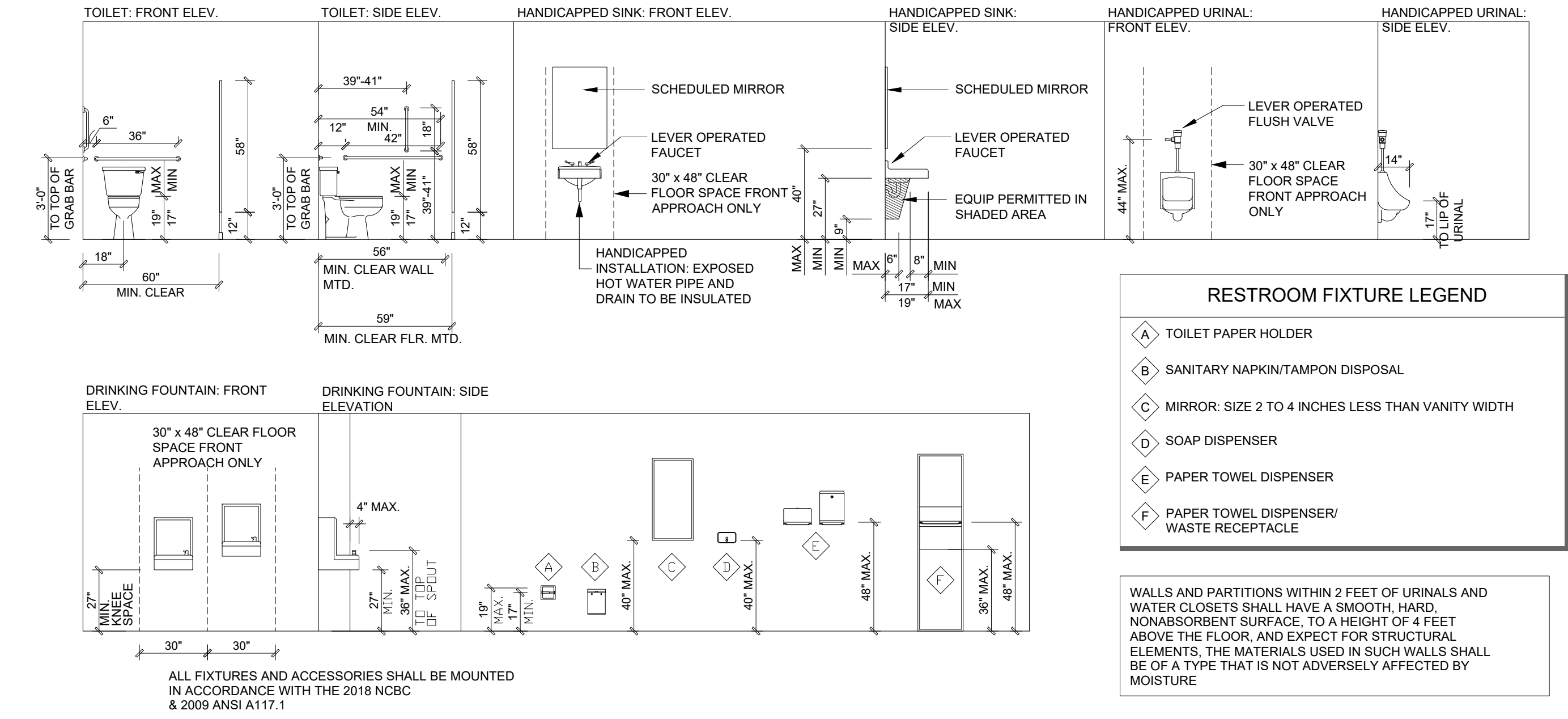
SHEET NUMBER:

A200

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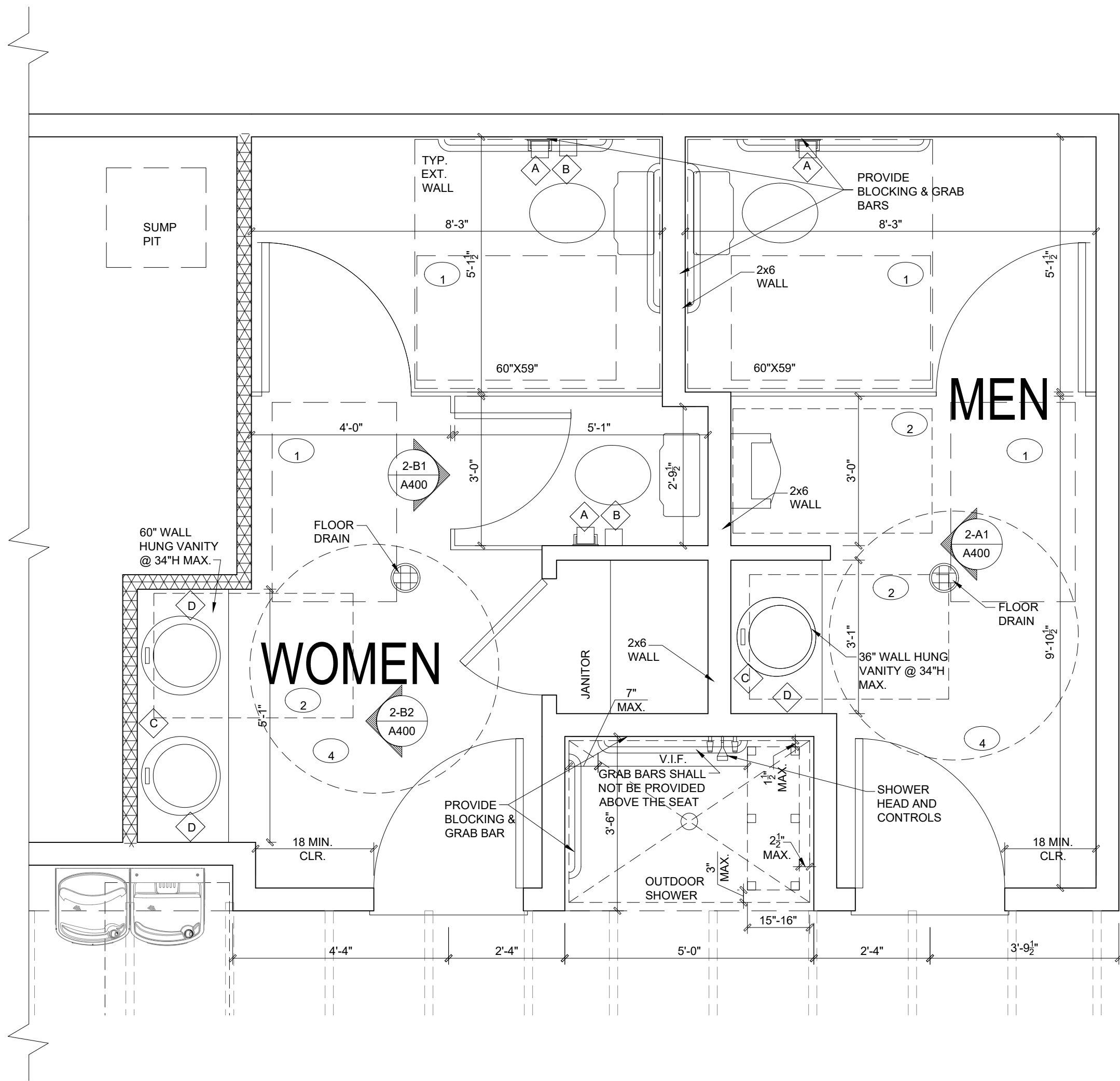
FLOOR CLEARANCES	
1	CLEAR FLOOR SPACE 30" X 48"
2	LAVATORY CLEAR FLOOR SPACE 30" X 48"
3	WATER CLOSET CLEAR FLOOR SPACE 60" X 59"
4	60° TURNING RADIUS

RESTROOM FIXTURE LEGEND	
A	TOILET PAPER HOLDER
B	SANITARY NAPKIN/TAMPON DISPOSAL
C	MIRROR: SIZE 2 TO 4 INCHES LESS THAN VANITY WIDTH
D	SOAP DISPENSER
E	PAPER TOWEL DISPENSER
F	PAPER TOWEL DISPENSER/WASTE RECEPTACLE



3 POOL HOUSE - FIXTURES & ACCESSORY ELEVATIONS

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

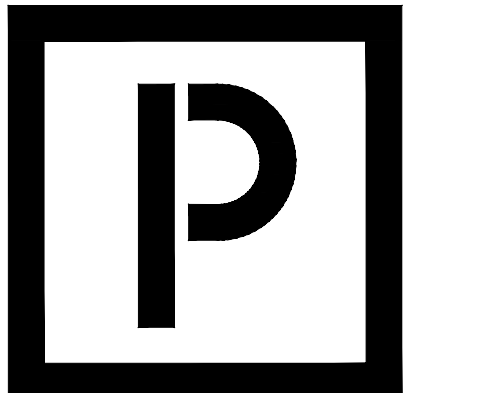
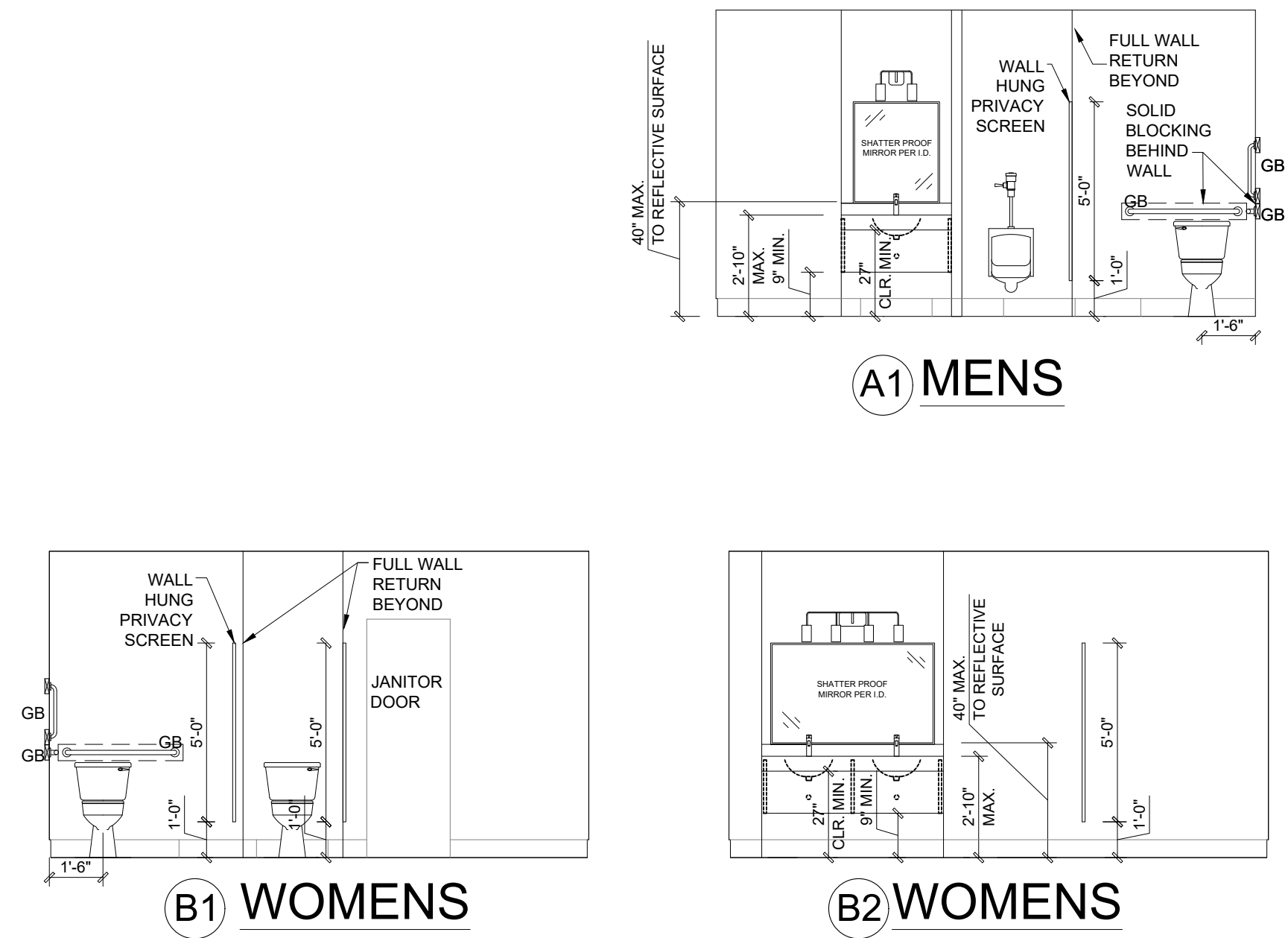


1 POOL HOUSE - ENLARGED BATH & SHOWER PLANS

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

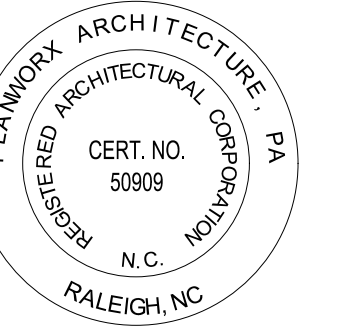
2 POOL HOUSE - BATH ELEVATIONS

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



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PROJECT NO: 002824

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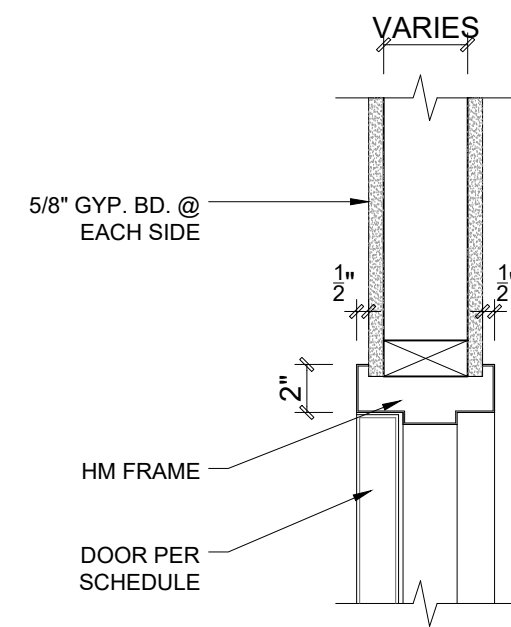
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SHEET TITLE:
Pool House Enlarged Plans & Interior Elevations

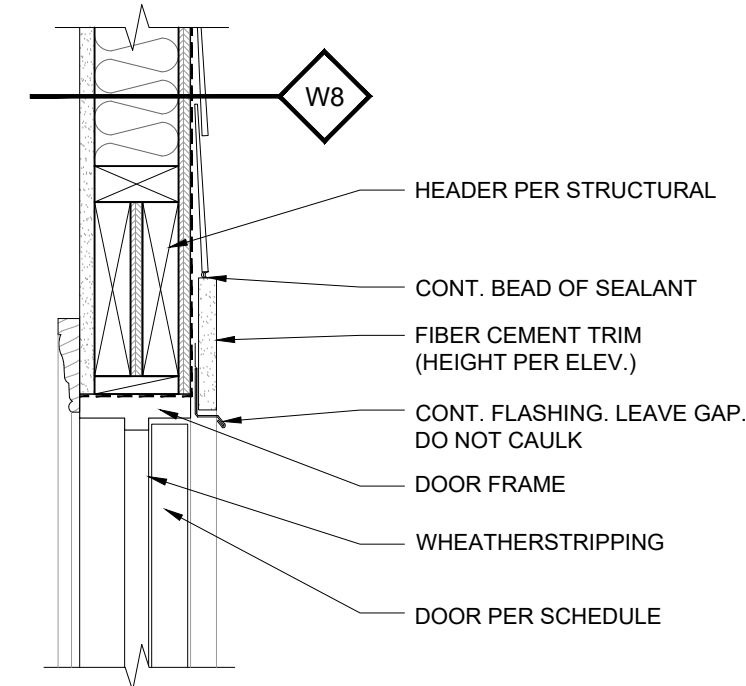
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A400

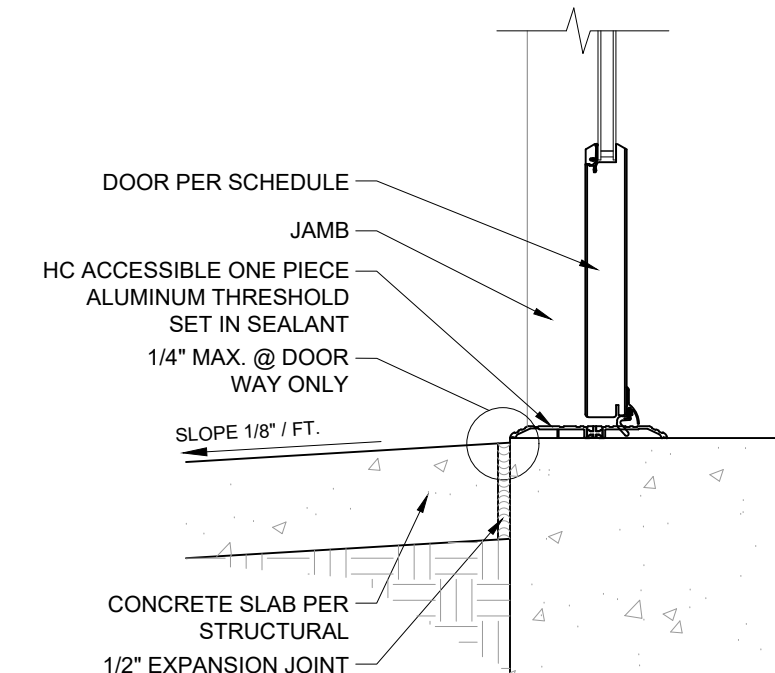
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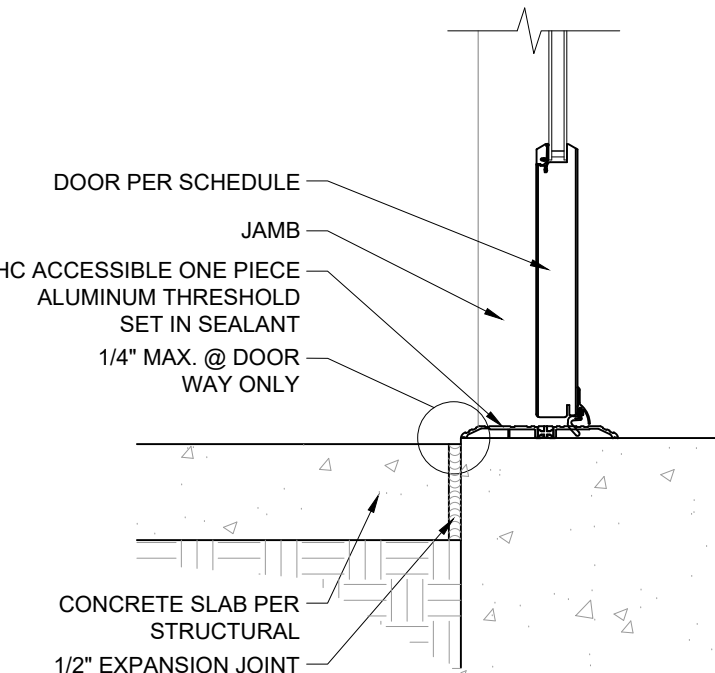
1 INTERIOR HM DOOR HEADER
SCALE: 1-1/2" = 1'-0"



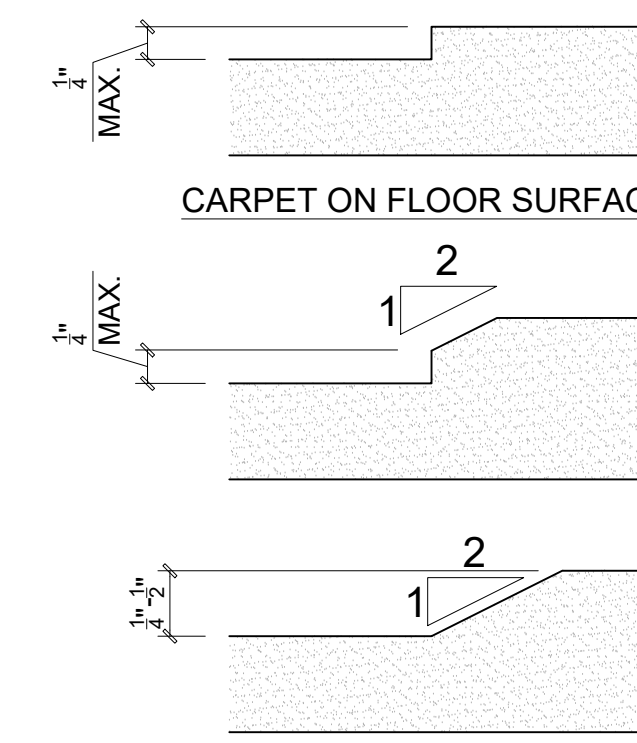
3 EXTERIOR DOOR HEADER
SCALE: 1-1/2" = 1'-0"



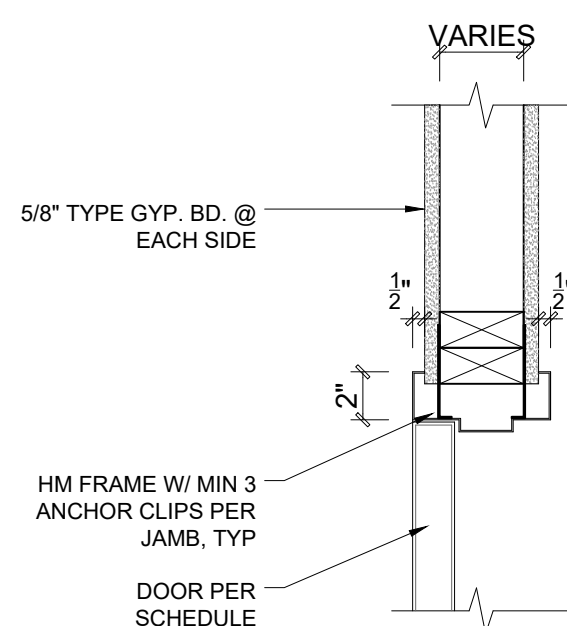
5 EXTERIOR DOOR SILL
SCALE: 1-1/2" = 1'-0"



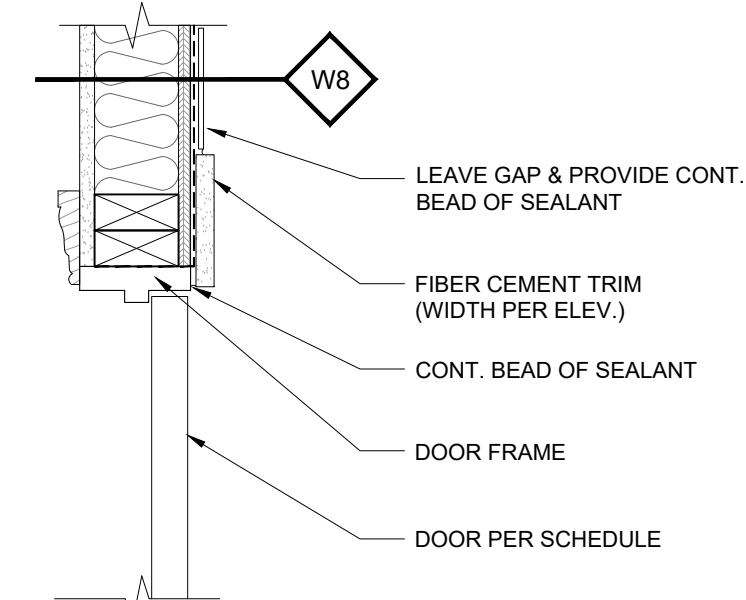
AT GROUND UNIT ENTRY DOOR



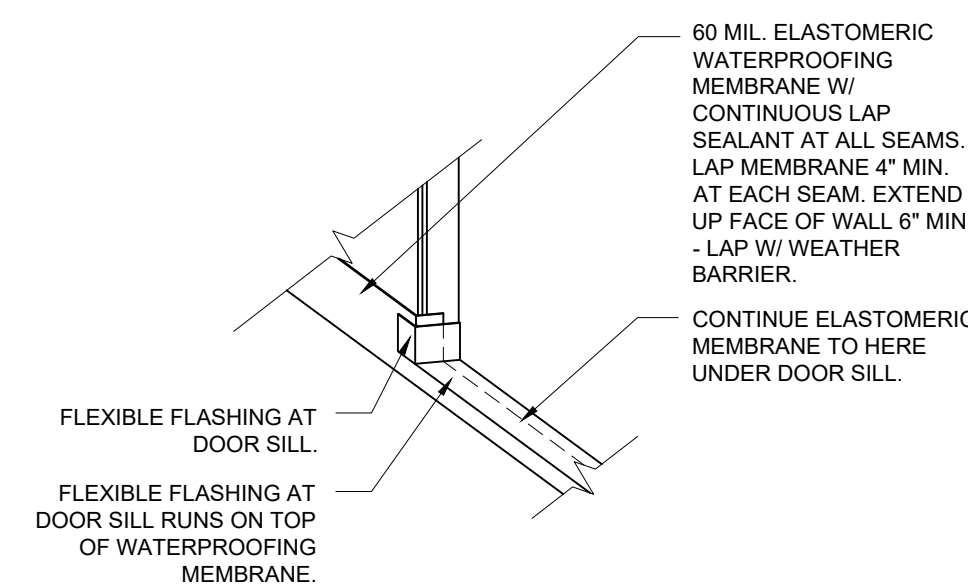
BEVELED CHANGES IN LEVEL



2 INTERIOR HM DOOR JAMB
SCALE: 1-1/2" = 1'-0"



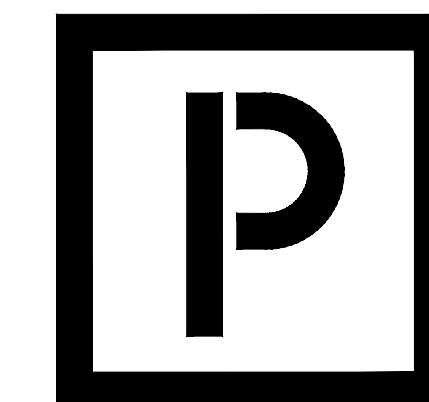
4 EXTERIOR DOOR JAMB
SCALE: 1-1/2" = 1'-0"



6 EXT. DOOR SILL FLASHING
SCALE: 1-1/2" = 1'-0"

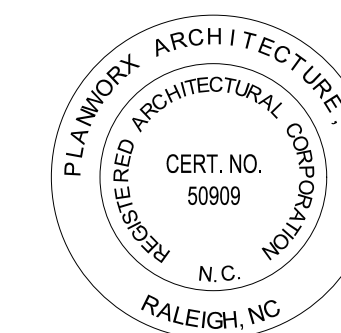
FLASHING REQUIRED AT THE FOLLOWING LOCATIONS (AT MIN)

- VALLEY FLASH MIN. 12" UP EACH SLOPE, AND INSTALL SPLASH DIVERTER RIB.
- STEP FLASH AT ROOFWALL INTERSECTIONS, MIN. 8" VERTICALLY.
- COLLAR OR STEP FLASH AT ALL ROOF PENETRATIONS.
- UNDER BRICK INSTALLED ON TOP OF ROOF SURFACE.
- UNDER EXTERIOR FINISH MATERIAL AT ADJOINING DECK SURFACE.
- ALL WINDOW / DOOR HEADS & JAMBS.
- ALL WINDOW SILLS AND DOOR THRESHOLDS
- MASONRY / FRAME WALL INTERSECTIONS
- OTHER AREAS AS PER PROPER CONSTRUCTION PRACTICE



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Cape Overlook Pool House

Triangle Land Partners

Lillington, NC

Issued for Permit (10-25-24)



10-25-2024

PROGRESS DATE:	10-25-2024
ISSUE DATE:	
REVISIONS:	
NUMBER	DATE
INITIALS	DESCRIPTION

PROJECT NO: 002824

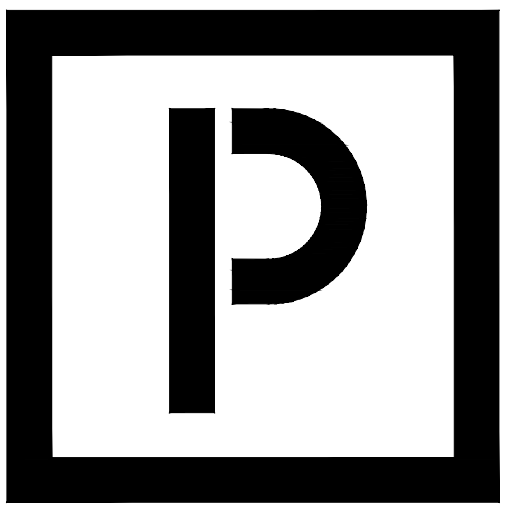
DRAWN BY: BB

CHECKED BY: DS

SHEET TITLE:
Enlarged Door & Window Details

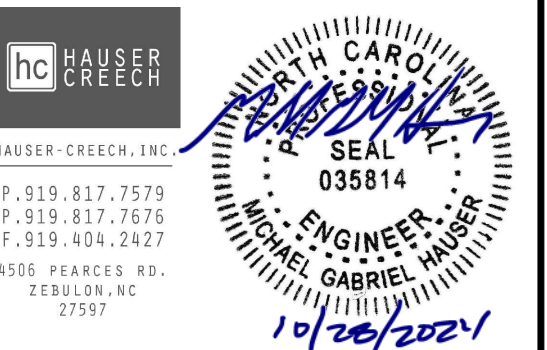
SHEET NUMBER:
A600

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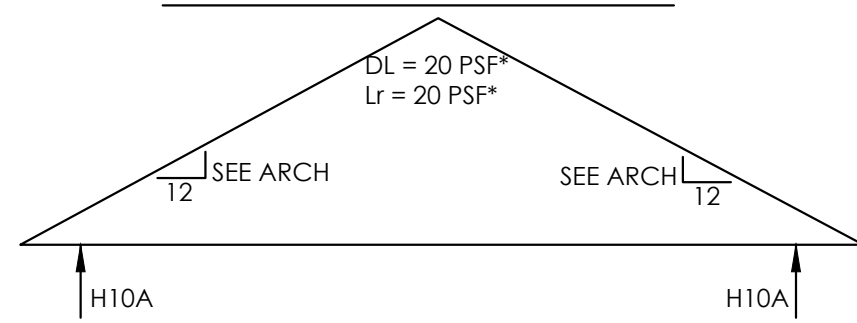


ROOF FRAMING NOTES:

- ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION.
- TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS, LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS. ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
- THE CONTRACTOR MUST VERIFY THAT ALL LATERAL BRACING REQUIRED FOR TRUSS WEBS IS INSTALLED PER THE TRUSS SHOP DRAWINGS.
- REFER TO FOUNDATION PLAN FOR DIMENSIONS AND TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
- ALL TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS DESIGNER AND SHALL BE CLEARLY INDICATED ON THE TRUSS SHOP DRAWINGS.
- ROOF SHEATHING SHALL BE 7/16" OSB APA RATED, EXPOSURE 1 WITH "H" CLIPS AT UNSUPPORTED EDGES BETWEEN TRUSSES. SEE DETAIL 2/S301 FOR ROOF DECK NAILING PATTERN.
- VERIFY LOCATION AND AMOUNTS OF ALL HEADERS.
- SEE DETAIL 6/S301 FOR TOP PLATE SPLICE DETAIL.
- SEE DETAILS 3/S301 AND 4/S301 FOR PERMANENT ROOF TRUSS BRACING. REFER TO TRUSS SHOP DRAWINGS FOR TRUSS BRACING REQUIREMENTS. SUBMIT ROOF TRUSS SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- VERIFY MIN. (2) 2X STUDS BELOW ALL GIRDER TRUSS BEARING POINTS PROVIDE LGT TIE DOWN (U.N.O.).
- ANY TRUSS TIE DOWN SUBSTITUTIONS MUST BE APPROVED BY THE EOR.

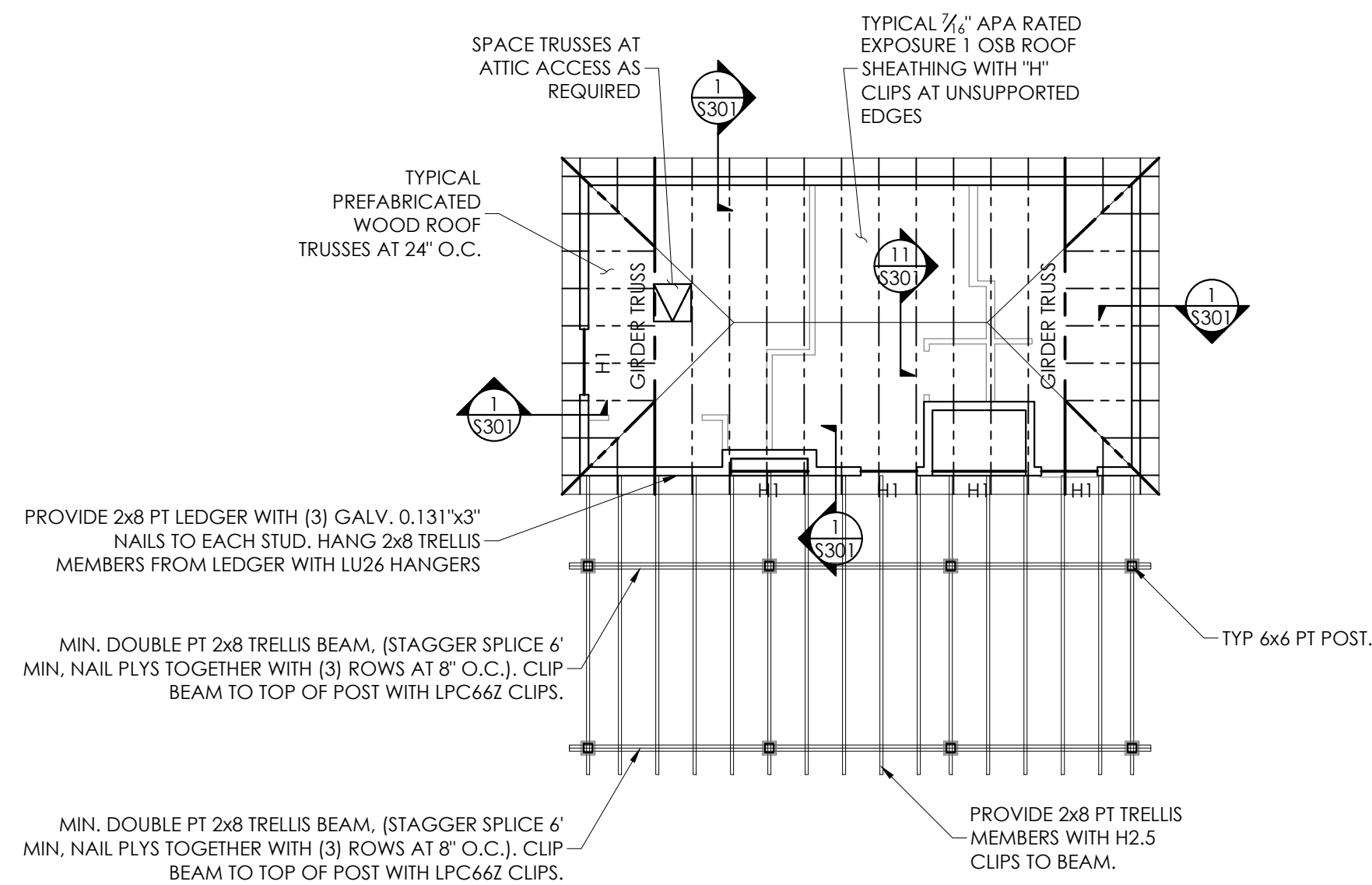
HEADER SCHEDULE			
TYPE	SIZE	NOTES	SUPPORT
H1	(3) 2x8 DROPPED	W/ (2) 1/2" PLYWOOD SPACER.	(1) JACK + (1) KING
INTERIOR NON-BEARING HEADERS ARE NOT LABELED ON THE FRAMING PLANS. FOR OPENINGS IN INTERIOR NON-BEARING WALLS PROVIDE THE FOLLOWING HEADERS:			
SPAN	SIZE	NOTES	
3'-2" MAX	2x4 FLAT	FACE NAIL TO FULL HT. JAMB STUD W/ (2) 1x4s	
4'-2" MAX	(2) 2x4	W/ (1) 1/2" PLYWOOD SPACER, (1) JACK + (1) KING	
8'-2" MAX	(2) 2x8	W/ (1) 1/2" PLYWOOD SPACER, (1) JACK + (1) KING	

ROOF TRUSS PROFILES



TYP. ROOF TRUSS

* ALL TRUSS PROFILES ARE NOT SHOWN.
 * SEE S501 FOR TRUSS DESIGN CRITERIA
 * SEE DETAILS FOR TIE DOWNS
 * REFER TO STRUCTURAL DETAILS FOR TRUSS TIE DOWN REQUIREMENTS AND ADDITIONAL CONNECTION INFO.



POOL HOUSE ROOF FRAMING

SCALE: 1/8"=1'-0"

ABBREVIATIONS:

COL.	COLUMN
EX.	EXISTING
S.O.G.	SLAB ON GRADE
T.O.S.	TOP OF STEEL
T.O.P.	TOP OF PARAPET
T.O.M.	TOP OF MASONRY
O.C.	ON CENTERS SPACING
T+T	TOP AND BOTTOM
F.F.E.	FINISH FLOOR ELEVATION
TYP.	TYPICAL
DEMO.	DEMOLITION
CONT.	CONTINUOUS
CMU	CONCRETE MASONRY UNIT
STD.	STANDARD
XS.	EXTRA STRONG
XXS.	DOUBLE EXTRA STRING
GALV.	GALVANIZED
HD	HOLD-DOWN
WWF	WIRE WELDED FABRIC
RT	ROOF TRUSS
GT	GIRDER TRUSS
FLRT	FLOOR TRUSS

FOUNDATION NOTES:

- PROVIDE 4" THICK CONCRETE SLAB ON GRADE REINFORCED WITH WWF 6x6 W1.4-W1.4, OVER MINIMUM 6 MIL POLY VAPOR BARRIER. SLAB MAY BE PLACED DIRECTLY OVER COMPACTED SUBGRADE OR OVER 4" POROUS BASE. REFER TO GEOTECHNICAL REPORT RECOMMENDATIONS. IT IS STRUCTURALLY ACCEPTABLE TO USE FIBER MESH AT A DOSING RATE OF 1.5 LBS/CUY IN LIEU OF WELDED WIRE FABRIC.
- ALL DIMENSIONS REFERENCED TO EDGE OF SLAB. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
- REFER TO ARCH. DWGS. FOR LOCATIONS OF RECESSED OR SLOPED SLAB AREAS. PROVIDE POSITIVE DRAINAGE.
- SEE DETAIL 4/S201 FOR SLAB CONTROL JOINTS (C.J.). ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
- REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
- SEE FOOTING SCHEDULE/SECTIONS FOR SIZES AND REINFORCING.
- PROVIDE (1) 5'-0" LONG #5 BARS AT RE-ENTRANT CORNERS. PLACE AT MID-DEPTH OF SLAB.
- SEE STUD SCHEDULE FOR MEMBER SIZES
- "HD" INDICATED LOCATIONS OF HOLD-DOWNS. REFER TO HOLD DOWN SCHEDULE FOR MORE INFORMATION. HOLD-DOWNS HAVE BEEN DESIGNED TO RESIST OVERTURNING MOMENTS FROM SEISMIC AND WIND LOADS. ANY SUBSTITUTIONS MUST BE APPROVED BY THE EOR.
- FOUNDATIONS ARE DESIGNED TO BEAR ON COMPETENT SOIL CAPABLE OF SUPPORTING 2000 PSF. SUBGRADE TO BE VERIFIED BY A GEOTECHNICAL ENGINEER.

STUD SCHEDULE

- PROVIDE 2x6 STUDS AT 16" O.C. AT EXTERIOR WALLS.
- PROVIDE MINIMUM 2x4 STUDS AT 16" O.C. AT INTERIOR WALLS, UNLESS ARCHITECTURAL PLANS INDICATE 2x6 STUDS.
- ALL STUDS AND PLATES ARE SYP No. 2

SHEAR WALL SCHEDULE

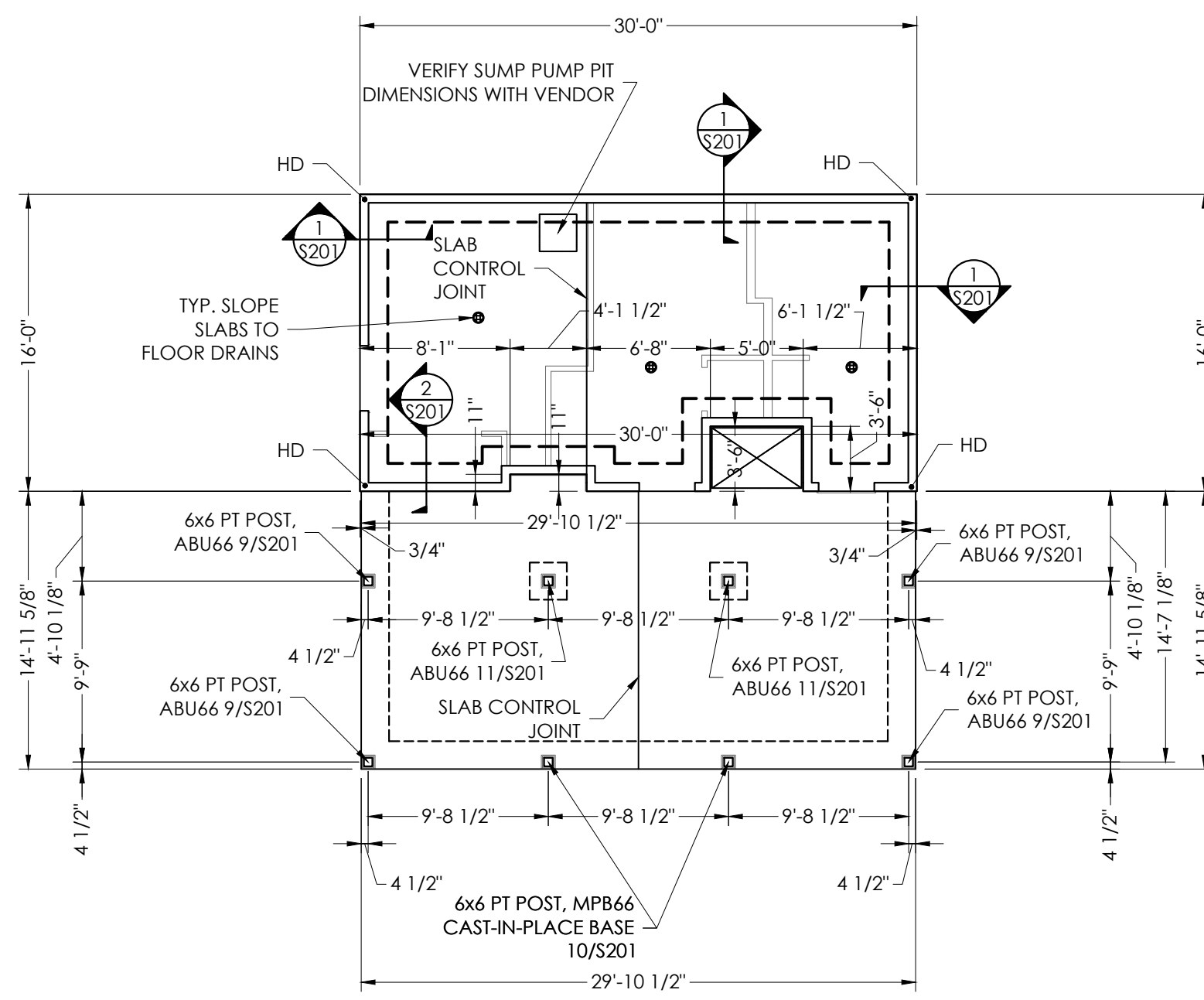
EXTERIOR WALLS

7/16" APA RATED OSB SHEATHING. **BLOCK ALL UNSUPPORTED EDGES WITH 2x4 BLOCKS.** PROVIDE MIN 8dS AT 4" O.C. AT ALL EDGES AND 12" O.C. AT FIELD

HOLD-DOWN SCHEDULE (HD)

LOCATION	TIE DOWN
FOUNDATION	(1) LIT20B TIE (2) STUDS TO FOUNDATION, DRILL AND EPOXY 5/8" THREADED ROD (5' EMBED)

1. HOLD-DOWNS INDICATED IN TABLE SHALL BE USED AT ALL "HD" LOCATIONS.



POOL HOUSE FOUNDATION PLAN

SCALE: 1/8"=1'-0"



PLAN NORTH

Cape Overlook Pool House

Triangle Land Partners

Lillington, North Carolina

PROGRESS DATE: 10.28.2024

PROJECT NO: 002824

DRAWN BY: RA

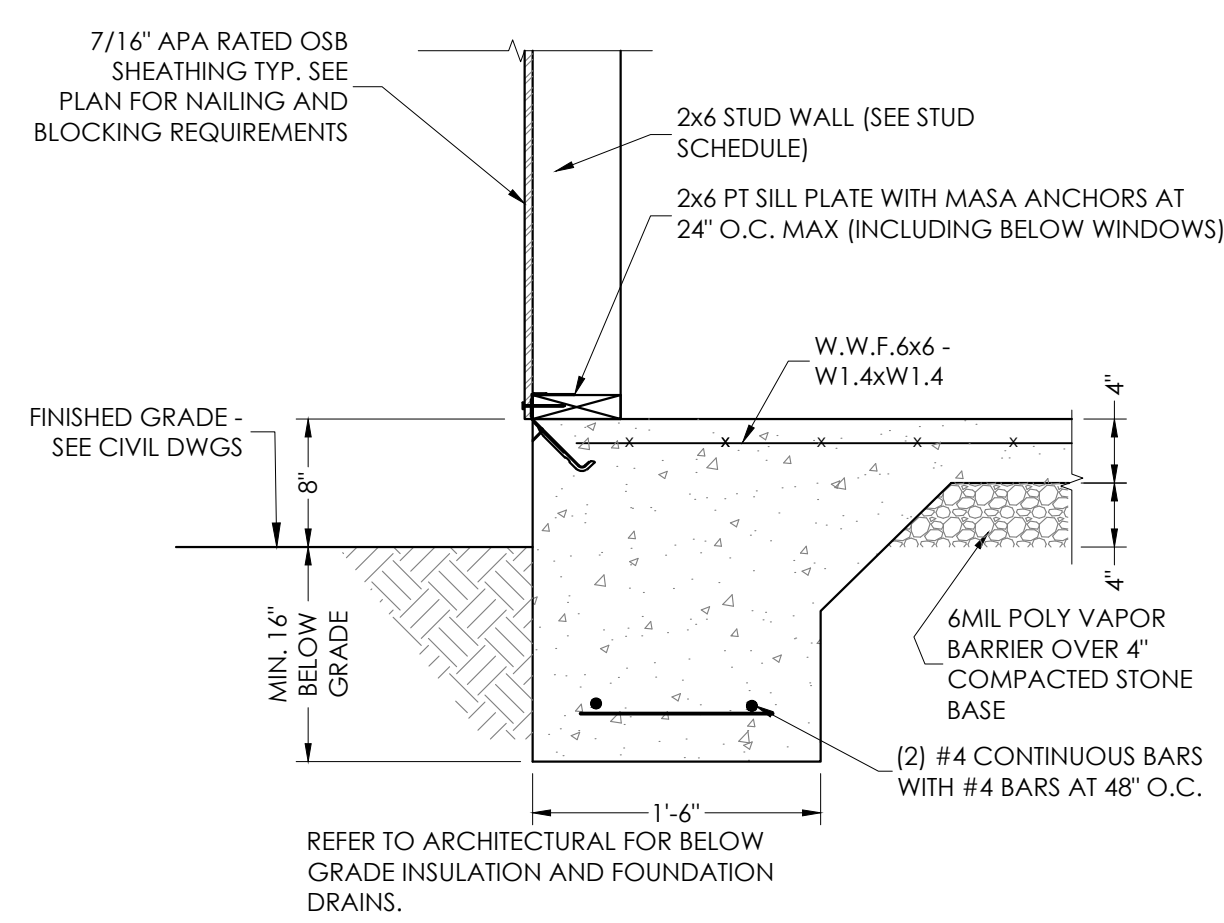
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SHEET TITLE: FOUNDATION AND FRAMING PLANS

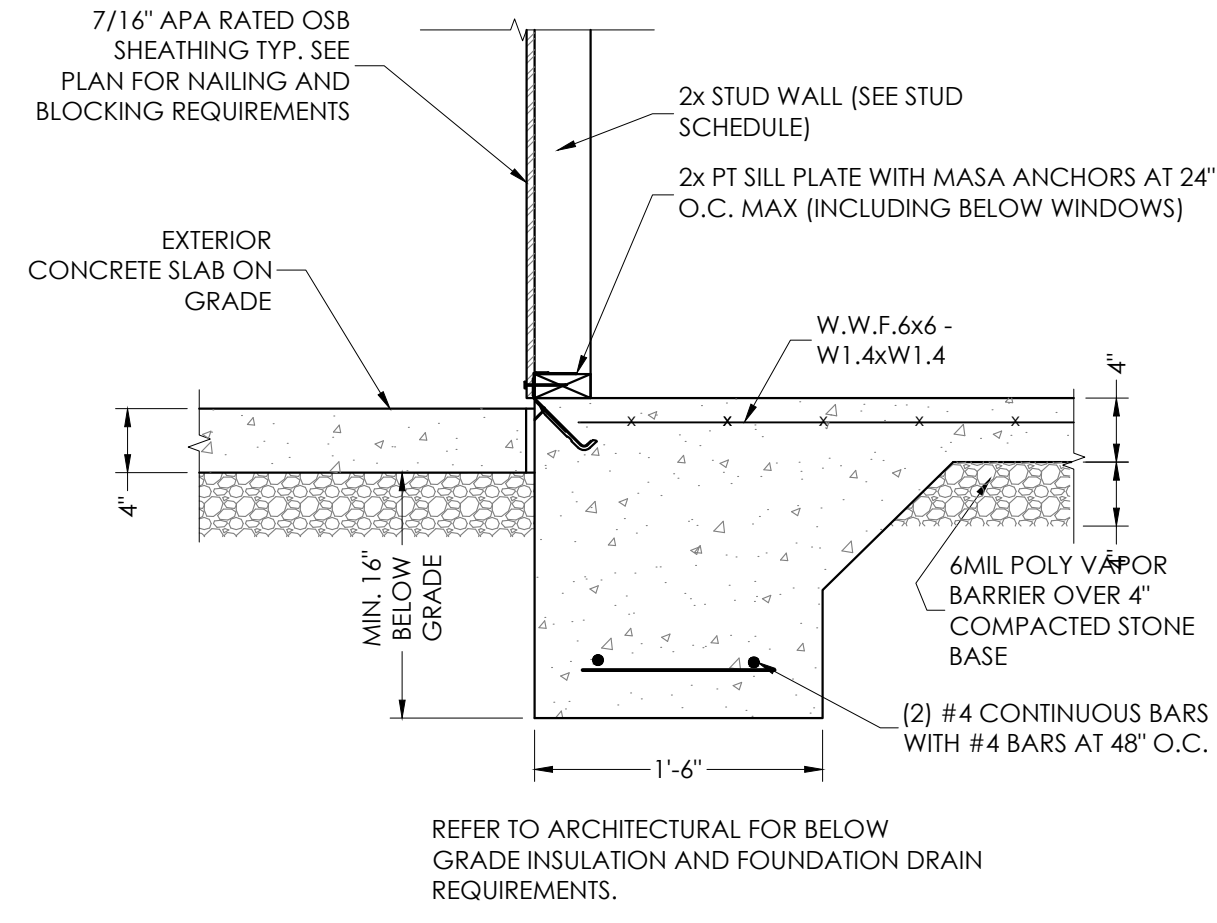
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S101

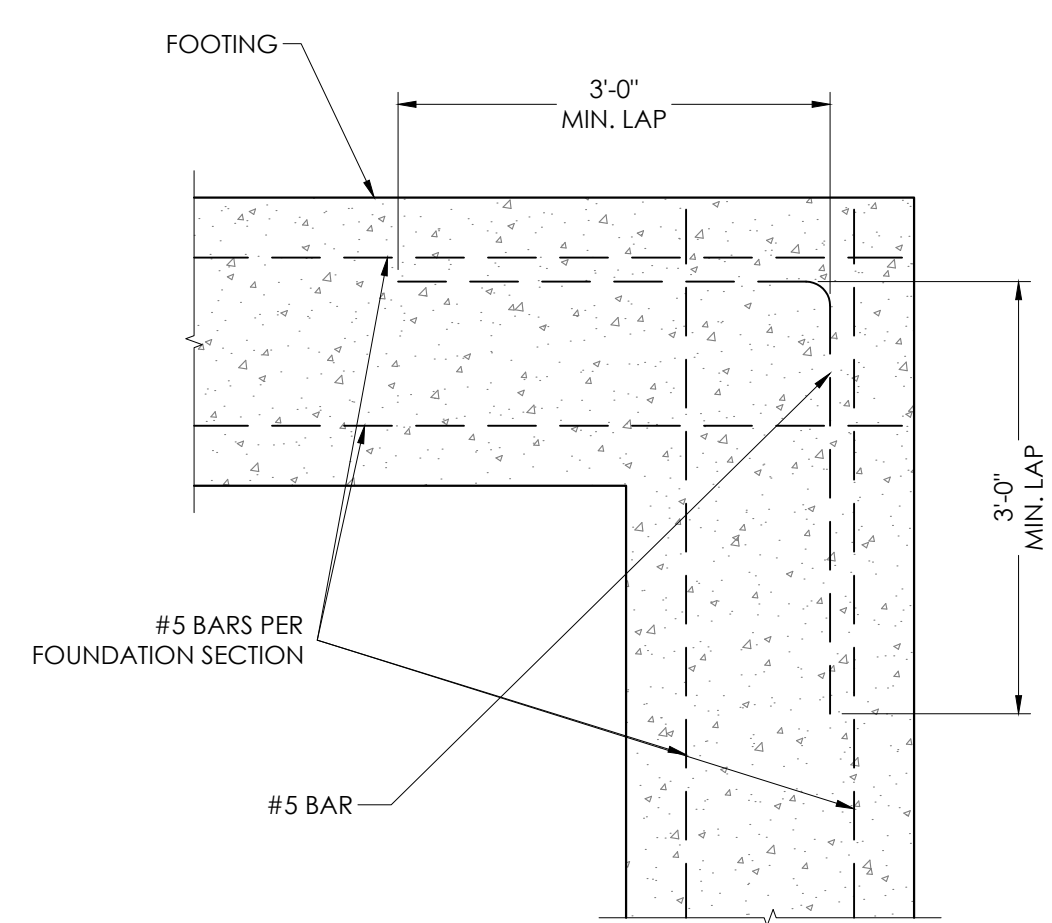
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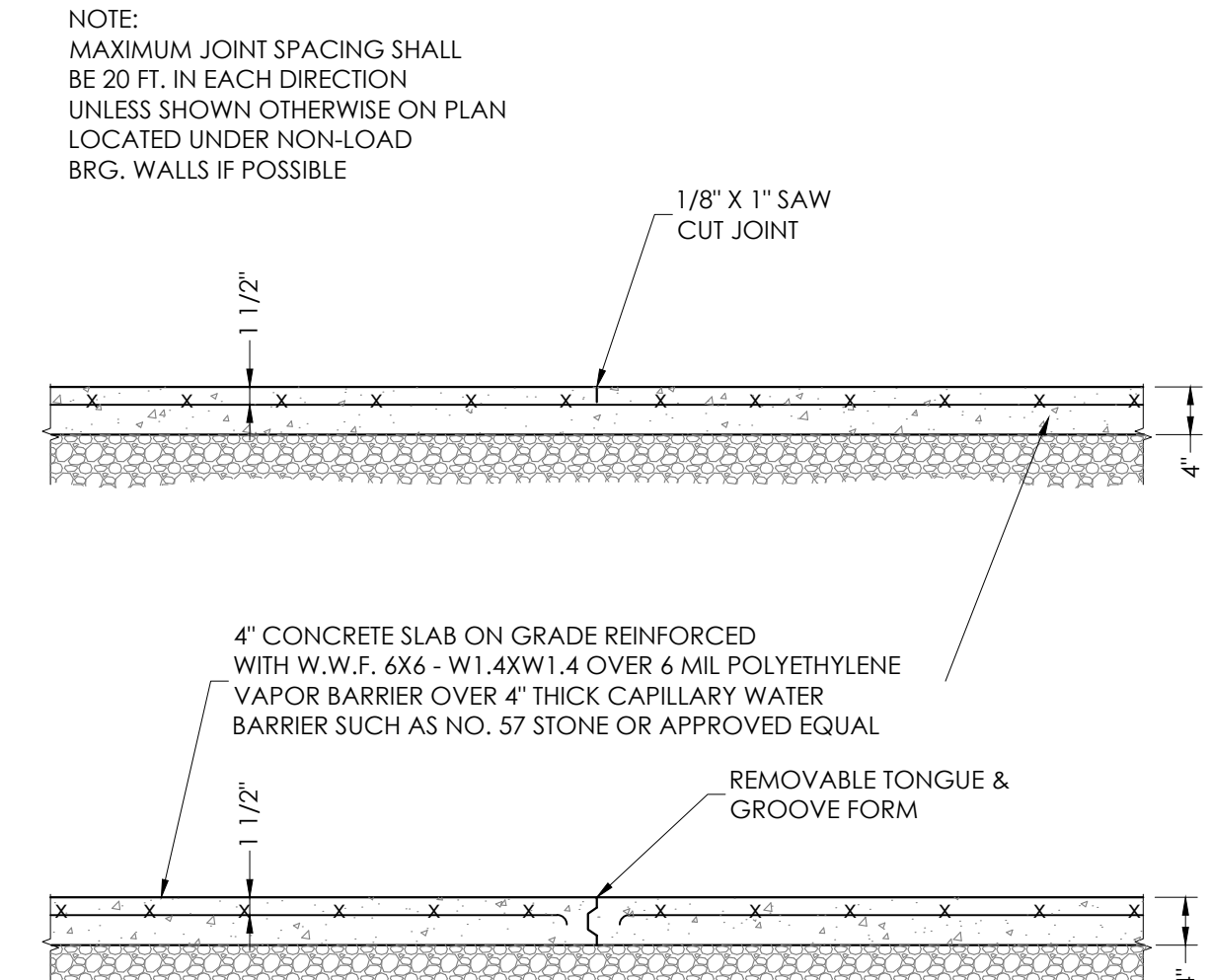
1 EXTERIOR WALL SECTION
SCALE: NONE



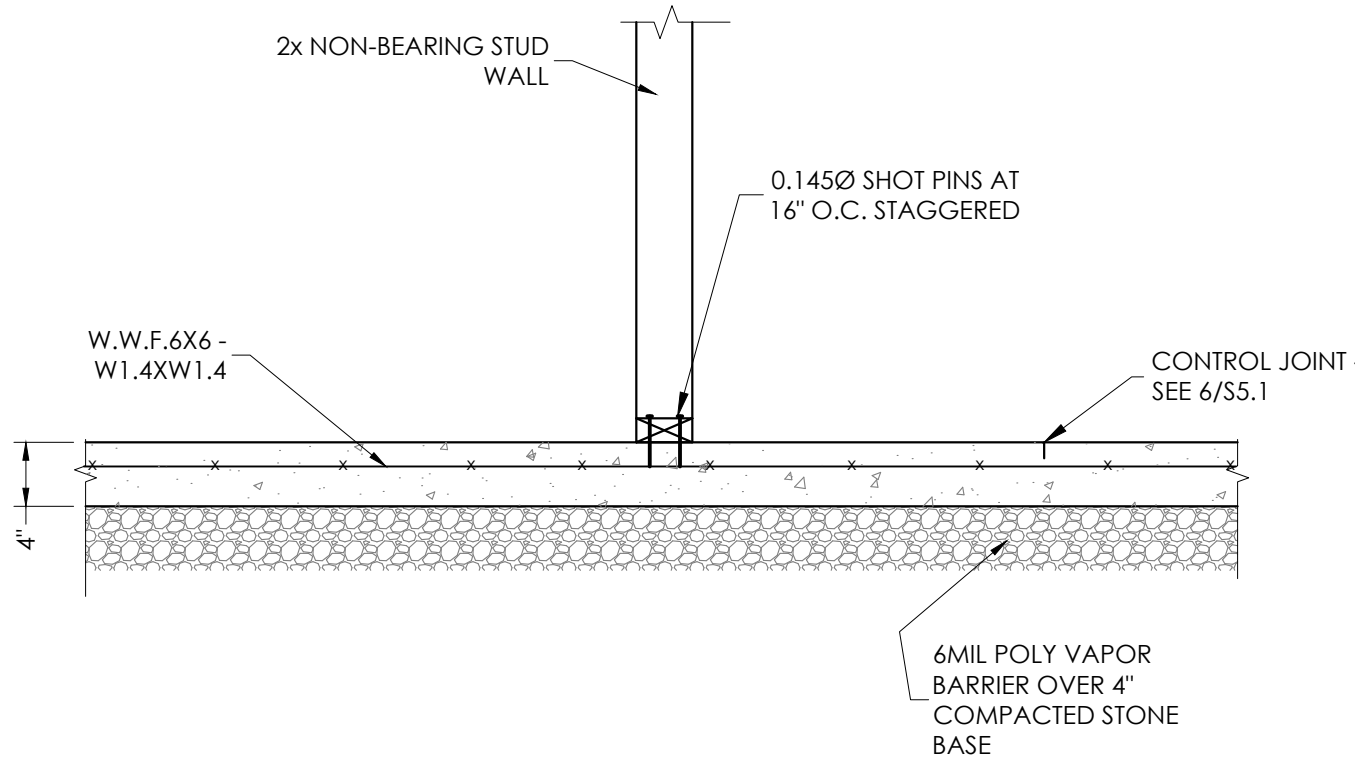
2 WALL SECTION AT EXTERIOR CONCRETE SLAB
SCALE: NONE



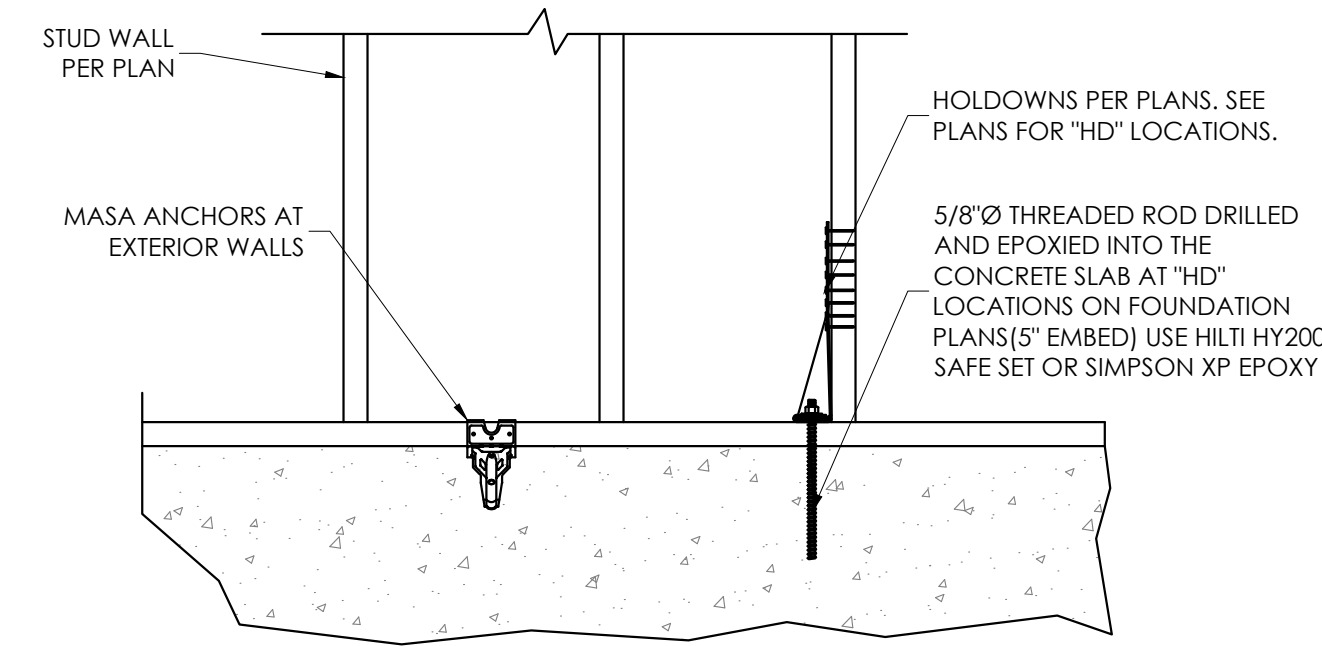
3 FOOTING REBAR AT CORNER CONDITION
SCALE: NONE



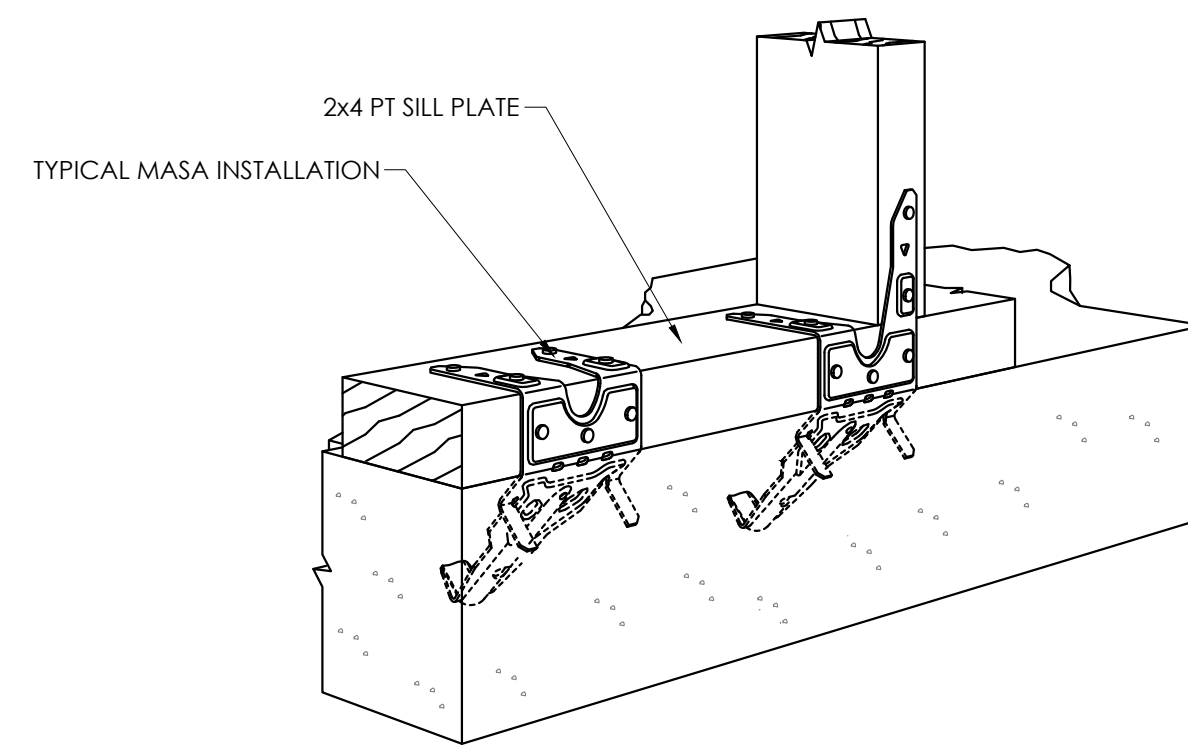
4 SLAB CONTROL JOINT
SCALE: NONE



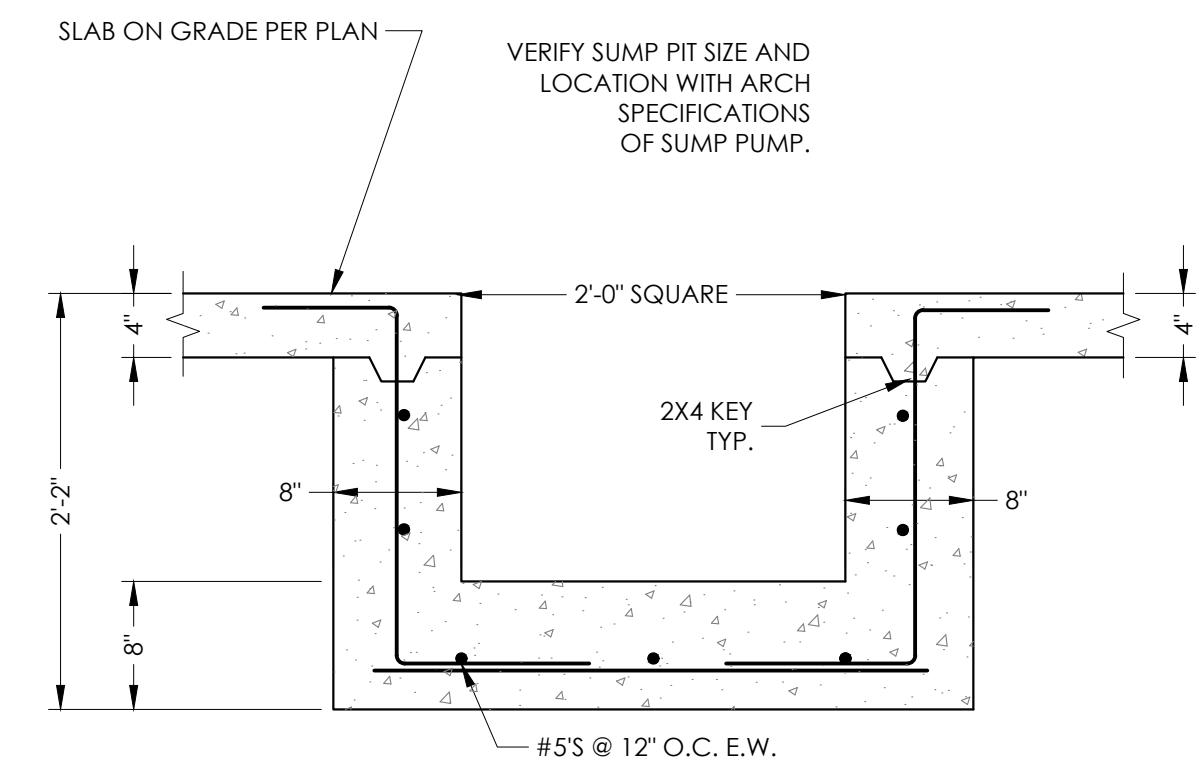
5 NON-BEARING WALL ATTACHMENT
SCALE: NONE



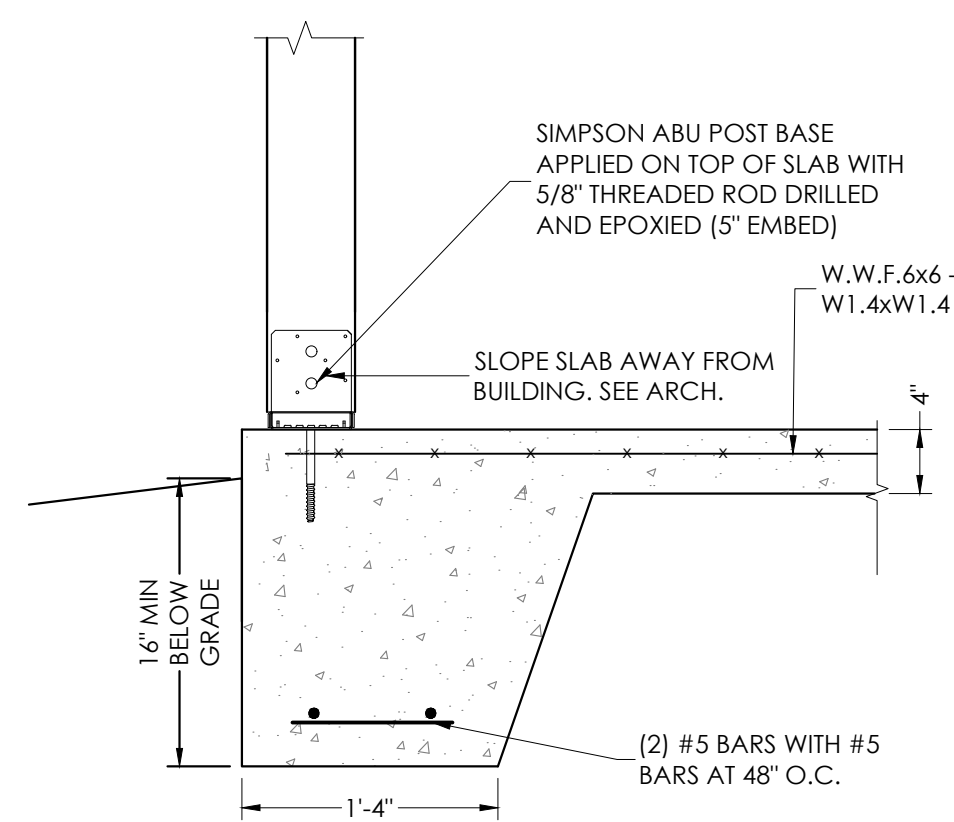
6 SILL PLATE ANCHORAGE
SCALE: NONE



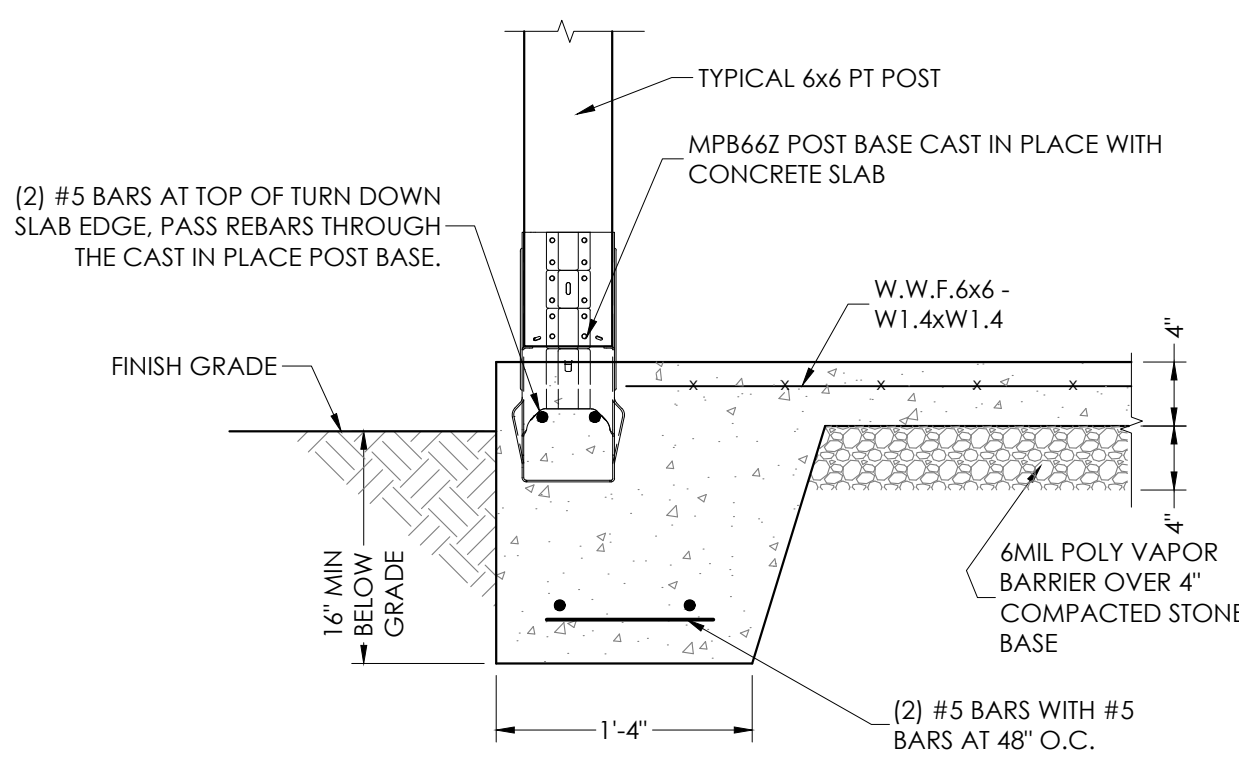
7 MASA SILL PLATE ANCHOR ISOMETRIC
SCALE: NONE



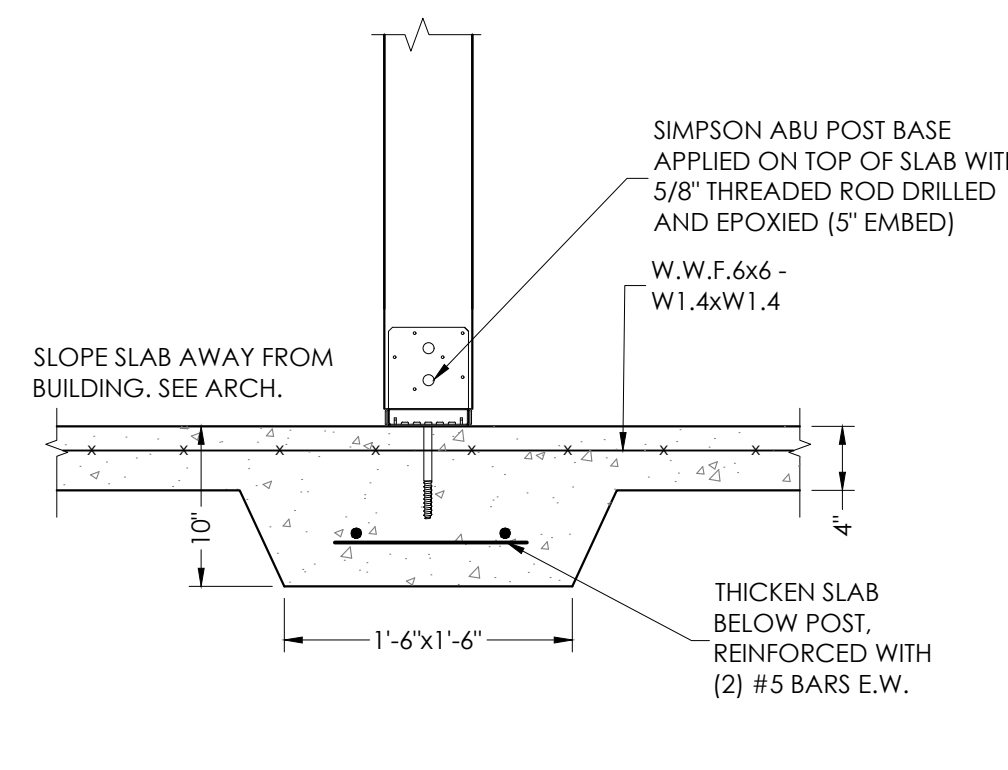
8 SUMP PUMP PIT
SCALE: NONE



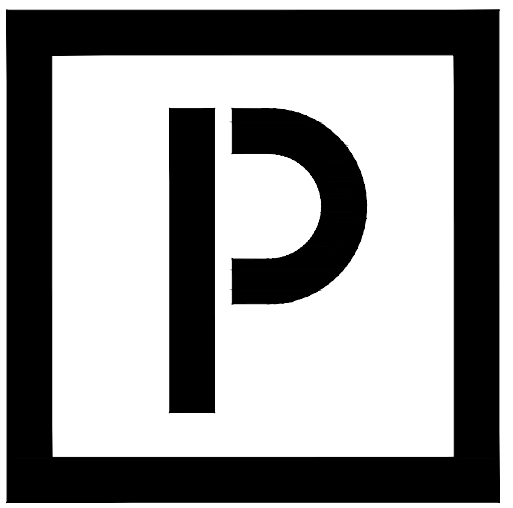
9 ABU66 POST BASE AT EDGE OF SLAB
SCALE: NONE



10 MPB66 POST BASE (CAST IN PLACE)
SCALE: NONE



11 ABU66 POST BASE OVER SLAB ON GRADE
SCALE: NONE



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10/26/2021

Cape Overlook Pool House
Triangle Land Partners
Lillington, North Carolina

PROGRESS DATE:	10.28.2024	
ISSUE DATE:		
REVISIONS NUMBER:		
DATE	INITIALS	DESCRIPTION

PROJECT NO: 002824

DRAWN BY: RA

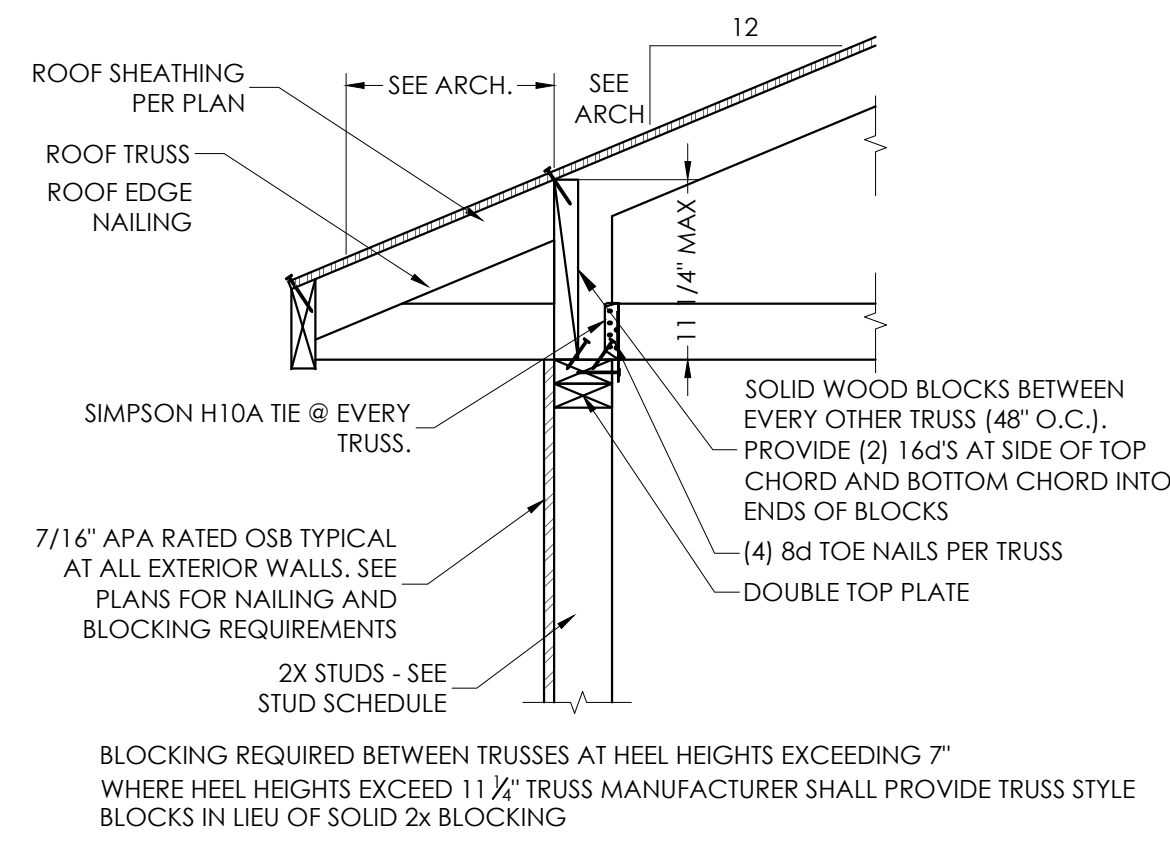
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SHEET TITLE: Foundation Details

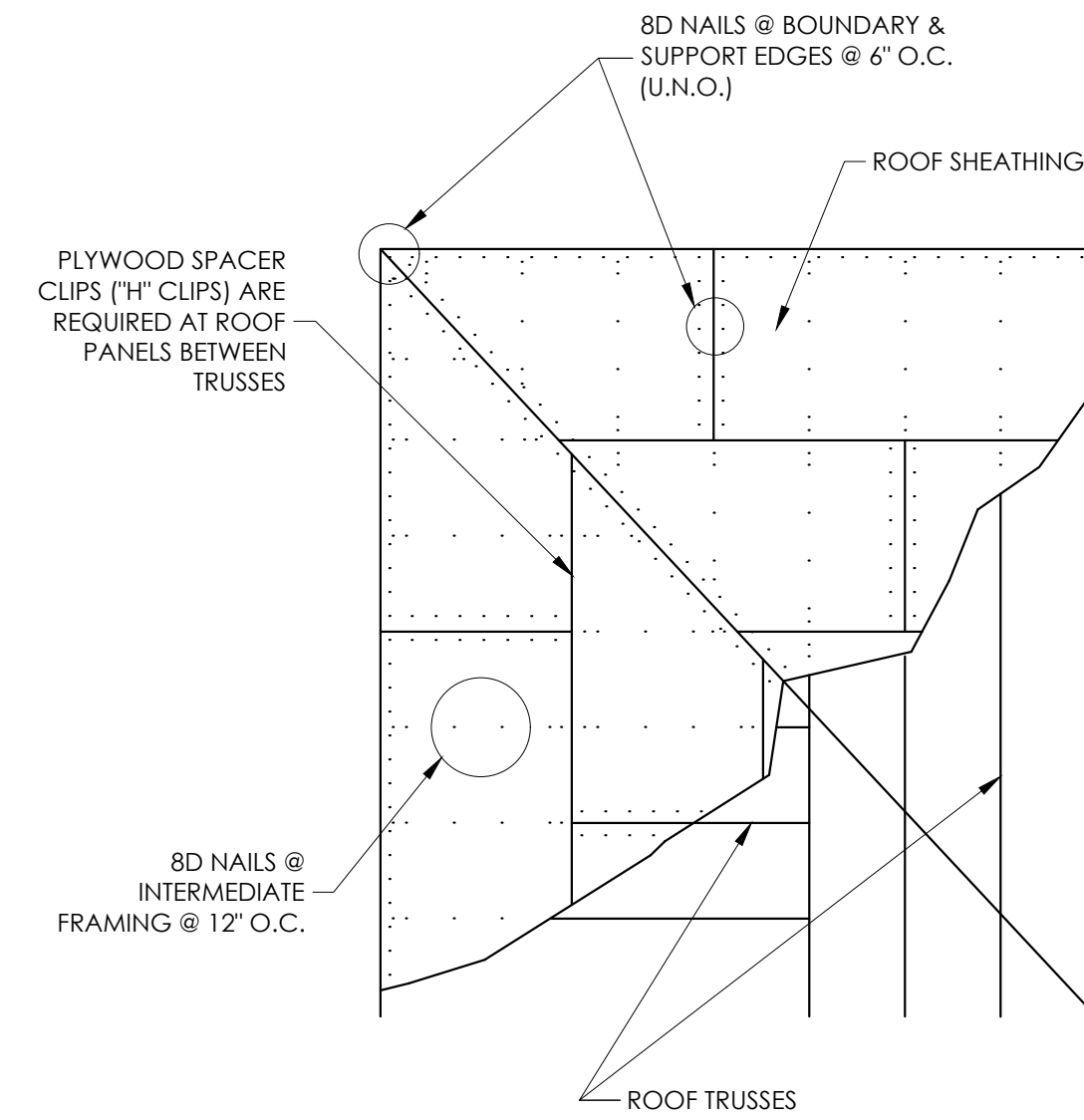
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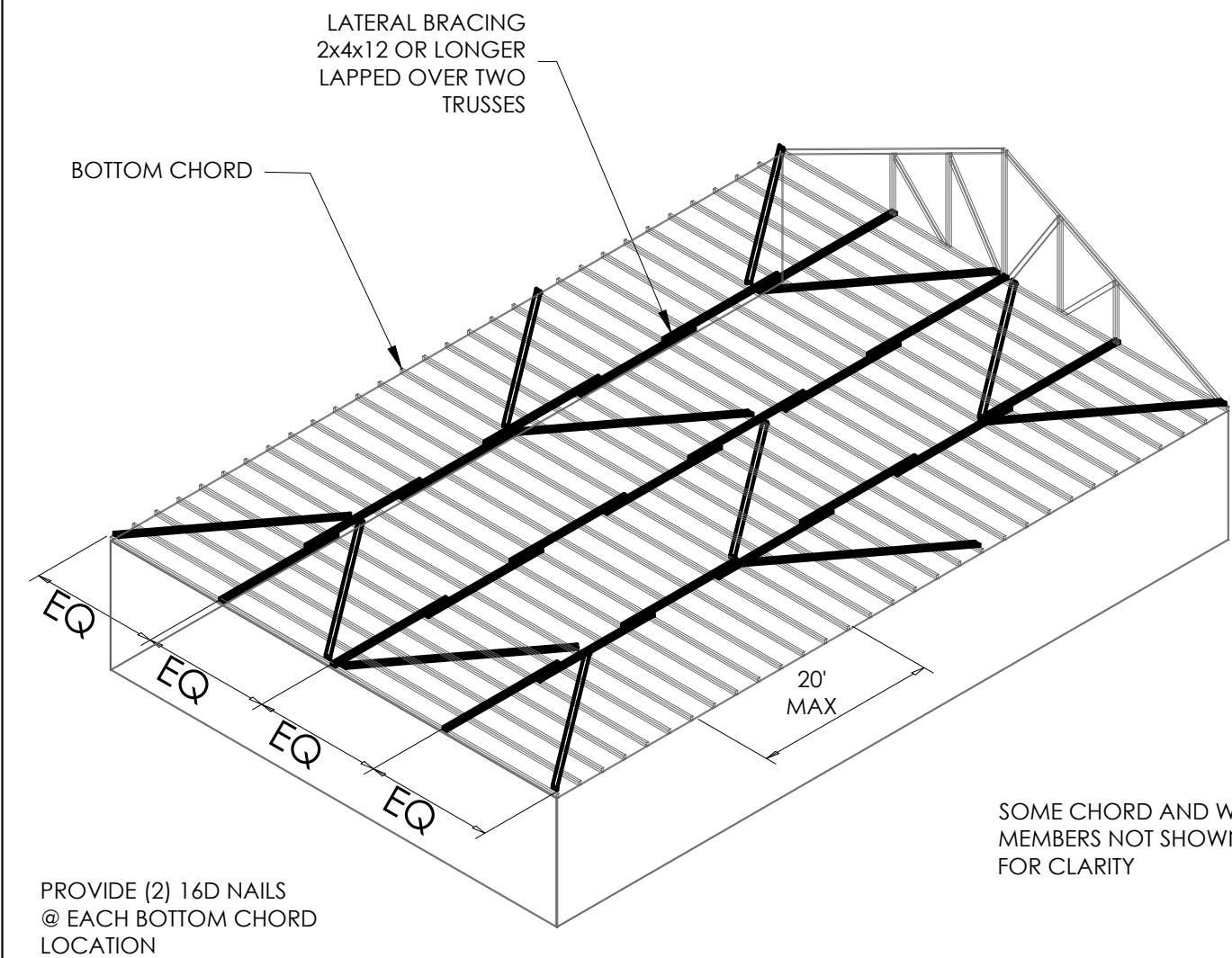
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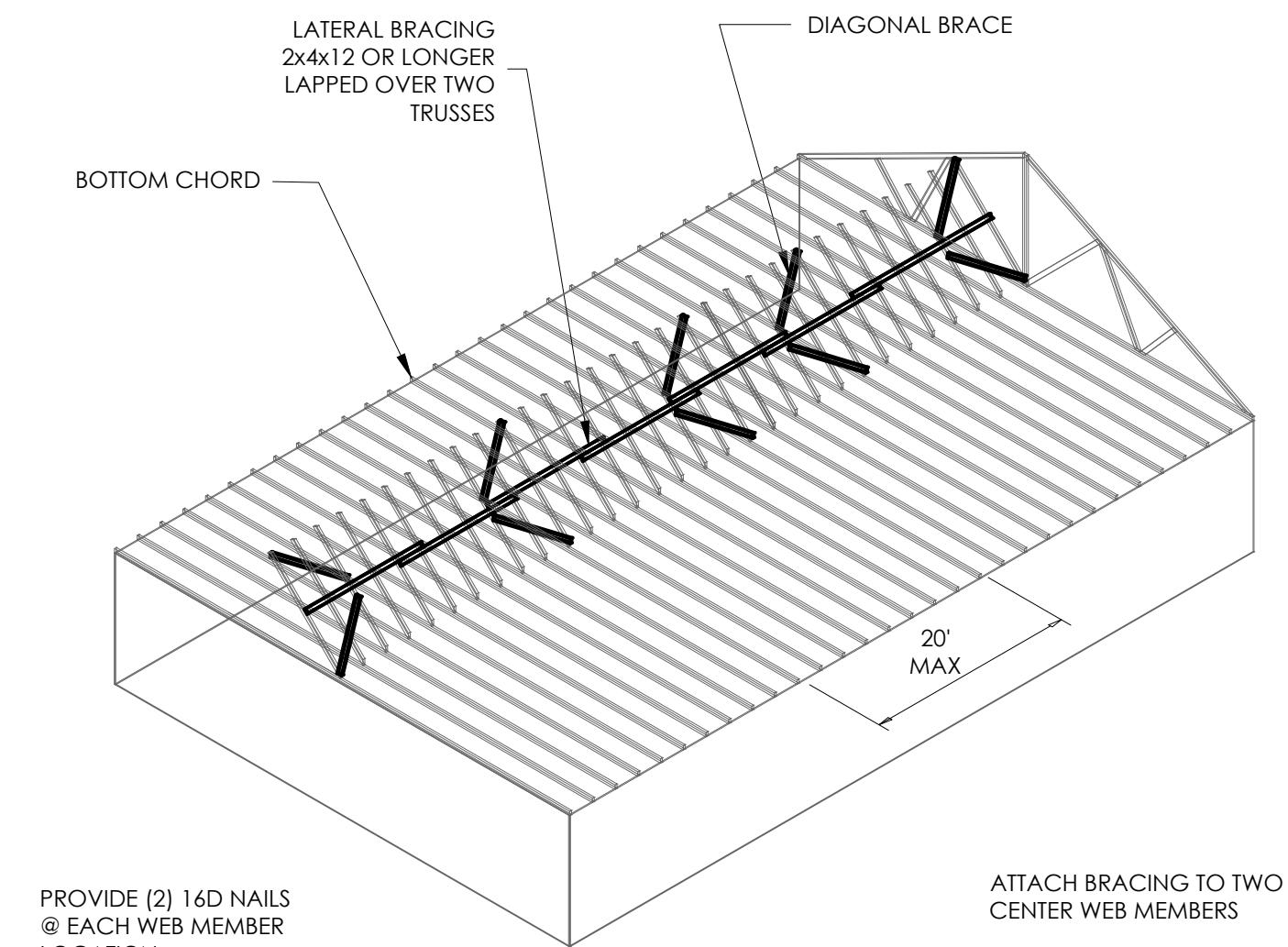
1 **TYPICAL ROOF TRUSS BEARING AT EXTERIOR WALL**
SCALE: NONE



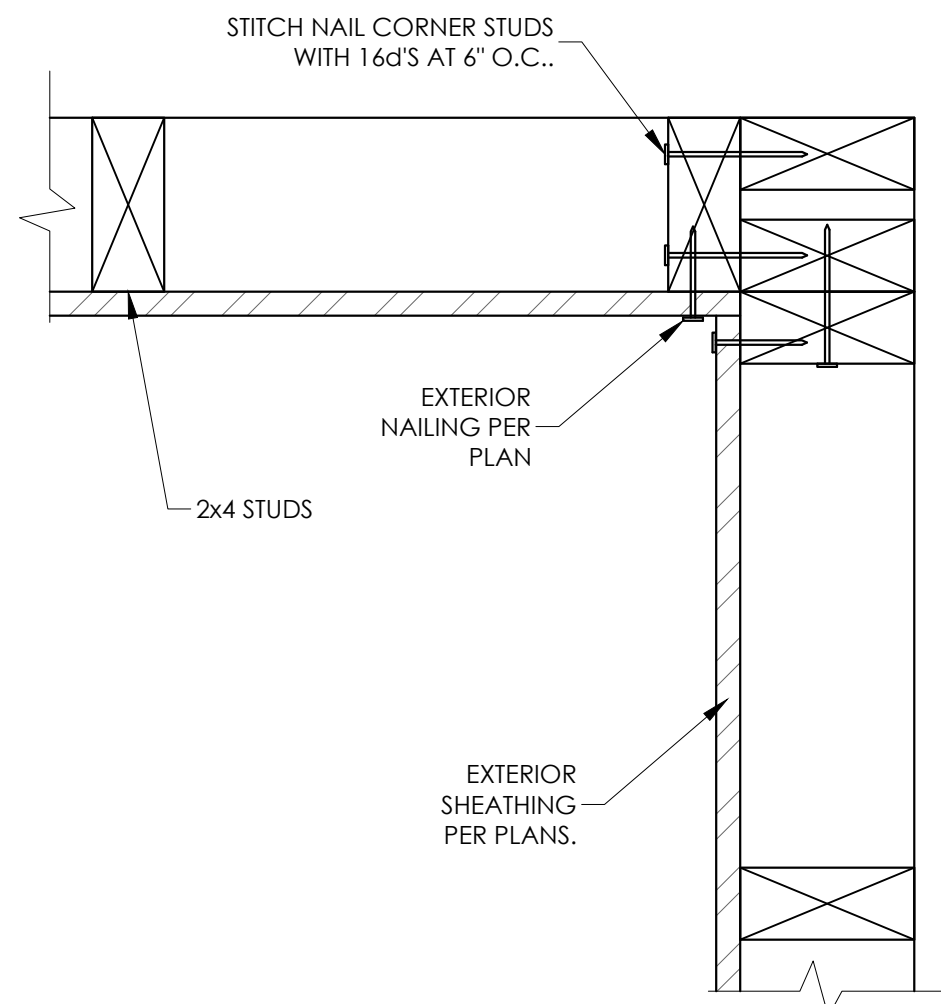
2 **HIP ROOF NAILING PATTERN**
SCALE: NONE



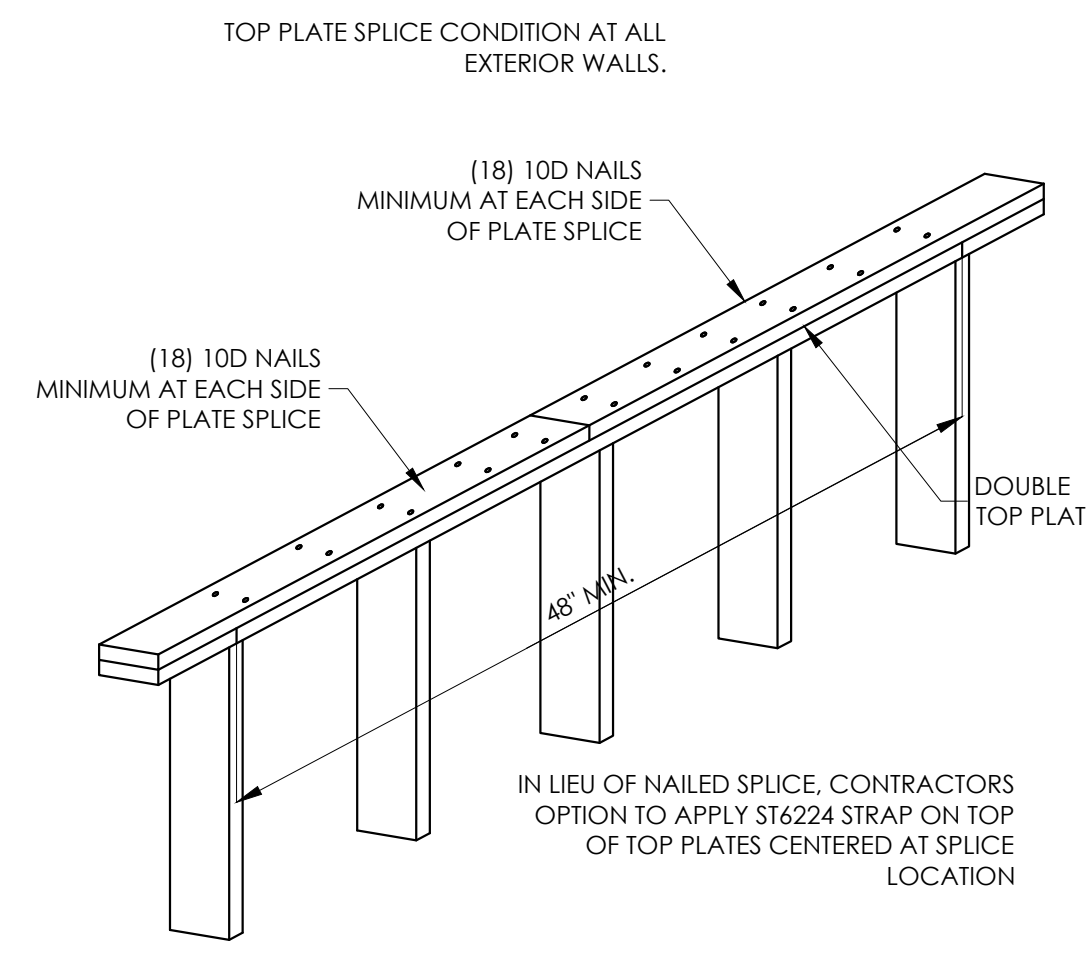
3 **PERMANENT TRUSS BRACING**
SCALE: NONE



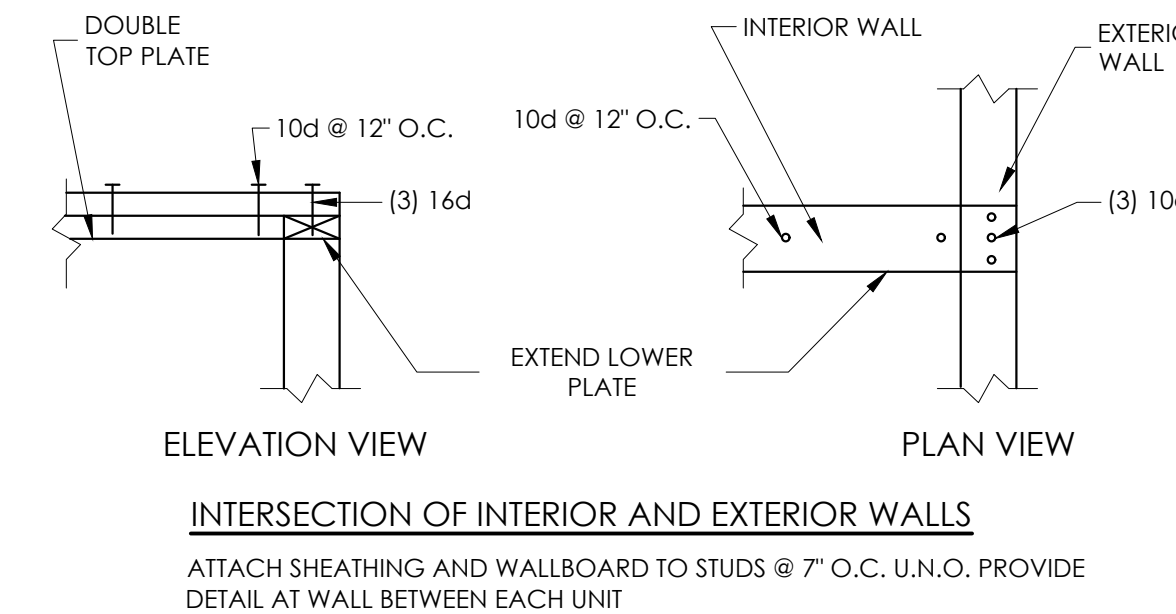
4 **PERMANENT TRUSS BRACING**
SCALE: NONE



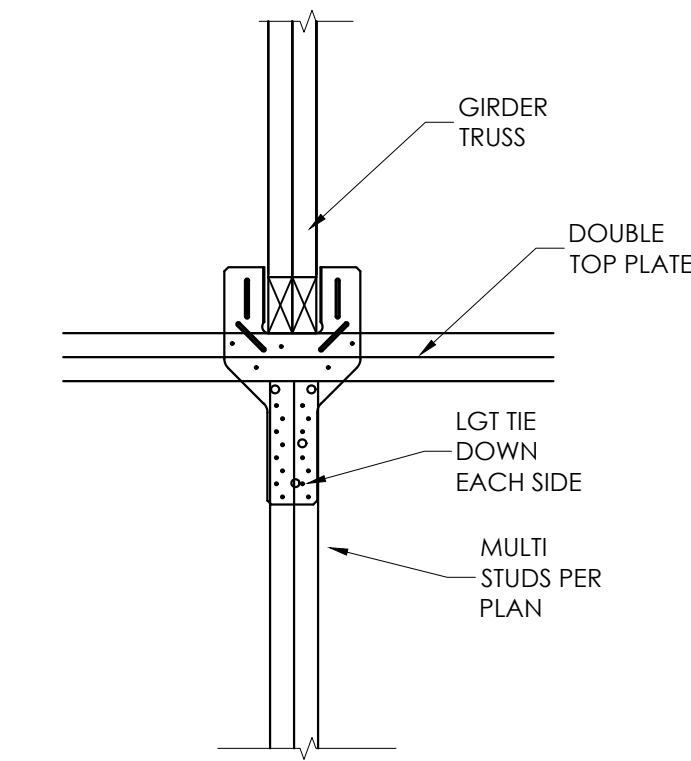
5 **CORNER FRAMING DETAIL**
SCALE: NONE



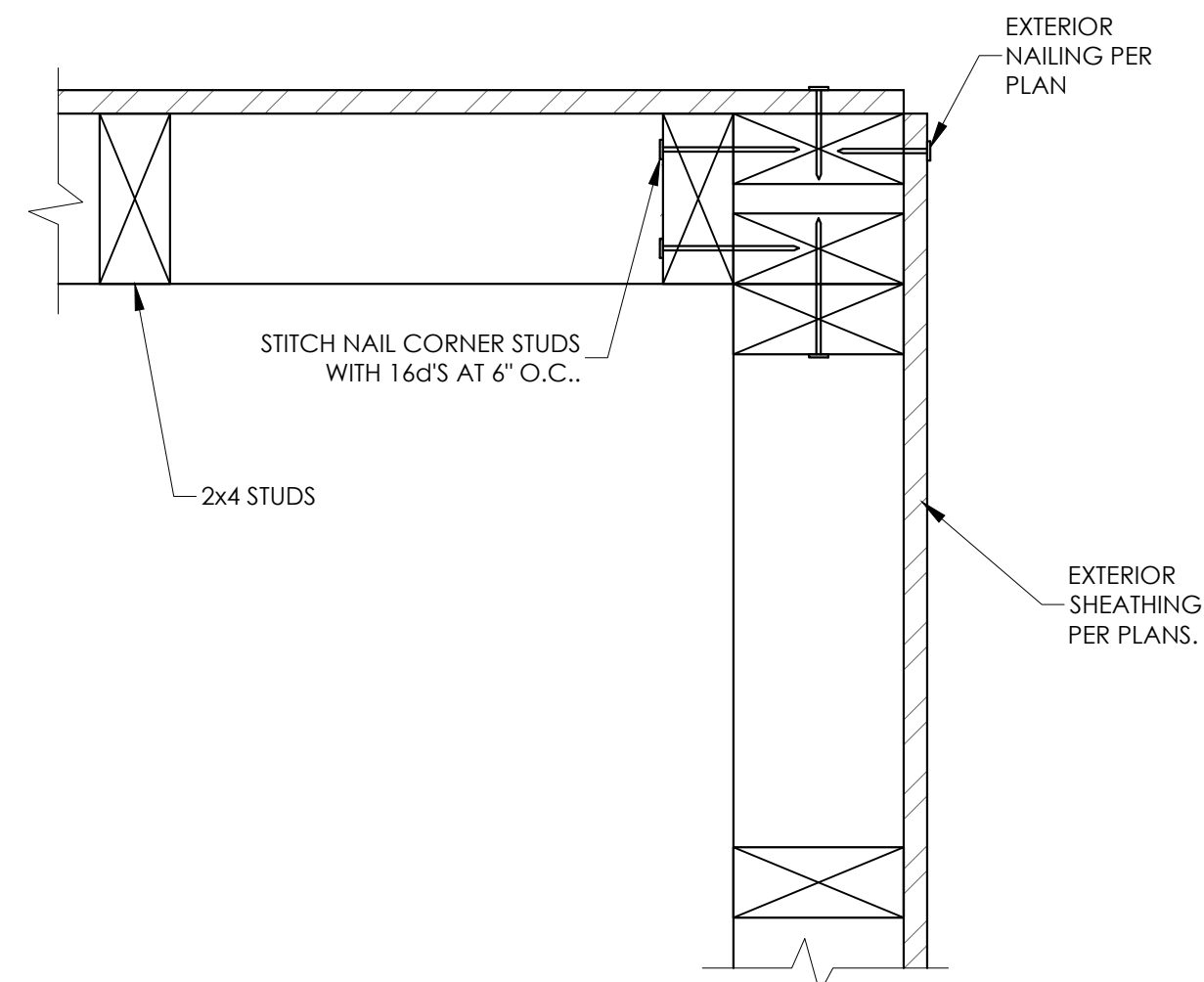
6 **TYPICAL DOUBLE TOP PLATE SPLICE**
SCALE: NONE



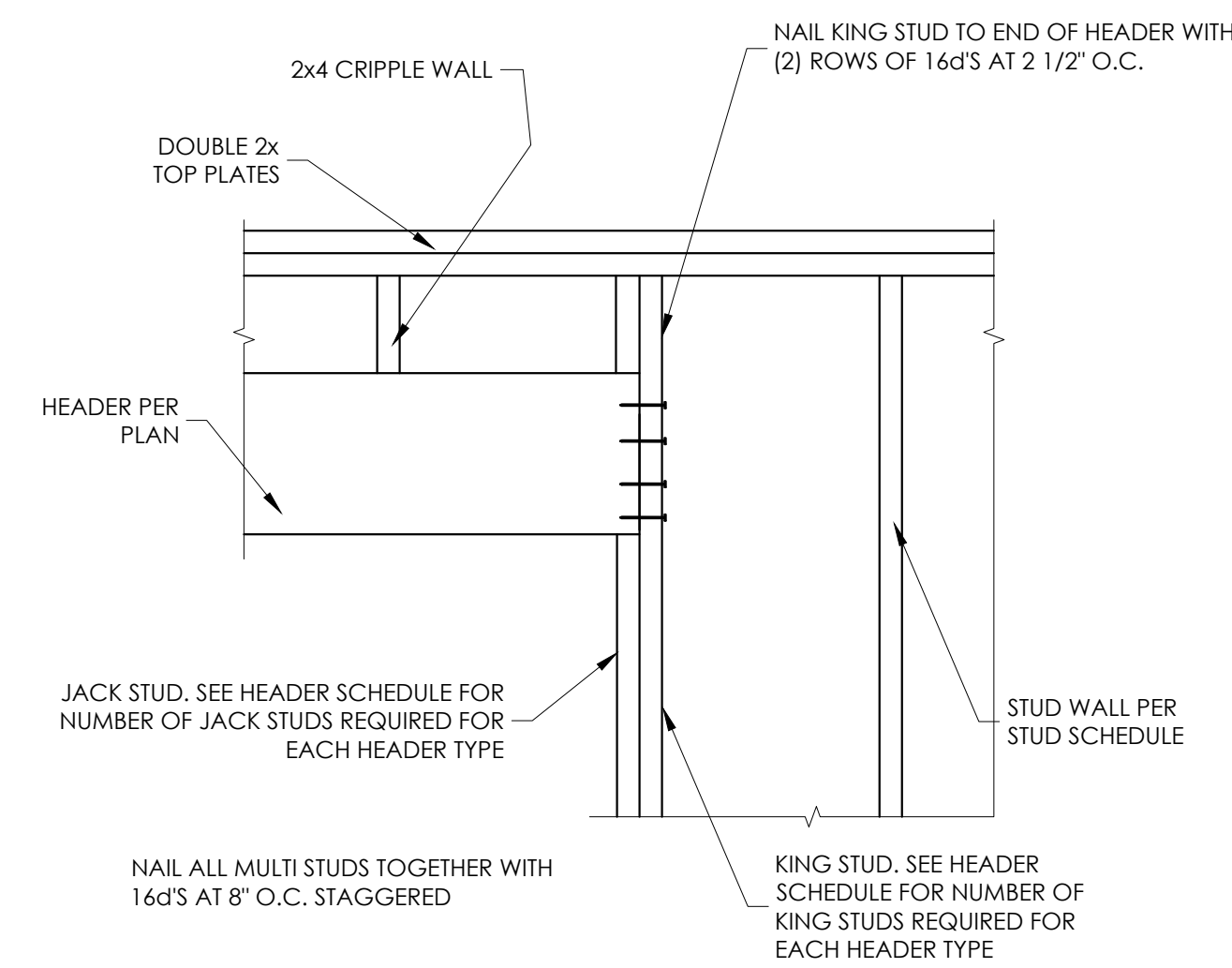
7 **HEADER SECTION**
SCALE: NONE



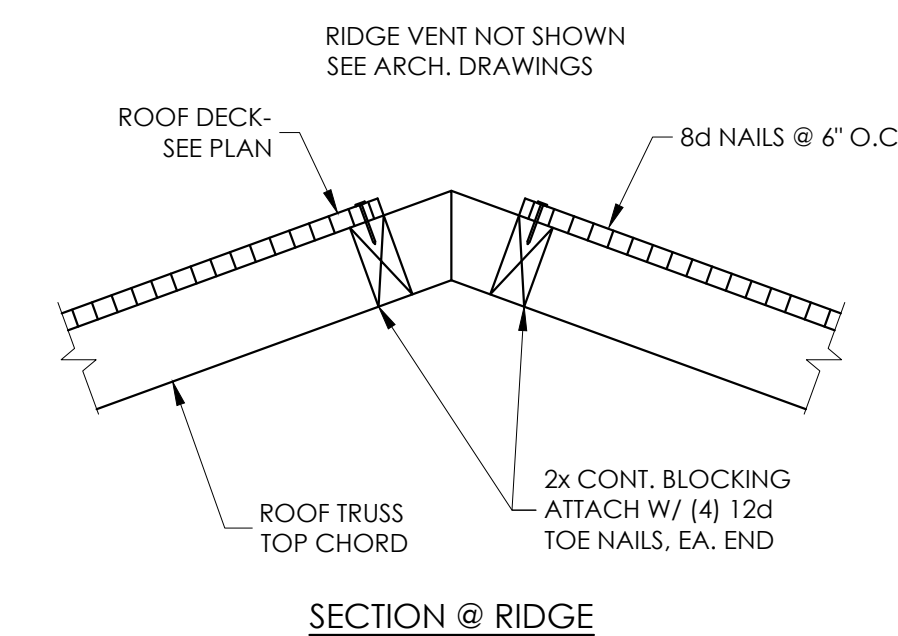
8 **FLUSH ROOF BEAM**
SCALE: NONE



9 **CORNER FRAMING DETAIL**
SCALE: NONE

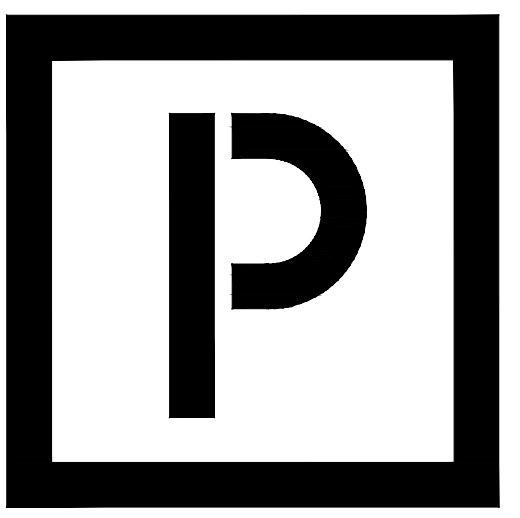


10 **HEADER BEARING DETAIL**
SCALE: NONE



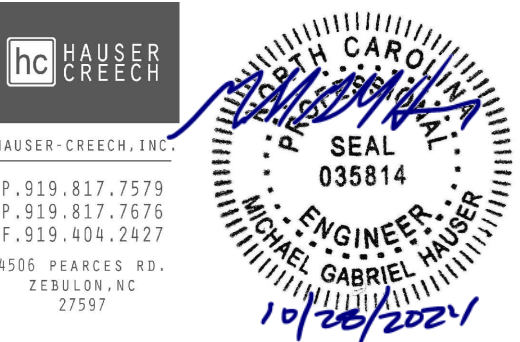
11 **RIDGE VENT**
SCALE: NONE

12 **SCALE: NONE**



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Triangle Land Partners

Lillington, North Carolina

PROGRESS DATE:	10.28.2024	
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DATE	INITIALS	DESCRIPTION

PROJECT NO: 002824

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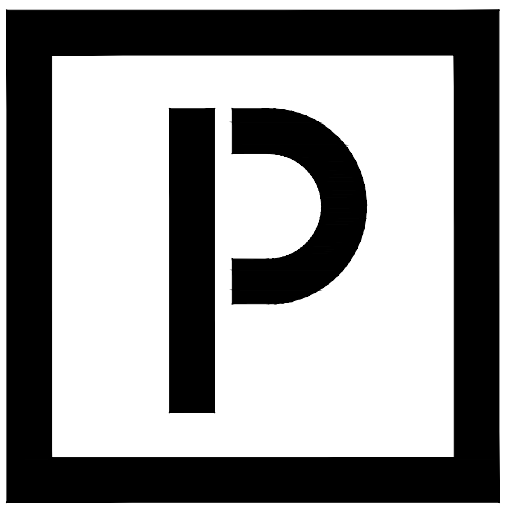
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SHEET TITLE: Framing Details

SHEET NUMBER:

S301

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Cape Overlook Pool House
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Lillington, North Carolina

FOUNDATION NOTES:

- FOUNDATION DESIGN IS BASED UPON ASSUMED SOIL BEARING VALUE OF 2000 PSF.
- THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE BUILDING LIMITS BY A REGISTERED GEO-TECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE BELOW THE FROST LINE OR 16" BELOW GRADE, WHICH EVER IS GREATER. (U.N.O.)
- WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED OR CLEAN GRAVEL SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
- WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

REINFORCED CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," (ACI 318, 09)
- REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60)
- FOUNDATIONS AND SLAB-ON-GRADE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 P.S.I. (SEE CIVIL DRAWINGS FOR SITE CONCRETE) KEEP COPY OF CONC. TEST REPORTS ON SITE AT ALL TIMES.
- WALL COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 4000 P.S.I. (SEE CIVIL DRAWINGS FOR SITE CONCRETE) KEEP COPY OF CONC. TEST REPORTS ON SITE AT ALL TIMES
- LAP SPLICES FOR #5 REINFORCING BARS SHALL BE 36" MIN., AND #6 REINFORCING BARS SHALL BE 43" MIN., UNLESS SUBMITTED AND APPROVED OTHERWISE.
- CLEAR CONCRETE COVER FOR REINFORCING STEEL:
WALLS: 3" CAST AGAINST GROUND
2" FORMED EDGES
FOOTINGS: 2" FORMED EDGES
3" CAST AGAINST GROUND
SLAB ON GRADE: MID-HEIGHT OF SLAB
- THE LONGITUDINAL REINFORCING STEEL IN WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
- SLUMP LIMIT IS 5 INCHES FOR CONCRETE WITH VERIFIED SLUMP OF 2 TO 4 INCHES BEFORE ADDING HIGH-RANGE WATER-REDUCING ADMIXTURE OR PLASTICIZING ADMIXTURE, PLUS OR MINUS 1 INCH
- AIR CONTENT: 6 PERCENT, PLUS OR MINUS 1.5 PERCENT AT POINT OF DELIVERY FOR 3/4-INCH NOMINAL MAXIMUM AGGREGATE SIZE. EXCEPTION TROWEL-FINISHED FLOOR SHALL NOT EXCEED 3 PERCENT.
- MAXIMUM COARSE-AGGREGATE SIZE: 3/4 INCH NOMINAL.
- PORTLAND CEMENT: ASTM C 150/C 150M, TYPE I.
- COLD-WEATHER PLACEMENT: COMPLY WITH ACI 306.1.
- HOT-WEATHER PLACEMENT: COMPLY WITH ACI 301.
- DESIGN, ERECT, SHORE, BRACE, AND MAINTAIN FORMWORK, ACCORDING TO ACI 301, TO SUPPORT VERTICAL, LATERAL, STATIC, AND DYNAMIC LOADS, AND CONSTRUCTION LOADS THAT MIGHT BE APPLIED, UNTIL STRUCTURE CAN SUPPORT SUCH LOADS. PLACE FORMWORK SO CONCRETE MEMBERS AND STRUCTURES ARE OF SIZE, SHAPE, ALIGNMENT, ELEVATION, AND POSITION INDICATED, WITHIN TOLERANCE LIMITS OF ACI 117. CHAMFER EXTERIOR CORNERS AND EDGES OF PERMANENTLY EXPOSED CONCRETE
- BEFORE PLACING CONCRETE, VERIFY THAT INSTALLATION OF FORMWORK, REINFORCEMENT, AND EMBEDDED ITEMS IS COMPLETE AND THAT REQUIRED INSPECTIONS ARE COMPLETED. DEPOSIT CONCRETE CONTINUOUSLY IN ONE LAYER OR IN HORIZONTAL LAYERS OF SUCH THICKNESS THAT NO NEW CONCRETE IS PLACED ON CONCRETE THAT HAS HARDENED ENOUGH TO CAUSE SEAMS OR PLANES OF WEAKNESS. IF A SECTION CANNOT BE PLACED CONTINUOUSLY, PROVIDE CONSTRUCTION JOINTS AS INDICATED. DEPOSIT CONCRETE TO AVOID SEGREGATION, CONSOLIDATE PLACED CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT ACCORDING TO ACI 301.
- ALL CONCRETE SHALL BE VIBRATED BY MECHANICAL VIBRATORS.

DESIGN INFORMATION:

1. ALL CONSTRUCTION SHALL CONFORM TO THE NORTH CAROLINA BUILDING CODE 2018 AND ASCE 7-10

2. DESIGN LOADS:
DEAD AND LIVE LOADS
ROOF LOADS
TOP CHORD DEAD _____ 10 psf
BOTTOM CHORD DEAD _____ 10 psf
TOP CHORD LIVE _____ 20 psf
BOTTOM CHORD LIVE _____ 10 psf
CATWALK (or mechanical platform) 40 psf

RISK CATEGORY _____ II

IMPORTANCE FACTORS
I seismic _____ 1.0
I snow _____ 1.0
GROUND SNOW LOAD (pg) _____ 1.5 psf

DESIGN WIND SPEED _____ Risk Cat II = 120 mph (ASCE 7-10)

SEISMIC DESIGN PARAMETERS
S1 _____ 0.086
Ss _____ 0.183
SITE CLASS _____ D
Sds _____ 0.195
Sd1 _____ 0.136
SEISMIC DESIGN CATEGORY _____ C

- ADDITIONAL LIVE LOADS PRESCRIBED IN ASCE7-10 RELATED TO ROOF ATTICS AND ROOF TRUSSES, INCLUDING LIMITED ACCESS STORAGE IN ATTICS SHALL APPLY TO PRE-FABRICATED TRUSSES, AND SHALL BE CLEARLY IDENTIFIED ON THE TRUSS SHOP DRAWINGS..
- THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
- THIS PROJECT CONTAINS A SERIES OF DETAILS CONSIDERED "TYPICAL DETAILS". THESE SHALL APPLY AT ALL SITUATIONS THAT ARE THE SAME OR SIMILAR AS THESE DETAILS. THESE "TYPICAL DETAILS" SHALL APPLY WHETHER OR NOT THEY ARE INDICATED OR CUT AT EACH LOCATION.
- VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE WORKED WITH ARCHITECTURAL DRAWINGS.
- USE OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS ACCORDINGLY PRIOR TO SUBMITTING TO THE ENGINEER. THE OMISSION OF ITEMS FROM SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY OF FURNISHING AND INSTALLING ITEMS REGARDLESS OF WHETHER SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

WOOD FRAMING (NOT INCLUDING PRE-FABRICATED TRUSSES):

- ALL WOOD CONSTRUCTION SHALL CONFORM TO THE 2018 NORTH CAROLINA BUILDING CODE AND TO THE NDS.
- ALL NAILING (UNLESS NOTED OTHERWISE) SHALL CONFORM TO THE 2018 NORTH CAROLINA BUILDING CODE
- ALL STUDS, TOP PLATES AND SILL PLATES IN BEARING WALLS SHALL BE SPF NO. 2 OR BETTER OR SYP NO. 2 OR BETTER.
- ALL STUDS, TOP PLATES AND SILL PLATES IN NON-BEARING WALLS SHALL BE SPF STUD GRADE OR BETTER.
- ALL 2x NOMINAL HEADERS SHALL BE SPF NO. 2 OR BETTER OR SYP NO. 2 OR BETTER.
- ALL EXPOSED LUMBER SHALL BE PRESERVATIVE TREATED.
- FINGER JOINTED STUDS MAY BE USED IN INTERIOR APPLICATIONS PROVIDED THE STRUCTURAL PROPERTIES EQUAL OR EXCEED THAT OF THE SOLID SAWN LUMBER. FINGER JOINTED LUMBER SHALL NOT BE USED IN EXPOSED CONDITIONS.
- ALL CONNECTIONS IN EXPOSED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
- ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED.
- ALL MANUFACTURED LAMINATED VENEER LUMBER (LVL) SHALL HAVE A MODULUS OF ELASTICITY OF 264 psi AND A MINIMUM BENDING STRENGTH OF 2800 psi.
- UNDER NO CIRCUMSTANCE SHALL LAMINATED VENEER LUMBER BE USED IN AN EXPOSED CONDITION, WHERE MANUFACTURER LUMBER IS REQUIRED IN AN EXPOSED CONDITION THE CONTRACTOR MUST USED PRESERVATIVE TREATED GLU-LAMINATED LUMBER (GLB).

WOOD TRUSSES:

- IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR TRUSS DESIGN, THE TRUSS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR M, P&E EQUIPMENT OR MATERIALS AND BY SPRINKLER LOADS IN THE TRUSS DESIGN.
- TRUSSES SHALL BE DESIGNED BY A REGISTERED ENGINEER IN THE STATE OF NORTH CAROLINA AND SHOP DRAWINGS BEARING THE ENGINEER'S SEAL SHALL BE SUBMITTED FOR APPROVAL.
- TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TRUSS PLATE INSTITUTE.
- LIMIT LIVE LOAD DEFLECTION TO L/360. LIMIT TOTAL LOAD DEFLECTION TO L/240 OR 1" MAX.

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes. 3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted. 5. Planworx Architecture, P.A. retains ownership of all of designs depicted and implied herein.
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PROGRESS DATE:	10.28.2024	INITIALS	DESCRIPTION
ISSUE DATE:		DATE	
REVISIONS NUMBER:	1		

PROJECT NO: 002824

DRAWN BY: RA

CHECKED BY: MGH

SHEET TITLE:

General Notes

SHEET NUMBER:

S401

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	MANUFACTURER	FITTING	HW	CV	WASTE
P1	TWO PIECE TANK TYPE WATER CLOSET	TOTO CS1744EL OR EQUAL BY AMERICAN STANDARD OR KIDLER	TWO-PIECE VITREOUS CHINA TOILET WITH HIGH-PROFILE TANK, ELONGATED FRONT BOWL AND CHROME TRIP LEVER. 1.28 GPF. PROVIDE 3/4" OPEN FRONT SEAT LESS COVER. ASME 112.19.2 COMPLIANCE.	-	1/2"	3"
PH	TWO PIECE TANK TYPE ADA WATER CLOSET	TOTO CS1744EL OR EQUAL BY AMERICAN STANDARD OR KIDLER	TWO-PIECE VITREOUS CHINA TOILET WITH HIGH-PROFILE TANK, ELONGATED FRONT BOWL AND CHROME TRIP LEVER. 1.28 GPF. PROVIDE 3/4" OPEN FRONT SEAT LESS COVER. ASME 112.19.2 COMPLIANCE. TOP OF SEAT SHALL BE 17-19 INCHES AFF FOR ADA. LEVER MOUNTED ON WIDE SIDE FOR ADA.	-	1/2"	3"
P2	COUNTER MOUNT LAVATORY	TOTO L1511.4 OR EQUAL BY AMERICAN STANDARD OR KIDLER	VITREOUS CHINA SELF-RIMMING LAVATORY COMPLYING WITH ASME 112.19.2. MOUNT 30 RIM IS 34 INCHES AFF AND 2 INCHES FROM FRONT EDGE FOR ADA. PROVIDE WITH LOW-GARD PROTECTORS SUPPLY AND DRAIN LINES. USE A METERING TYPE FAUCET SIMILAR TO CHICAGO 3300-CF.	1/2"	1/2"	2"
P3	URINAL	TOTO UT44TE OR EQUAL BY AMERICAN STANDARD OR KIDLER	VITREOUS CHINA, WALL-MOUNTED, ADA COMPLIANT, LOW CONSUMPTION WASHOUT URINAL COMPLYING WITH ASME 112.19.2. 0.5 GPF. SLOW CROWN 186-0.5 FLUSHMETER VALVE OR EQUAL BY ZURN OR TOTO. TOP OF RIM SHALL BE 17 INCHES AFF FOR ADA.	-	3/4"	2"
P4	SHOWER	TILED SHOWER	PROVIDE SUBMITTALS TO OWNER AND HAND SHOWER ATTACHMENT. (DELTA 1300 SERIES, R1000 SHOWER VALVE)	-	1/2"	2"
P5	DRINKING FOUNTAIN	DAVIS P8ACSL OR EQUAL BY ELKAY DR STERN WILLIAMS	ADA COMPLIANT FOR ADULT AND CHILD. 8.0 GPH OF 50°F WATER AT 90°F AMBIENT. PROVIDE ACCESSORY AFORN FOR ADA COMPLIANCE AS NECESSARY.	-	3/8"	2"
P6	FLOOR DRAIN	WATTS FD-200-A DR OR EQUAL BY ZURN DR JR SMITH	ON GRADE EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEP HOLES, ADJUSTABLE ROUND NICKEL BRONZE STRAINER, AND NO HUB OUTLET. PROVIDE TRAP PRIMER CONNECTION OPTION IF NOTED.	-	-	3"
P7	EXPANSION TANK	AMTROL ST-5 DR EQUAL BY WATTS DR BELL & GOSSETT	INSTALL ON COLD WATER LINE BETWEEN WATER HEATER AND RPZ.	-	3/4"	-
P8	THERMOSTATIC MIXING VALVE	ASSE LFMW DR EQUAL BY LAWLOR DR LEONARD VALVE	ASSE STANDARD 1069 OR 1070 APPROVED WITH 1/2 INCH FEMALE NPT INLET AND OUTLET CONNECTIONS, BRASS BODY, AND INTEGRAL MOUNTING HOLES. TAMPER RESISTANT THERMOSTATIC LAVATORY. SINGLE REPLACEABLE CARTRIDGE DESIGN.	1/2"	1/2"	-
P9	AUTOMATIC TRAP PRIMER	ZURN 1022 DR EQUAL BY WATTS DR JR SMITH	COMPLIANT WITH ASSE 1018. INSTALL IN SUPPLY LINE TO LAVATORY 12 IN OR MORE ABOVE FINISHED FLOOR. PROVIDE ACCESS PANEL FOR MAINTENANCE AND VISUAL INSPECTION.	-	1/2"	-
P10	1 1/4" RPZ BACKFLOW PREVENTER	WATTS LF9091-0T 1 1/4 DR EQUAL BY CONRAD OR WILKINS	RPZ ASSEMBLY CONSISTING OF A PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK VALVES. THE ASSEMBLY SHALL INCLUDE TWO TIGHTLY CLOSING SHUTOFF VALVES BEFORE AND AFTER THE ASSEMBLY, TEST COCKS AND A PROTECTIVE STRAINER UPSTREAM OF THE FIRST SHUTOFF VALVE. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE 1013 AND ANNA C511.	-	1 1/4"	-
FCI	FLOOR CLEANDUT	ZURN, WATTS, JR SMITH	EPOXY COATED CAST IRON FLOOR CLEANDUT WITH ROUND ADJUSTABLE GASKETED NICKEL BRONZE TOP, REMOVABLE GAS TIGHT GASKETED BRASS CLEANDUT PLUG, AND NO HUB INLET.	-	-	4"
WCJ	WALL CLEANDUT	ZURN, WATTS, DR JR SMITH	CAST IRON CLEANDUT FERROUS WITH THREADED BRASS COUNTERSINK CLEANDUT PLUG, STAINLESS STEEL ACCESS COVER, AND HANDL. PROF. STAINLESS STEEL SCREW	-	-	4"
AAV	AIR ADMITTANCE VALVE	STUDDER REDIVENT DR APPROVED EQUAL	ANSI/ASSE 1051 LISTED. NSF STANDARD 34. PROVIDE PVC OR ABS CONNECTOR AS NECESSARY. CONNECT VALVE TO PIPING PER MANUFACTURER. INSTALL IN THE VERTICAL, UPRIGHT POSITION AFTER ROUGH-IN AND PRESSURE TESTING OF THE SYSTEM. PROVIDE WALL BOX IF NOT ABOVE CEILING OR OTHERWISE CONCEALED.	-	-	2"

ELECTRIC WATER HEATER SCHEDULE

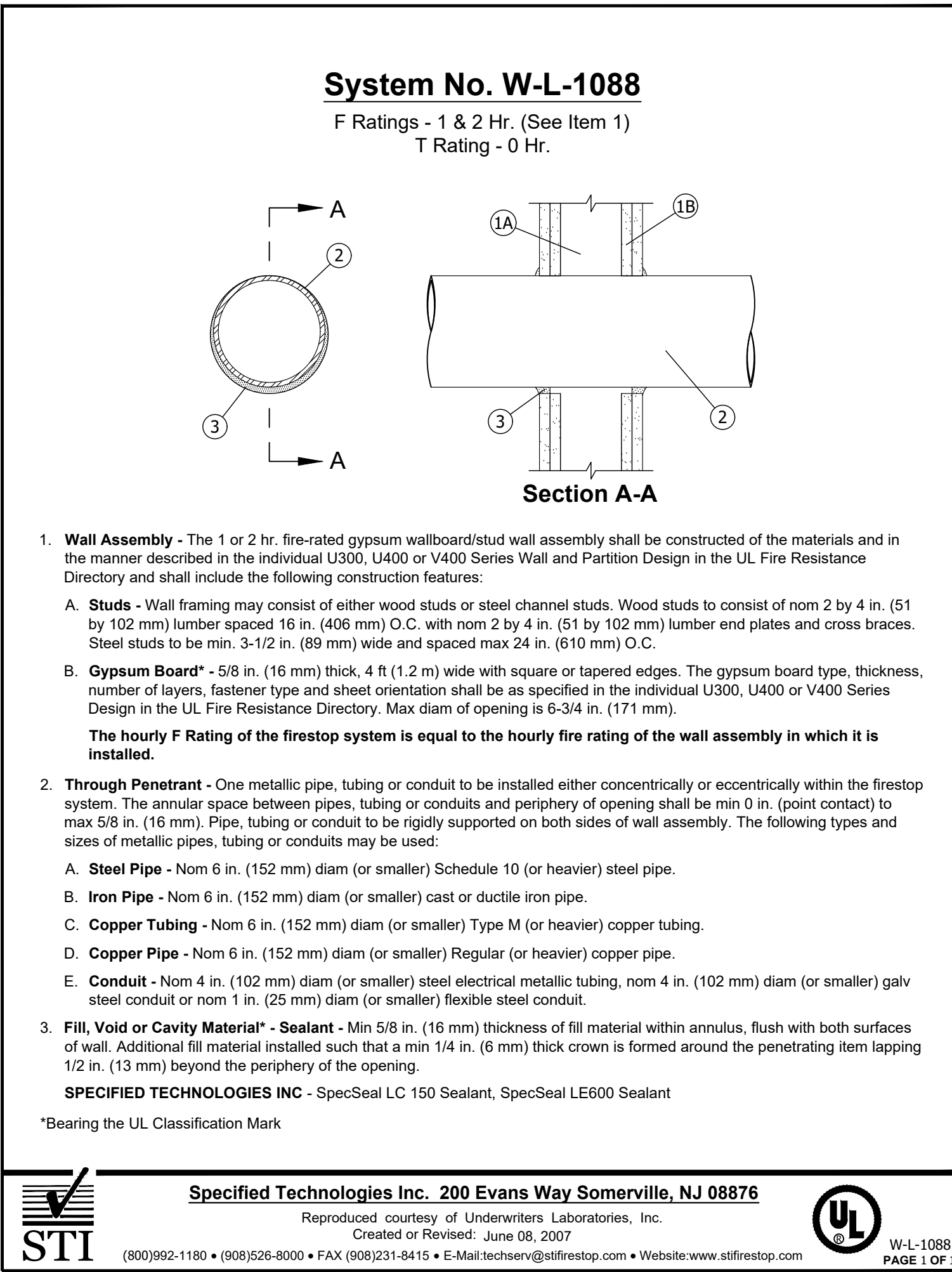
MARK	MFG	MODEL	TANK VOL.		INPUT		RECOVERY		SET POINT		POWER		CONNECTIONS		OPTIONS
			GALS	KW	GPH @ 60°F	°F	VOLTAJE	PHASE	HOT	COLD					
WH-1	RHEEM	ELD540	38	4.5	30		110				240	1	3/4	3/4	1-5

- PROVIDE GALVANIZED STEEL SAFETY PAN
- UL 174 LISTED
- PROVIDE ASSE LISTED TEMPERATURE AND PRESSURE RELIEF VALVE
- MEET OR EXCEED ENERGY FACTOR REQUIREMENTS OF ASHRAE 90.1-2007
- OR EQUAL BY A.O. SMITH, BRADFORD WHITE, OR STATE

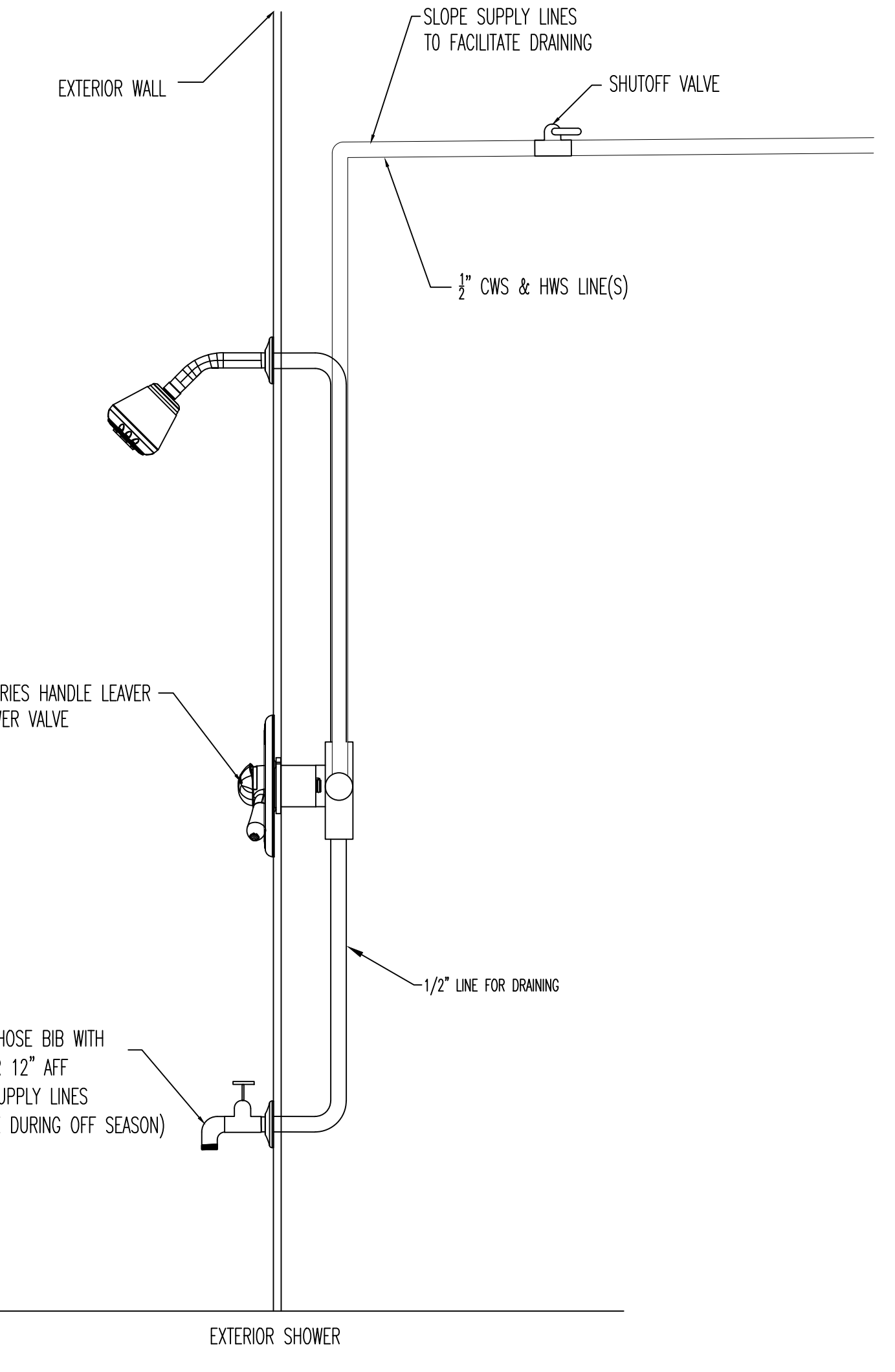
LINETYPE LEGEND

COLD WATER SUPPLY	---
HOT WATER SUPPLY	---
SANITARY SEWER LINE	---
VENT LINE	---

PLUMBING FIXTURE SCHEDULE 1



RATED WALL PENETRATION DETAIL | 2



EXTERIOR SHOWER DETAIL - NO SCALE | 3

GENERAL PLUMBING NOTES:

ADMINISTRATIVE:

- THE FOLLOWING ABBREVIATIONS SHALL APPLY TO NOTES AND PLANS:
 - PC - PLUMBING CONTRACTOR, EC - ELECTRICAL CONTRACTOR, MC - MECHANICAL CONTRACTOR, GC - GENERAL CONTRACTOR, FAS - FIRE ALARM SYSTEM CONTRACTOR.
- PROVIDER MEANS TO FURNISH AND INSTALL THE PLUMBING CONTRACTOR SHALL ALSO INSTALL MATERIALS FURNISHED BY OTHERS AND THE GENERAL CONTRACTOR.
- THE PC SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM AS DESCRIBED BY THESE PLANS AND SPECIFICATIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED AT THE APPROVED SITE. THE PC SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM BREAKE, THEFT, AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE PC UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.
- ALL MATERIALS USED SHALL BE NEW AND FREE OF DEFECTS. ANY MATERIALS FOUND TO BE DEFECTIVE SHALL BE REPLACED AT NO EXPENSE TO THE OWNER. ALL MATERIALS AND EQUIPMENT SHALL BEAR APPROVAL FROM UL OR AN APPROVED THIRD PARTY AGENCY, WHERE A MANUFACTURER AND MODEL NUMBER IS GIVEN, IT IS TO ESTABLISH A STANDARD OF QUALITY AND NOT TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DETERMINED TO BE EQUAL BY THE ENGINEER WILL BE ACCEPTED.
- THE PLUMBING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 NORTH CAROLINA PLUMBING CODE AND ANY APPLICABLE LOCAL CODES. WHERE A CONFLICT EXISTS BETWEEN THE ABOVE REQUIREMENTS, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ENGINEER OR IN THE EVENT ANY OF THESE PLANS CONFLICTS WITH THE ABOVE REQUIREMENTS.
- THE PC SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER THIS CONTRACT.
- DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
- THESE PLANS ARE DIAGRAMATIC. THE PC SHALL ADJUST THE LOCATIONS OF EQUIPMENT, FIXTURES, PIPING, ETC, TO ACCOMMODATE PLANNED AND ENCOUNTERED INTERFERENCES. THE DRAWINGS DO NOT SHOW ALL BENDS, OFFSETS, AND FITTINGS THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. THE PC SHALL MAKE ALLOWANCES FOR SUCH DEVIATIONS AND CONTINGENCIES IN BID TO IMPLEMENT THEM WITHOUT ADDITIONAL COST TO THE OWNER. THE PC SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. CONTRACTOR SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. TO AVOID POTENTIAL CONFLICTS, COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO ANY DIGGING. TRENCHING, COMPACTING, AND BACKFILL SHALL BE BY PC AND SHALL BE IN ACCORDANCE WITH SECTION 306 OF THE NC PLUMBING CODE. UNDERGROUND LINES SHALL BE LOCATED SUCH THAT THEY DO NOT ENDANGER FOOTINGS OR FOUNDATION WALLS.
- THE PC SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS OF RATED FLOOR/Ceiling ASSEMBLIES AND RATED WALL ASSEMBLIES TO PRESERVE OR RESTORE THE FIRE RESISTANCE RATING. SEAL ALL PENETRATIONS USING A UL LISTED SYSTEM FOUND IN THE UL DIRECTORY SPECIFIC TO THE UL LISTING OF THE ASSEMBLY BEING PENETRATED. SEE ARCHITECTURAL PLANS FOR UL RATED ASSEMBLIES TO THE PROJECT.
- SYSTEM TESTING SHALL BE PERFORMED BY PLUMBING CONTRACTOR IN ACCORDANCE WITH NORTH CAROLINA PLUMBING CODE, SECTIONS 312.2, 312.3, AND 312.5.
- PC SHALL DISINFECT THE ENTIRE DOMESTIC WATER PIPING SYSTEM IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- AT THE COMPLETION OF WORK AND PRIOR TO ACCEPTANCE BY OWNER, THE PC SHALL CLEAN ALL EXPOSED FIXTURES, MATERIALS, AND EQUIPMENT UNDER THIS CONTRACT.
- PC SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE ALL APPLICABLE CONSTRUCTION WASTE IS RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT.

MATERIALS:

- ALL OVERHEAD DOMESTIC WATER PIPING SHALL BE TYPE L COPPER WITH 95/5 LEAD FREE SOLDER, AND ALL BELOW GRADE WATER PIPING SHALL BE TYPE K COPPER WITH NO JOINTS. ALL PIPING SHALL HAVE MANUFACTURER'S NAME AND THE APPLICABLE STANDARD TO WHICH IT WAS MANUFACTURED CLEARLY MARKED ON EACH LENGTH. PIPING SHALL COMPLY WITH ASTM B-88. USE BRONZE JOINTS ON ALL COPPER PIPING 1-1/2 INCH AND LARGER. ** PC MAY USE PEX (ASTM F 877) WITH APPROVED FITTINGS (ASTM F 1807) WITH OWNER'S APPROVAL. ** CPVC PIPING (ASTM D 2846 OR ASTM F 441) WITH APPROVED FITTINGS (ASTM D 2846, ASTM F 438, OR ASTM F 439) MAY ALSO BE USED WHERE NOT LOCATED IN PLENUMS. ALL PLASTIC PIPE, FITTINGS, AND COMPONENTS SHALL BE THIRD PARTY CERTIFIED AS CONFORMING TO NSF 14. ALL PIPE AND PIPE FITTINGS, INCLUDING VALVES AND FAUCETS, USED IN THE WATER DISTRIBUTION SYSTEM SHALL HAVE A MAXIMUM LEAD CONTENT OF 25-PERCENT AND SHALL CONFORM TO NSF 61. HOT WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF 100 PSI AT 180°F. COLD WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF 160 PSI AT 73.4°F. DO NOT INSTALL PEX OR CPVC PIPING IN RETURN AIR FLEINGS.
- WALL VALVES SHALL HAVE BRASS BODY, FULL PORT, CHROME PLATED BALL, WITH TEFLON SEATS, 150 PSI WSP, AND COMPLY WITH MSS SP-110. GATE VALVES SHALL HAVE BRONZE BODY, CLASS 150, AND COMPLY WITH MSS SP-80, TYPE 2 STANDARD. VALVE BODY SHALL BE ASTM B 62, BRONZE WITH INTEGRAL SEAT AND UNION RING BONNET. ENDS SHALL BE THREADED OR SOLDER WITH COPPER-SOLDER.
- COLD WATER LINES SHALL BE INSULATED WITH 1/2 INCH THICK FIBROUS GLASS INSULATION WITH A FLAME DENSITY RATING LESS THAN 25 AND A SMOKE DENSITY RATING LESS THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. HOT WATER LINES UP TO 2 INCHES DIAMETER SHALL HAVE 1 INCH THICK INSULATION CONFORMING TO THE SAME STANDARD. PIPING LARGER THAN 2 INCHES SHALL RECEIVE 1-1/2 INCH THICK INSULATION. CLOSED CELL RUBBER INSULATION MEETING THE SMOKE AND FLAME RATINGS ABOVE MAY BE SUBSTITUTED FOR FIBROUS GLASS TYPE IF SO DESIRED. INSULATION INSTALLED ON PIPING OPERATING BELOW AMBIENT TEMPERATURES MUST HAVE A CONTINUOUS VAPOR RETARDER. ALL JOINTS, SEAMS AND FITTINGS MUST BE SEALED ON SYSTEMS OPERATING ABOVE AMBIENT. THE BUTT JOINTS SHOULD NOT BE SEALED. ON COLD SURFACES WHERE A VAPOR SEAL MUST BE MAINTAINED, INSULATION SHALL BE APPLIED WITH A CONTINUOUS, UNBROKEN MOISTURE AND VAPOR RETARDER. ALL HANGERS, SUPPORTS, ANCHORS, OR OTHER PROJECTIONS SECURED TO COLD SURFACES SHALL BE INSULATED AND VAPOR SEALED TO PREVENT CONDENSATION. ALL PIPE INSULATION SHALL BE CONTINUOUS THROUGH WALLS, CEILING OR FLOOR OPENINGS, OR SLEEVES EXCEPT WHERE FIRESTOP OR FIRESEALING MATERIALS ARE REQUIRED. INSULATION SHALL HAVE A FACTORY APPLIED ALL-SERVICE JACKET WITH SELF-SEALING LAP. WHITE-KHART PAPER BONDED TO ALUMINUM FOL AND REINFORCED WITH GLASS FIBERS; CONFORMING TO ASTM C 1136 TYPE 1; VAPOR RETARDER; WITH A SELF-SEALING ADHESIVE. VERIFY THAT PIPING HAS BEEN TESTED, SURFACES ARE CLEAN AND DRY, AND ALL FOREIGN MATERIALS ARE REMOVED BEFORE APPLYING INSULATION MATERIALS. INSULATION SHALL BE BY MINAF, HANWELL, JONS-MANVILLE, OR OBERG-CORNING.
- 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 91. ALL INSULATION SHALL BE LOW-EMITTING WITH NOT GREATER THAN 0.05 PPM FORMALDEHYDE EMISSIONS. 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.
- THE PC SHALL BE RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM AS DESCRIBED BY THESE PLANS AND SPECIFICATIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED AT THE APPROVED SITE. THE PC SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM BREAKE, THEFT, AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE PC UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.
- ALL MATERIALS USED SHALL BE NEW AND FREE OF DEFECTS. ANY MATERIALS FOUND TO BE DEFECTIVE SHALL BE REPLACED AT NO EXPENSE TO THE OWNER. ALL MATERIALS AND EQUIPMENT SHALL BEAR APPROVAL FROM UL OR AN APPROVED THIRD PARTY AGENCY, WHERE A MANUFACTURER AND MODEL NUMBER IS GIVEN, IT IS TO ESTABLISH A STANDARD OF QUALITY AND NOT TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DETERMINED TO BE EQUAL BY THE ENGINEER WILL BE ACCEPTED.
- THE PLUMBING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 NORTH CAROLINA PLUMBING CODE AND ANY APPLICABLE LOCAL CODES. WHERE A CONFLICT EXISTS BETWEEN THE ABOVE REQUIREMENTS, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ENGINEER OR IN THE EVENT ANY OF THESE PLANS CONFLICTS WITH THE ABOVE REQUIREMENTS.
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- THE PC SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS OF RATED FLOOR/Ceiling ASSEMBLIES AND RATED WALL ASSEMBLIES TO PRESERVE OR RESTORE THE FIRE RESISTANCE RATING. SEAL ALL PENETRATIONS USING A UL LISTED SYSTEM FOUND IN THE UL DIRECTORY SPECIFIC TO THE UL LISTING OF THE ASSEMBLY BEING PENETRATED. SEE ARCHITECTURAL PLANS FOR UL RATED ASSEMBLIES TO THE PROJECT.
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- AT THE COMPLETION OF WORK AND PRIOR TO ACCEPTANCE BY OWNER, THE PC SHALL CLEAN ALL EXPOSED FIXTURES, MATERIALS, AND EQUIPMENT UNDER THIS CONTRACT.
- PC SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE ALL APPLICABLE CONSTRUCTION WASTE IS RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT.

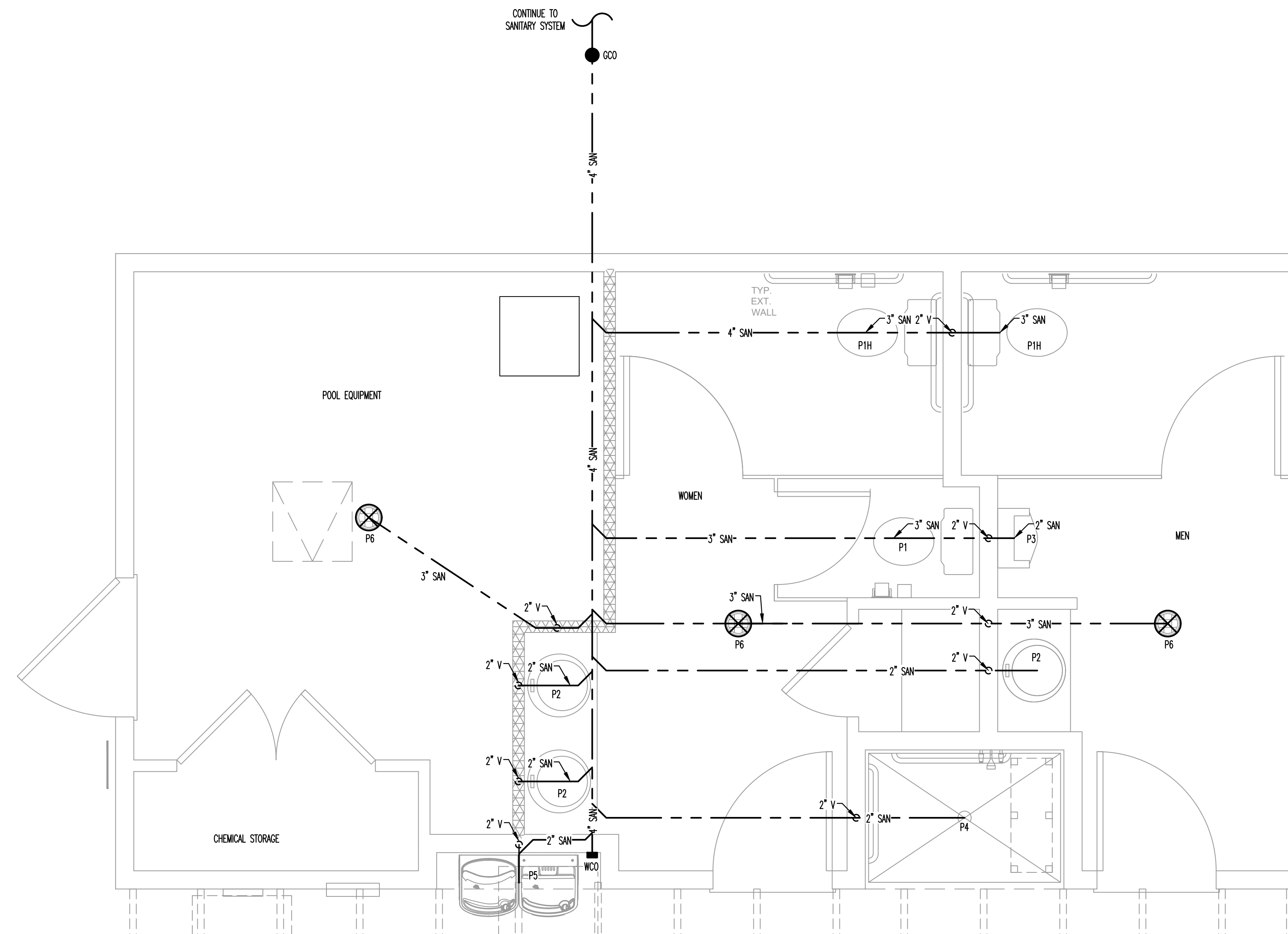
METHODS:

- EXTEND DOMESTIC WATER PIPE FROM FIVE (5) FEET OUTSIDE THE BUILDING INTO THE BUILDING AS INDICATED ON THE PLANS AND INSTALL DOMESTIC WATER DISTRIBUTION PIPING TO ALL FIXTURES AND EQUIPMENT REQUIRING THE SAME. WATER SERVICE PIPE AND THE BUILDING SEWER SHALL BE SEPARATED BY 5 FEET OF UNDISTURBED OR COMPACTED EARTH IN ACCORDANCE WITH 803.2. PROVIDE ALL FITTINGS, VALVES, AND OTHER ACCESSORIES AS NECESSARY FOR A COMPLETE INSTALLATION. ALL DOMESTIC WATER PIPING SHALL BE CONCEALED IN FINISHED AREAS, ANY OPEN ENDS SHALL BE PROTECTED UNTIL FINAL CONNECTIONS ARE MADE.
- ABOVE GRADE DOMESTIC WATER PIPING SHALL BE SLOPED AT A MINIMUM OF 1/32 INCH PER FOOT AND ARRANGED TO DRAIN AT LOW POINTS. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE JOINTS OR CONNECTED EQUIPMENT. ROUTE PIPING IN AN ORDERLY MANNER-PARALLEL, OR PERPENDICULAR TO WALLS WHEN POSSIBLE-AND MAINTAIN GRAFIENT. EACH SUPPLY BRANCH LINE SERVING MORE THAN ONE FIXTURE SHALL HAVE A SHUTOFF VALVE INSTALLED TO ISOLATE ALL FIXTURES AND PIECES OF EQUIPMENT SUPPLIED BY THE BRANCH LINE. THE SHUTOFF VALVE SHALL BE LABELED AND LOCATED AS CLOSE AS POSSIBLE TO THE CONNECTION TO THE SUPPLY MAIN AND ASER AS POSSIBLE. PROVIDE A FULL-OPEN VALVE ON THE BASE OF EVERY WATER RISER PIPE AND ON THE TOP OF EVERY WATER DOWN-FEED PIPE. PROVIDE VALVE HANDLE EXTENSIONS AS NECESSARY FOR INSULATION.
- IT SHALL BE THE RESPONSIBILITY OF THE PC TO SUSPEND AND SUPPORT ALL PIPING SYSTEMS FOLLOWING RECOGNIZED ENGINEERING PRACTICES AND USING STANDARD, COMMERCIALY ACCEPTED PIPE HANGERS AND SUSPENSION EQUIPMENT. ALL FIXTURES, DEVICES, AND 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 FIXTURE OR 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 AND PIPING SUPPORT. HANGERS SHALL NOT BE ATTACHED TO CORRUGATED STEEL DECKING. USE STEEL HANGERS FOR STEEL AND PLASTIC PIPE AND COPPER OR COPPER-PLATED HANGERS FOR COPPER PIPE. PROVIDE PROTECTION FOR COPPER PIPING IN CONTACT WITH DISSIMILAR METALS. WHERE COPPER PIPING IS SUPPORTED ON HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTROLYTIC ISOLATION MATERIAL TO PREVENT CONTACT WITH OTHER METALS. IN GENERAL, HANGERS SHALL BE CEILING TYPE, STANDARD WEIGHT. FOR PIPING, HANGER SPACING SHALL BE IN ACCORDANCE WITH TABLE 3308.5 OF THE NC PLUMBING CODE. HANGERS AND ACCESSORIES SHALL BE GRINNEL, WATSON, OR B-LINE.
- SLEEVE ALL PIPES PASSING THROUGH PARTITIONS, WALLS, AND FLOORS. SLEEVES IN FLOORS AND INTERIOR WALLS OF POURED IN PLACE CONCRETE, BRICK, TILE, OR MASONRY SHALL BE SCHEDULE 40 STEEL PIPE, MACHINE CUT, SLEEVES IN GYPSUM BOARD WALLS SHALL BE 22 GAUGE, ROLLED GALVANIZED SHEET METAL. TACK WELD ON THE LONGITUDINAL SEAM. PROVIDE SLEEVES WHERE PIPES PASS THROUGH FLOORS AND WALLS ABOVE AND BELOW CEILING. PROVIDE SPLIT PIPE SLEEVES IN NEW WALLS BUILT UP AROUND EXISTING PIPES. TACK WELDED SPLIT SLEEVES TOGETHER. SLEEVES IN WALLS SHALL BE INSTALLED INSIDE THE WALL. SLEEVES IN FLOORS SHALL EXTEND 3/4 INCH ABOVE THE FLOOR EXCEPT THEY SHALL BE FLUSH FOR 2 HOUR RATED FLOORS-AND SHALL BE FLUSH WITH THE STRUCTURE BELOW. EACH SLEEVE SHALL HAVE AN INSIDE DIAMETER 1 INCH LARGER THAN THE OUTSIDE DIAMETER OF THE COVERING OF EACH COVERED PIPE TO ALLOW CONTINUOUS INSULATION-BUT NOT LESS THAN TWO PIPE SIZES LARGER THAN EACH UNCOVERED. ANNUAL SPACES BETWEEN SLEEVES AND PIPES SHALL BE FILLED OR CAULKED IN AN APPROVED MANNER.
- THE TOP OF WATER PIPES INSTALLED BELOW GRADE OUTSIDE THE BUILDING SHALL BE BELOW THE FROST LINE OR A MINIMUM OF 12 INCHES BELOW FINISHED GRADE WHOEVER IS GREATER. WATER PIPING INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL. INSULATION. WATER PIPING INSTALLED IN AN UNCONDITIONED UTILITY ROOM OR UNCONDITIONED ATTIC SHALL BE INSULATED TO A MINIMUM OF R6.5 DETERMINED IN ACCORDANCE WITH ASTM C 177.
- HOT WATER PROVIDED TO PUBLIC HAND-WASHING FACILITIES/LAVATORIES SHALL BE TEMPERED WATER DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1020 OR CSA B125.3.
- INSULATE ALL EXPOSED WASTE AND SUPPLY PIPING UNDER LAVATORIES, SINKS, AND ELECTRIC WATER COOLERS WITH THE HAND-LAY GUARD INSULATION KIT BY TRUEBRO OR EQUAL.
- POTABLE WATER OUTLETS SHALL BE PROTECTED FROM BACKFLOW IN ACCORDANCE WITH 808.15. PRESSURE TYPE VACUUM BREAKERS SHALL CONFORM TO ASSE 1020 AND SPLIT-ORF VACUUM BREAKERS SHALL CONFORM WITH ASSE 1056. HOSE-CONNECTION VACUUM BREAKERS SHALL CONFORM TO ASSE 1011, ASSE 1019, ASSE 1035, OR ASSE 1052. CONNECTIONS TO BEVERAGE DISPENSERS, COFFEE MACHINES, AND NON-CARBONATED BEVERAGE DISPENSERS SHALL BE PROTECTED BY A BACKFLOW PREVENTER IN ACCORDANCE WITH ASSE 1022.
- THE PC SHALL INSTALL WATER HAMMER ARRESTORS ON BRANCH LINES WITH QUICK CLOSING VALVES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
- THE PC SHALL PROVIDE CHECK VALVES AT ALL FIXTURES WITH THREADED OUTLETS AS REQUIRED BY CODE. TRAP PRIMERS SHALL BE PROVIDED AS SHOWN ON THE PLANS OR AS REQUIRED.
- ADJUST STOPS AND VALVES FOR INTENDED FLOW RATE TO FIXTURES WITHOUT SPLASHING, NOISE, OR OVERFLOW.
- BEFORE COMMENCING WORK, CHECK INVERT ELEVATIONS REQUIRED FOR SEWER CONNECTIONS, CONFRM INVERTS, AND VERIFY THESE CAN BE PROPERLY CONNECTED TO WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING. ONCE INVERTS AND FALL HAVE BEEN ESTABLISHED, EXTEND SANITARY SEWER PIPING TO 5 FEET OUTSIDE THE BUILDING AND INSTALL ALL DRAINS, STACKS, VENTS, FLOOR DRAINS, AND CLEANOUTS NECESSARY FOR A COMPLETE INSTALLATION.
- ALL SANITARY SEWER PIPING IS BELOW GRADE OR WITHIN WALLS UNLESS OTHERWISE NOTED. ALL SANITARY VENT PIPING IS ABOVE THE CEILING OR WITHIN WALLS UNLESS OTHERWISE NOTED. SOIL AND WASTE PIPING SHALL BE INSTALLED TO PROVIDE PROTECTION AGAINST FREEZING PER 305.4.1. WASTE AND SOIL LINES LEAVING THE BUILDING MUST HAVE A MINIMUM COVER OF 3 INCHES.
- SOIL AND WASTE LINES 2-1/2 INCHES AND SMALLER SHALL BE SLOPED AT 1/4 INCH PER FOOT MINIMUM. SOIL AND WASTE LINES 3 INCHES TO 6 INCHES IN DIAMETER SHALL BE SLOPED AT 1/8 INCH PER FOOT MINIMUM.
- FOR WATER CLOSET WASTE CONNECTIONS, A 4 INCH BY 3 INCH CLOSET BEND SHALL BE ACCEPTABLE. WHERE A 4 INCH BEND IS UTILIZED ON WATER CLOSETS, A 4 INCH BY 3 INCH FLANGE SHALL BE INSTALLED TO RECEIVE THE FIXTURE HORN.
- FOR PLASTIC PIPE SIZES GREATER THAN 6 INCHES, AND OTHER PIPE SIZES GREATER THAN 4 INCHES, RESTRIANTS SHALL BE PROVIDED FOR DRAIN PIPES AT ALL CHANGES IN DIRECTION AND AT ALL CHANGES IN DIAMETER GREATER THAN TWO PIPE SIZES. BRASSES, BLOCKS, RODDING, BACKFILL AND OTHER SUITABLE METHODS AS SPECIFIED BY THE MANUFACTURER SHALL BE UTILIZED.
- BASES OF STACKS SHALL BE SUPPORTED BY THE BUILDING STRUCTURE, VIRGIN OR COMPACTED EARTH, OR OTHER SUITABLE MATERIAL TO SUPPORT THE WEIGHT OF THE PIPING.
- HORIZONTAL DRAIN PIPES SHALL HAVE CLEANOUTS IN ACCORDANCE WITH 708.10. EXTEND CLEANOUTS TO FINISHED FLOOR OR WALL SURFACE. LUBRICATE THREADED CLEANOUT PLUGS WITH A MIXTURE OF GRAPHITE AND LINEDSD OIL. ENSURE CLEARANCE AT ALL CLEANOUTS FOR RODDING OF DRAINAGE SYSTEM. INSTALL FLOOR CLEANOUTS AT AN ELEVATION TO ACCOMMODATE FINISHED FLOOR. EVERY CLEANOUT SHALL BE INSTALLED TO ALLOW CLEANING IN THE DIRECTION OF FLOW OF THE DRAINAGE PIPE OR AT RIGHT ANGLES THERETO. CLEANOUTS ON 6 INCH AND SMALLER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 18 INCHES FOR RODDING.
- DRAINAGE PIPING FOR FIXTURES SHALL TERMINATE WITH AN APPROVED CAP OR PLUG.
- AMBIANCE VALVES SHALL BE INSTALLED AFTER THE DWI TESTING REQUIRED BY SECTIONS 312.2 AND 312.3. PROVIDE ACCESS TO ALL AIR AMBIANCE VALVES SHALL CONFORM TO SECTION 918 OF THE NC PLUMBING CODE. AIR AMBIANCE VALVES SHALL CONFORM TO ASSE 1050 OR 1051.
- INDIRECT WASTE PIPING THAT EXCEEDS 2 FEET IN DEVELOPED LENGTH MEASURED HORIZONTALLY, OR 4 FEET IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED. THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOODED LEVEL OF THE WASTE RECEPTOR SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.
- THE PC SHALL PROVIDE UNIONS FOR DISASSEMBLY AND SERVICE OF ALL FIXTURES AND OTHER RELEVANT PLUMBING EQUIPMENT. UNIONS SHALL BE GROUND-JOINT WITH BRASS SEAL. PROVIDE INSULATING UNIONS AT EACH JOINTION OF DISSIMILAR MATERIALS.
- THE PC SHALL ACCURATELY ROUGH-IN ALL FIXTURES ACCORDING TO MANUFACTURER'S INSTALLATION DIMENSIONS AND INSTRUCTIONS. OFFSET ADAPTERS AND FLEXIBLE CONNECTORS ARE NOT ACCEPTABLE. FLUSH HANDLES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS FOR ADA COMPLIANCE. INSTALL EACH FIXTURE WITH TRAP EASILY REMOVABLE FOR SERVICING AND CLEANING. SEAL FIXTURES TO WALL AND FLOOR SURFACES WITH SEALANT. SOLIDLY ATTACH WATER CLOSETS TO FLOOR WITH LAG SCREWS. SEAL ALL SELF-RIMMING LAVATORIES AND SINKS (VITREOUS CHINA AND STAINLESS STEEL) WITH A COMMERCIAL GRADE PLUMBER'S PUTTY OR ACRYLIC LATEX CAULK APPLIED TO THE UNDERSIDE OF THE FIXTURE. RIM A GENEROUS AMOUNT SO THAT WHEN FIXTURE IS SET, SEALANT MIGHT Ooze OUT.
- ALL VENT THRU THE ROOF (VTR) PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PC SHALL PROVIDE FLASHING MATERIAL REQUIRED FOR VTR. JOINTS AT THE ROOF AND AROUND VENT PIPES SHALL BE MADE WATER TIGHT BY THE USE OF LEAD, COPPER, GALVANIZED STEEL, ALUMINUM, OR OTHER APPROVED FLASHINGS OR FLASHING MATERIAL. MAINTAIN MINIMUM 10 FEET FROM ALL OUTSIDE AIR INTAKES.
- INSTALL FULL OPEN VALVES PER NC PLUMBING CODE 606.1 ON THE MAIN WATER LINE INTO THE BUILDING. INSTALL CUT OFF VALVES PER NC PC 606.2.

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CAPE OVERLOOK POOL HOUSE
 NEW CONSTRUCTION
 ILLINOIS ENGINEERING CORPORATION
 ILLINOIS, INC.

DRAWN BY: BSL
 CHECKED BY: MWM/REW
 PLUMBING NOTES
 SHEET NO. P1
 PROJECT NO: 240602



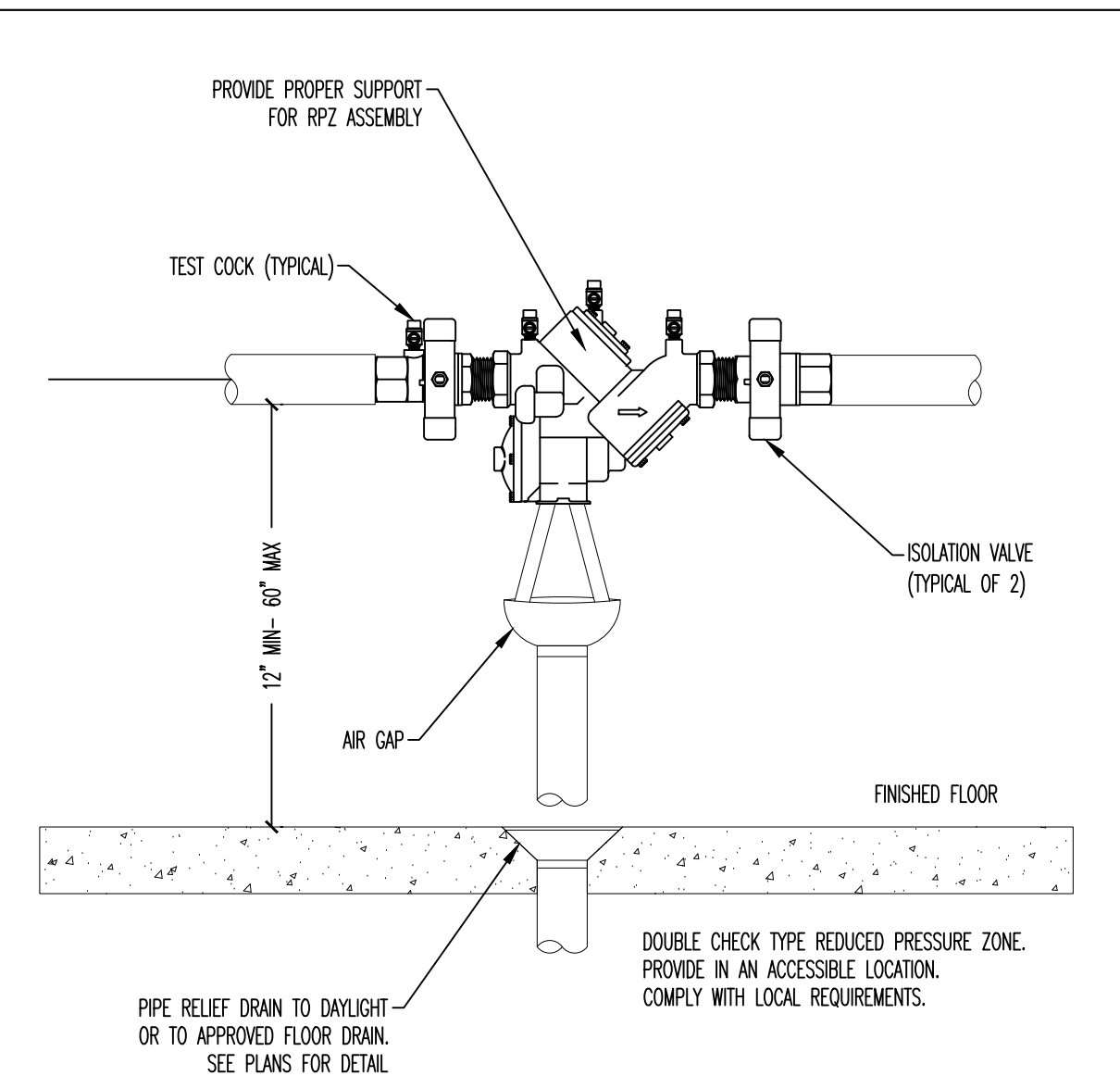
SANITARY PLAN - SCALE: 1/2" = 1' 1

DO NOT TAP WATER LINE AHEAD OF RPZ.

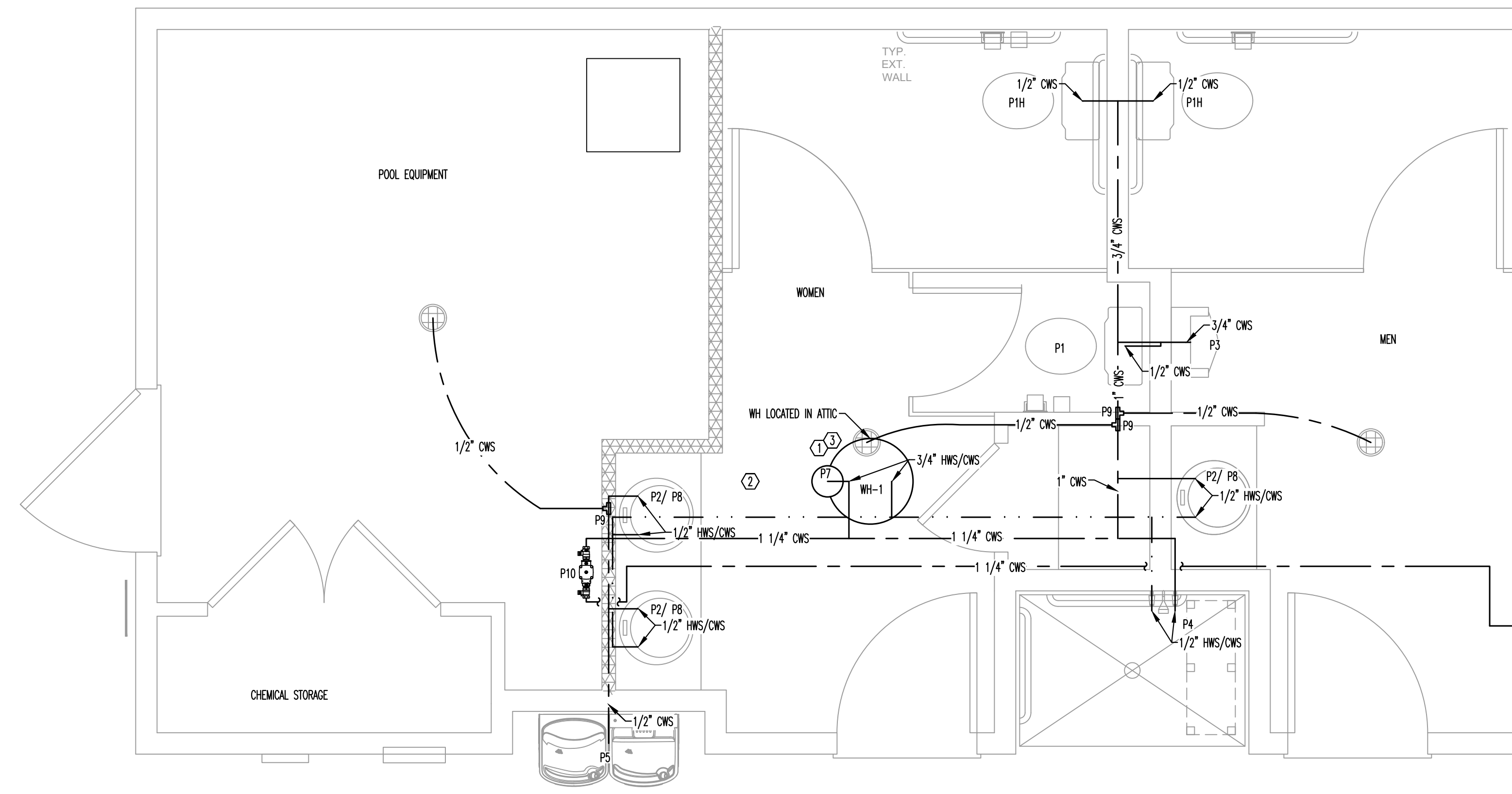
ALL REQUIRED VALVES NOT SHOWN.
 INSTALL FULL OPEN VALVES PER 2018 PC CODE 606.1.5 AND 606.1.8
 INSTALL SHUT OFF VALVES PER 2018 NC PLUMBING CODE 606.2 AND 606.2.1

DOMESTIC SUPPLY PLAN HEX NOTES

1. WATER HEATER LOCATED IN UNCONDITIONED AND UN-INSULATED ATTIC SPACE. WATER HEATED TO BE COMPLETELY DRAINED AT END OF POOL SEASON.
2. ALL SUPPLY LINES TO PLUMBING FIXTURES INCLUDING HOSE BIBS TO BE DRAINED AT END OF POOL SEASON. THIS DOES NOT INCLUDE POOL EQUIPMENT.
3. WATER HEATER TO BE WINTERIZED YEARLY, OTHERWISE WATER HEATER TO BE INSTALLED IN POOL EQUIPMENT ROOM WITH UNIT HEATER.



RPZ DETAIL - NO SCALE 2



DOMESTIC SUPPLY PLAN - SCALE: 1/2" = 1' 3

REVISION:

ISSUED:

MARK	MFG	MODEL #	LOCATION	TYPE	WATTS	AIRFLOW	VOLTS/Ø	WEIGHT	NOTES
UH-1	DMARK	MUR36	POOLHOUSE EQUIPMENT	WALL MOUNTED	5,000	210 CFM	240/1	22	1, 2

1. PROVIDE WITH WALL/CLG. MOUNTING BRACKET.
2. OR EQUAL BY MARKEL, RAYWALL, OR MODINE.

MARK	MFG / MODEL #	AIR FLOW	HEATER	VOLT/PH	FLA	HDCP	NOTES
CHW-1,2	DMARK / CWH3404F	100 CFM	4 KW	240/1Ø	16.7 A	20.0 A	1-4

1. BUILT-IN THERMOSTAT.
2. BUILT-IN DISCONNECT SWITCH.
3. PROVIDE WITH SURFACE MOUNTING SLEEVE KIT.
4. PROVIDE WITH 14-GAUGE SECURITY FRONT COVER, WHITE.

MARK	MFG	MODEL #	SIZE	MOUNTING	DESCRIPTION	NOTES
E	HART & COOLEY	RH90	12X12	SURFACE	HEAVY DUTY ALUMINUM EXHAUST GRILLE. SATIN ANODIZED FINISH.	1

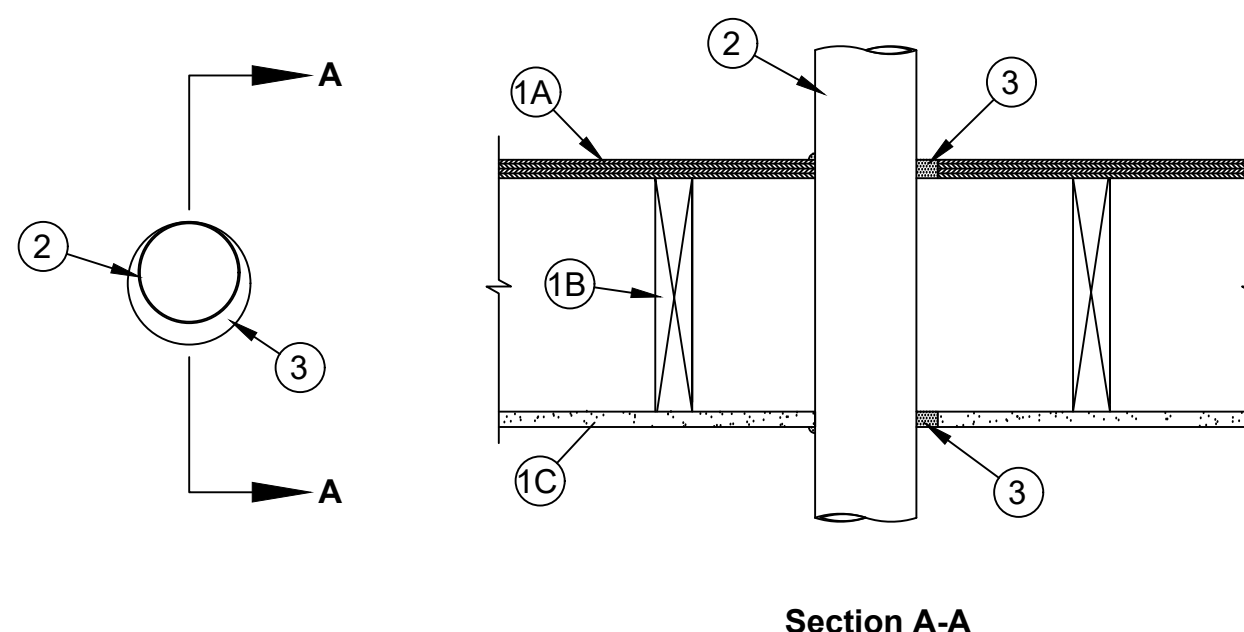
1. OR EQUAL BY PRICE, METAL-AIRE, CARNES, TITUS OR WALLOR.

MARK	MFG / MODEL #	TYPE	ESP (1 in. WG)	CFM	VOLT/PH	FLA	SDNES	NOTES
EF-1,2	GREENHECK SP-A200	CEILING	0.40	179	120/1	0.43	3.0	1-3
EF-3	FANTECH PRIDAR 6 EC	INLINE	0.25	409	120/1	1	-	1-4

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 PENNBERRY OF TWIN CITY.
4. MC TO INSTALL EF-4 ROOF CAP ON FRONT SIDE OF ROOF AWAY FROM POOL DECK AREA.

Classified by Underwriters Laboratories, Inc. to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115
System No. F-C-1074

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 Hr and 2 Hr (See Item 1)	F Ratings - 1 Hr and 2 Hr (See Item 1)
T Ratings - 1/4, 1/2 and 1 Hr (See Item 2)	FT Ratings - 1/4, 1/2 and 1 Hr (See Item 2)
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Ratings - 1 Hr and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/sq ft	FTH Ratings - 1/4, 1/2 and 1 Hr (See Item 2)
	L Rating At Ambient - Less Than 5.1 L/s/m ²
	L Rating At 400 F - Less Than 5.1 L/s/m ²



1. Floor - Ceiling Assembly - The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Designs in the UL Fire Resistance Directory. The 2 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design Nos. L505, L511 or L536 in the UL Fire Resistance Directory. The F and FH Ratings of the firestop system are equal to the fire rating of the floor-ceiling assembly. The general construction features of the floor assembly are summarized below:
 - A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture" as specified in the individual Floor-Ceiling Design. Diam of opening to be max 1 in. (25 mm) larger than diam of pipe. As an alternate, the opening may be square-cut with a max dimension 1 in. (25 mm) greater than the diam of the pipe.
 - B. Wood Joists - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members" with bridging as required and with ends firestopped.
 - C. Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Floor-Ceiling Design. Diam of opening to be max 1 in. (25 mm) greater than diam of pipe.
 - D. Furring Channel - (Not Shown) - In 2 hr fire-rated assemblies, resilient galv steel furring channels installed perpendicular to wood joists between base and face layers of gypsum board (Item C). Furring channels spaced max 24 in. (610 mm) OC with additional short lengths of furring channel installed adjacent to and max 3 in. (76 mm) from two opposing sides of penetrant.

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 UL US F-C-1074 PAGE OF 2

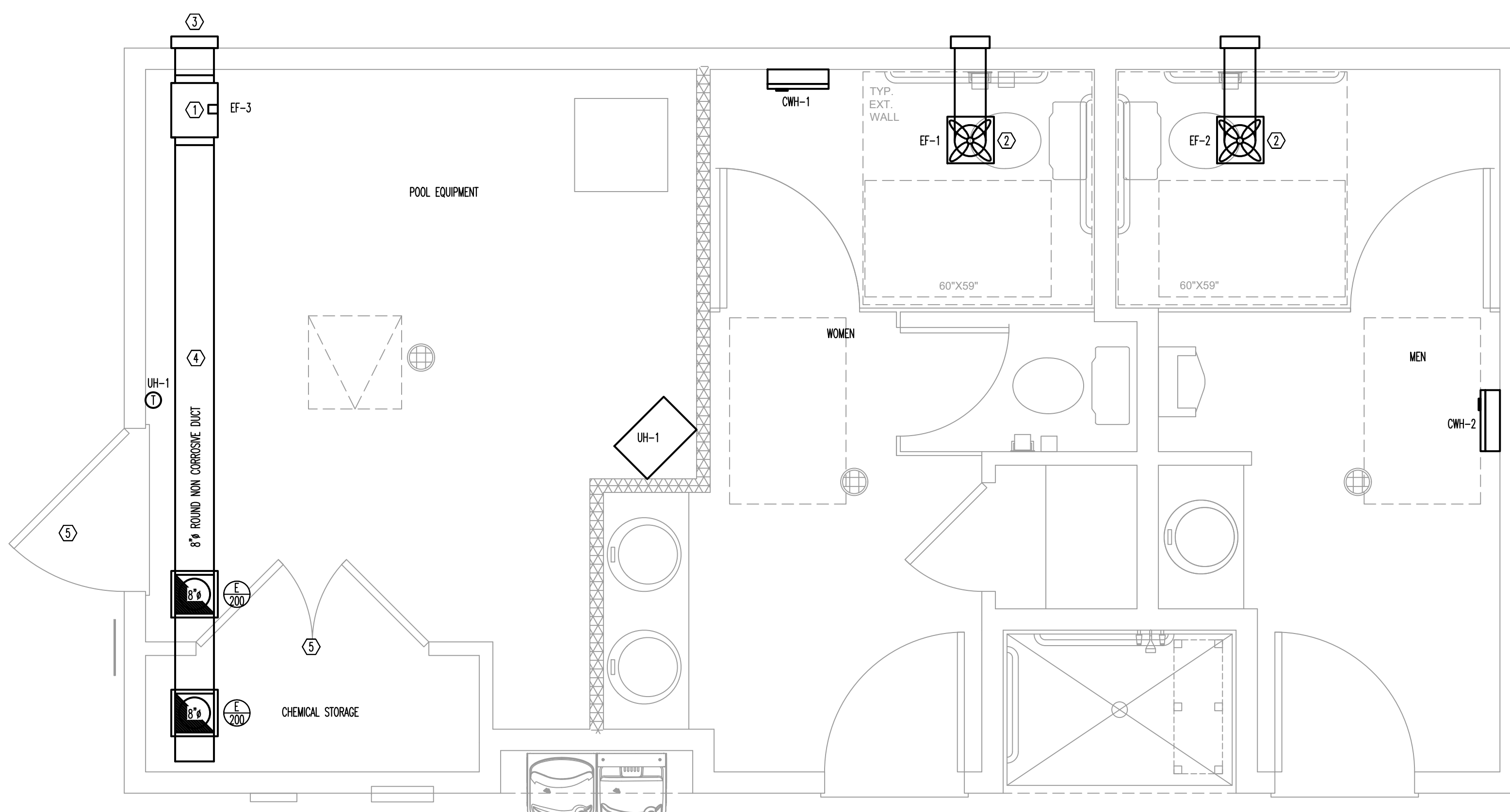
FIRE RATED WALL DETAIL 2

MECHANICAL SCHEDULE & DESIGNER'S STATEMENT 1

HEX PLAN NOTES

1. MC TO INSTALL CORROSION RESISTANT INLINE PLASTIC DUCT FAN IN ATTIC SPACE. MC TO CONNECT 8" DUCT FROM EXHAUST GRILLE IN CHEMICAL ROOM AND POOL EQUIPMENT ROOM TO MAIN 10" EXHAUST DUCT TO INLINE FAN. EXHAUST DUCT TO TERMINATE AT ROOF CAP LOCATED ON THE FRONT SIDE OF ROOF, AWAY FROM POOL DECK.
2. 8"Ø FROM RESTROOM EXHAUST FAN TO EXTERIOR WALL. MC TO TERMINATE WITH HOODED WALL CAP. EXHAUST FAN TO BE CONTROLLED BY LIGHT OCCUPANCY SENSOR.
3. TERMINATE WITH HOODED WALL CAP. MC TO VERIFY A MINIMUM OF 3 FT FROM ANY OPERABLE OPENING.
4. DUCT WORK TO BE MADE OUT OF A NON CORROSIVE MATERIAL. DUCTWORK TO BE MOUNTED AT CEILING HEIGHT.
5. 18"X18" LOUVER TO BE INSTALLED IN DOOR. MC TO COORDINATE WITH GC.

XXXXXXXXXX - 1 HOUR RATED WALLS



MECHANICAL PLAN - SCALE: 1/2" = 1' | 3

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, AHJ - AUTHORITY HAVING JURISDICTION.
2. "PROVIDE" MEANS TO FURNISH AND INSTALL. MC SHALL ALSO INSTALL MATERIALS FURNISHED BY OTHERS AND GENERAL CONTRACTOR 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 BREAKAGE, THEFT, 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. DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
7. 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.
8. 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.
9. 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 ALL BENDS, 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.
10. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER CONNECTIONS TO THE MECHANICAL EQUIPMENT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING.
11. 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.
12. MC SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR REGARDING THE ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT BEING PROVIDED.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. MC SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE ALL APPLICABLE CONSTRUCTION WASTE IS RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT.

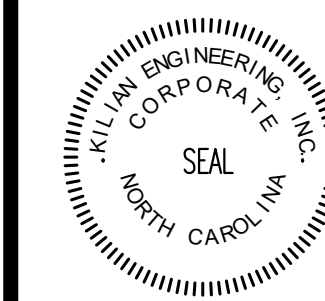
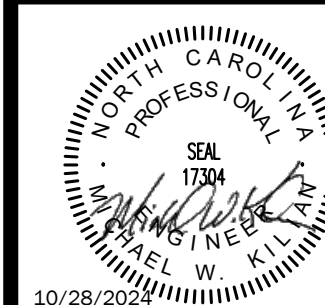
1. INSULATE DUCTWORK WITH FIBERGLASS DUCT WRAP. INSTALLED R-VALUE SHALL BE A MINIMUM R-6. CONDENSATES INCLUDING ADHESIVES WHEN USED, SHALL HAVE A FLAME SPREAD INDEX MORE THAN 75 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL NEW DUCTWORK SHALL RECEIVE INSULATION ON THE OUTSIDE. INSTALL DUCT WRAP INSULATION WITH INSULATION OVER SO THAT TAPE FLAP OVERLAPS INSULATION AND FACING OF ADJACENT PIECE OF DUCT WRAP INSULATION SHALL BE TIGHTLY BUTTED. FOR RECTANGULAR DUCTS, INSTALL SO INSULATION IS NOT EXCESSIVELY COMPRESSED AT DUCT CORNERS. SEAL 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 CORNERS 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. DUCTS CONNECTING TO A FURNACE SHALL HAVE A CLEARANCE TO COMBUSTIBLES IN ACCORDANCE WITH THE FURNACE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. FOR STRUCTURES IN FLOOD HAZARD AREAS, DUCTS SHALL BE LOCATED ABOVE THE DESIGN FLOOD ELEVATION. DUCT SHALL NOT BE INSTALLED IN OR WITHIN 4 INCHES OF THE EARTH.
6. PROVIDE DUCT ACCESS DOORS FOR INSPECTION AND CLEANING BEFORE AND AFTER FILTERS, COILS, FANS, AUTOMATIC DAMPERS, AT FIRE DAMPERS, COMBINATION FIRE AND SMOKE DAMPERS.
7. CONSTRUCT T's, BENDS, AND ELBOWS WITH RADI 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.
8. INCREASE DUCT SIZES PROGRESSIVELY NOT EXCEEDING 15 DEGREES CONVERGENCE; MAXIMUM OF 30 DEGREES DIVERGENCE UPSTREAM OF EQUIPMENT AND 45 DEGREES CONVERGENCE DOWNSTREAM.
9. 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, ORDERS, AND BEAMS. THE BOTTOM CHORD IS NOT TO BE USED FOR EQUIPMENT OR PIPING SUPPORT. HANGERS SHALL NOT BE ATTACHED TO CORRUGATED STEEL DECKING.
10. 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, ORDERS, OR BEAMS.
11. 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.
12. 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.
13. 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. THE 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 RETURN DAMPERS AND THERMAL BLANKETS FOR ALL PENETRATIONS OF RATED CEILING ASSEMBLIES. RADATION DAMPERS SHALL BE UL LABELED (UL 555) AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS. FIRE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, AND CEILING RADATION DAMPERS SHALL BE BY RUSKIN, NALOR, OR LLOYD INDUSTRIES.
14. 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 4043.2.4 OF THE 2018 NORTH CAROLINA ENERGY CONSERVATION CODE.
15. 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.
16. 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.
17. INSTALL BACKDRAFT DAMPERS ON FRESH AIR AND EXHAUST DUCTS WHERE THEY PENETRATE THE THERMAL ENVELOPE PER NORTH CAROLINA ENERGY CONSERVATION CODE 4042.5.5

MATERIALS:

1. THE MC SHALL PROVIDE ALL EXHAUST 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 PENNBERRY. 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 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.
4. DUCT LINER MAY BE SUBSTITUTED FOR EXTERIOR DUCT WRAP. DUCT LINER INSULATION MATERIALS SHALL MEET THE REQUIREMENTS OF ASTM C 1071, AND ASTM G 21. EXTERIOR DUCT R-VALUE SHALL BE R-8 AND INTERIOR R-VALUE SHALL BE R-6 IN ACCORDANCE WITH THE 2018 NORTH CAROLINA ENERGY CONSERVATION CODE. NOMINAL DUCT SIZES SHALL BE ADJUSTED AS NECESSARY SO THAT FREE AREA DIMENSIONS ARE PRESERVED AS SHOWN ON THE PLANS. FABRICATION AND INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS AND TO THE REQUIREMENTS OF THE LATEST EDITION OF THE NORTH AMERICAN INSULATION MANUFACTURERS ASSOCIATION FIBROUS GLASS DUCT LINER STANDARDS AND/OR SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCT LINER SHALL HAVE A BLACK PIGMENTED MAT ON THE AIRSTREAM SIDE TO RESIST DAMAGING DURING INSTALLATION AND SERVICE. EDGES SHALL BE FACTORY COATED WITH BLACK PIGMENTED COATING TO COMPLY WITH SMACNA DCS REQUIREMENTS. ALL PORTIONS OF DUCT DESIGNATED TO RECEIVE DUCT LINER SHALL BE COMPLETELY COVERED WITH DUCT LINER. TRANSVERSE JOINTS SHALL BE NEATLY BUTTED AND THERE SHALL BE NO INTERRUPTIONS OR GAPS. THE BLACK PIGMENTED OR MAT FACED SURFACES SHALL FACE THE AIRSTREAM. DUCT LINER SHALL BE ADHERED TO THE SHEET METAL WITH 90 PERCENT COVERAGE OF ADHESIVE COMPLYING WITH REQUIREMENTS OF ASTM C 916. ALL EXPOSED LEADING EDGES AND TRANSVERSE JOINTS SHALL BE FACTORY COATED OR COATED WITH ADHESIVE DURING FABRICATION. DUCT LINER SHALL BE ADDITIONALLY SECURED WITH MECHANICAL FASTENERS, EITHER WELD-SECURED OR IMPACT DRIVEN, WHICH SHALL COMPRESS THE DUCT LINER SUFFICIENTLY TO HOLD IT FIRMLY IN PLACE. ADHESIVE BONDED PINS ARE NOT PERMITTED DUE TO LONG-TERM ADHESIVE AGING CHARACTERISTICS. LININGS SHALL BE INTERRUPTED AT THE AREA OF OPERATION OF A FIRE DAMPER AND AT A MINIMUM OF 6 INCHES UPSTREAM AND 6 INCHES DOWNSTREAM OF ELECTRIC RESISTANCE AND FUEL-BURNING HEATERS IN A DUCT SYSTEM. METAL NOSINGS

MECHANICAL NOTES 4

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CAPE OVERLOOK POOL HOUSE
 CONSTRUCTION
 LILLINGTON, NC

REVISION:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION

DRAWN BY: BSL
 CHECKED BY: MMW/REW
 MECHANICAL PLAN

SHEET NO. **M1**

LIGHT FIXTURE SCHEDULE										
MARK	DESCRIPTION	LAMP		VOLTAGE	INPUT WATTAGE	MOUNTING	REMARKS	MFG	MODEL	
		TYPE	WATT							
A	4' WRAP LED	ACRYLIC	LED	3500K	120	32	SURFACE	2	LITHONIA	LBL4-4000LM-00CR1 35K NODIM HVOLT
DE	EXTERIOR (COVER DOOR) LED EMERGENCY LIGHT	POLYCARBONATE	LED	4000K	120	15.32	WALL	1	LITHONIA	AFB PEL DHDGK VOLT N SRT VT CW
EHL	LED EXIT/EMERGENCY COMBO	ACRYLIC	LED	N/A	120	2	VARIABLE	1,2	ELFP	XC-LED-2-R-V-S-D
EM	DUAL HEAD EMERGENCY FIXTURE	ACRYLIC	LED	N/A	120	2	VARIABLE	1,2	LITHONIA	EMLM-SORT

1. FIXTURE SHALL HAVE BATTERY BACKUP FOR 90 MINUTE ILLUMINATION.
2. OR EQUAL BY COOPER, MOEBEN, OR CURRENT BY GE LIGHTING OR HUBBELL LIGHTING

LIGHTING DEVICE LEGEND		
SYMBOL	DESCRIPTION	REMARKS
⚡	SINGLE POLE WALL SWITCH	HEAVY DUTY, AC ONLY, COMMERCIAL GRADE GENERAL USE SNAP SWITCH COMPLYING WITH NEMA WD 6 AND WD 1. IVORY PLASTIC BODY WITH TOGGLE HANDLE. 120-277V, 20A. MEET FEDERAL SPECIFICATION W-5-996.
⚡	LOW VOLTAGE SWITCH	WATSTOPPER LV-1 LOW VOLTAGE MOMENTARY CONTROL SWITCH.
⊙	CEILING OCCUPANCY SENSOR	WATSTOPPER, DT-300 LOW VOLTAGE OCCUPANCY SENSOR. 360° ULTRA SONIC AND INFRARED.
⊕	POWER PACK	WATSTOPPER, BZ-150 LOW VOLTAGE POWER PACK FOR CEILING PACK SENSORS.
⊘	EXHAUST FAN	VENT FAN, 120V, CFM AS NOTED MC TO PROVIDE AND VENT, EC TO WIRE.

POWER DEVICE LEGEND		
SYMBOL	DESCRIPTION	REMARKS
▶	DATA AND TELEPHONE JACK	PHONE/DATA OUTLET. EC TO INSTALL 3/4" X 3/4" WITH PULL-STRING FROM OUTLET BOX TO ABOVE CEILING FOR FUTURE USE. JACKS AND COMMUNICATION CABLING BY OTHERS.
⊕	DUPLEX RECEPTACLE	NEMA 5-20R, HEAVY DUTY, COMMERCIAL GRADE, 125V, 20A COMPLYING WITH NEMA WD 6 AND WD 1. GFCI OR AFCI IF NOTED. 1/2" IP DENOTES WEATHERPROOF COVER. 1/2" IP DENOTES COUNTER HEIGHT. LISTED WEATHERPROOF IF NOTED. MEET FEDERAL SPECIFICATION W-5-996.
⊕	DISCONNECT SWITCH	HEAVY DUTY TYPE, TYPE 1 ENCLOSURE IN INTERIOR APPLICATIONS, TYPE 3R ENCLOSURE IN EXTERIOR APPLICATIONS.
Ⓛ	JUNCTION BOX	GALVANIZED METAL BOX CONSTRUCTED IN ACCORDANCE WITH 314.4 OF THE NEC.

ELECTRICAL DESIGNER'S STATEMENT			
ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE			
PREScriptive X, PERFORMANCE ____ ENERGY COST BUDGET ____			
LIGHTING SCHEDULE:			
LAMP TYPE REQUIRED IN FIXTURE:		SEE LIGHTING LEGEND	
NUMBER OF LAMPS PER FIXTURE:		SEE LIGHTING LEGEND	
BALLAST TYPE USED IN FIXTURE:		SEE LIGHTING LEGEND	
NUMBER OF BALLASTS IN FIXTURE:		SEE LIGHTING LEGEND	
TOTAL WATTAGE PER FIXTURE:		SEE LIGHTING LEGEND	
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED:		WATTS SPECIFIED	WATTS ALLOWED
		224.0	294.80
OCCUPANCY	AREA (sq ft)	ALLOWANCE (W/sq ft)	WATTAGE ALLOWED
RESTROOM	247	0.80	197.60
STORAGE	162	0.60	97.20
TOTAL	409		294.80
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)			
MOTOR HORSEPOWER: N/A			
NUMBER OF PHASES: N/A			
MINIMUM EFFICIENCY: N/A			
MOTOR TYPE: N/A			
NUMBER OF POLES: N/A			
DESIGNER STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE 2018 NORTH CAROLINA ENERGY CONSERVATION CODE.			

FOR THE ADDITIONAL PRESCRIPTIVE REQUIREMENT REQUIRED BY C406 OF 2018 NORTH CAROLINA ENERGY CONSERVATION CODE, WE ARE CHOOSING C406.3 - REDUCED LIGHTING POWER DENSITY.

224 W SPECIFIED = 265 W (294.8 W ALLOWED X 90%)

PANEL A							
CKT	LOAD	BRK		PH	BRK		CKT
		LOAD	PH		LOAD	PH	
1	RESTROOM LIGHTS	20/1	0.13	A	0.10	20/1	STORAGE LIGHTS 2
3	RESTROOM RECEIPTS	20/1	0.36	B	0.36	20/1	SERVICE RECEIPTS 4
5	WATER FOUNTAIN	20/1	0.18	A	2.00	20/2	CWH-1 6
7	STORAGE UNIT HEATER	30/2	2.50	B	2.00	20/2	CWH-2 10
9		30/2	2.50	A	2.00		
11		30/2	2.25	B	2.00		
13	WH-1	30/2	2.25	A	0.07	20/1	EF-3 14
15		0.00	B	0.00	16		
17	SPACE	0.00	A	0.00	18	SPACE	18
19	SPACE	0.00	B	0.00	20	SPACE	20
21	SPACE	0.00	A	0.00	22	SPACE	22
23	SPACE	0.00	B	0.00	24	SPACE	24
25	SPACE	0.00	A	0.00	26	SPACE	26
27	SPACE	0.00	B	0.00	28	SPACE	28
29	SPACE	0.00	A	0.00	30	SPACE	30
31	SPACE	0.00	B	0.00	32	SPACE	32
33	SPACE	0.00	A	0.00	34	SPACE	34
35	SPACE	0.00	B	0.00	36	SPACE	36
37	SPACE	0.00	A	0.00	38	SPACE	38
39	SPACE	0.00	B	12.00	125/2	SPACE	40
41	SPACE	0.00	A	12.00	125/2	SPACE	42
		kVA	PH		AMPS		
		21.2	A		177		
		21.5	B		179		
		VOLTAGE/PHASE		120/240V, 1P, 3W			
		BUS RATING		200A			
		MAIN CIRCUIT BREAKER RATING		MLO			
		AIC RATING		22K			
		SERVICE ENTRANCE RATED		ND			
		ENCLOSURE		NEMA 4X			
		MOUNTING		SURFACE			

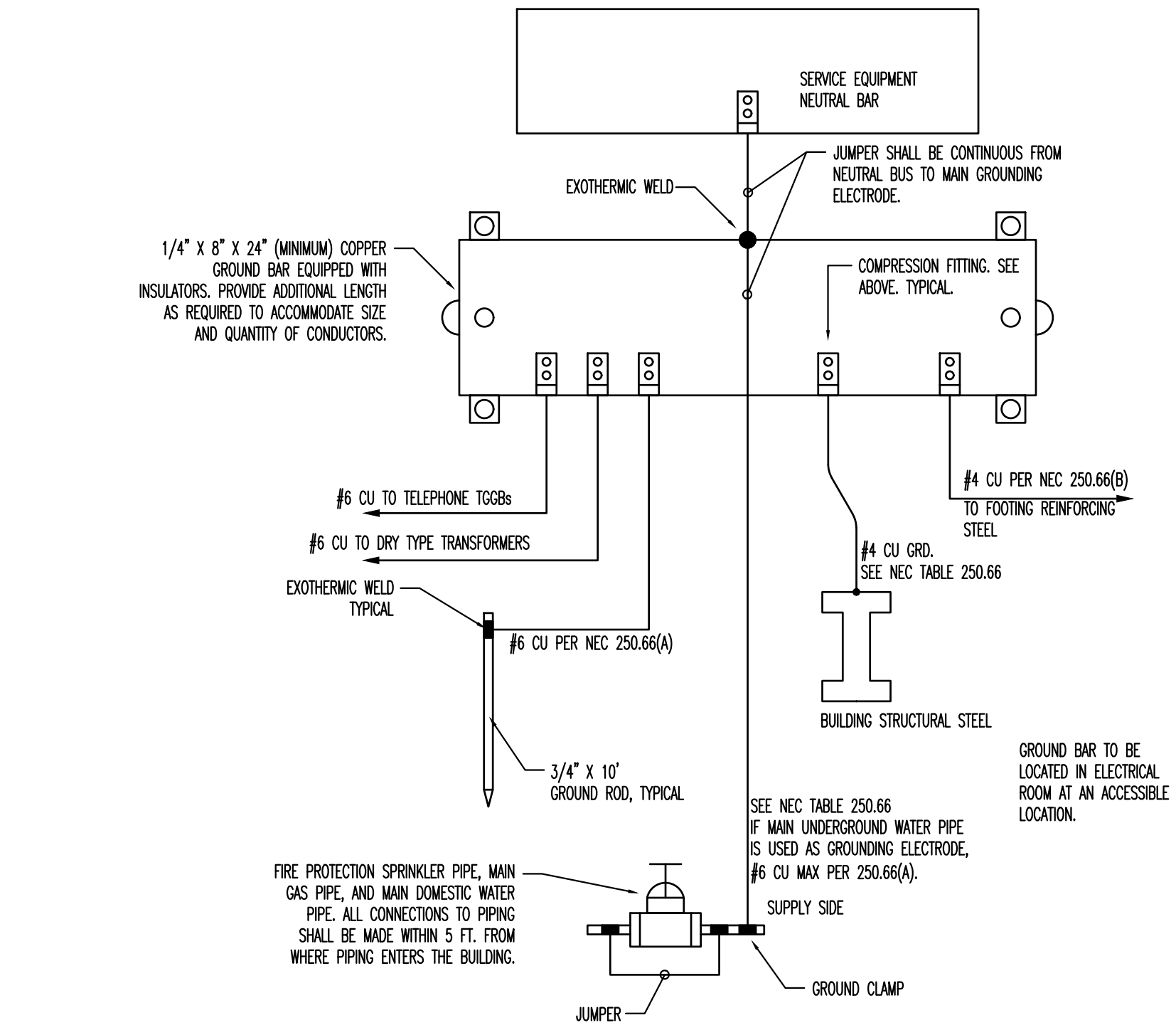
VOLTAGE/PHASE: 120/240V, 1P, 3W
BUS RATING: 200A
MAIN CIRCUIT BREAKER RATING: MLO
AIC RATING: 22K
SERVICE ENTRANCE RATED: ND
ENCLOSURE: NEMA 4X
MOUNTING: SURFACE

○ - GFCI BREAKER

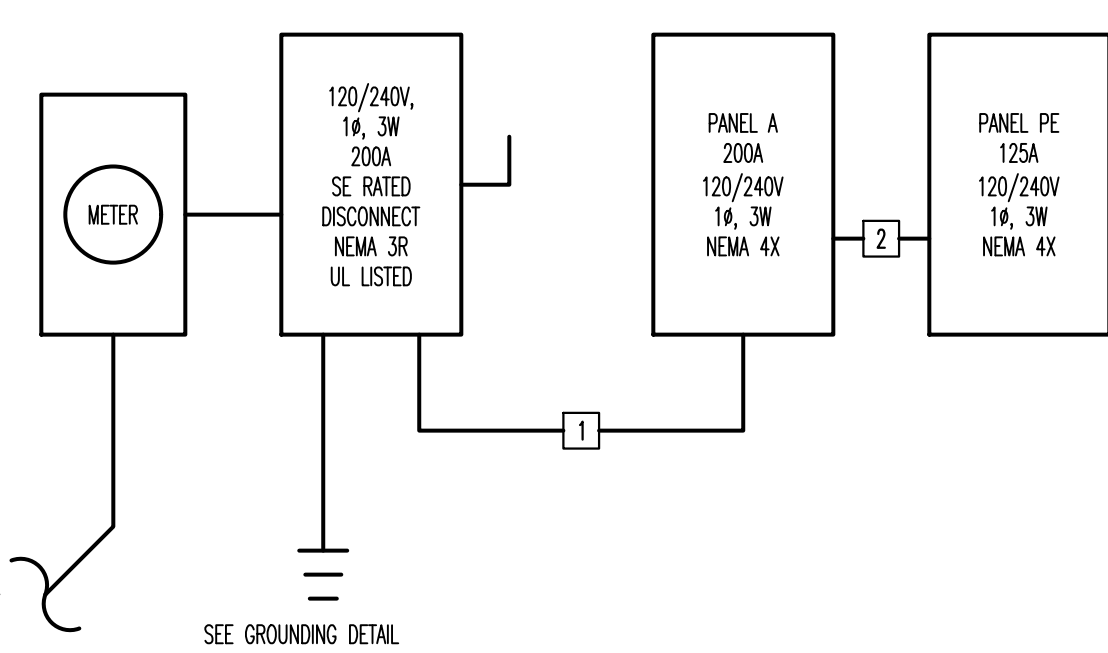
NEC ELECTRIC DEMAND SUMMARY 120/240V, 1P, 3W						
EQUIPMENT	DEMAND FACTOR	kVA		LOAD kVA	NEC REFERENCE	NOTES/CALCULATIONS
		A	B			
LIGHTING	100%	0.42	0.42	0.84	220.12	418 SF X 2 VA/SF
RECEPTACLES < 10 kVA	100%	0.00	0.72	0.72	220.44	
RECEPTACLES > 10 kVA	50%	0.00	0.00	0.00	220.44	
HVAC	100%	6.50	6.50	13.00	--	BASED ON MCA
WATER HEATER	125%	2.25	2.25	4.50	422.13	STORAGE TANK (120 GAL @ 125%)
POOL EQUIPMENT	100%	12.00	12.00	24.00	--	
DEMAND kVA PER PHASE		21.17	21.89			
DEMAND AMPS PER PHASE		176	182			

THE CALCULATED LIGHTING LOAD EXCEEDS THE CONNECTED LIGHTING LOAD.

PANEL SCHEDULES 2



GROUNDING DETAIL-NO SCALE 3



POWER RISER - NOT TO SCALE 4

GENERAL FEEDER SCHEDULE		
MARK	WIRE AND CONDUIT	AMPS
1	3 - 3/0 CU, 1 - #6 CU GRD., 2" CONDUIT	200
2	3 - #1 CU, 1 - #6 CU GRD., 2" CONDUIT	125

GENERAL ELECTRICAL 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, AU - AUTHORITY HAVING JURISDICTION.
"PROVIDE" MEANS TO FURNISH AND INSTALL. THE ELECTRICAL CONTRACTOR SHALL ALSO INSTALL MATERIALS AND EQUIPMENT FURNISHED BY OTHERS AND THE GENERAL CONTRACTOR AS REQUIRED.
2. EC SHALL PROVIDE LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY AND REASONABLY NECESSARY TO INSURE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. MINOR ITEMS, ACCESSORIES, AND DEVICES REASONABLY INFERRABLE AS NECESSARY FOR THE COMPLETION AND PROPER OPERATION OF ANY ELECTRICAL SYSTEM SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. WORKMANSHIP SHALL BE IN ACCORDANCE WITH NEMA 1 "STANDARD PRACTICE FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING".
4. ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED BY THE ELECTRICAL CONTRACTOR AT AN APPROVED LOCATION. THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM BREAKAGE, THEFT, AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE ELECTRICAL CONTRACTOR UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.
5. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER THIS CONTRACT.
6. DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
7. TRADE NAMES AND MANUFACTURERS ARE SPECIFIED TO ESTABLISH A QUALITY STANDARD. SUBSTITUTIONS SHALL BE PERMITTED IF APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALL LISTED MODEL NUMBERS SHALL BE VERIFIED WITH THE MANUFACTURER FOR PROPER APPLICATION OF EQUIPMENT.
8. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BEGINNING WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE ENGINEER TO RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.
9. GROUNDING AND BONDING SHALL BE PER NEC ARTICLE 250. THE RACEMAY SYSTEM SHALL NOT BE RELIED UPON FOR GROUNDING CONTINUITY. A GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC TABLE 250-122, SHALL BE RUN IN ALL POWER RACEMAYS. FOR NON-ISOLATED GROUND CIRCUITS PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CIRCUIT RUN FOR ISOLATED GROUND CIRCUITS, PROVIDE ONE NEUTRAL AND ONE ISOLATED GROUND WIRE FOR EACH CIRCUIT. IN ADDITION, PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CIRCUIT RUN MAIN BONDING JUMPERS AND SYSTEM BONDING JUMPERS SHALL BE INSTALLED IN ACCORDANCE WITH 250.28 OF THE NEC. FOR BUILDINGS OR STRUCTURES SUPPLIED BY FEEDERS OR BRANCH CIRCUITS, GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH 250.32. SEPARATELY DERIVED AC SYSTEMS SHALL BE GROUNDING IN ACCORDANCE WITH 250.30. RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS; ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED PER 250.54 AS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL ALSO COORDINATE WITH THE GENERAL CONTRACTOR REGARDING THE BONDING OF THE FOOTING REBAR, SO THAT IT WILL BE IN PLACE AND READY AT TIME OF FOOTING INSPECTION.
10. ALL MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE UNDERWRITERS' LABORATORIES, INC. STANDARDS OR HAVE UL APPROVAL, OR BEAR UL RE-EXAMINATION LISTING WHERE SUCH APPROVAL HAS BEEN ESTABLISHED FOR THE TYPE OF DEVICE IN QUESTION.
11. CONDUCTORS, FUSES, CIRCUIT BREAKERS, AND DISCONNECT SWITCHES SHOWN ON THESE PLANS HAVE BEEN SIZED FOR THE SPECIFIED EQUIPMENT. BEFORE ORDERING ELECTRICAL EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON THE SITE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES SHOULD CONDUCTOR, CIRCUIT BREAKER, OR FUSE SIZES REQUIRE CHANGE.
12. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE THE FOLLOWING MATERIALS ARE RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT: LIGHT FIXTURES, INCLUDING PROPER DISPOSAL OF BALLASTS, FLUORESCENT LIGHT BULBS, AND TRANSFORMERS, WIRING AND ELECTRICAL EQUIPMENT, AND INSULATION WASTE MATERIALS CONTAINING LEAD, ASBESTOS, PCBs (FLUORESCENT LAMP BALLASTS), OR OTHER HARMFUL SUBSTANCES SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL AND STATE LAWS AND REQUIREMENTS CONCERNING HAZARDOUS WASTE.
13. ALL WORK SHALL CONFORM TO 2020 NATIONAL ELECTRIC CODE, 2018 STATE BUILDING CODE, AND ALL APPLICABLE LOCAL CODES.

MATERIALS:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, RECEPTACLES, TERMINALS, ETC. UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SERVICE ENTRANCE EQUIPMENT, SUB PANELS, AND OTHER ELECTRICAL DISTRIBUTION EQUIPMENT AS NECESSARY FOR A COMPLETE INSTALLATION. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH UTILITY REGARDING SERVICE AND METERING DETAILS. PRIOR TO ORDERING EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE AVAILABLE FAULT CURRENT OR TRANSFORMER SIZE AND IMPEDANCE FROM THE UTILITY AND CONTACT THE ENGINEER IF THE VALUE EXCEEDS THE EQUIPMENT SPECIFIED. PANEL BOARDS AND SWITCH BOARDS SHALL BE SQUARE D, CUTLER-HAMMER, SIEMENS, OR GE. BUSES SHALL BE COPPER UNLESS OTHERWISE APPROVED BY THE ENGINEER. RECESSED PANEL BOARDS SHALL BE INSTALLED FLUSH WITH THE WALL FINISH. WETTER BASES SHALL COMPLY WITH THE UTILITY'S SPECIFICATIONS AND SHALL BE MOUNTED AT A HEIGHT APPROVED BY THE UTILITY. ALL EQUIPMENT IDENTIFIED FOR SERVICE ENTRANCE USE SHALL BE SO LABELED AND UL LISTED FOR SUCH USE. ELECTRICAL CONTRACTOR SHALL INSTALL ALL ELECTRICAL EQUIPMENT WITH CLEARANCES PER NEC 110.26. ELECTRICIAN SHALL PERMANENTLY LABEL EQUIPMENT PER NEC 110.24.
3. ENCLOSED SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE BY SQUARE D, EATON, OR GE. ENCLOSED SWITCHES SHALL HAVE A HANDLE LOCKABLE IN THE OFF POSITION AND SHALL HAVE A HANDLE INTERLOCKED TO PREVENT OPENING THE FRONT COVER WHILE IN THE ON POSITION. ENCLOSED SWITCHES OF THE FUSIBLE TYPE SHALL BE FUSED IN ACCORDANCE WITH NAMEPLATE DATA WITH DUAL ELEMENT TYPE FUSES BY BOSSMAN, LITTELFUSE, OR MERZBACH.
4. OCCUPANCY SENSORS SHALL BE BY WATSTOPPER, LITTON, LEVITON, SENSOR SWITCH, HUBBELL, OR APPROVED EQUAL.
5. CIRCUIT BREAKERS SHALL BE MOLDED-CASE, THERMAL-MAGNETIC TYPE WITH QUICK-MAKE, QUICK-BREAK MECHANISM, COMMON TRIP ON MULTI-POLE BREAKERS, AND UL LISTED FOR BOTH COPPER AND ALUMINUM CONDUCTORS. CIRCUIT BREAKERS IN PANELS SHALL BE SERIES RATED WITH THE MAIN BREAKER, FULLY RATED FOR THE SYSTEM, OR SERIES RATED WITH THE BREAKER FEEDING THE PANEL FROM THE FACTORY.
6. ALL WIRE, CONNECTORS, TERMINALS, AND LUGS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. WIRE CONDUCTORS ARE RUN IN PARALLEL, LUGS SHALL BE LISTED FOR PARALLEL CONDUCTORS. PUSH WIRE CONNECTORS ARE NOT ALLOWED FOR BUILDING WIRE. PUSH CONNECTORS ARE ONLY ALLOWED, WHEN APPROVED, AS PART OF MANUFACTURED LISTED PRODUCTS. ALL WIRE SHALL BE INSTALLED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.
7. THE INSULATION TYPE FOR INTERIOR WIRING SHALL BE DUAL RATED THHN/THWN OR XHHW. ALL WIRING INSTALLED BELOW GRADE OR IN MOIST OR WET LOCATIONS SHALL HAVE TYPE THHN OR XHHW INSULATION. INSULATION VOLTAGE RATING SHALL BE 600 VOLTS AND A MINIMUM TEMPERATURE RATING OF 75C. CONDUCTORS SHALL BE SOLID OR STRANDED COPPER FOR #10 AWG AND #12 AWG, AND STRANDED COPPER FOR #8 AWG AND LARGER SIZES. ALL WIRING AND CABLE SHALL BE UL LISTED. ALL TERMINATIONS AND DEVICES SHALL BE RATED FOR USE WITH 75C CONDUCTORS. FINAL CONNECTIONS TO ALL MOTORS AND EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT SHALL BE MADE WITH STRANDED COPPER CONDUCTORS. CONDUCTORS SHALL BE BY CERRO WIRE, INC., INDUSTRIAL WIRE & CABLE, INC., ENCORE WIRE CORPORATION, OR SOUTHWIRE COMPANY.
8. JOINTS IN SOLID CONDUCTORS SHALL BE SPLICED USING IDEAL "WIRE NUTS", "3M SCOTCH LOCK", OR TAB "PIGGY" CONNECTORS IN JUNCTION BOXES, OUTLET BOXES, AND LIGHTING FIXTURES. JOINTS IN STRANDED CONDUCTORS SHALL BE SPLICED BY APPROVED MECHANICAL CONNECTORS AND GUM RUBBER TAPE OR FRICTION TAPE. SOLDERLESS MECHANICAL CONNECTORS FOR SPLICES AND TAPS, PROVIDED WITH UL APPROVED INSULATING COVERS, MAY BE USED INSTEAD OF MECHANICAL CONNECTORS PLUS TAPE IN ALL CASES. CONDUCTORS FROM OUTLET TO OUTLET AND NO SPLICING SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES, TROUSERS, OR GUTTERS. WHERE CONCENTRIC, ECCENTRIC, OR OVERSIZED KNOCKOUTS ARE ENCOUNTERED, A GROUNDING TYPE INSULATED BUSHING SHALL BE PROVIDED.
9. ALL LUMINAIRES SHALL BE LISTED. LUMINAIRES IN WET OR DAMP LOCATIONS SHALL BE MARKED AS SUITABLE FOR THE RESPECTIVE USE. EMERGENCY LIGHTING SHALL BE INSTALLED AS SHOWN. FINAL LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTS SHALL BE VERIFIED WITH THE BUILDING INSPECTOR PRIOR TO INSTALLATION. ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS MEETING ANSI C82.11 FOR ELECTRONIC BALLAST PERFORMANCE. ALL BALLASTS SHALL BE UL LISTED AND MEET FEDERAL AND STATE EFFICIENCY REQUIREMENTS.
10. ALL CONDUIT, FITTINGS, COUPLINGS, AND SUPPORTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CONDUIT FITTINGS AND COUPLINGS SHALL BE BY APPLETON, RACO, OR O-2/GEENEY. COUPLINGS SHALL BE THEREAD, SET-SCREW, OR COMPRESSION TYPE. INDENTER OR CRIMP TYPE ARE NOT PERMITTED. CONDUIT FITTINGS AT ALL ELECTRICAL BOXES INCLUDING PULL, JUNCTION, AND OUTLET BOXES, SHALL HAVE INSULATED THROTS TO PREVENT INSULATION SCORING. DIE CAST FITTINGS ARE NOT PERMITTED.
11. EMT SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE-AMERICAN NATIONAL STANDARD FOR STEEL ELECTRICAL METALLIC TUBING (EMT), ANSI C80.3 AND UL 797. RIGID METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR ELECTRICAL RIGID STEEL CONDUIT (RSC), ANSI C80.1 AND UL 8. INTERMEDIATE METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR INTERMEDIATE METAL CONDUIT ANSI C80.6 AND UL 1242.
12. METAL CONDUIT SHALL BE BY ALLOY TUBING & CONDUIT, BECK MANUFACTURING, INC., OR WHELAN TUBE COMPANY. FLEXIBLE METAL CONDUIT, LIQUID-TIGHT FLEXIBLE METAL CONDUIT, AND NONMETALLIC CONDUIT SHALL BE BY AFC CABLE SYSTEMS, INC., ELECTRI-FLEX COMPANY, OR INTERNATIONAL METAL HOSE.

METHODS:

1. EC SHALL REVIEW THE MECHANICAL PLANS TO ESTABLISH POINTS OF CONNECTION AND THE EXTENT OF THE ELECTRICAL WORK TO BE PROVIDED IN THE CONTRACT.
2. ALL CIRCUIT BREAKERS FEEDING HVAC EQUIPMENT SHALL BE HVAC BREAKERS. ALL BRANCH CIRCUIT BREAKERS SHALL BE MINIMUM #12 AWG IN 3/4" IN CONDUIT. EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE SOURCE PER NEC 210.4(B). GROUP ALL CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT PER 210.4(D) WITH WIRE TIES OR SIMILAR MEANS. DO NOT EXCEED THREE HOMERUNS PER CONDUIT. DO NOT INSTALL ISOLATED GROUND AND NON-ISOLATED GROUND CIRCUITS IN THE SAME CONDUIT. INSTALL CONDUCTORS OF DIFFERENT VOLTAGES IN SEPARATE CONDUITS.
3. COLOR CODE CONDUCTORS PER NEC. FEEDERS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC 215.12. USE BLACK AND RED FOR PHASES A AND B RESPECTIVELY ON 120/240 VOLT SINGLE-PHASE SYSTEMS AND WHITE FOR THE NEUTRAL. THIS IDENTIFICATION SHALL BE MADE AT EACH POINT WHERE A CONNECTION IS MADE. COLORS SHALL BE FACTORY APPLIED FOR CONDUCTORS #6 AWG AND SMALLER. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN IN COLOR AND MINIMUM #12 AWG. THE EC SHALL PROVIDE PLENUM RATED CABLE FOR ANY ELECTRICAL, TELEPHONE, COMMUNICATION, OR OTHER CABLE THAT ENTERS CEILING RETURN PLENUMS.
4. ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE SUSPENDED CEILING. COORDINATE LIGHTING LAYOUT WITH CEILING GRID, MECHANICAL EQUIPMENT, DUCTWORK AND SPRINKLER HEADS AS NECESSARY. SEE REFLECTED CEILING PLAN FOR DETAILS. FLUORESCENT FIXTURES UTILIZING DOUBLE-ENDED LAMPS MUST HAVE A DISCONNECTING MEANS COMPLYING WITH NEC 410.130(C).
5. MOUNT LIGHT SWITCHES AT 48" AFF. MULTIPLE SWITCHES AT SAME LOCATION SHALL USE A SINGLE MULTI-POLE SWITCH WITH PLATE COLOR AND MATERIAL WITH THE ARCHITECT/OWNER. INSTALL SWITCHES WITH OFF POSITION DOWN. ALL SWITCHES SHALL BE HEAVY DUTY, NORY PLASTIC WITH TOGGLE HANDLE, RATED 120-277V AC, AND COMPLYING WITH NEMA WD 6 AND WD 1. SWITCHES SHALL BE BY COOPER WIRING DEVICES, LEVITON MANUFACTURING, PASS & SEYMOUR, OR HUBBELL. PROVIDE BOX DEVICE PARTITION/DIVIDERS FOR MULTI-GANG BOXES FOR COMPLIANCE WITH NEC 404.8(B).
6. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE-STOPPING AT ALL ELECTRICAL PENETRATIONS OF RATED FLOORS AND WALLS TO PRESERVE OR RESTORE THE FIRE-RESISTANCE RATING. SEAL PENETRATIONS USING A UL LISTED SYSTEM FOUND IN THE UL DIRECTORY SPECIFIC TO THE UL LISTING OF THE ASSEMBLY BEING PENETRATED. SEE ARCHITECTURAL PLANS FOR UL RATED ASSEMBLIES SPECIFIC TO THIS PROJECT.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE GFCI RECEPTACLES IN KITCHENS, RESTROOMS, OUTDOORS, AND IN SHOP AREAS AS REQUIRED BY NEC. REFRIGERATORS AND WATER COOLERS MUST HAVE A DEDICATED GFCI BREAKER. EACH OUTDOOR HVAC UNIT MUST HAVE A GFCI RECEPTACLE WITHIN 25 FEET FOR SERVICING. GFCI RECEPTACLES SHALL CONFORM TO UL 943 CLASS A AND UL #89 STANDARDS. RECEPTACLES SHALL BE COPPER WIRING DEVICES, LEVITON MANUFACTURING, PASS & SEYMOUR, OR HUBBELL. ALL RECEPTACLES SHALL BE 125V RATED, HEAVY DUTY, AND COMPLY WITH NEMA WD 6 AND WD 1.
8. LOCATIONS AND HEIGHTS OF ALL WALL-MOUNTED DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
9. CONCEAL ALL CONDUIT EXCEPT IN MECHANICAL ROOMS OR UNFINISHED AREAS AS NOTED. USE EMT CONDUIT FOR ALL BRANCH CIRCUITS AND FEEDERS INSIDE THE BUILDING. TYPE MC CABLE AND TYPE AC CABLE MAY BE INSTALLED WITHIN WALLS IF ALL NEUTRAL WIRES, ISOLATED GROUND WIRES, AND EQUIPMENT GROUND WIRES AS LISTED ABOVE ARE CONTAINED IN THE CABLE. FLEXIBLE CONNECTIONS TO MOTORS AND OTHER EQUIPMENT SHALL BE MADE USING WEATHERPROOF FLEXIBLE CONDUIT. FOR LI-V-HV LIGHT FIXTURES, USE MAXIMUM OF SIX (6) FEET OF FLEXIBLE MC CABLE (OR THE FLEXIBLE CONDUIT PROVIDED BY THE FIXTURE MANUFACTURER). SCHEDULE 40 PVC CONDUIT MAY BE USED FOR THE SECONDARY UNDERGROUND SERVICE, UNDERGROUND EXTERIOR SERVICE, AND BRANCH AND FEEDER CIRCUITS UNDER SLAB OR EXTERIOR TO THE BUILDING. EXPOSED EXTERIOR CONDUIT SHALL BE SCHEDULE 80 PVC. ALL UNDERGROUND RACEMAYS SHALL BE IDENTIFIED WITH UNDERGROUND LINE MARKING TAPE 6"-8" IN BELOW GRADE DIRECTLY ABOVE THE RACEMAY. PROVIDE PULL WIRE IN EMPTY CONDUITS. UPSIZE CONDUIT FROM MINIMUM SIZE AS NECESSARY FOR LONGER PULLS. UNDERGROUND RACEMAYS THAT STUB INTO THE BOTTOM OF SWITCHBOARDS, OUTDOOR TRANSFORMERS, GENERATORS, ETC., SHALL RISE AT LEAST 2" IN ABOVE THE FINISHED SLAB TO PREVENT WATER FROM DRAINING INTO THE RACEMAYS. RACEMAYS THAT PENETRATE EXTERIOR WALLS OR INTERIOR PARTITIONS SEPARATING SPACES THAT WILL BE AT SIGNIFICANTLY DIFFERENT TEMPERATURES SHALL BE SEALED IN ACCORDANCE WITH 300.5(G), 300.7(A), AND 300.5(E) OF THE NEC. ROUTE CONDUIT IN AND UNDER SLAB FROM POINT-TO-POINT. ROUTE EXPOSED CONDUIT AND CONDUIT INSTALLED ABOVE ACCESSIBLE CEILINGS PARALLEL AND PERPENDICULAR TO WALLS. COMPLETELY AND THOROUGHLY SEAL ALL RACEMAYS BEFORE INSTALLING WIRE. RULL ALL CONDUCTORS INTO EACH RACEMAY AT ONE TIME. USE A SUITABLE WIRE PULLING LUBRICANT FOR BUILDING WIRE #4 AWG AND LARGER.
10. CABLES, RACEMAYS, OR BOXES, INSTALLED IN EXPOSED OR CONCEALED LOCATIONS UNDER METAL-CORRUGATED SHEET ROOF DECKING, SHALL BE INSTALLED AND SUPPORTED SO THERE IS NOT LESS THAN 1/2" IN MEASURED FROM THE LOWEST SURFACE OF THE ROOF DECKING TO THE TOP OF THE CABLE, RACEMAY, OR BOX. A CABLE, RACEMAY, OR BOX SHALL NOT BE INSTALLED IN CONCEALED LOCATIONS IN METAL-CORRUGATED SHEET DECKING-TYPE ROOF. SEE NEC 300.4(E).
11. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL OUTLET, JUNCTION, PULL BOXES, FITTINGS, AND SUPPORTS. ALL OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED STEEL TYPE BY APPLETON, STEEL CITY, OR RACO. EXTERIOR BOXES SHALL BE TYPE FS. VAPORITE BOXES SHALL BE TYPE GS. WHERE SURFACE MOUNTED BOXES ARE USED, THOSE BOXES AND THEIR FACEPLATES SHALL HAVE ROUNDED CORNERS. BOXES INSTALLED IN FLOORS SHALL BE RATED FOR THE APPLICATION. MOUNT JUNCTION AND OUTLET BOXES FLUSH WITH FINISH SURFACES UNLESS OTHERWISE NOTED. WHERE MOUNTING HEIGHTS ARE GIVEN, THEY SHALL BE MEASURED FROM THE FINISHED FLOOR TO THE CENTER OF THE BOX. ALL BOXES SHALL BE SIZED PER NEC ARTICLE 314. ALL OUTLET AND JUNCTION BOXES SHALL HAVE A COVER PLATE. PROTECT THE ELECTRICAL CONTRACTOR'S OUTLET BOXES IN RATED WALLS SHALL BE INSTALLED IN ACCORDANCE WITH NORTH CAROLINA BUILDING CODE 714.3.2 (MAXIMUM BOX SIZE IS 16 SQUARE IN AND MAXIMUM OF SIX (6) BOXES PER 100 SQUARE FEET). INSTALL OUTLET BOXES IN RATED WALLS SUCH THAT OPENINGS OCCUR IN ONE SIDE ONLY WITHIN ANY GIVEN STUD SPACE. ALL CLEARANCES BETWEEN THE OUTLET BOX AND THE OFSM BOARD SHALL BE FILLED WITH JOINT COMPOUND OR OTHER APPROVED FIRE STOP MATERIAL. FLUSH MOUNTED JUNCTION BOXES IN ADJACENT ROOMS SHALL NOT BE MOUNTED BACK-TO-BACK. SURFACE MOUNTED FIXTURES SHALL BE VERIFIED WITH THROUGH FLUSH MOUNTED 414 OCTAGONAL OR SQUARE BOXES.
12. ALL CONDUIT, BOXES, AND ELECTRICAL EQUIPMENT SHALL BE FIRMLY AND SECURELY FASTENED TO OR SUPPORTED FROM THE BUILDING STRUCTURAL MEMBERS OR EMBEDDED IN CONCRETE OR MASSIVE ELECTRICAL SUPPORTS SHALL NOT BE ATTACHED TO DUCTWORK, PIPING, OR THEIR SUPPORTS. HANGERS SHALL BE CATALOG ITEMS COMPATIBLE WITH AND SUITABLE FOR THE INTENDED USE. FOR METAL ROOF DECK INSTALLATIONS, 1" IN EMT CONDUIT MAXIMUM AND 4" IN JUNCTION BOXES MAXIMUM MAY BE SUPPORTED BY DECKING. THE SUSPENDED CEILING SYSTEM SHALL NOT BE USED FOR THE SUPPORT OF ELECTRICAL RACEMAY SYSTEMS OR SUPPORT OF COMMUNICATIONS OR DATA SYSTEMS WIRING. GENERAL CONTRACTOR SHALL COMPLY WITH 1613 OF THE NORTH CAROLINA GENERAL CONSTRUCTION BUILDING CODE.
13. WHERE CONDUCTORS ARE RUN IN PARALLEL, THE EC SHALL COMPLY WITH NEC 310.15(G).
14. PROVIDE AN UNDERGROUND PVC CONDUIT SYSTEM FOR TELEPHONE SERVICE WITH PULL WIRES. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TELEPHONE UTILITY REGARDING ADDITIONAL FACILITIES REQUIRED FOR THE SERVICE INSTALLATION.
15. INSTALL ONE (1) 3/4" IN FIRE RETARDANT TREATED PLYWOOD BACKBOARD WHERE INDICATED ON THE DRAWINGS FOR THE USE BY THE TELEPHONE SYSTEM. PROVIDE A 120 VOLT RECEPTACLE ADJACENT TO THE TELEPHONE BOARD. GROUND ALL TELEPHONE AND COMMUNICATIONS CIRCUITS PER NEC 800.
16. ALL TELEPHONE AND COMMUNICATIONS OUTLETS AND RACEMAYS ARE ROUGH-INS ONLY. EACH TELEPHONE AND COMMUNICATIONS OUTLET SHALL BE A 4" IN SQUARE BY 2"-1/8" IN DEEP BOX WITH 3/4" IN KNOCK-OUTS AND A 3/4" IN CONDUIT STUBBED FROM THE OUTLET BOX TO ABOVE THE CEILING. PROVIDE A NON-METALLIC INSULATING BUSHING ON ALL CONDUITS STUBBED ABOVE THE CEILING. PROVIDE A BLANK COVER PLATE ON ALL OUTLET BOXES.
17. ELECTRICAL CONTRACTOR SHALL INSTALL DISCONNECT SWITCHES IN SIGHT OF ALL HARDWIRED EQUIPMENT AND APPLIANCES OR PROVIDE BREAKERS CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC 422.31. FOR MOTOR DRIVEN APPLIANCES, PROVIDE A DISCONNECTING MEANS PER NEC 422.31 AND 430 PART IX. WHERE AN INDIVIDUAL DISCONNECT SWITCH, CIRCUIT BREAKER, STARTER, ETC

Classified by Underwriters Laboratories, Inc. to ASTM/UL1479 (ASTM E814)

System No. W-L-1088
 F Ratings - 1 & 2 Hr. (See Item 1)
 T Rating - 0 Hr.

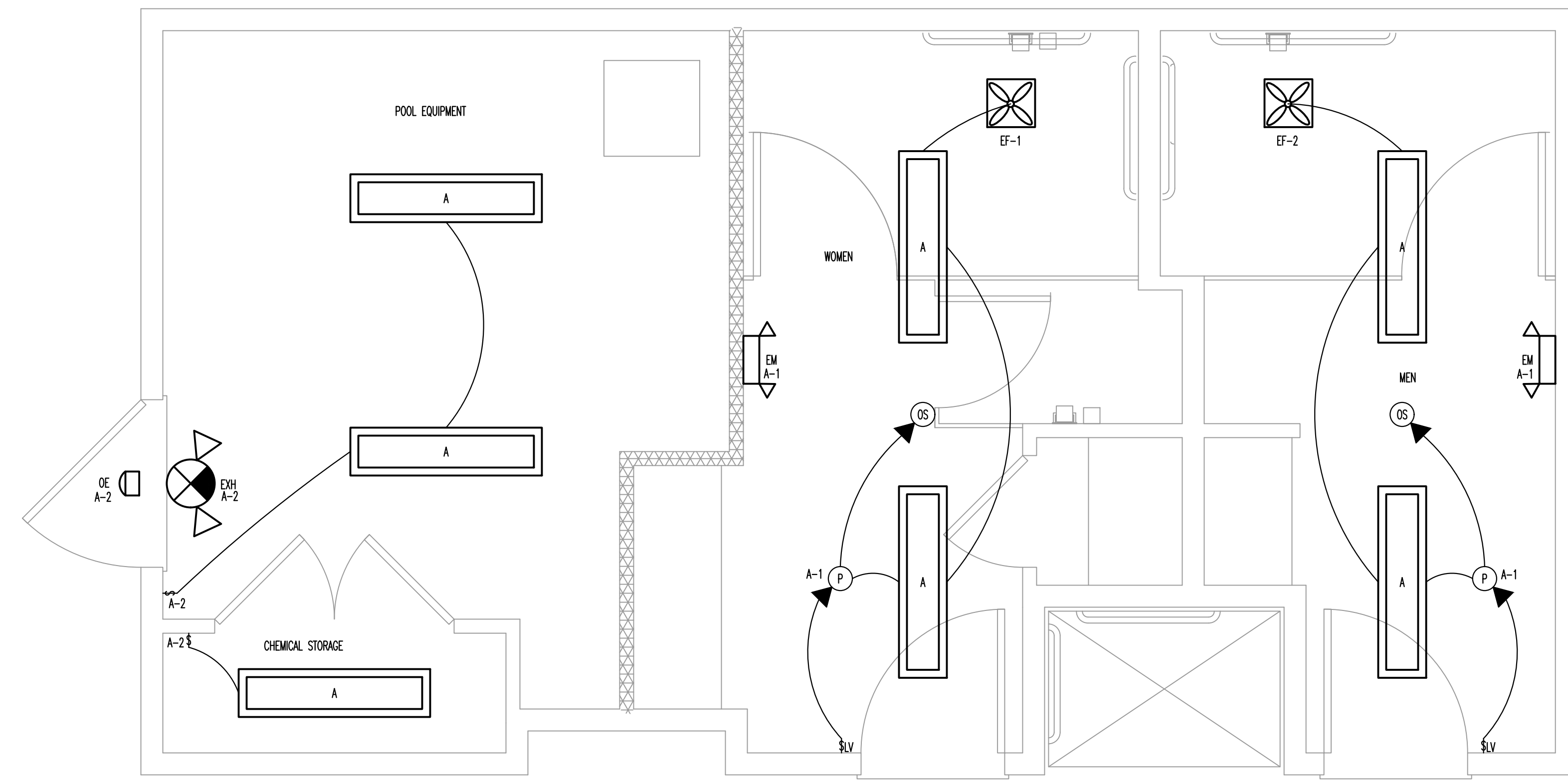
Section A-A

- Wall Assembly** - The 1 or 2 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) O.C. with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) O.C.
 - Gypsum Board** - 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 6-3/4 in. (171 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
- Through Penetrant** - One metallic pipe, tubing or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes, tubing or conduits and periphery of opening shall be min 0 in. (point contact) to max 5/8 in. (16 mm). Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduits may be used:
 - Steel Pipe - Nom 6 in. (152 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe - Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type M (or heavier) copper tubing.
 - Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing, nom 4 in. (102 mm) diam (or smaller) galv steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
- Fill, Void or Cavity Material** - Sealant - Min 5/8 in. (16 mm) thickness of fill material within annulus, flush with both surfaces of wall. Additional fill material installed such that a min 1/4 in. (6 mm) thick crown is formed around the penetrating item lapping 1/2 in. (13 mm) beyond the periphery of the opening.
 SPECIFIED TECHNOLOGIES INC - SpecSeal LC 150 Sealant, SpecSeal LE600 Sealant
 * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876
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 Created or Revised: June 08, 2007
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UL W-L-1088
 PAGE 1 OF 1

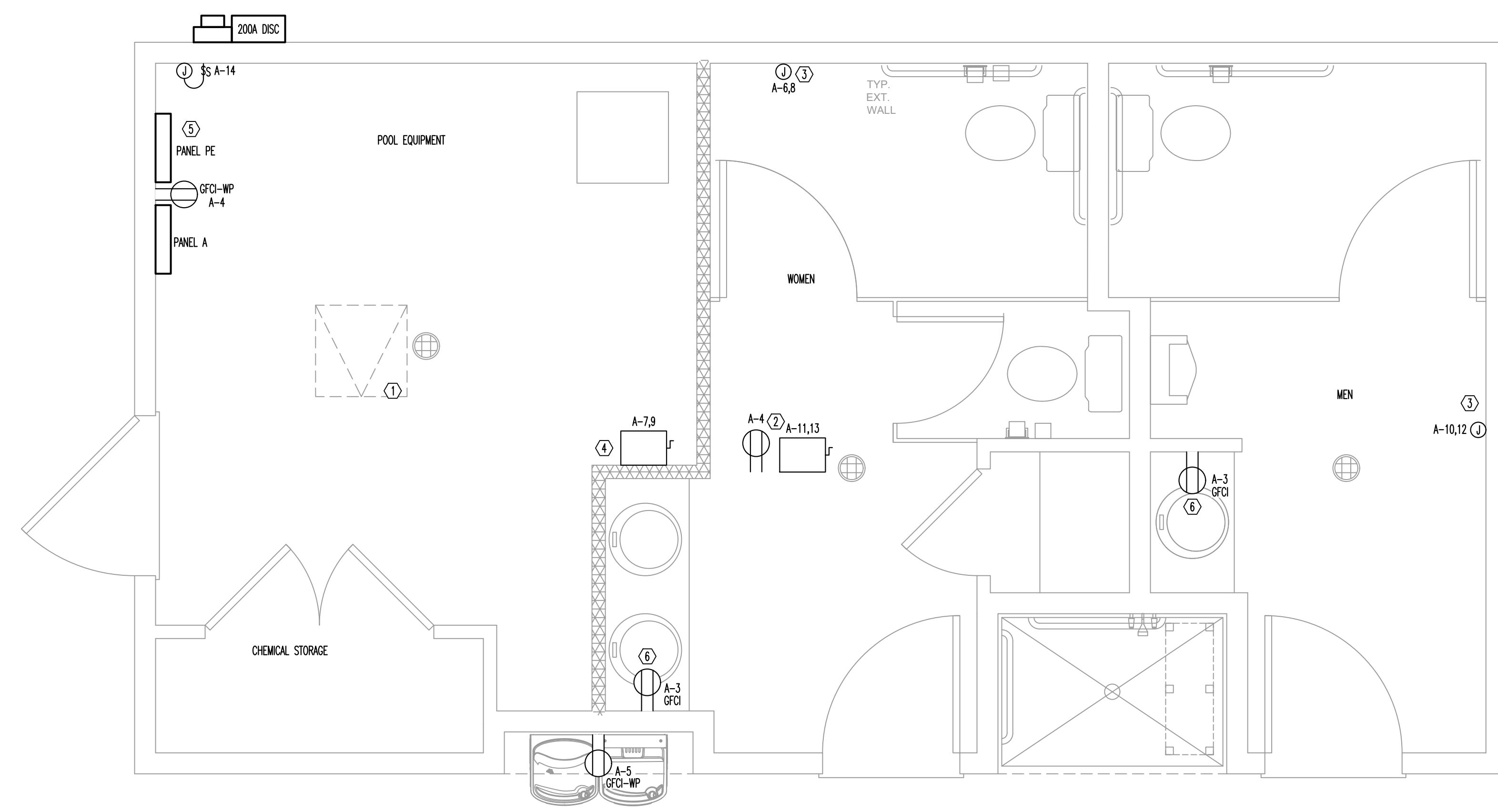
1 HOUR FIRE PENETRATION DETAIL 1



LIGHTING PLAN - SCALE: 1/2" = 1' 2

POWER PLAN HEX NOTES

- POOL EQUIPMENT ROOM PANEL AND POWER CONNECTIONS PROVIDED BY POOL CONTRACTOR.
- 30A, 240V, NEMA 1 DISCONNECT AND GFCI SERVICE RECEPT IN ATTIC FOR WH-1
- JUNCTION BOX IN WALL FOR RESTROOM HEATER. EC TO VERIFY MOUNTING HEIGHT WITH DEVICE REQUIREMENTS
- 30A, 240V, NEMA 4X DISCONNECT FOR UH-1 IN POOL EQUIPMENT ROOM. EC TO VERIFY MOUNTING HEIGHT PRIOR TO INSTALLATION.
- PANEL PE PROVIDED BY POOL CONTRACTORS TO BE INSTALLED FOR POOL EQUIPMENT.
- RECEPT TO BE MOUNTED AT COUNTER HEIGHT



POWER PLAN - SCALE: 1/2" = 1' 3

Kilian Engineering, Inc.
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 (P) 252.438.8718 | CORPORATE LICENSE C2277

SEAL
 STATE OF NORTH CAROLINA
 PROFESSIONAL ENGINEER
 SEAL 17394
 MICHAEL W. KILIAN
 10/28/2024

SEAL
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 PROFESSIONAL ENGINEER
 SEAL
 10/28/2024

CONSTRUCTION
 LILLINGTON, NC

CAPE OVERLOOK POOL HOUSE

REVISION:

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ISSUED:

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ISSUED FOR PERMITTING
 10/28/2024
 EC

DRAWN BY: BSL
 CHECKED BY: MMW/REW
 LIGHTING AND POWER PLAN

SHEET NO.
E2

PROJECT NO: 240602

CAPE OVERLOOK OVERALL SITE DATA TABLE	
SITE ADDRESS	ROSS ROAD LILLINGTON, NC
TOWNSHIP	LILLINGTON
CURRENT SITE OWNER (AREA / PIN / DB & PG)	ROSS ROAD DEVELOPERS, LLC 0609-48-8729 - DB 4194 PG 2536
TOTAL PROJECT AREA	63.763 AC
NATURAL OPEN SPACE REQ'D. (20%)	12.75 AC
NATURAL OPEN SPACE PROVIDED (27%)	19.50 AC
USABLE OPEN SPACE REQ'D. (3%)	1.91 AC
USABLE OPEN SPACE PROVIDED (6.18%)	3.30 AC
COMMON OPEN SPACE	5.08 AC
DEVELOPER	TRIANGLE LAND PARTNERS
DEVELOPER ADDRESS	PO BOX 5548 CARY, NC 27512
WATERSHED	CAPE FEAR RIVER BASIN
SUBWATERSHED	CAPE FEAR RIVER
WATERSUPPLY CLASSIFICATION	WSIV-PA
FEMA MAP NO.	372006600J
FEMA PANEL EFFECTIVE DATE	October 3, 2006
PROJECT DISTURBED AREA	56.80 AC
PROJECT IMPERVIOUS AREA	25.85 AC (40.54%)
AUTHORITY HAVING JURISDICTION	TOWN OF LILLINGTON
CURRENT ZONING	CONDITIONAL ZONING RS10 CLUSTER
PROPOSED ZONING	CONDITIONAL ZONING RS10 CLUSTER
SETBACKS (PER ZONING CONDITIONS)	

	TOWNHOMES	SINGLE FAMILY
FRONT	20'	20'
SIDE	0'	5'
SIDE STREET	15'	15'
REAR	10'	20'

PROPOSED DWELLING UNITS	TOWNHOMES	SINGLE FAMILY	TOTAL
PHASE 1	12	38	50
PHASE 2	48	0	48
PHASE 3	0	102	102
PHASE 4	56	42	98
PROJECT TOTAL	116	182	298

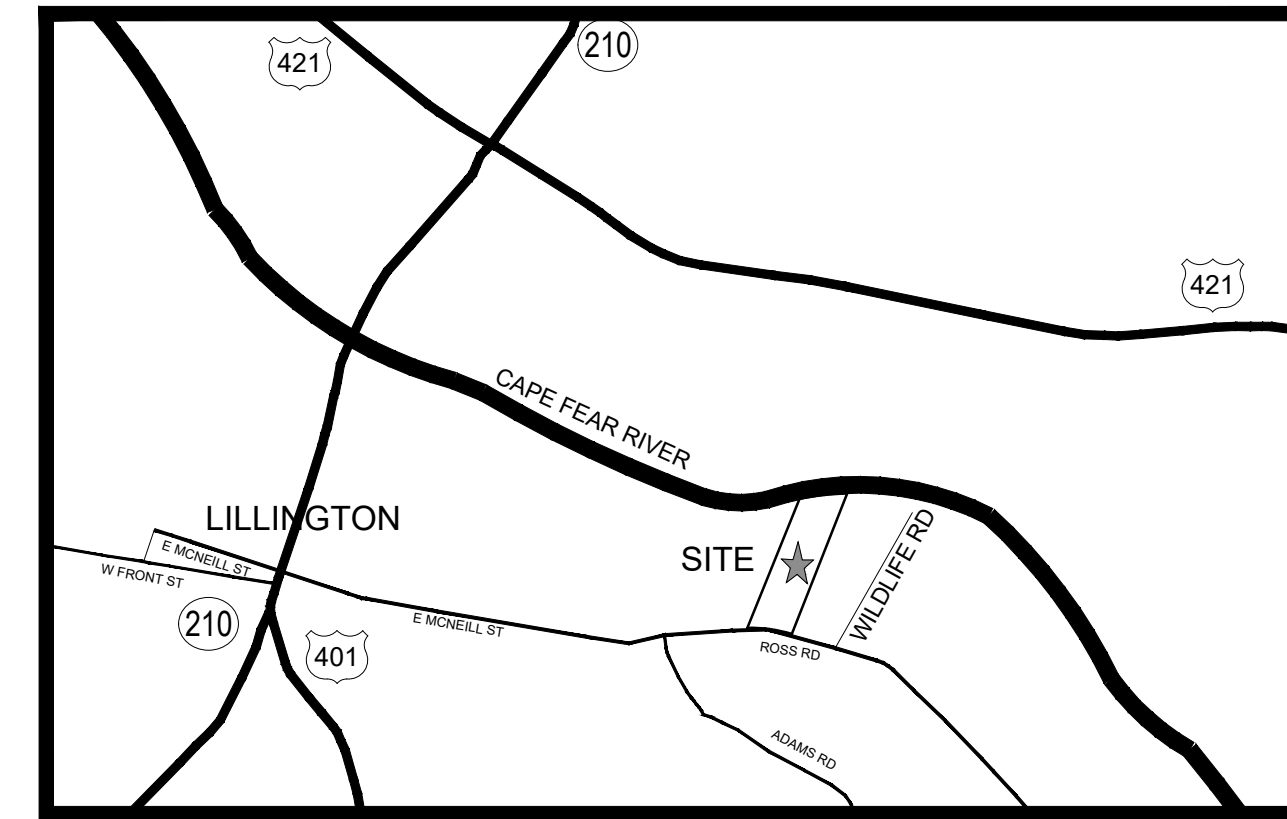
PROPOSED DENSITY	298 DUs / 63.763 AC = 4.67 DU/AC
PARKING	
DESIGNATION	SINGLE-FAMILY ATTACHED - 2 PER UNIT (GARAGE/DRIVEWAY) TOWNHOME 2 PER UNIT + 0.33 PER UNIT FOR GUESTS
TOTAL TOWNHOME UNITS	116
REQUIRED GUEST PARKING	38 SPACES
PROVIDED GUEST PARKING	97 SPACES
REQUIRED ACCESSIBLE PARKING	2 SPACES
PROVIDED ACCESSIBLE PARKING	4 SPACES
DESIGNATION	SINGLE FAMILY DETACHED

BICYCLE PARKING	
DESIGNATION	1 PER 50 LOTS
TOTAL NEIGHBORHOOD LOTS	298
REQUIRED BICYCLE PARKING	6 SPACES
PROVIDED BICYCLE PARKING	6 SPACES

CAPE OVERLOOK AMENITY CENTER

LILLINGTON, NORTH CAROLINA

NOVEMBER 14, 2024



VICINITY MAP
1" = 4,000'

DEVELOPER / OWNER CONTACT INFORMATION:

ROSS ROAD DEVELOPERS, LLC
4201 TAYLOR HALL PL
CHAPEL HILL, NC 27517-7439
ANDREWROSS@FLOYDDEVELOPMENT.COM
919-703-6203

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POOL HOUSE FLOOR PLAN & ROOF PLAN (BY PLANWORK)

ZONING CONDITIONS

- Maximum Blended Density for the project is 5 units per gross acre.
Townhome lot size minimum 2,190 sf
Single-Family lot size minimum 4,590 sf
- Maximum Building height is 35 feet, maximum 3 stories.
- Minimum Building Setbacks
From Buffer 10'
Front Yard 20'
Side Yard 5' SF and 0' TH
Rear Yard 20' SF and 10' TH
- A 50' buffer and landscape berm will be constructed along Ross Road. (see master plan for detail).
- Maximum Impervious Percentage not to exceed 46%
- Perimeter 40' buffer minimum - 50' average (landscape or existing vegetation)
- 5 minimum sidewalks will be provided on both sides of street.
- 30' Valley gutters can be used for Townhome lots given the minimal lot width and spacing between driveways.
- (2) Roadway connections to public roads with an additional (2) road stubs to adjoining property (future connectivity).
- Block length shall not exceed 1,125 ft as measured from center of intersection to center of intersection. Private parking lots can be utilized to meet the connectivity provided a minimum 20' travel lane is provided for emergency vehicle access.
- 30-inch valley curb and gutter can be used for townhome lots given the minimal lot and spacing between driveways.
- All internal public roads shall be 27' B-B with 5.5' wide (SF) / 3.5 wide (TH) grass strip between back of curb and sidewalk.
- Single-Family will provide at least 2 paved parking spaces. The spaces will either be within an enclosed garage, driveway, or as designated parking pad. Townhomes will have adequate setback to park 1 car in front of garage and 1 inside garage.
- Townhome satellite parking will be at 0.33 spaces per Townhome Unit.
- Community will have a central amenity with swimming pool, bath house, playground, open lawn area, and central mail kiosk.
- Solid waste/recycling containers shall be stored within garage or outside rear/side yard within a screened fence area (on each lot).

Architectural controls:

- End units facing a public ROW must include a minimum of two (2) windows.
- Façade Treatment: May include a mix of siding types including lap siding, board & batten, shake, stone or brick. Each unit shall include a minimum of two (2) of these elements.
- Landscaping: Each unit shall include a minimum of one (1) decorative tree, one (1) street tree, and six (6) shrubs. Street tree along each street at a maximum spacing of 40'
- Each home shall have a minimum of a two-car garage.
- Garage Doors: shall contain decorate details or carriage style adornments

Townhome:

- End units facing a public ROW must include a minimum of two (2) windows.
- Façade Treatment: May include a mix of siding types including lap siding, board & batten, shake, stone or brick. Each unit shall include a minimum of two (2) of these elements. The use of metallic, fluorescent or neon colors shall be prohibited.
- Landscaping: Each unit shall include a minimum of one (1) decorative tree and four (4) shrubs.
- Street tree along each street, driveway, and parking areas at a maximum spacing of 40'
- Garage Doors: shall contain decorate details or carriage style adornments
- Driveway widths may exceed 50% of the total property footage and can be located within 2' of a side lot line for Townhome lots.

GENERAL DEVELOPMENT NOTES

- ALL OPEN SPACE, SIGNAGE, MAIL KIOSKS, DRAINAGE EASEMENTS, LANDSCAPING & PARKING LOTS NOT IN TOWN OR NCDOT PURVIEW SHALL BE MAINTAINED BY PROPERTY OWNERS ASSOCIATION.
- ALL GARAGES SHALL BE FRONT LOADED.
- ALL DRIVEWAYS SHALL BE CONCRETE AND MEET TOWN OF LILLINGTON SPECIFICATIONS.
- FOUNDATION SURVEYS SHALL BE REQUIRED FOR ALL LOTS.
- NO PARKING WILL BE ALLOWED IN THE PUBLIC RIGHT-OF-WAY.
- SANITARY SEWER SERVICES FOR ALL LOTS MUST BE INSTALLED AT TIME OF OUTFALL INSTALLATION.
- PUBLIC WATER AND SEWER EASEMENTS TO BE SHARED BY TOWN OF LILLINGTON AND HARNETT REGIONAL WATER.
- ALL STORM PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.
- THE SEWER PERMIT IS APPROVED FOR PHASES 1-3 ONLY. THE DEVELOPER SHALL MODIFY THE SEWER PERMIT TO ACCOUNT FOR PHASE 4 IN COORDINATION WITH NCCCO, HRW & TOWN OF LILLINGTON. PERMIT MODIFICATIONS SHALL BE APPROVED BY ALL PARTIES PRIOR TO BEGINNING ANY PHASE 4 CONSTRUCTION (INCLUDING SHEET, STORMWATER, SEWER & WATER INSTALLATION). SEPARATE MATERIAL SUBMITTALS & PRECONSTRUCTION MEETING WILL BE REQUIRED FOR PHASE 4.

TOWN OF LILLINGTON NOTES

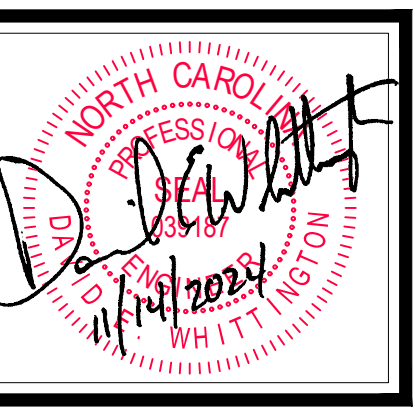
- ALL PUBLIC FACILITIES, INCLUDING STORM DRAINAGE, SIDEWALKS, AND HANDICAP RAMPS ARE TO BE CONSTRUCTED ON ALL STREETS AS SPECIFIED BY TOWN AND NCDOT STANDARDS. THESE FACILITIES HAVE BEEN APPROVED BY THE TOWN OF LILLINGTON AND SHALL BE SO INSTALLED UNLESS A CHANGE IS APPROVED BY THE TOWN OF LILLINGTON.
- OWNER HEREBY CERTIFIES AND AGREES TO TAKE SUCH ACTION AS MAY BE REQUIRED BY THE TOWN OF LILLINGTON TO CORRECT ANY ERRORS, OMISSIONS OR NON-COMPLIANCE WITH TOWN STANDARDS AND/OR CONDITIONS DESCRIBED IN THIS CONSTRUCTION PLAN, INCLUDING RESUBMISSION OR RE-EXECUTION OF THIS CONSTRUCTION PLAN WITH THE APPROPRIATE CORRECTIONS AND/OR REVISIONS.

THESE PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE TOWN OF LILLINGTON

PLANNING	DATE
PUBLIC WORKS	DATE
DRAINAGE & EROSION CONTROL	DATE
UTILITIES	DATE

NO.	REVISIONS	DATE

CE GROUP
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www.cegroupinc.com
License # C-1739



CAPE OVERLOOK
AMENITY CENTER
COVER
LILLINGTON, NORTH CAROLINA

Date:	NOVEMBER 14, 2024
Scale:	N/A
Drawn:	JPD
Checked:	AJF
Project No.	147-07
Computer Dwg. Name	147-07 amenity cover

GENERAL NOTES

- BOUNDARY, TOPOGRAPHY, AND EXISTING CONDITIONS SURVEY PERFORMED BY CE GROUP, INC. AND BASED ON A SURVEY ENTITLED "ALTA INSPECTION" DATED MAY 16, 2023.
- WETLAND AND STREAM INFORMATION PROVIDED BY TERRACON.
- PROPERTIES SHOWN HEREON ARE SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD THAT WOULD BE REVEALED BY A THOROUGH TITLE SEARCH. THIS MAP SHOULD NOT BE RELIED UPON AS A COMPLETE RECORD OF ALL SUCH EASEMENTS THAT MAY AFFECT THESE PROPERTIES.
- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED UPON FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL CONTACT 811 AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- ALL WATER MAIN & STORM DRAINAGE CONSTRUCTION SHALL BE IN CONFORMANCE TO THE TOWN OF LILLINGTON AND NCEQ STANDARDS AND SPECIFICATIONS.
- ALL SEWER MAIN & FORCE MAIN CONSTRUCTION SHALL BE IN CONFORMANCE TO THE HARNETT REGIONAL WATER STANDARDS AND SPECIFICATIONS.
- ALL CONSTRUCTION WITHIN THE NCDOT RW SHALL BE IN CONFORMANCE TO THE NCDOT STANDARDS AND SPECIFICATIONS.
- UPON EXAMINATION OF FLOOD INSURANCE RATE MAPS, PANEL NUMBER 0568 OF COMMUNITY NUMBER 370328 (HARNETT, COUNTY OF), BEARING MAP # 372056800J, DATED OCTOBER 3, 2006, THE SUBJECT PROPERTY LIES IN ZONE "AE", WHICH IS AN AREA DETERMINED TO BE INSIDE THE 1% ANNUAL CHANCE.
- NO WETLAND AREA ALLOWED WITHIN INDIVIDUAL LOT AREA.
- THIS PROJECT IS WITHIN THE TOWN OF LILLINGTON UTILITY SERVICE AREA AND IS SUBJECT TO THE TOWN OF LILLINGTON UTILITY ORDINANCES.
- INDIVIDUAL LOT PLANS WILL NEED TO BE OBTAINED AND PERMITTED SEPARATELY.
- ALL WATER WILL BE INSPECTED, OPERATED, AND MAINTAINED BY THE TOWN OF LILLINGTON. ALL SANITARY SEWER MAINS WILL BE INSPECTED, OPERATED, AND MAINTAINED BY HARNETT REGIONAL WATER.
- APPROVAL OF THIS PLAT/PLAN DOES NOT GUARANTEE WATER CAPACITY. CURRENT/FUTURE CAPACITY MAY NOT BE AVAILABLE. THIS DEVELOPMENT MAY REQUIRE ADDITIONAL IMPROVEMENTS TO THE EXISTING WATER SYSTEM TO MEET FUTURE WATER AND SEWER DEMANDS PRIOR TO A PRELIMINARY PLAT, CONSTRUCTION PLAN AND/OR FINAL PLAT APPROVAL.
- ALL PUBLIC FACILITIES, INCLUDING UTILITIES, SIDEWALKS, AND HANDICAP RAMPS ARE TO BE CONSTRUCTED ON ALL STREETS AS SPECIFIED BY TOWN OR NCDOT STANDARDS. THESE FACILITIES HAVE BEEN APPROVED BY THE TOWN OF LILLINGTON AND SHALL BE SO INSTALLED UNLESS A CHANGE IS APPROVED BY THE TOWN OF LILLINGTON.
- OWNER HEREBY CERTIFIES AND AGREES TO TAKE SUCH ACTION AS MAY BE REQUIRED BY THE TOWN OF LILLINGTON TO CORRECT ANY ERRORS, OMISSIONS OR NON-COMPLIANCE WITH TOWN STANDARDS AND/OR CONDITIONS DESCRIBED IN THIS CONSTRUCTION PLAN, INCLUDING RESUBMISSION OR RE-EXECUTION OF THIS CONSTRUCTION PLAN WITH THE APPROPRIATE CORRECTIONS AND/OR REVISIONS.
- ALL SEWER SERVICE CONNECTIONS DISCHARGING DIRECTLY INTO A MANHOLE SHALL CONNECT AT BENCH LEVEL OF THE MANHOLE.
- VALVES OVER 4 FEET IN DEPTH MUST HAVE A VALVE STEM EXTENSION TO BRING OPERATING NUT TO A DEPTH OF NO MORE THAN 4 FEET. WHEN VALVE EXTENSION NUTS ARE USED, THEY SHALL BE MANUFACTURED BY THE SAME COMPANY WHICH MANUFACTURED THE VALVE. PLEASE NOTE THIS ON THE PLANS.
- THE HOA WILL MAINTAIN ALL PRIVATE DRAINAGE EASEMENTS, LANDSCAPING/BUFFERING/STREET TREES, SIGNAGE, MAIL KIOSK, AND PARKING AREAS.
- ALL EASEMENTS SHALL REMAIN CLEAR OF OBSTRUCTION OF ANY KIND.
- A PORTION OF THIS PROPERTY LIES WITHIN A VOLUNTARY AGRICULTURAL DISTRICT.

NF
STEPHEN EARNEST LEE & HOFFMAN DIANE LEE
PIN - 0569-36-1233
DB 365 PG 0218

NF
STEPHEN EARNEST LEE & HOFFMAN DIANE LEE
PIN - 0569-36-1233
DB 365 PG 0218

NF
CORBIN ANN BIZZELL
PIN - 0569-36-0929
DB 981 PG 0086

NF
JAMES V STENCIL
PIN - 0569-46-8116
DB 530 PG 0227

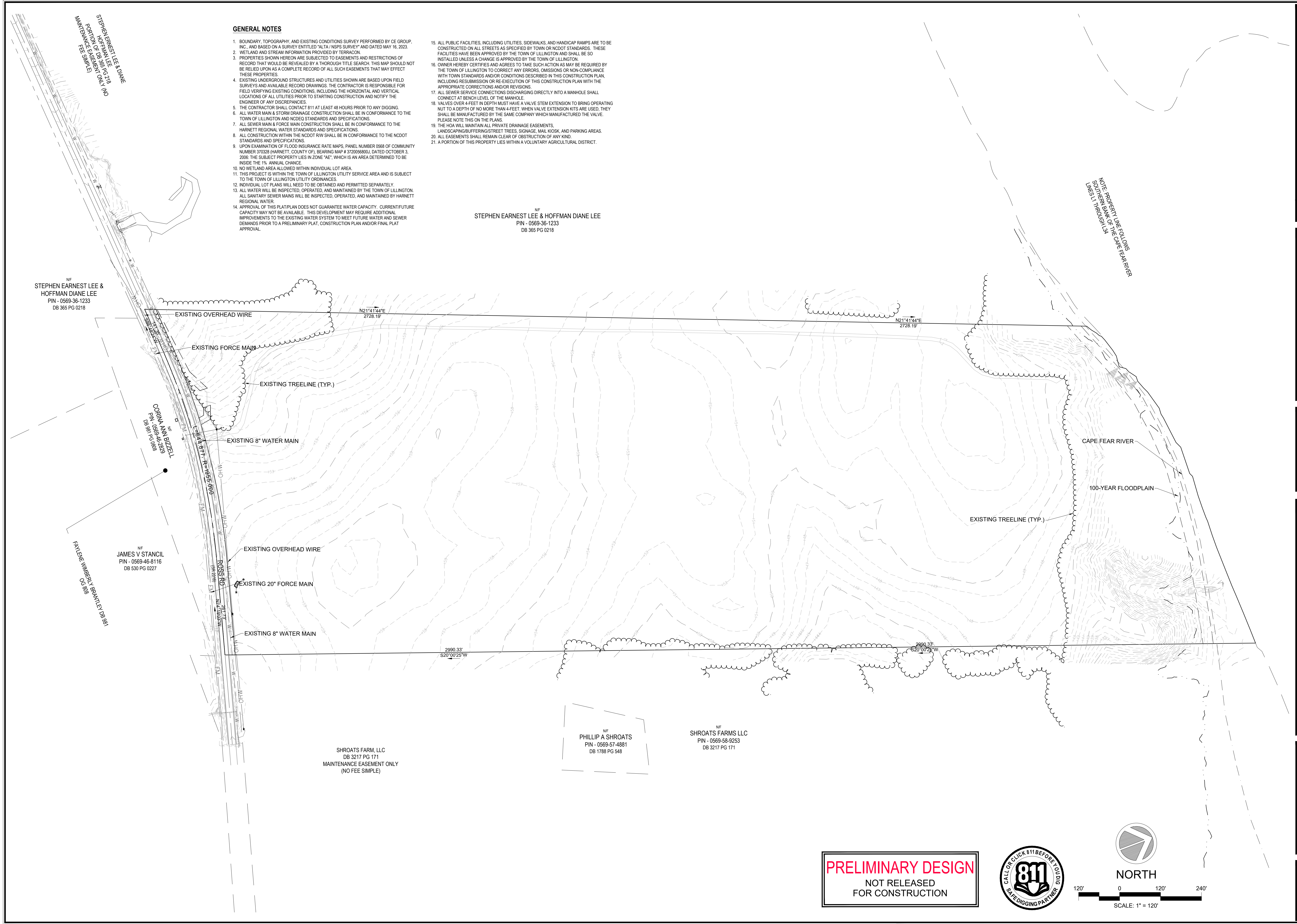
NF
FAVLE WILBERD BRANTLEY DB 981
OC 608

NF
SHROATS FARM, LLC
DB 3217 PG 171
MAINTENANCE EASEMENT ONLY
(NO FEE SIMPLE)

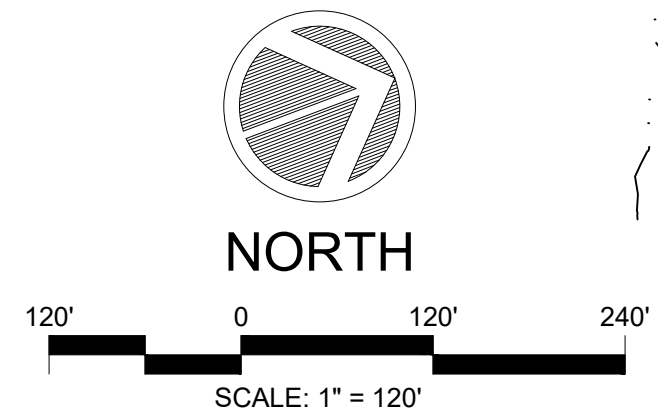
NF
PHILLIP A SHROATS
PIN - 0569-57-4881
DB 1788 PG 548

NF
SHROATS FARMS LLC
PIN - 0569-58-9253
DB 3217 PG 171

NOTE: PROPERTY LINE FOLLOWS
THE CENTERLINE OF THE CAPE FEAR RIVER
AS SHOWN THROUGHOUT
THIS PLAN.

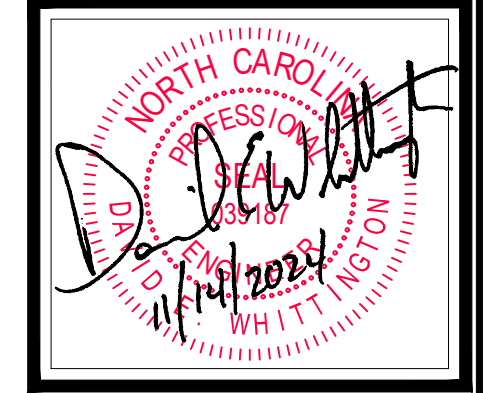


PRELIMINARY DESIGN
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FOR CONSTRUCTION



NO.	REVISIONS	DATE

CE GROUP
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RALEIGH, NC 27603
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www.cegroupinc.com
License # C-1739



**AMENITY CENTER
CAPE OVERLOOK
EX. CONDITIONS PLAN**
LILLINGTON, NORTH CAROLINA

Date:	NOVEMBER 14, 2024
Scale:	1" = 120'
Drawn:	JPD
Checked:	AJF
Project No.:	147-07
Computer Dwg. Name:	147-07_amenity ex conditions

Sheet No:
2
Of 48



CAPE OVERLOOK OVERALL SITE DATA TABLE

SITE ADDRESS
ROSS ROAD LILLINGTON, NC
TOWNSHIP
LILLINGTON
CURRENT SITE OWNER (AREA / PIN / DB & PG)
ROSS ROAD DEVELOPERS, LLC
0669-48-8729 - DB 4194 PG 2636

TOTAL PROJECT AREA 63.783 AC
NATURAL OPEN SPACE REQ'D (20%) 12.75 AC
NATURAL OPEN SPACE PROVIDED (27%) 19.50 AC
USABLE OPEN SPACE REQ'D (3%) 1.91 AC
USABLE OPEN SPACE PROVIDED (5.18%) 3.30 AC
COMMON OPEN SPACE 5.08 AC

DEVELOPER TRIANGLE LAND PARTNERS
DEVELOPER ADDRESS PO BOX 5648 CARY, NC 27512
WATERSHED CAPE FEAR RIVER BASIN
SUBWATERSHED CAPE FEAR RIVER
WATERSUPPLY CLASSIFICATION WSIV-PA
FEMA MAP NO. 3720056800J
FEMA PANEL EFFECTIVE DATE October 3, 2006
PROJECT DISTURBED AREA 56.80 AC
PROJECT IMPERVIOUS AREA 25.85 AC (40.54%)
AUTHORITY HAVING JURISDICTION TOWN OF LILLINGTON
CURRENT ZONING CONDITIONAL ZONING RS10 CLUSTER
PROPOSED ZONING CONDITIONAL ZONING RS10 CLUSTER
SETBACKS (PER ZONING CONDITIONS)

	TOWNHOMES	SINGLE FAMILY
FRONT	20'	20'
SIDE	0'	5'
SIDE STREET	15'	15'
REAR	10'	20'

PROPOSED DWELLING UNITS

	TOWNHOMES	SINGLE FAMILY
PHASE 1	12	38
PHASE 2	48	0
PHASE 3	0	93
PHASE 4	56	51
PROJECT TOTAL	116	182

PROPOSED DENSITY 288 DU's / 63.783 AC = 4.67 DU/AC

PARKING

DESIGNATION	SINGLE FAMILY ATTACHED - 2 PER UNIT (GARAGE/DRIVEWAY)	TOWNHOME 2 PER UNIT + 0.33 PER UNIT FOR GUESTS
TOTAL TOWNHOME UNITS	116	
REQUIRED GUEST PARKING	38 SPACES	
PROVIDED GUEST PARKING	97 SPACES	
REQUIRED ACCESSIBLE PARKING	2 SPACES	
PROVIDED ACCESSIBLE PARKING	4 SPACES	

BICYCLE PARKING

DESIGNATION	SINGLE FAMILY DETACHED
DESIGNATION	SINGLE FAMILY DETACHED
DESIGNATION	1 PER 50 LOTS
TOTAL NEIGHBORHOOD LOTS	288
REQUIRED BICYCLE PARKING	6 SPACES
PROVIDED BICYCLE PARKING	6 SPACES

- GENERAL UTILITY NOTES**
- EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES PRIOR TO BEGINNING ANY DEMOLITION OR CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
 - ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE TOWN OF LILLINGTON, HARNETT REGIONAL WATER (HRW) AND NCDEQ.
 - ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN AND/OR PROFILE BY THE TOWN OF LILLINGTON AND HRW PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO HRW.
 - CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITY POLES AND/OR STRUCTURES AS SHOWN ON THE PLANS, OR AS NEEDED FOR CONSTRUCTION. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT SHALL BE RELOCATED AT THE EXPENSE OF THE APPLICANT UPON APPROVAL.
 - CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROL FOR WORK WITHIN NCDOT RIGHT-OF-WAY. BEFORE DOING WORK WITHIN RIGHT-OF-WAY, CONTACT NCDOT DISTRICT OFFICE AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
 - CONTRACTOR TO COORDINATE UTILITY PLAN WITH ELECTRICAL PLANS, BY OTHERS, FOR ELECTRICAL AND TELECOMMUNICATIONS ROUTING AND CONNECTION INFORMATION.
 - CONTRACTOR TO FIELD ADJUST VALVE BOXES, CLEAN-OUTS, AND MANHOLE RIMS TO MATCH FINAL GRADES.
 - SEE TOWN OF LILLINGTON WATER DETAIL W-12 ON SHEET 10 FOR WATER SERVICE INSTALLATION.
 - POOL DISCHARGE SHALL GO THROUGH SANITARY SEWER; IT SHALL NOT DISCHARGE TO TOWN OF LILLINGTON STORM DRAINAGE SYSTEM.
 - MAIL KIOSKS SHALL REMAIN OPEN AND AVAILABLE TO PUBLIC AT ALL TIMES DURING AMENITY CENTER CONSTRUCTION.
 - BACKFLOW PREVENTER SHALL BE INSTALLED INSIDE THE POOL HOUSE; SEE PLUMBING PLANS BY OTHERS.

LEGEND

- LED POLE TOP LIGHTS
 - 205W SITELIGHTER - DUKE ENERGY PROGRESS - 4000K LED FIXTURE W/ TYPE III THROW PATTERN - 205W - 30' MOUNTING HEIGHT
 - LED POLE TOP LIGHTS
 - 50W MITCHELL OPEN - DUKE ENERGY PROGRESS - 4000K LED FIXTURE W/ TYPE III THROW PATTERN - 50W - 16' MOUNTING HEIGHT

LIGHTING NOTES

- THE CE GROUP, INC. IS NOT RESPONSIBLE FOR SAFETY AND SECURITY RISKS DUE TO INADEQUATE LIGHTING LEVELS.
- ALL FIXTURES TO MEET IESNA FULL CUTOFF CLASSIFICATION.
- UNDERGROUND UTILITIES (EXISTING AND PROPOSED) ARE FOR INFORMATIONAL PURPOSES ONLY. SEE APPROPRIATE SHEET IN THIS SET FOR DETAILS. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE OWNER AND/OR ENGINEER OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.

- GENERAL PAVEMENT MARKING & SIGNAGE NOTES:**
- CONTRACTOR TO COORDINATE FINAL LOCATION OF ALL STREET SIGNS WITHIN THE PUBLIC RIGHT-OF-WAY WITH NCDOT AND TOWN OF LILLINGTON PRIOR TO INSTALLATION.
 - ALL PARKING LOT PAINT TO MEET NCDOT STANDARDS AND SPECIFICATIONS.
 - ALL PARKING LOT PAINT TO HAVE MINIMUM OF TWO COATS.
 - ALL PARKING LOT SIGNS TO MOUNTED ON T-POSTS AND MEET NCDOT REQUIREMENTS. ALL APPLICABLE SIGNS SHALL CONFORM TO MUTCD STANDARDS.
 - SIGN VENDOR TO BE RESPONSIBLE FOR PROCURING ANY REQUIRED SIGN PERMITS.

811 CALL OR CLICK & 11 BEFORE YOU DIG SAFEDIGGING PARTNER

NORTH

SCALE: 1" = 20'

20' 0 20' 40'

NO.	REVISIONS	DATE

CE GROUP

301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032

www.cegroupinc.com

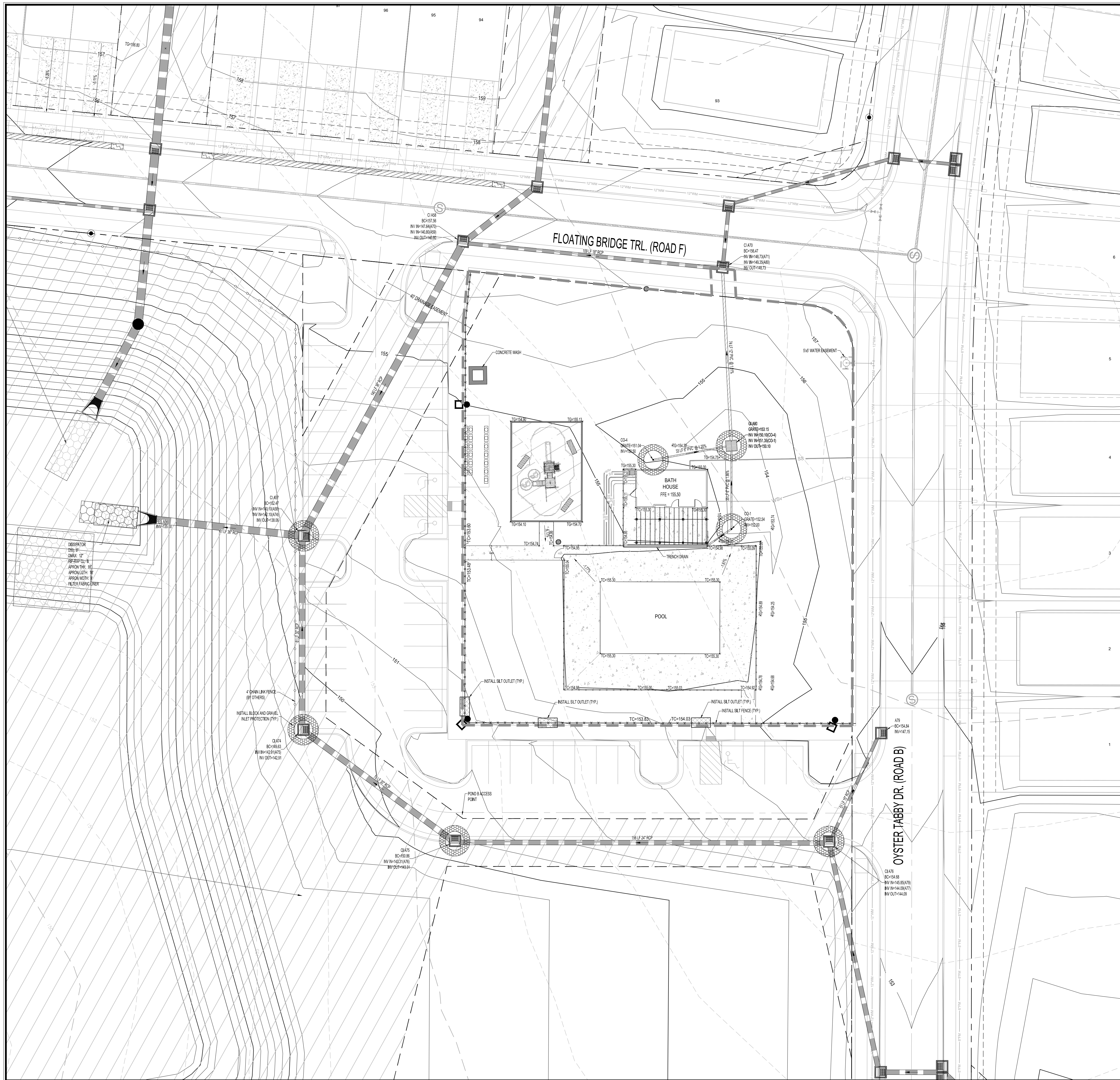
License # C-1739



CAPE OVERLOOK AMENITY CENTER SITE & UTILITY PLAN

LILLINGTON, NORTH CAROLINA

Date:	NOVEMBER 14, 2024
Scale:	1" = 20'
Drawn:	RJH
Checked:	AJF
Project No.:	147-07
Computer Dwg. Name:	147-07 amenity site plan
Sheet No.:	3 Of 10



GENERAL GRADING NOTES

1. STORM DRAINAGE SHOWN TO BE INSTALLED DURING SUBDIVISION CONSTRUCTION. ENSURE POSITIVE DRAINAGE TO ALL STRUCTURES.
2. POOL HOUSE DOWNSPOUTS TO SURFACE DRAIN. ENSURE POSITIVE DRAINAGE AWAY FROM STRUCTURE.
3. PARKING LOT AND MAIL KIOSKS TO BE INSTALLED DURING SUBDIVISION CONSTRUCTION. SEE PLAYGROUND MANUFACTURER SPECIFICATIONS FOR SURFACE MATERIAL AND DRAINAGE REQUIREMENTS.
4. ALL DISTURBED AREA HAS BEEN ACCOUNTED FOR IN SUBDIVISION CONSTRUCTION PLANS AND EROSION CONTROL PERMIT NO. HARR-2023-094.

EROSION CONTROL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES IN 7 OR 14 DAYS.

MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.

MAXIMUM GRADED SLOPE SHALL NOT EXCEED THREE (3) TO ONE (1).

TOTAL DISTURBED AREA IS 0.68 ACRES.

CONSTRUCTION SEQUENCE

1. SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE FAYETTEVILLE REGIONAL OFFICE INSPECTOR. OBTAIN A LAND-DISTURBING PERMIT.
2. INSTALL GRAVEL CONSTRUCTION PAD, INLET PROTECTION AND SILT FENCE AS SHOWN ON THE APPROVED PLANS.
3. CALL FOR AN ONSITE INSPECTION BY THE FAYETTEVILLE REGIONAL OFFICE INSPECTOR TO OBTAIN A CERTIFICATE OF COMPLIANCE.
4. BEGIN CLEARING AND GRUBBING. BEGIN INSTALLATION OF SUB-SURFACE DRAINAGE SYSTEM FROM DOWNSTREAM (CONNECTION TO C1A7O). MAINTAIN DEVICES AS NEEDED. BEGIN ROUGH GRADING SITE AREA.
5. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
6. WHEN ALL DISTURBED AREAS ARE STABILIZED COMPLETELY, CONTACT FAYETTEVILLE REGIONAL OFFICE INSPECTOR FOR INSPECTIONS, AND IF APPROVED, PROCEED WITH CONSTRUCTION.

GROUND STABILIZATION *

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section II.B (2)(b))

LEGEND

- CURB INLET (CI)
 - GRATED INLET (GI)
 - STORM MANHOLE (SMH)
 - FLARED END SECTION (FES)
 - 30" CURB & GUTTER
- ABBREVIATION LEGEND**
- BC BACK OF CURB ELEVATION
 - TC TOP OF CONCRETE ELEVATION
 - TG GROUND ELEVATION
 - CI CURB INLET
 - DI DROP INLET
 - GI GRATED INLET
 - SMH MANHOLE
 - FES FLARED END SECTION
 - PDE PRIVATE DRAINAGE EASEMENT
 - SSMH SANITARY SEWER MANHOLE
 - GV GATE VALVE
 - TCON TOP OF DRAINAGE EASEMENT
- EROSION CONTROL LEGEND**
- TEMPORARY SILT FENCE
 - REINFORCED SILT FENCE OUTLET
 - TEMPORARY BLOCK & GRAVEL INLET PROTECTION
 - CONCRETE WASHOUT

NO.	REVISIONS	DATE

CE GROUP

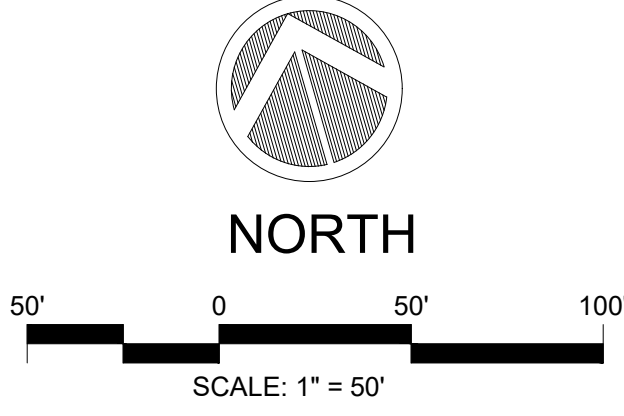
301 GLENWOOD AVE. 220
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PHONE: 919-367-8790
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www.cegroupinc.com

License # C-1739

AMENITY CENTER
CAPE OVERLOOK
EROSION CONTROL & GRADING
PLAN
LILLINGTON, NORTH CAROLINA

PRELIMINARY DESIGN
NOT RELEASED
FOR CONSTRUCTION



Date: NOVEMBER 14, 2024

Scale: 1" = 50'

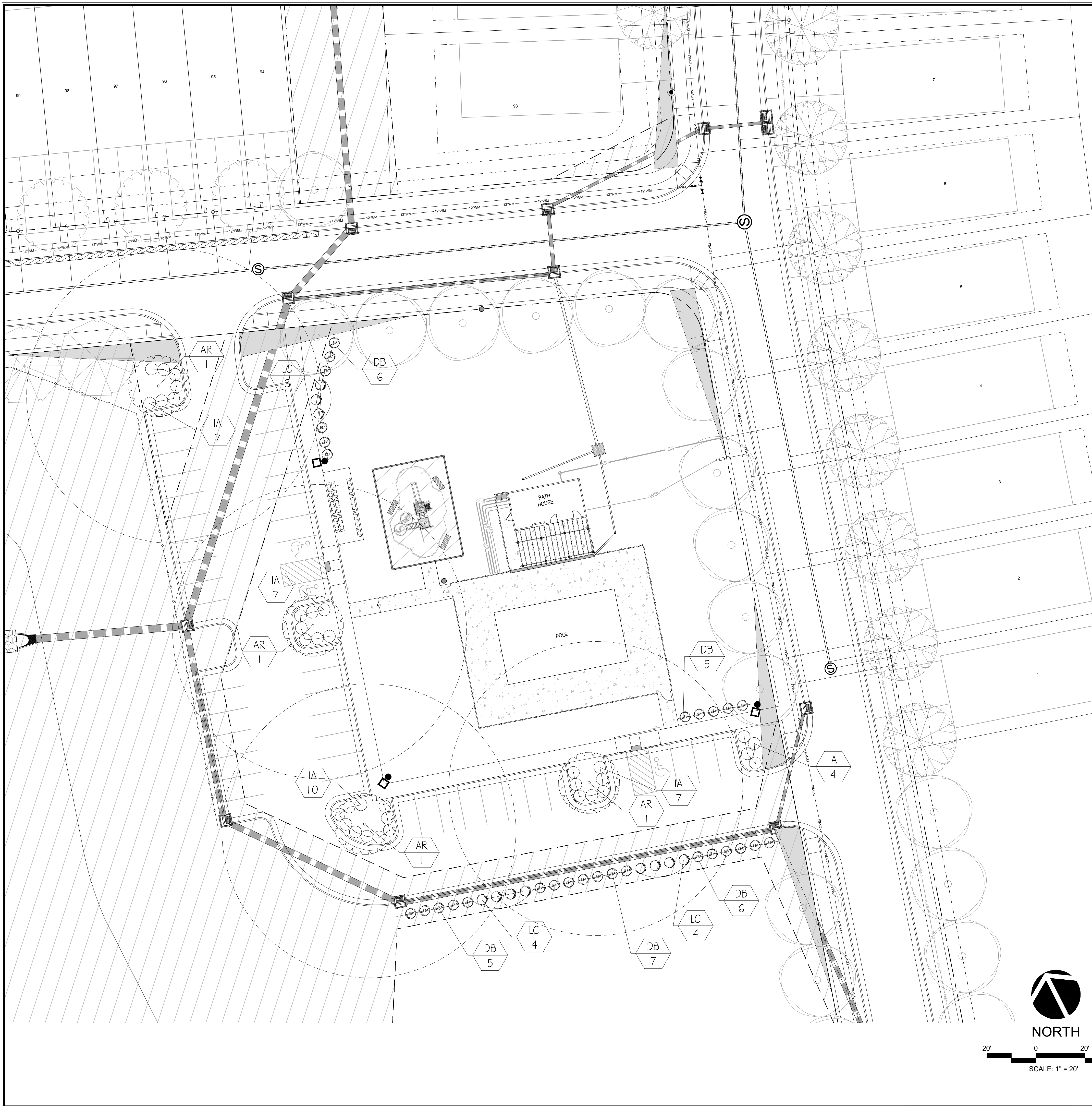
Drawn: JPD

Checked: AJF

Project No. 147-07

Computer Dwg. Name 147-07_amenity grading plan

Sheet No. 4 Of 48



PLANT LIST

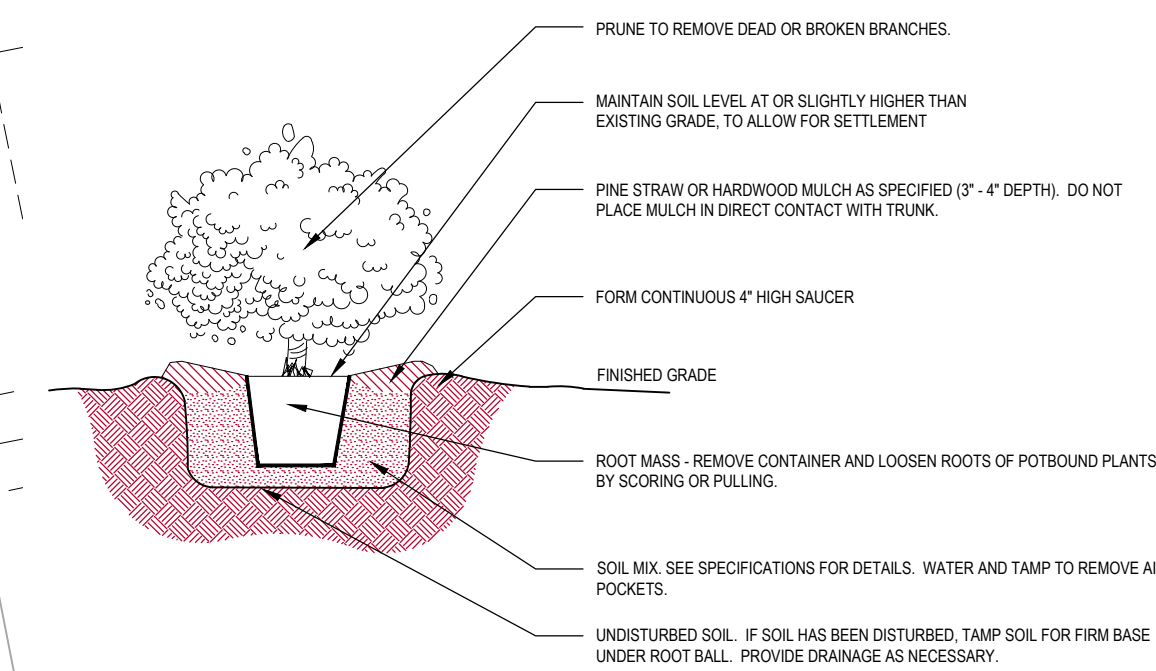
KEY	QUAN.	BOTANICAL NAME	COMMON NAME	CAL.	HT.	ROOT	REMARKS
AR	4	<i>Acer saccharum</i> 'Legacy'	Legacy Sugar Maple		12' - 14'	B 4 B	
SHRUBS							
DB	29	<i>Ilex cornuta</i> 'Burfordii Nana'	Dwarf Burford Holly		18" - 24"	S gal.	
LC	11	<i>Loropetalum chinense</i> var. <i>rubrum</i> 'Ruby'	Ruby Loropetalum		18" - 24"	S gal.	
IA	35	<i>Ilex x attenuata</i> 'Fosteri'	Foster Holly		36" - 40"	7 gal.	

NOTE:
CONTRACTOR TO BID PLANT MATERIAL AND SIZES SHOWN. WHEN THE BID IS SUBMITTED, CONTRACTOR SHOULD SUPPLY SUGGESTED PLANT SUBSTITUTIONS (WITH COST SAVINGS) FOR OWNER TO CONSIDER.

- NOTES:**
- LANDSCAPE CONTRACTOR TO INCLUDE SOD/SEED ONLY WHERE SHOWN ON PLANS. ALL OTHER SEEDING BY SITE CONTRACTOR.
 - MULCH IN BUFFER IS THE AROUND EACH INDIVIDUAL PLANT. MASS MULCHING OR SEEDING IN THE BUFFER IS NOT REQUIRED TO BE BID BY THE LANDSCAPE CONTRACTOR.
 - LANDSCAPE BED REQUIREMENTS:
 - CONTRACTOR TO PROVIDE 6" DIAMETER BEDS AROUND SINGLE TREES/ SHRUBS THAT ARE NOT WITHIN 4' OF ANY OTHER TREE/ SHRUB
 - MAINTAIN MIN. 3" OF MULCHED BED OUTSIDE ALL TREE/ SHRUB CLUSTERS
 - LANDSCAPE BED MULCH TO BE MIN. DEPTH OF 3" - 4"

LANDSCAPE PLANTING NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITY TAKE-OFFS AND VERIFICATION OF MATERIALS AS SHOWN ON THESE PLANS AND IN WRITTEN SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING OR INSTALLATION.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING AND PROPOSED UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
- ALL LANDSCAPE MATERIALS SHALL CONFORM TO THE ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- PRIOR TO THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL PROPERLY BACKFILL ALL PLANT MATERIAL THAT HAS BEEN PLACED IN PREPARED HOLES, AND PROPERLY WATER AND MULCH ALL PREPARED GROUNDCOVER, PERENNIAL AND ANNUAL BEDS.
- ALL TREES AND SHRUBS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.
- LANDSCAPE ARCHITECT OR OWNER SHALL APPROVE ANY ON-SITE PLANT STORAGE AREA.
- ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED BY HAND PRIOR TO PLACEMENT AND BACK FILLING WITH PREPARED SOILS. HAND TOOLS ARE NOT TO BE USED TO SCARIFY ROOT BALLS.
- ALL ROPE AND WRAPPING TWINE SHALL BE CUT AND REMOVED FROM AROUND THE UPPER PARTS OF THE ROOT BALL. METAL BASKET WIRES AND BURLAP SHALL BE PULLED BACK AND TUCKED UNDER THE EDGES OF THE SAUCER RINGS ON ALL TREES AND LARGE SHRUBS. ALL SYNTHETIC BURLAP SHALL BE REMOVED FROM PLANT BALLS PRIOR TO BACKFILLING.
- ALL PLANTING AREAS SHALL BE EDGED WITH SMOOTH, CONTINUOUS CURVES. PINE STRAW MULCH, IF SPECIFIED, SHALL BE ROLLED AND TUCKED ALONG PLANT BED EDGE.
- ALL PLANT MATERIAL SHALL BE PLANTED AT HEIGHTS AS ILLUSTRATED IN THE PLANTING DETAILS & PLANT LIST.
- TREE STAKING AND GUYING, IF NECESSARY, SHALL BE PERFORMED WITHIN A WEEK OF PLANTING. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TREE STAKING MATERIAL AFTER THE FIRST FULL GROWING SEASON OR ONE YEAR, WHICHEVER COMES FIRST.
- B & AS LISTED UNDER "ROOT" IN THE PLANT LIST INDICATES BALLED AND BURLAPPED.
- ALL PLANT BEDS AND RAISED SAUCER RINGS SHALL BE GRADED TO PROVIDE ADEQUATE DRAINAGE AND SHALL BE MULCHED AS SPECIFIED.
- ALL MATERIALS, PLANTING AND LANDSCAPE WORK SHALL CONFORM TO THE LOCAL OR COUNTY JURISDICTIONAL AUTHORITY'S STANDARD SPECIFICATIONS AND DETAILS.
- ALL LANDSCAPING SHALL BE MAINTAINED IN PERPETUITY.

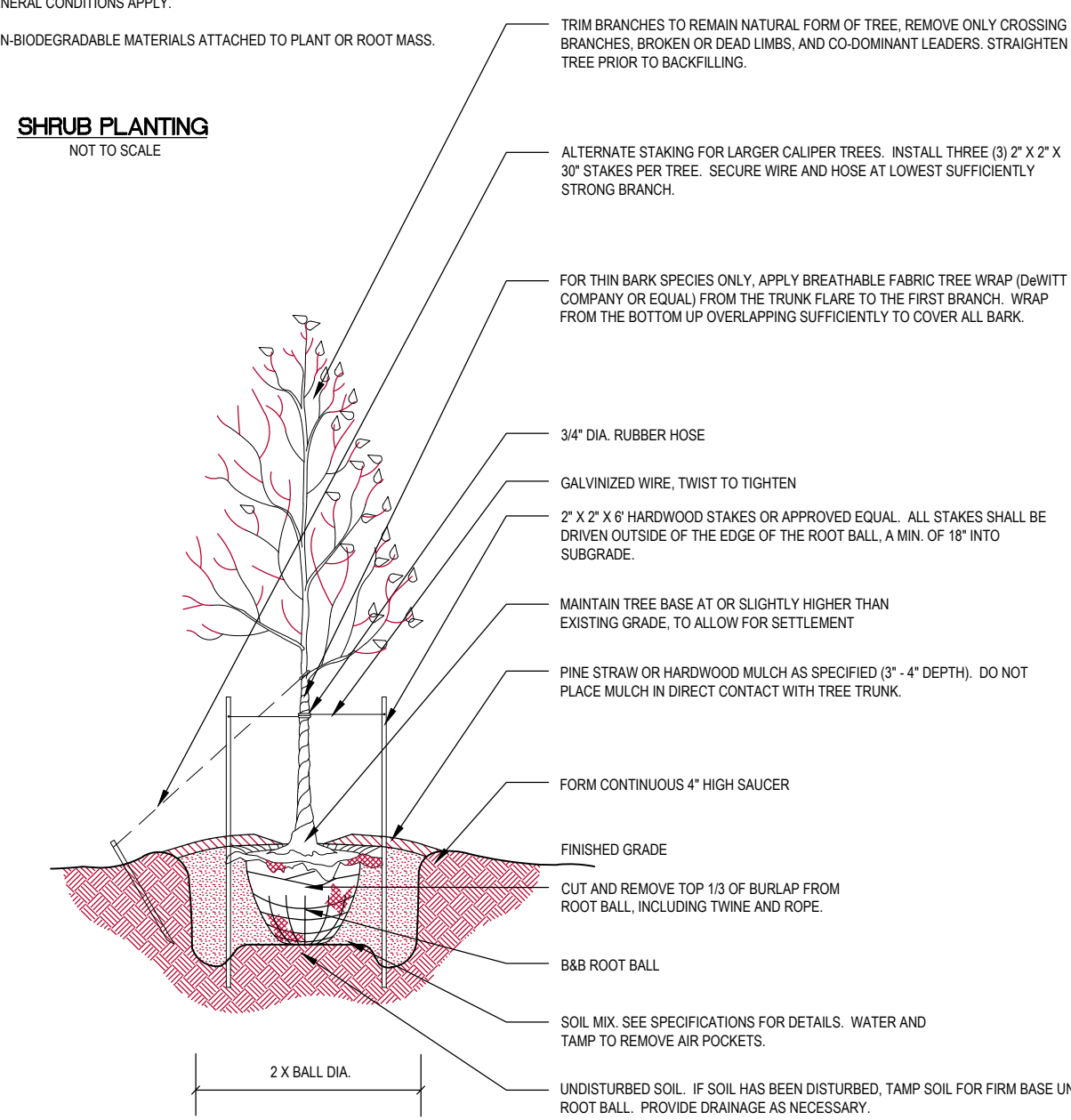


NOTES:

- ALL TECHNICAL SPECIFICATIONS AND GENERAL CONDITIONS APPLY.
- REMOVE ALL TAGS, TWINE OR OTHER NON-Biodegradable MATERIALS ATTACHED TO PLANT OR ROOT MASS.

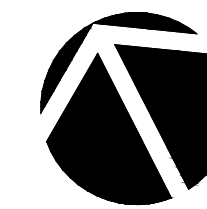
SHRUB PLANTING

NOT TO SCALE

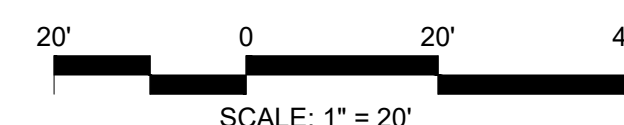


NOTES:

- ALL TECHNICAL SPECIFICATIONS AND GENERAL CONDITIONS APPLY.
- IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT WIRE BASKET IN SEVERAL PLACES AND FOLD DOWN A MINIMUM OF 4" INTO PLANTING HOLE. REMOVE ALL SYNTHETIC BURLAP FROM ROOT BALL PRIOR TO BACKFILLING.
- FOR CONTAINER GROWN TREES, SUFFICIENTLY SCARIFY ROOT BALL PRIOR TO PLANTING.



NORTH



DECIDUOUS TREE PLANTING
NOT TO SCALE

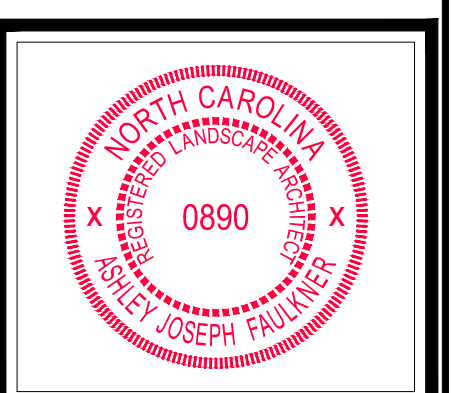
NO.	REVISIONS	DATE

CE GROUP

301 GLENWOOD AVE. 220
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PHONE: 919-367-8790
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www.cegroupinc.com

License # C-1739



**CAPE OVERLOOK
AMENITY CENTER**
#####

LILLINGTON, NORTH CAROLINA

Date: NOVEMBER 14, 2024

Scale: 1" = 20'

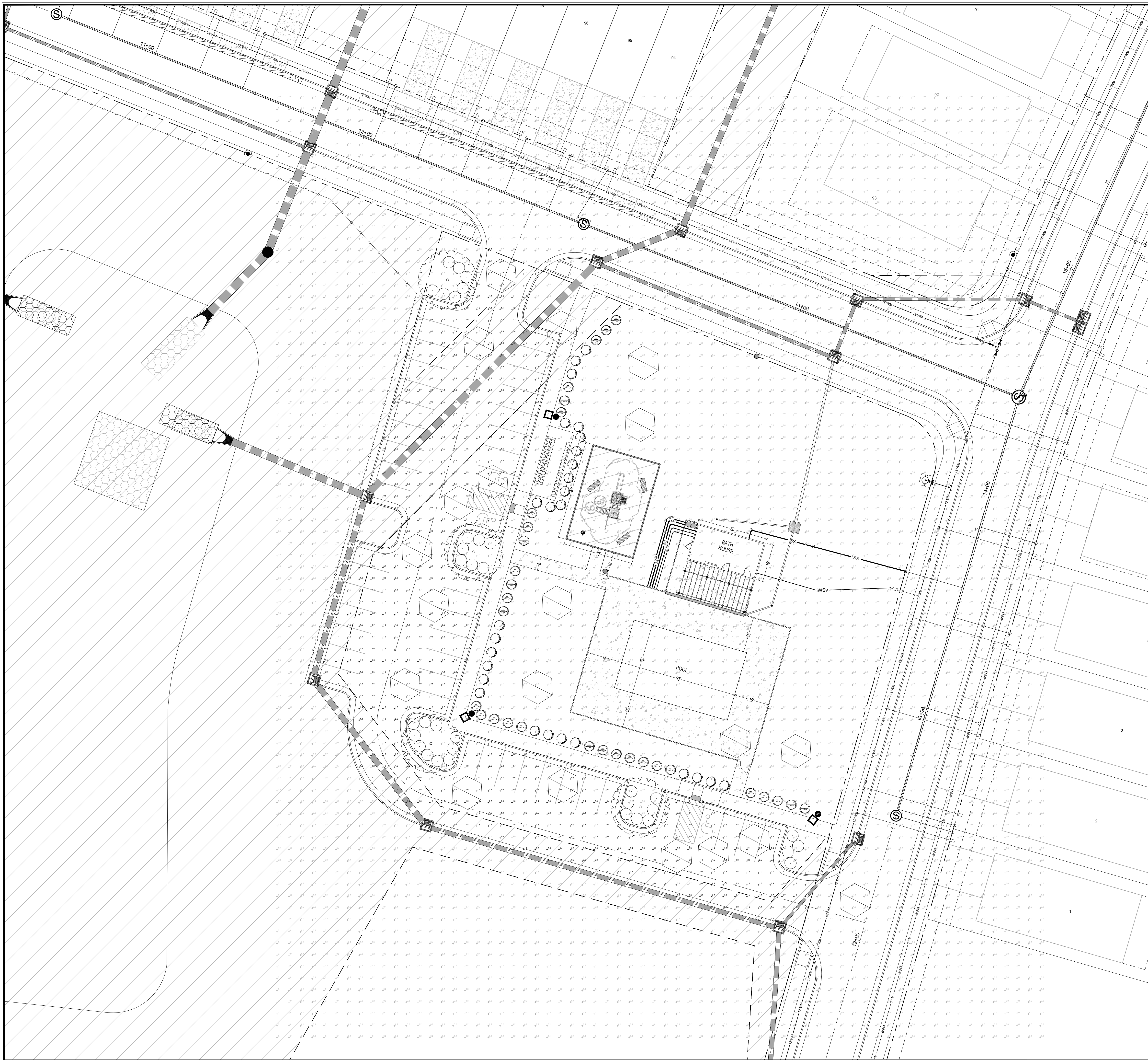
Drawn: RJH

Checked: AJF

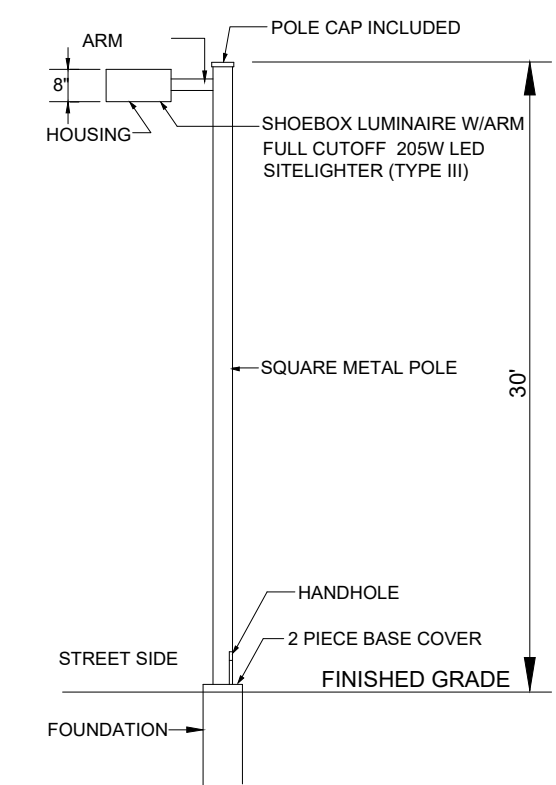
Project No: 147-07

Computer Dwg. Name: 147-07_amenity landscape plan

Sheet No: #
Of ##



LIGHTING DATA	
EAST SIDE PARKING LOT	
AVERAGE	1.6 fc
MINIMUM	0.4 fc
MAXIMUM	3.7 fc
AVG / MIN	4.0:1

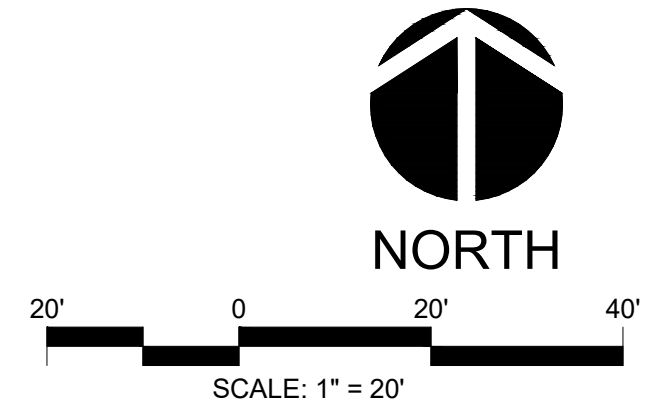


- NOTES:**
1. FINAL LEVELING OF POLE IS TO BE MADE THROUGH USE OF DOUBLE NUTS.
 2. ALL FOUR SIDES OF POLE ARE DRILLED WITH 3 HOLES AS SHOWN IN INSERT AND WASHERS PROVIDED WITH ANCHOR BOLTS OR GALVANIZED SHIMS. ABOVE TO ACCOMMODATE A MAXIMUM OF FOUR LUMINAIRES. STEEL PLATES OR PLUG COVER EACH SIDE UNTIL UNITS ARE INSTALLED.
 3. SPECIAL HANDLING OF THESE SQUARE POLES IS NECESSARY TO MINIMIZE DAMAGE TO FINISH OF POLE. A NYLON SLING SHOULD BE USED TO LIFT POLE AT ALL TIMES. CHAINS, CABLES, OR ROPES MUST NOT BE USED. A CAN OF TOUCH-UP PAINT IS INCLUDED WITH ACCESSORIES FOR EACH POLE.
 4. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR ASSEMBLY AND ATTACHMENT OF FIXTURE(S) AND ARM(S) TO POLE.
 5. WHEN APPLICABLE, NEW POLE SHALL BE POSITIONED SUCH THAT THE HANDHOLE IS FACING AWAY FROM THE STREET.
 6. FOR MULTIPLE LIGHTING CIRCUITS, CONNECT THE SOURCE AND LOAD CONDUCTORS INTO THE HANDHOLE AND CONNECT USING WIRE NUTS FOR ALL #10 CONDUCTORS OR THE STREETLIGHT CONNECTION BLOCK FOR LARGER (1/0 MAX.) SOURCE AND LOAD CONDUCTORS.

SHOEBOX LUMINAIRES AND SQUARE POLES
N.T.S.

- LEGEND**
- LED POLE TOP LIGHTS
 - 3 EACH - 205W SITELIGHTER - DUKE ENERGY
 - PROGRESS - 4000K LED FIXTURE W/ TYPE III
 - THROW PATTERN - 205W - 30' MOUNTING HEIGHT
 - 15° TILT

- LIGHTING NOTES**
1. THE CE GROUP, INC. IS NOT RESPONSIBLE FOR SAFETY AND SECURITY RISKS DUE INADEQUATE LIGHTING LEVELS.
 2. ALL FIXTURES TO MEET IESNA FULL CUTOFF CLASSIFICATION.
 3. UNDERGROUND UTILITIES (EXISTING AND PROPOSED) ARE FOR INFORMATIONAL PURPOSES ONLY. SEE APPROPRIATE SHEET IN THIS SET FOR DETAILS. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE OWNER AND/OR ENGINEER OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.



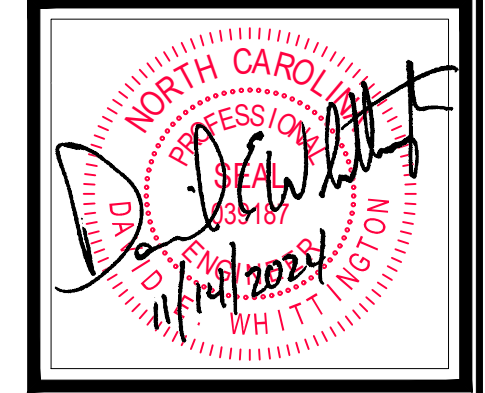
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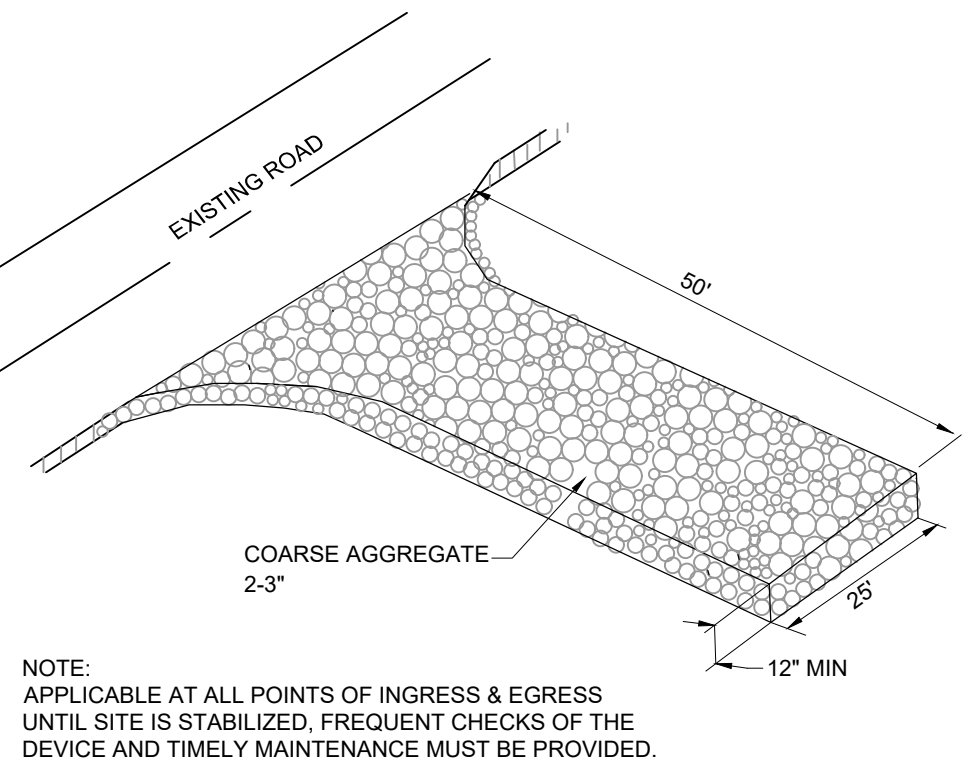


**CAPE OVERLOOK
AMENITY CENTER
LIGHTING PLAN**

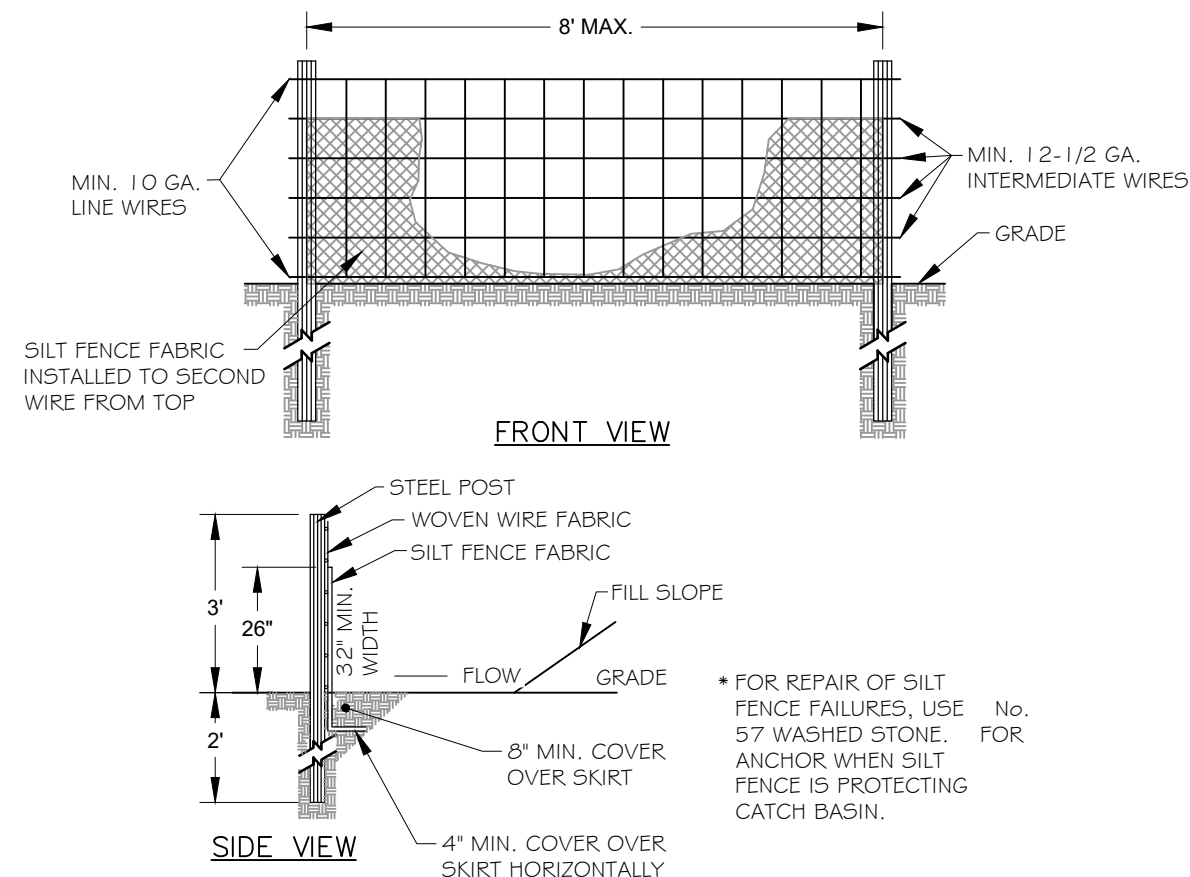
LILLINGTON, NORTH CAROLINA

Date:	NOVEMBER 14, 2024
Scale:	1" = 20'
Drawn:	RJH
Checked:	AJF
Project No.:	147-07
Computer Dwg. Name:	147-07 lighting plan

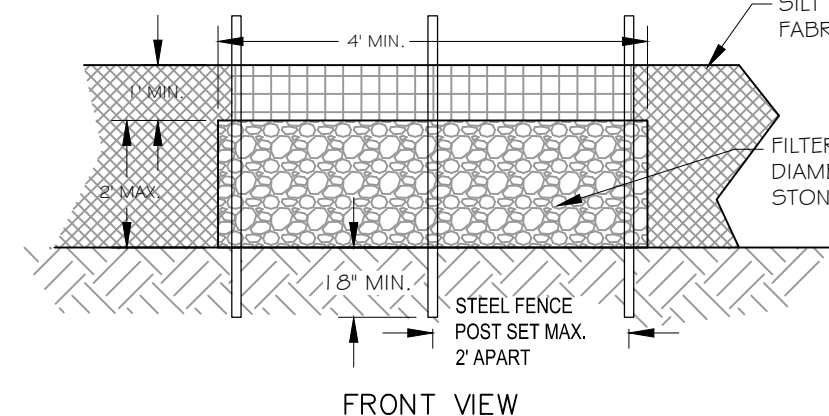
- GRAVEL PAD TO BE 25' x 100' AND 12" THICK MINIMUM.
- TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
- ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILIZATION BY ALL CONSTRUCTION VEHICLES.
- MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOP-DRESSING WITH STONE MAY BE NECESSARY. KEEP SOME HANDY.
- ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
- IF CONSTRUCTION ON THE SITE IS SUCH THAT MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLE MUST BE WASHED BEFORE ENTERING THE EXISTING ROAD.



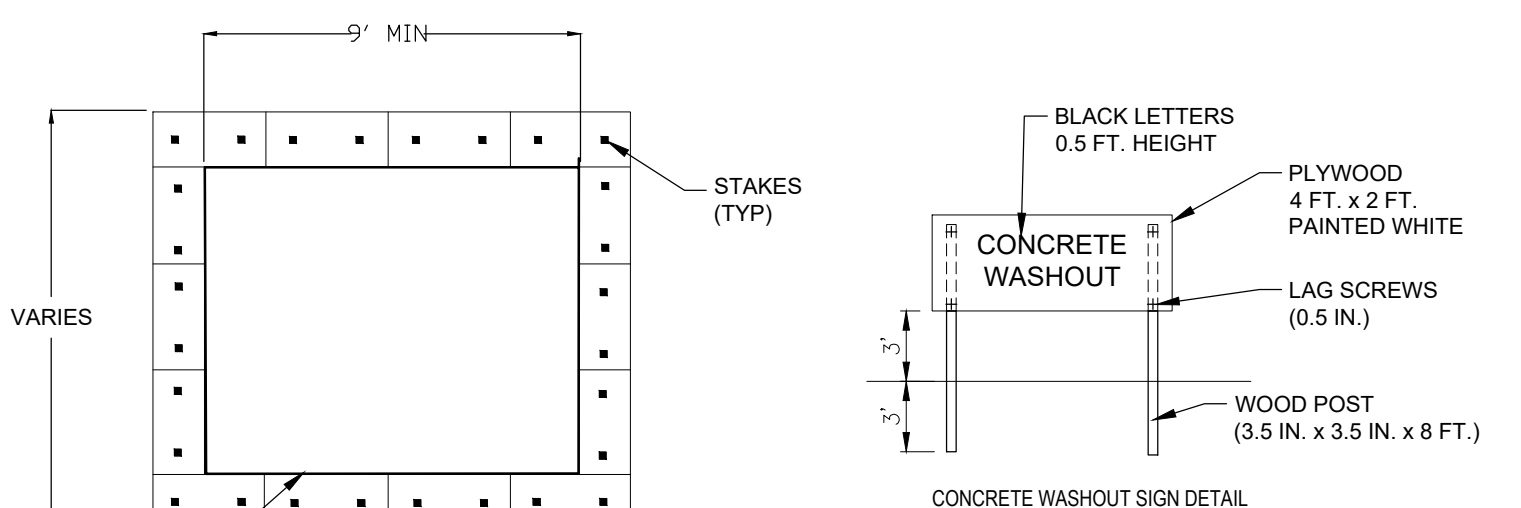
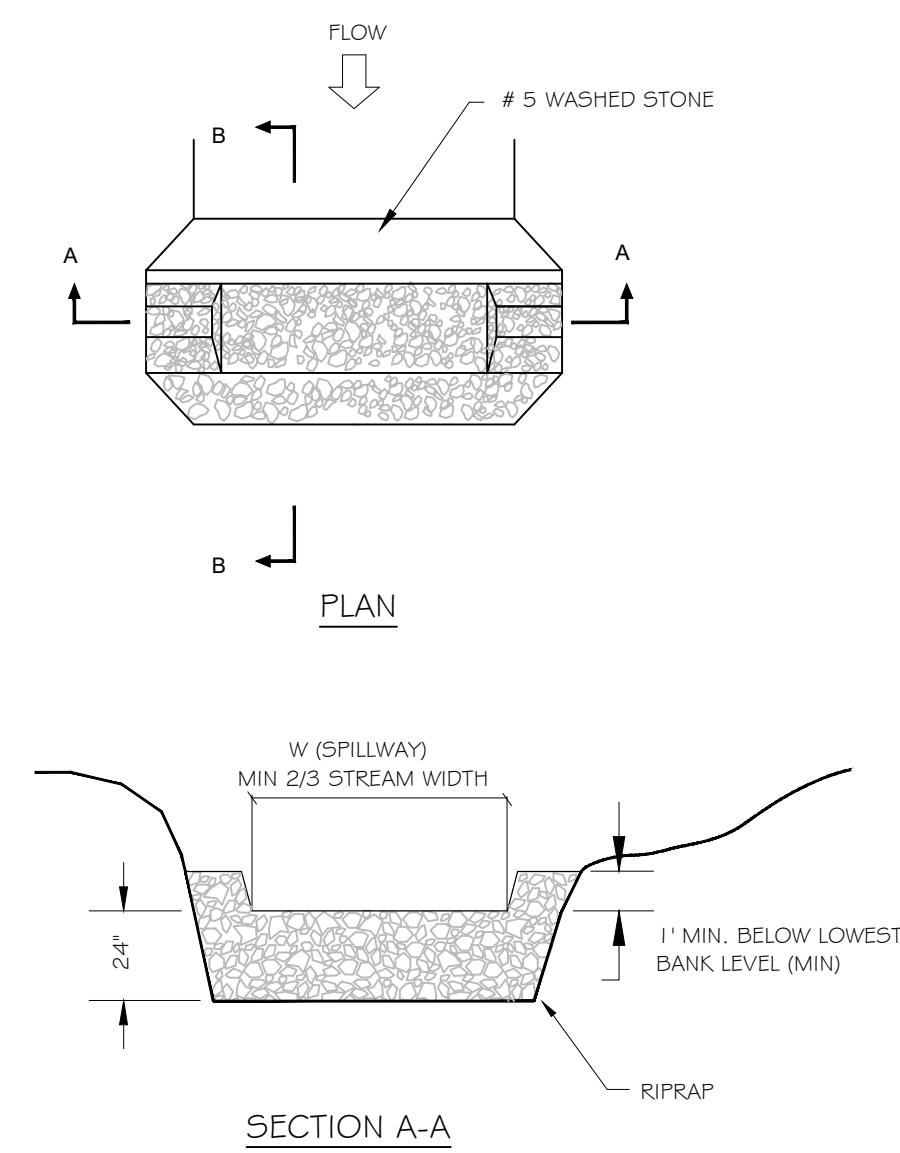
TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



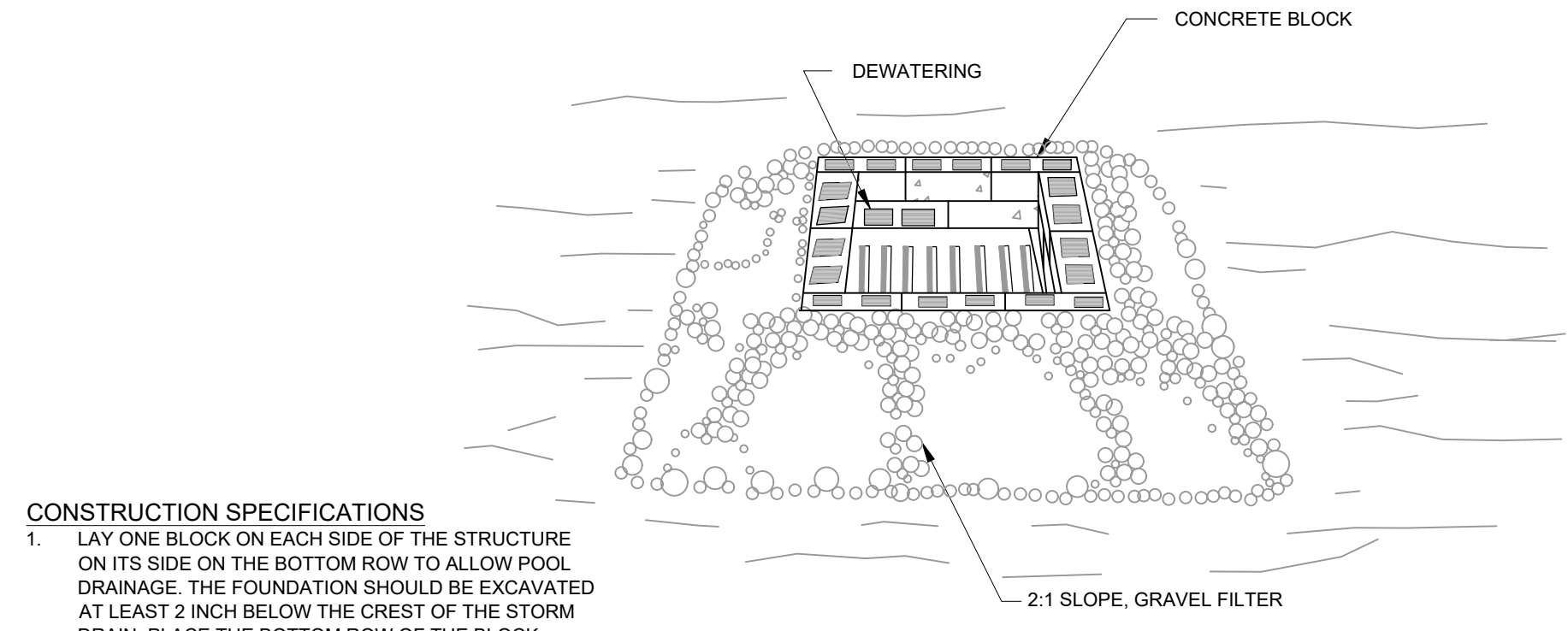
TEMPORARY SILT FENCE
N.T.S.



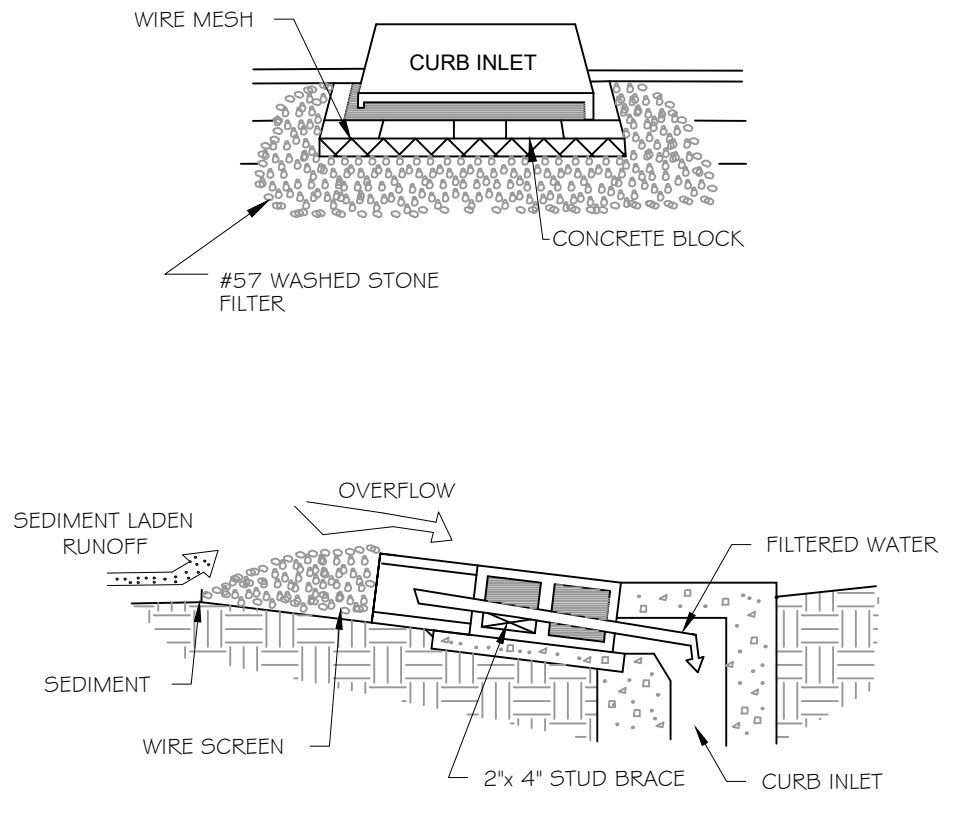
SILT FENCE OUTLET
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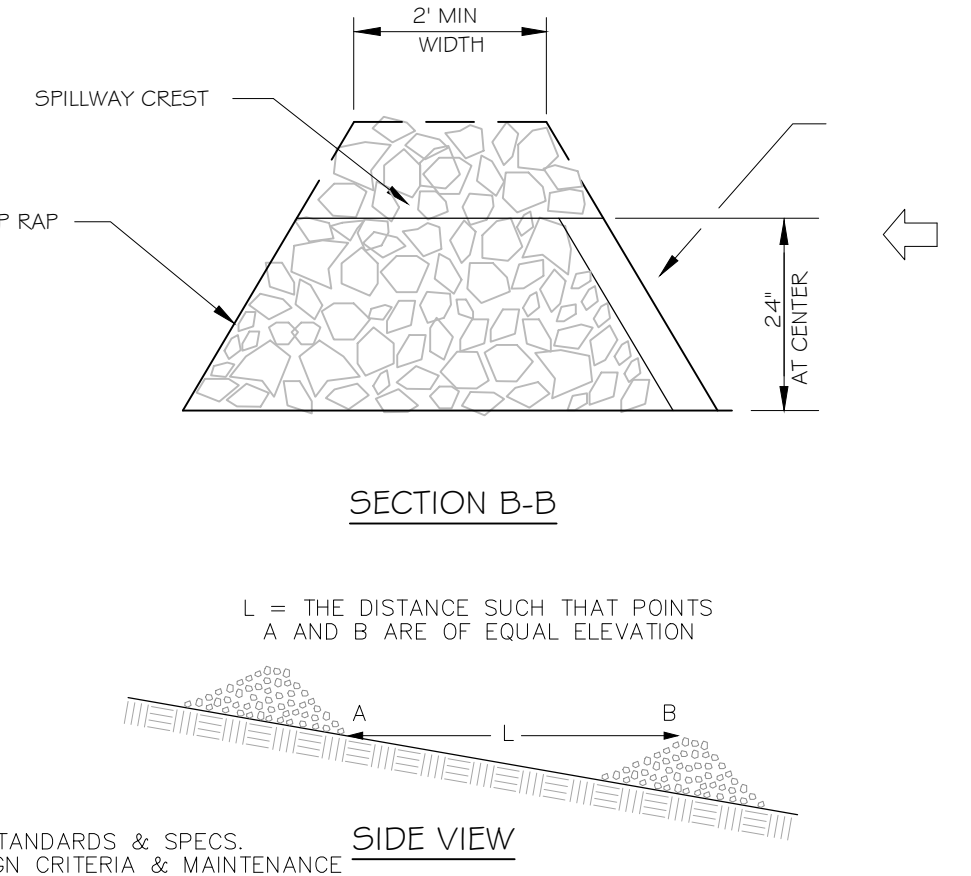
CONCRETE WASHOUT-ABOVE GRADE
N.T.S.



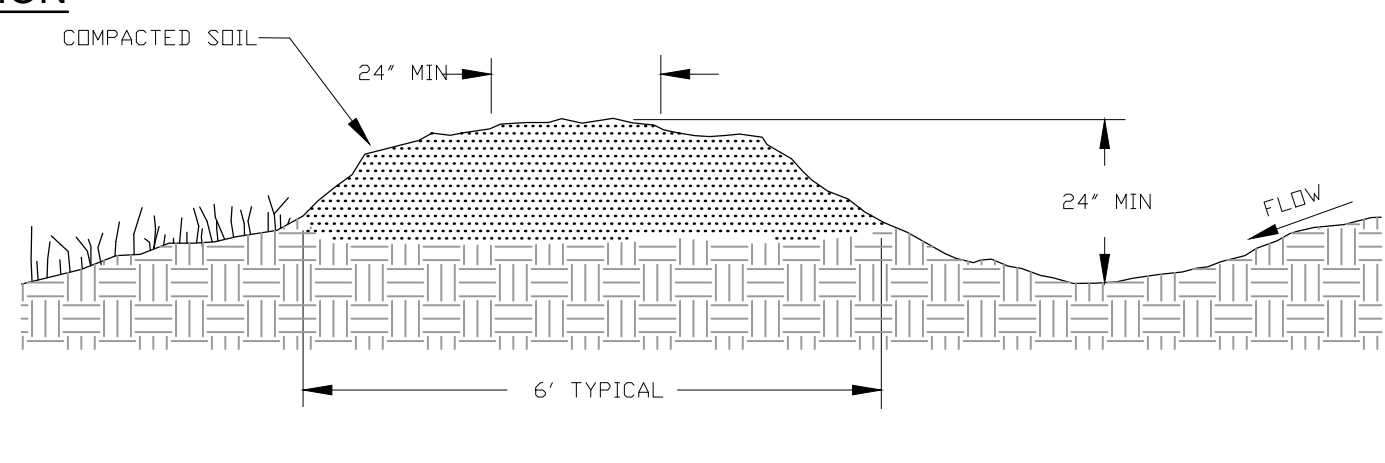
BLOCK AND GRAVEL INLET PROTECTION
N.T.S.



BLOCK AND GRAVEL CURB INLET PROTECTION
N.T.S.



TEMPORARY STONE CHECK DAM
N.T.S.



TEMPORARY DIVERSION BERM/SWALE
N.T.S.

- ### CONSTRUCTION SPECIFICATIONS
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE ON THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCH BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF THE BLOCK AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2x4 WOOD STUDS THROUGH BLOCK OPENINGS.
 - CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENING OVER ALL BLOCK OPENING TO HOLD GRAVEL IN PLACE.
 - USE CLEAN GRAVEL, 3/4- TO 1/2-INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.

- ### MAINTENANCE NOTES:
- NIDES PERMIT COMPLIANCE REQUIRES INSPECTIONS EVERY 7 CALENDAR DAYS BY A NPDES QUALIFIED INSPECTOR AND PERIODIC INSPECTIONS WITHIN 24 HOURS OF ANY RAINFALL EVENT OF 0.5 INCHES OR GREATER. THESE INSPECTIONS MAY RESULT IN RECOMMENDATIONS FOR ROUTINE MAINTENANCE OF THE SOIL EROSION CONTROL DEVICES, AS WELL AS FURTHER MAINTENANCE AS OUTLINED BELOW.
- THROUGHOUT THE CONSTRUCTION PERIOD, ALL MUD/SILT TRACKED ONTO EXISTING TOWN/STATE ROADS FROM THE SITE DUE TO CONSTRUCTION SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.
 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT
 - MAINTAIN THE GRAVEL PAD (CONSTRUCTION ENTRANCE/EXIT) IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP-DRESSING WITH 2-INCH STONE.
 - AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.
 - SEDIMENT FENCE (SILT FENCE)
 - INSPECT SEDIMENT FENCES (SILT FENCE) AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 - SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DISCOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 - REMOVE SEDIMENT DEPOSITS ONCE ACCUMULATION HAS REACHED HALF OF THE HEIGHT OF THE SILT FENCE TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
 - REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
 - SEDIMENT FENCE (SILT FENCE) OUTLETS
 - INSPECT SILT FENCE OUTLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT. CLEAR THE WIRE FENCE AND HARDWARE CLOTH OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH OR HARDWARE CLOTH DURING SEDIMENT REMOVAL.
 - REPLACE STONE AS NEEDED.
 - TEMPORARY DIVERSION DITCH
 - INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE.
 - CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.
 - WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.
 - TEMPORARY SEEDING:

RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, RE-FERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.
 - EXCAVATED DROP INLET PROTECTION
 - INSPECT, CLEAN, AND PROPERLY MAINTAIN THE EXCAVATED BASIN AFTER EVERY STORM UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED. TO PROVIDE SATISFACTORY BASIN EFFICIENCY, REMOVE SEDIMENT WHEN THE VOLUME OF THE BASIN HAS BEEN REDUCED BY HALF.
 - SPREAD ALL EXCAVATED MATERIAL EVENLY OVER THE SURROUNDING LAND AREA OR STOCKPILE AND STABILIZE IT PROPERLY.
 - HARDWARE CLOTH AND GRAVEL INLET PROTECTION
 - INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT.
 - CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL.
 - REPLACE STONE AS NEEDED.

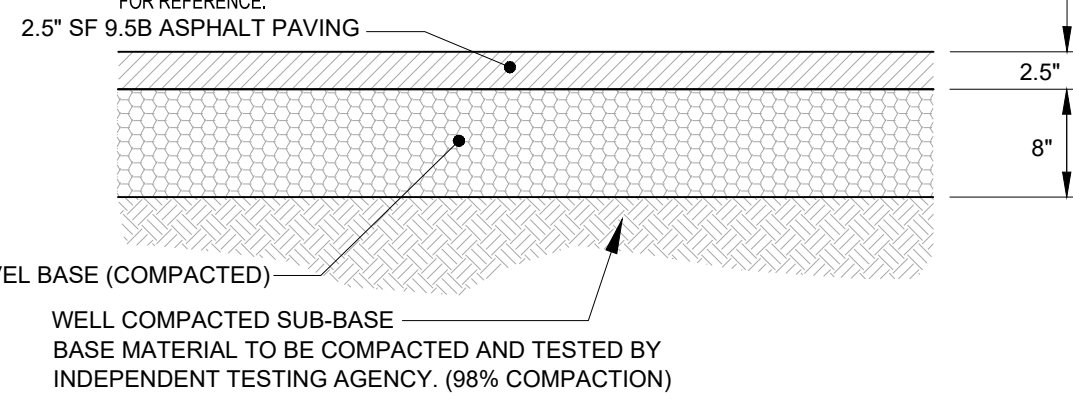
- BLOCK AND GRAVEL INLET PROTECTION
 - INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT AND MAKE REPAIRS AS NECESSARY.
 - REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.
 - WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSUITABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.
- SKIMMER BASINS
 - INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.
 - REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.
 - IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLodge THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED. IF SO REMOVE THE DEBRIS.
 - IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
 - CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND DEBRIS FROM THE SKIMMER AND POOL AREAS. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE. IF ICE IS PRESENT IN THE SKIMMER BASIN, REMOVE IMMEDIATELY.
- CHECK DAMS & WATTLE/SILT SOCKS (AND WITH WEST RIVER)
 - INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT, STRAW LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.
 - ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL. (PRACTICE 3.1 RIPRAP-LINED AND PAVED CHANNELS OF NCDENR EROSION & SEDIMENTATION CONTROL MANUAL).
 - REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION. ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.
- PERMANENT SEEDING:
 - INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEEDINGS WITHIN THE SAME SEASON, IF POSSIBLE.
 - RESEEDING - IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND AFTER SEEDBED PREPARATION OR OVER-SEED THE STAND. CONSIDER SEEDING TEMPORARY ANNUAL SPECIES IF THE TIME OF YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.
 - IF VEGETATION FAILS TO GROW, SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCE IS RESPONSIBLE.
 - FERTILIZATION - ON THE TYPICAL DISTURBED SITE, FULL ESTABLISHMENT USUALLY REQUIRES RE-FERTILIZATION IN THE SECOND GROWING SEASON. FINE TURF REQUIRES ANNUAL MAINTENANCE FERTILIZATION (9TABLE 6, 12B). USE SOIL TESTS IF POSSIBLE OR FOLLOW THE GUIDELINES GIVEN FOR THE SPECIFIC SEEDING MIXTURE.
- ROCK PIPE INLET PROTECTION
 - INSPECT ROCK PIPE INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.
 - CHECK THE STRUCTURE FOR DAMAGE, AND RIPRAP DISPLACED FROM THE STONE HORSESHOE MUST BE REPLACED IMMEDIATELY.
 - AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND PROVIDE PERMANENT GROUND COVER (SURFACE STABILIZATION).
- DEWATERING DEVICE
 - INSPECT DEWATERING DEVICE AND STABILIZED OUTLET AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE ANY ACCUMULATED SEDIMENT WITHIN STONE PAD AND STABILIZED OUTLET.
 - ANY DEWATERING FROM SEDIMENT CONTROL DEVICE MUST BE DONE WITHIN LIMITS OF DISTURBANCE AND THROUGH A FILTER BAG.
- SEDIMENT PIT (FOR SILT FENCE OUTLET)
 - INSPECT SEDIMENT PIT AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE PIT. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE WATTLE AND STONE FOR SILT FENCE OUTLET IF NECESSARY.
 - AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND PROVIDE PERMANENT GROUND COVER (SURFACE STABILIZATION).
- RIPPRAP OUTLET STRUCTURE
 - INSPECT WEEKLY AND AFTER SIGNIFICANT (1/2 OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
- RIPPRAP CHANNEL
 - INSPECT CHANNELS AT REGULAR INTERVALS AS WELL AS AFTER MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTERS. CAREFULLY CHECK STABILITY AT ROAD CROSSINGS, AND LOOK FOR INDICATIONS OF PIPING, SCOUR HOLES, OR BANK FAILURES. MAKE REPAIRS IMMEDIATELY. MAINTAIN ALL VEGETATION ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION TO PROTECT THE AREA FROM EROSION AND SCOUR DURING OUT-OF-BANK FLOWS.
- ROLLED EROSION CONTROL PRODUCTS
 - INSPECT WEEKLY AND AFTER SIGNIFICANT (1/2 OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE ROLLED EROSION CONTROL PRODUCT (RECP) HAS TAKEN PLACE, IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
 - GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND EROSION MUST NOT OCCUR BENEATH THE RECP. ANY AREAS OF THE RECP THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED.
 - IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED.
 - MONITOR AND REPAIR THE RECP AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

1) GROUND STABILIZATION *	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS	4) INSPECTIONS
<ul style="list-style-type: none"> PERMETER, DICES, SWALES, DITCHES, AND SLOPES 	7 DAYS	NONE	<ul style="list-style-type: none"> SAME WEEKLY INSPECTION REQUIREMENTS SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL" BUSINESS HOURS INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE ON REQUEST ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.
<ul style="list-style-type: none"> HIGH QUALITY WATER (HOW) ZONES 	7 DAYS	NONE	
<ul style="list-style-type: none"> SLOPES STEEPER THAN 3:1 	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED	5) IMPLEMENTATION OF NEW PERMIT CONDITIONS <ul style="list-style-type: none"> PROJECTS PERMITTED UNDER THE PREVIOUS PERMIT CAN CONTINUE TO FOLLOW THE PREVIOUSLY PERMITTED CONDITIONS. COMPLETE APPLICATIONS RECEIVED PRIOR TO AUGUST 3, 2011 CAN FOLLOW CONDITIONS OF APPROVED APPLICATION. APPLICATIONS RECEIVED AFTER AUGUST 2, 2011 MUST COMPLY WITH NEW PERMIT CONDITIONS.
<ul style="list-style-type: none"> SLOPES 3:1 OR FLATTER 	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH	
<ul style="list-style-type: none"> ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 	14 DAYS	NONE (EXCEPT FOR PERMETERS AND HOW ZONES)	6) CONDITIONS IN EROSION & SEDIMENTATION CONTROL PLANS * <ul style="list-style-type: none"> DESIGNATION ON THE PLANS WHERE THE 7 AND 14 DAY GROUND STABILIZATION REQUIREMENTS OF THE NPDES PERMIT APPLY DESIGNATION ON THE PLANS WHERE BASINS THAT COMPLY WITH THE SURFACE WITHDRAWAL REQUIREMENTS OF THE NPDES PERMIT ARE LOCATED.
2) BUILDING WASTES HANDLING <ul style="list-style-type: none"> NO FLUID OR LIQUID WASTES IN STREAM OR STORM DRAINS DEDICATED AREAS FOR DEDICATION OF CONSTRUCTION AND OTHER WASTES MUST BE LOCATED BY FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE EXTRINSIC MATERIAL STOCKPILES MUST BE LOCATED 50 FEET FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE 			7) SEDIMENT BASINS <ul style="list-style-type: none"> OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE. USE ONLY DVA-APPROVED FLOCCULANTS

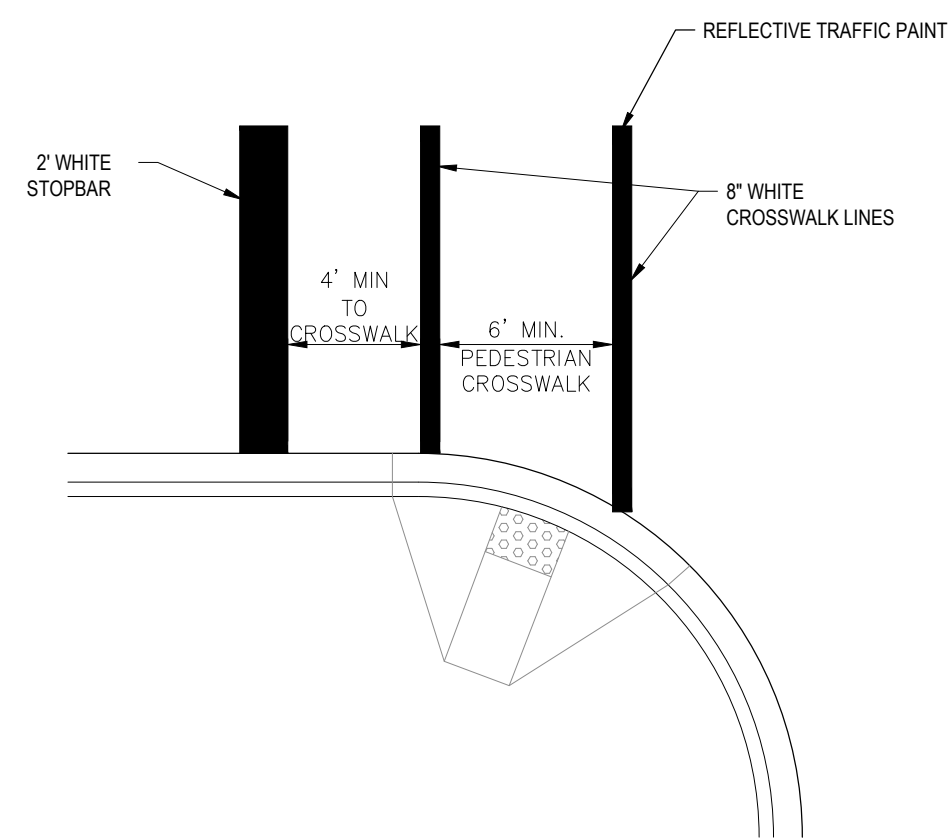
<p>CE GROUP</p> <p>301 GLENWOOD AVE. 220 RALEIGH, NC 27603 PHONE: 919-367-8790 FAX: 919-322-0032</p> <p>www.cegroupinc.com License # C-1739</p>	<p>DATE</p> <p>NO.</p> <p>REVISIONS</p>
<p>CAPE OVERLOOK AMENITY CENTER EROSION CONTROL DETAILS</p> <p>LILLINGTON, NORTH CAROLINA</p>	<p>Date: NOVEMBER 14, 2024</p> <p>Scale: N/A</p> <p>Drawn: R.J.H</p> <p>Checked: A.J.F</p> <p>Project No: 147-07</p> <p>Computer Dwg. Name: 147-07 amenity details</p> <p>Sheet No: 7 Of 10</p>

ASPHALT PAVEMENT NOTES

- DESIGN PAVEMENT TO MEET SPECIFICATIONS OF TOWN OF LILLINGTON FOR STREETS WITHIN DEVELOPMENT AND NCDOT FOR WORK WITHIN MATTHEWS ROAD RIGHT-OF-WAY. COORDINATE TESTING AND INSPECTIONS WITH APPROPRIATE JURISDICTION.
- DETAIL IS FOR ON-SITE PAVING OPERATIONS ONLY.
- THE CONTRACTOR MAY CHOOSE TO INSTALL INTERMEDIATE COURSES OF PAVEMENT TO STABILIZE THE SITE DURING CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ADEQUATE THICKNESS REQUIRED FOR INTERMEDIATE PAVING. INCREASES IN THE DESIGN PAVEMENT SECTION TO FACILITATE INTERMEDIATE PAVING SHALL BE PROVIDED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGES TO SUB-GRADE, INSTALLED BASE COURSE AND/OR INTERMEDIATE PAVING PRIOR TO PLACING SUBSEQUENT PAVEMENT LIFTS AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING PAVEMENT DURING ALL PHASES OF WORK. THE FINAL SURFACE OF PAVEMENT SHALL BE FREE OF ALL DEFECTS OR DAMAGE.
- GEOTECHNICAL REPORT IS BY TM ENGINEERING, INC. SEE "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION" DATED AUGUST 23, 2022, FOR REFERENCE.

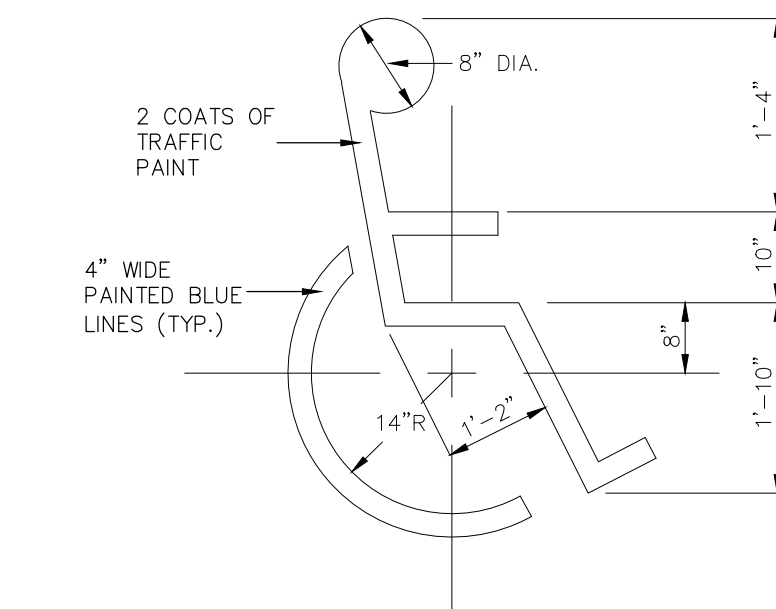


ASPHALT PAVING (PARKING AREA)
NOT TO SCALE

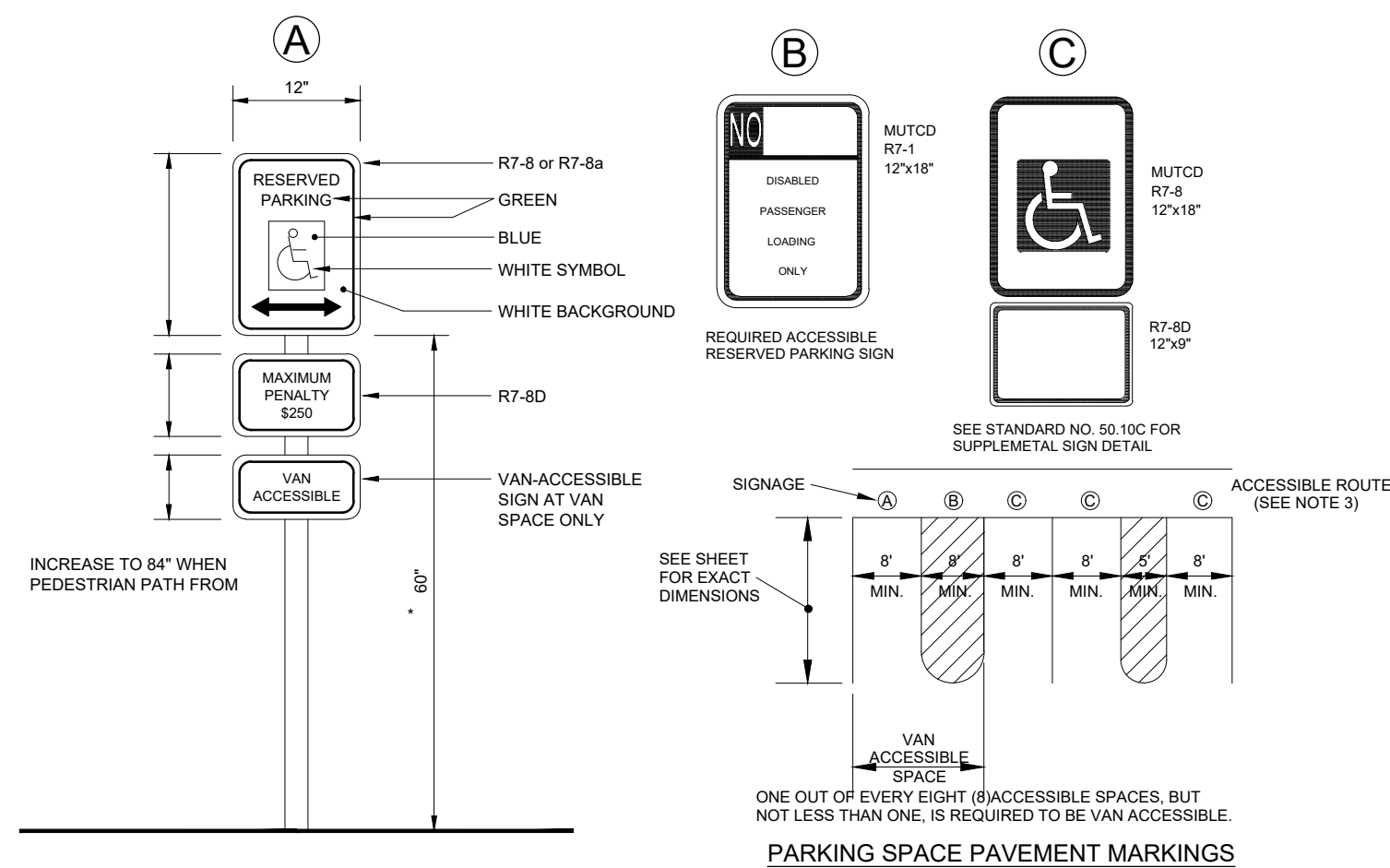


STANDARD DRIVEWAY DETAIL
NOT TO SCALE

STANDARD CROSSWALK



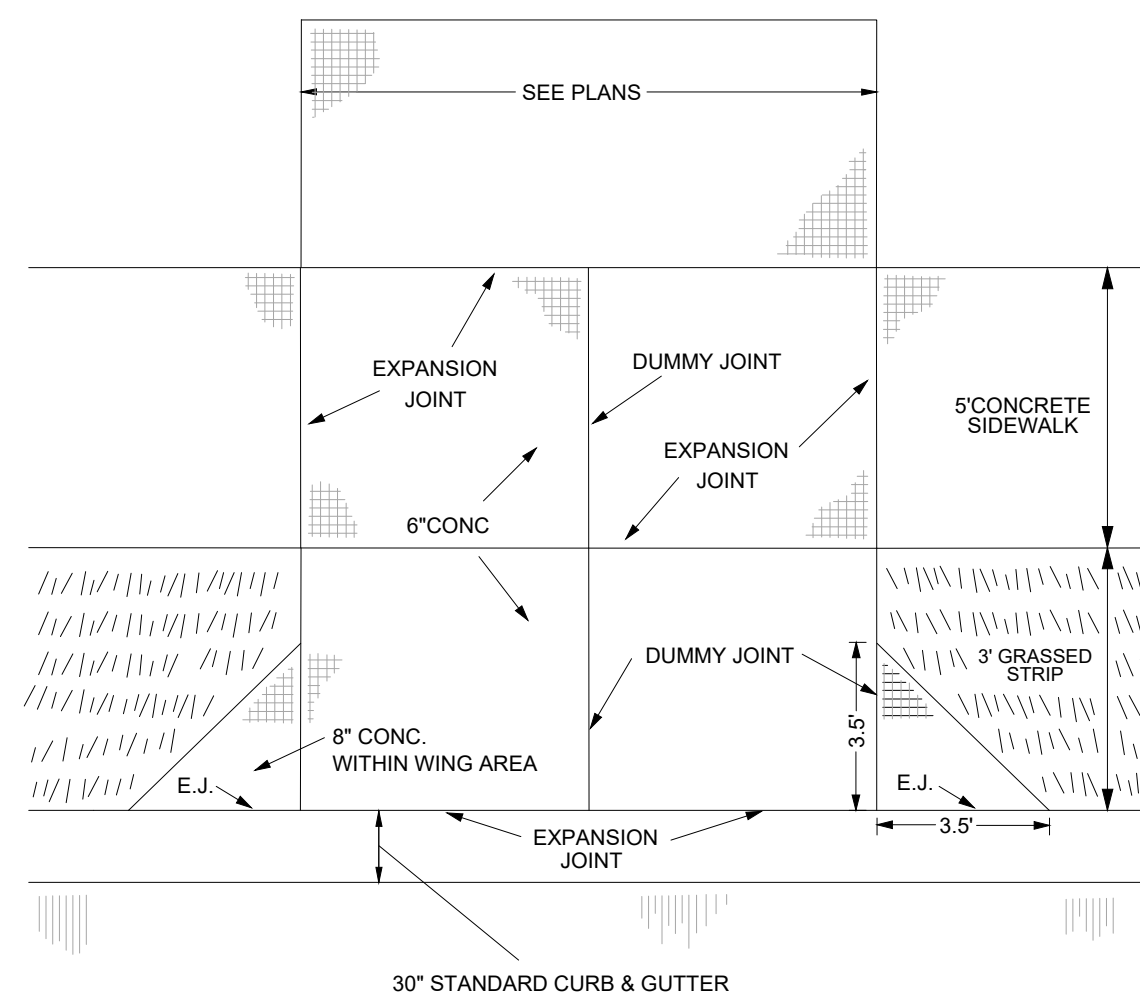
ADA ACCESSIBLE PARKING SPACE DETAIL
NOT TO SCALE



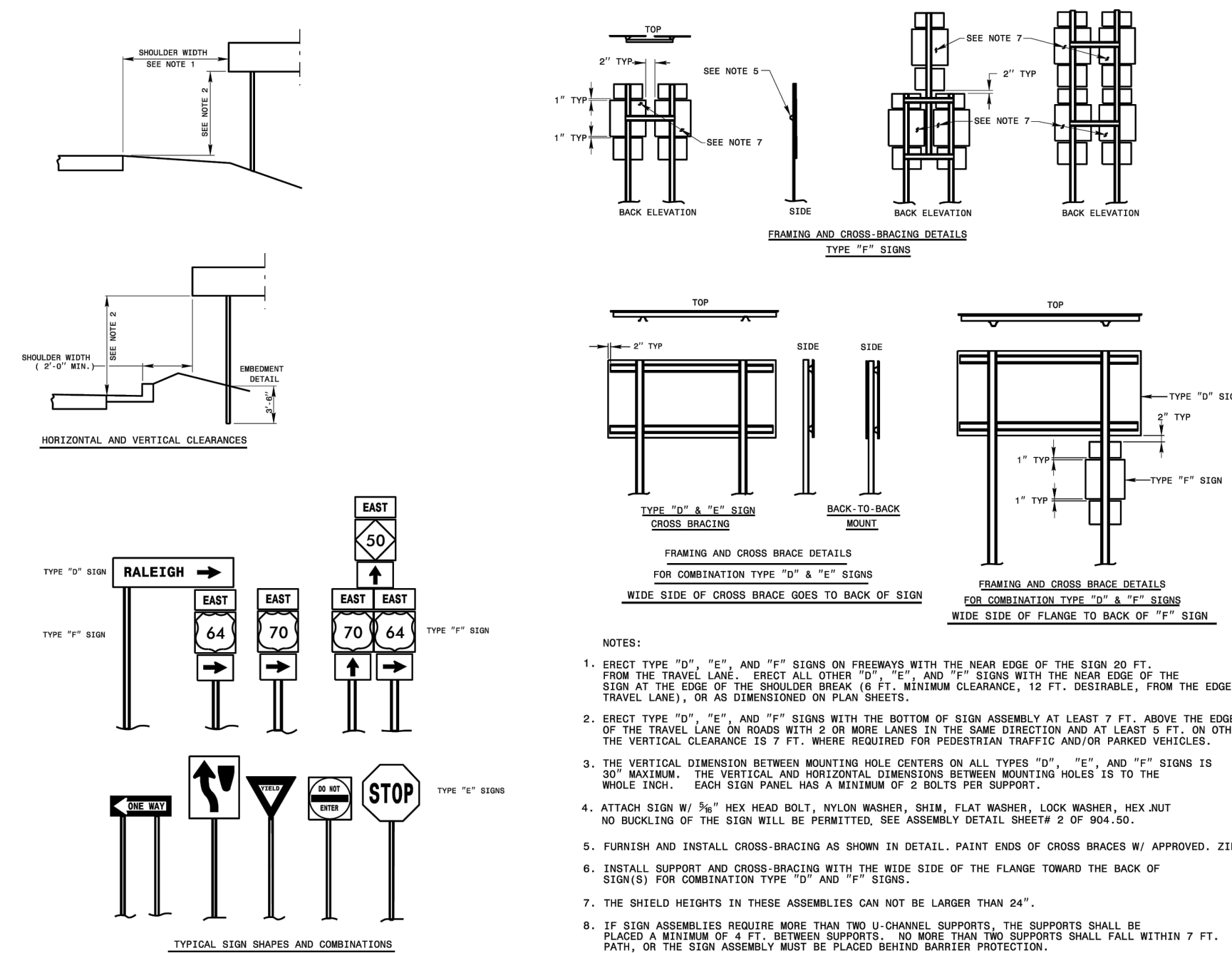
R7-8 HANDICAP SIGN DETAIL
NOT TO SCALE



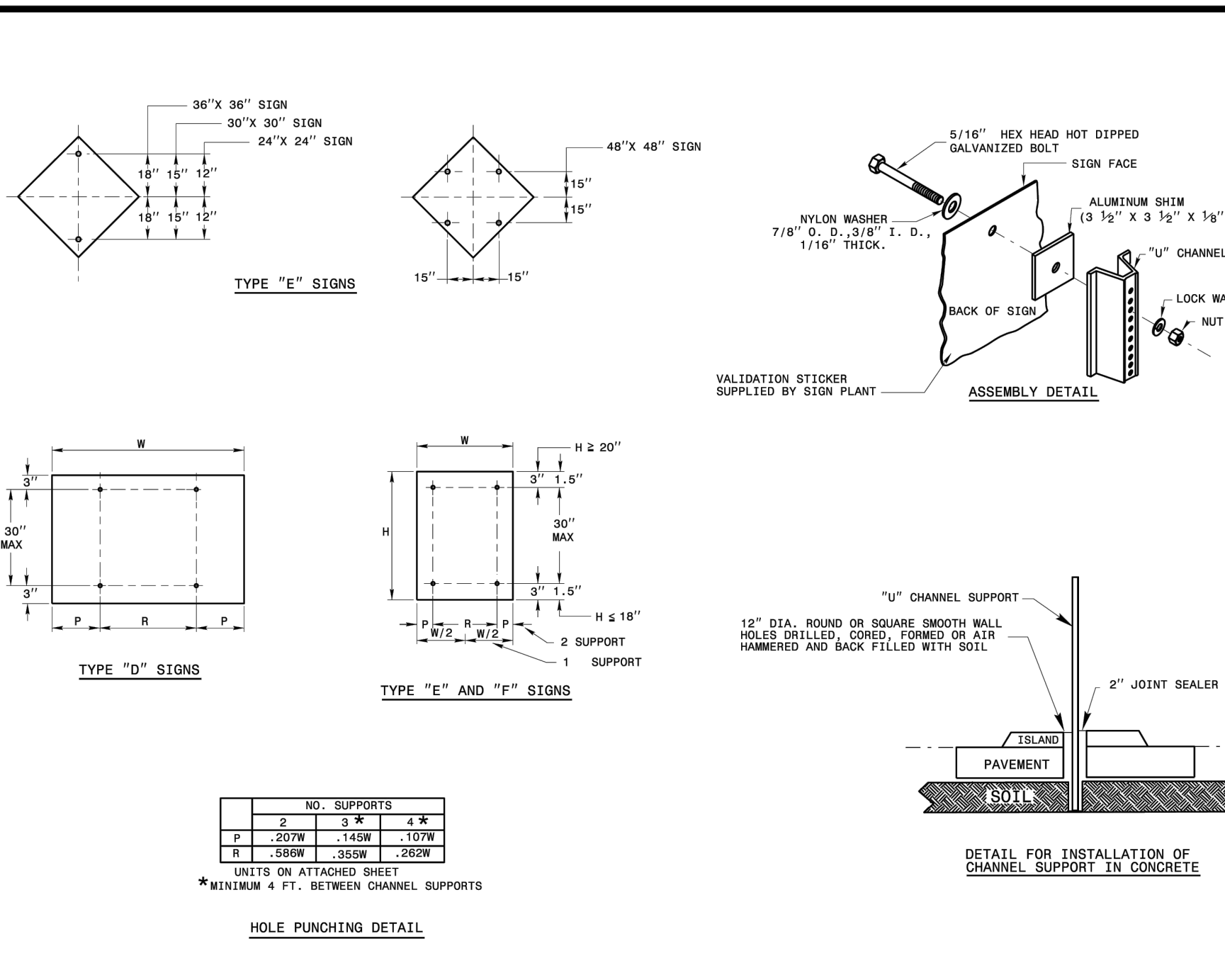
INSTALL PER NCDOT DETAILS THIS SHEET



- NOTES:**
- SEE DETAIL FOR CURB AND GUTTER DETAILS.
 - EXPANSION MATERIAL SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - ALL CONCRETE SHALL BE 3000 PSI (MIN.).
 - SIDEWALK SHALL BE 6\"/>



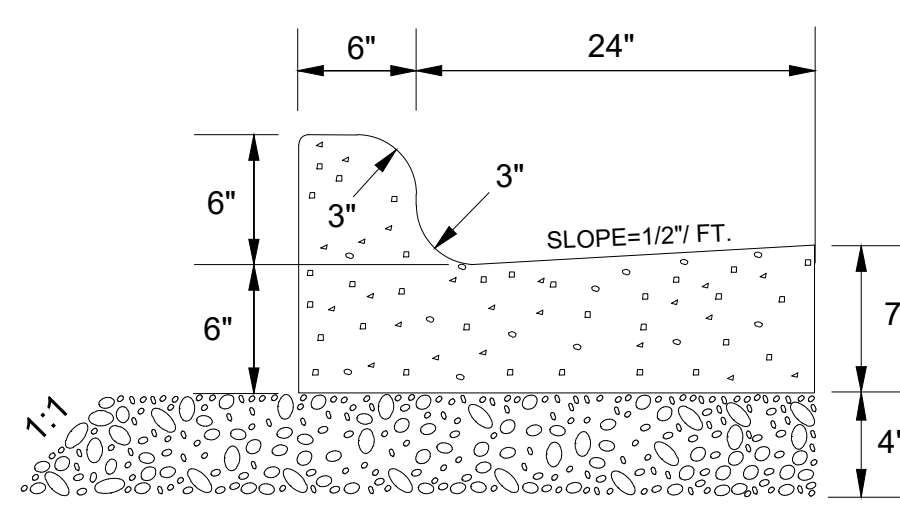
- NOTES:**
- ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 50 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF THE TRAVEL LANE) OR AS DIMENSIONED ON PLAN SHEETS.
 - ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT., ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
 - THE VERTICAL DIMENSION BETWEEN MOUNTING HOLES EXCEEDS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30\"/>



NO. SUPPORTS	2	3	4
P	201W	145B	110W
R	550W	555W	202W

UNITS ON ATTACHED SHEET
*MINIMUM 4 FT. BETWEEN CHANNEL SUPPORTS

DETAIL FOR INSTALLATION OF CHANNEL SUPPORT IN CONCRETE



STANDARD CURB DETAIL
NOT TO SCALE

- NOTES:**
- 10\"/>

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS

SHEET 1 OF 2 904.50

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS

SHEET 2 OF 2 904.50

NO.	REVISIONS	DATE

CE GROUP

301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032

www.cegroupinc.com

License # C-1739

Professional Engineer
J. J. Whitton
11/14/2024

CAPE OVERLOOK AMENITY CENTER SITE DETAILS

LILLINGTON, NORTH CAROLINA

Date: NOVEMBER 14, 2024

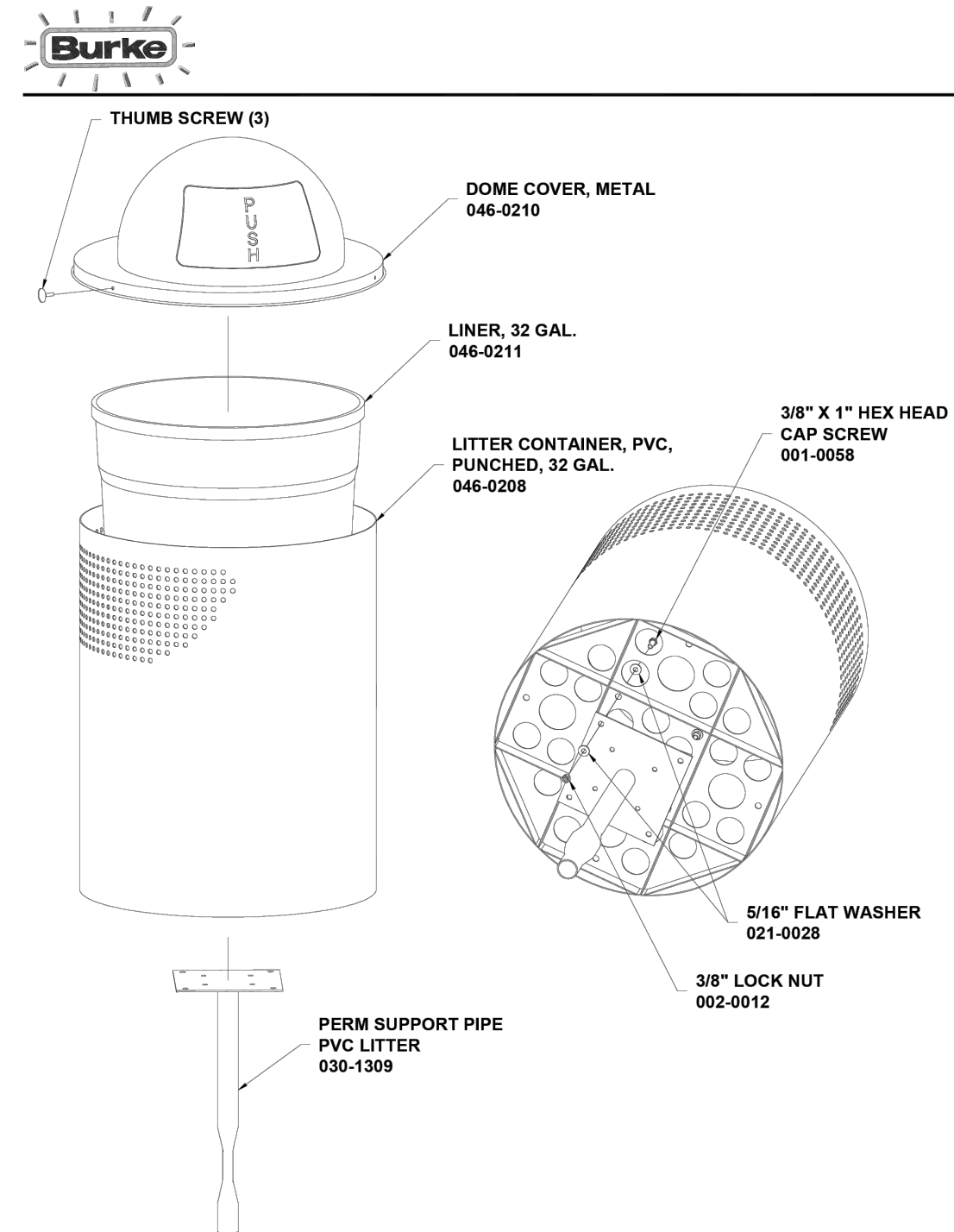
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Drawn: RJH

Checked: AJF

Project No: 147-07

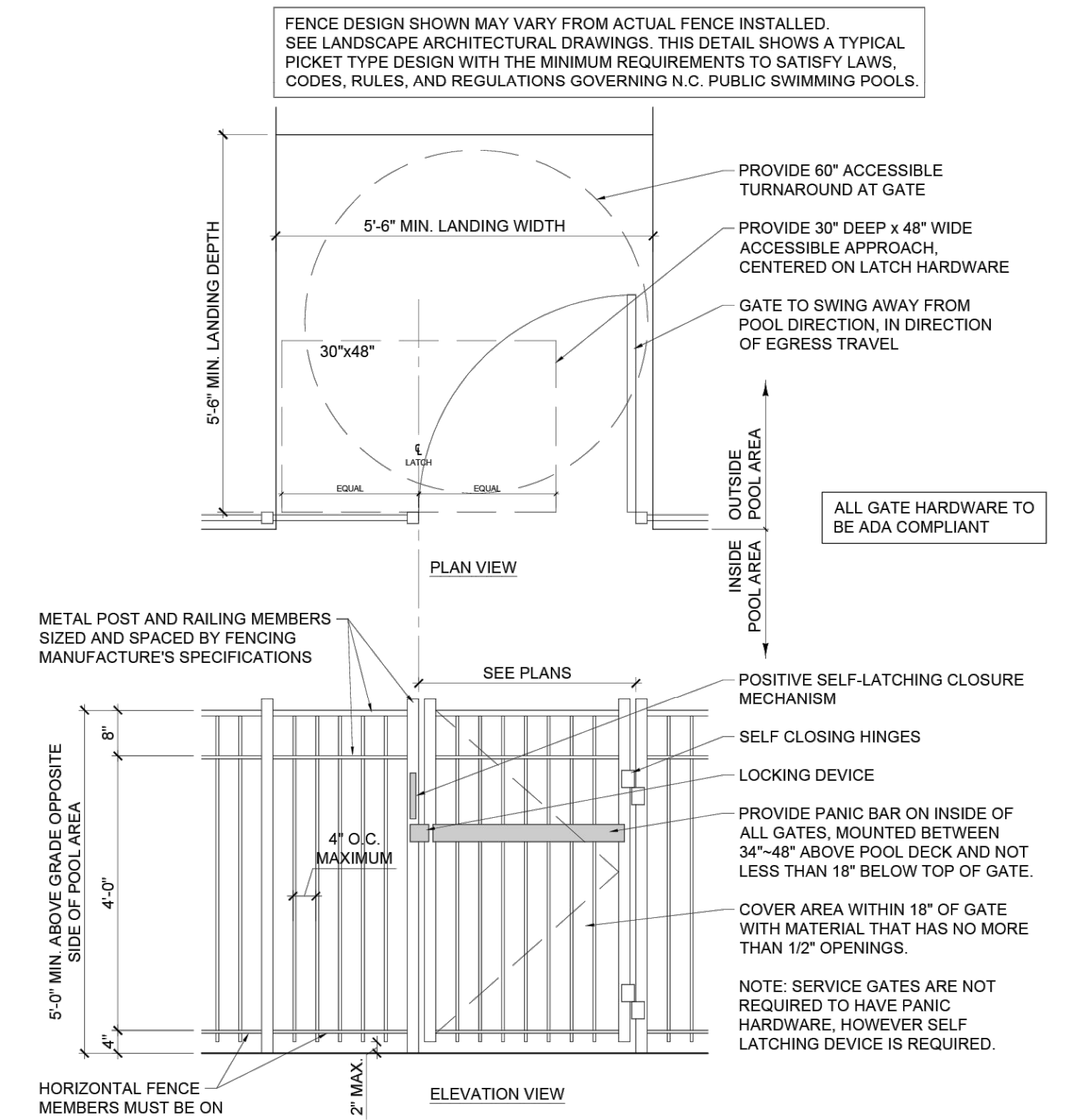
Computer Dwg. Name: 147-07_amenity details



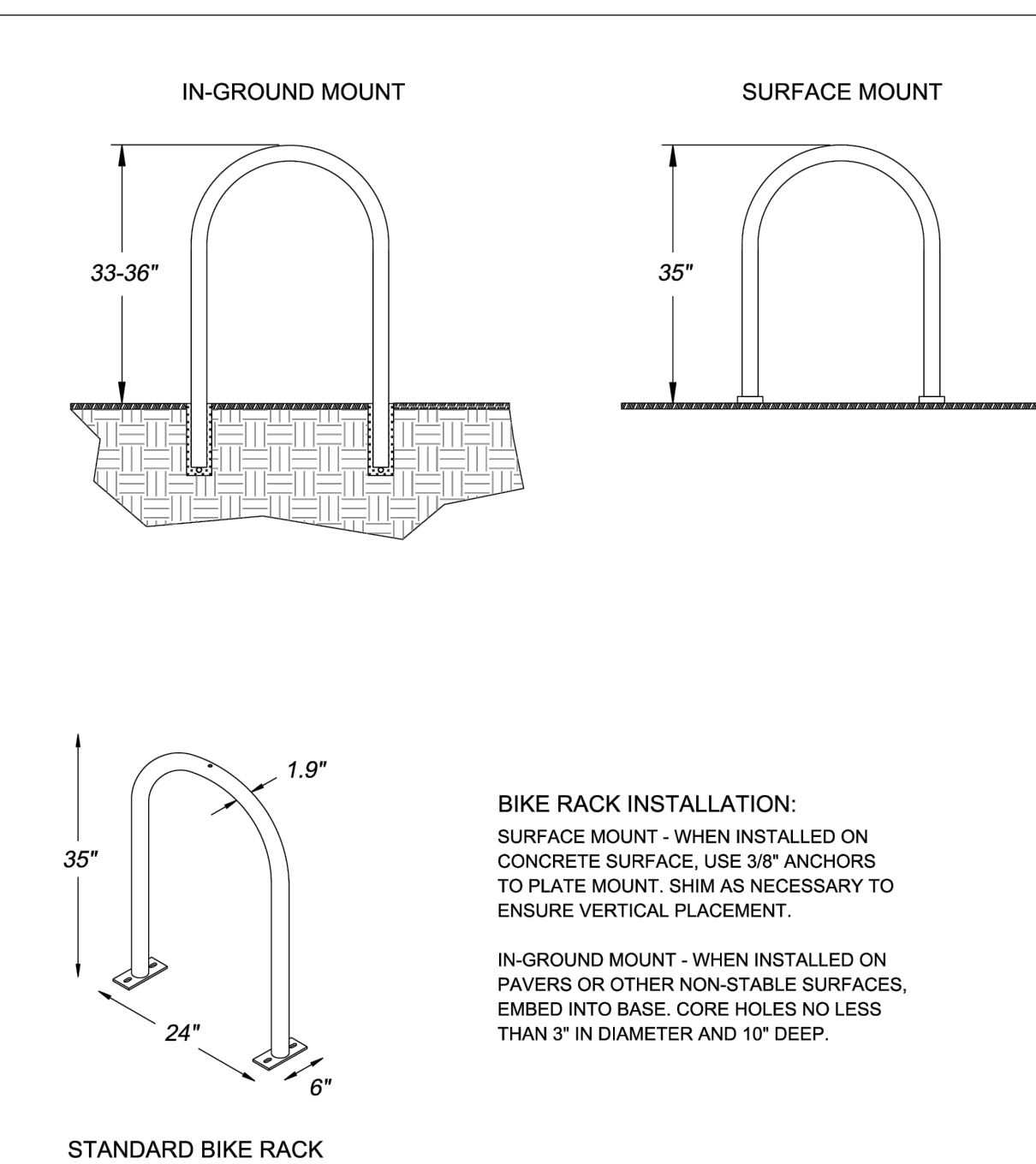
580-0183
LITTER CONTAINER, PVC, DOME COVER, STATIONARY
 BCI Burke Company, LLC P.O. Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220
TYPICAL TRASH RECEPTACLE



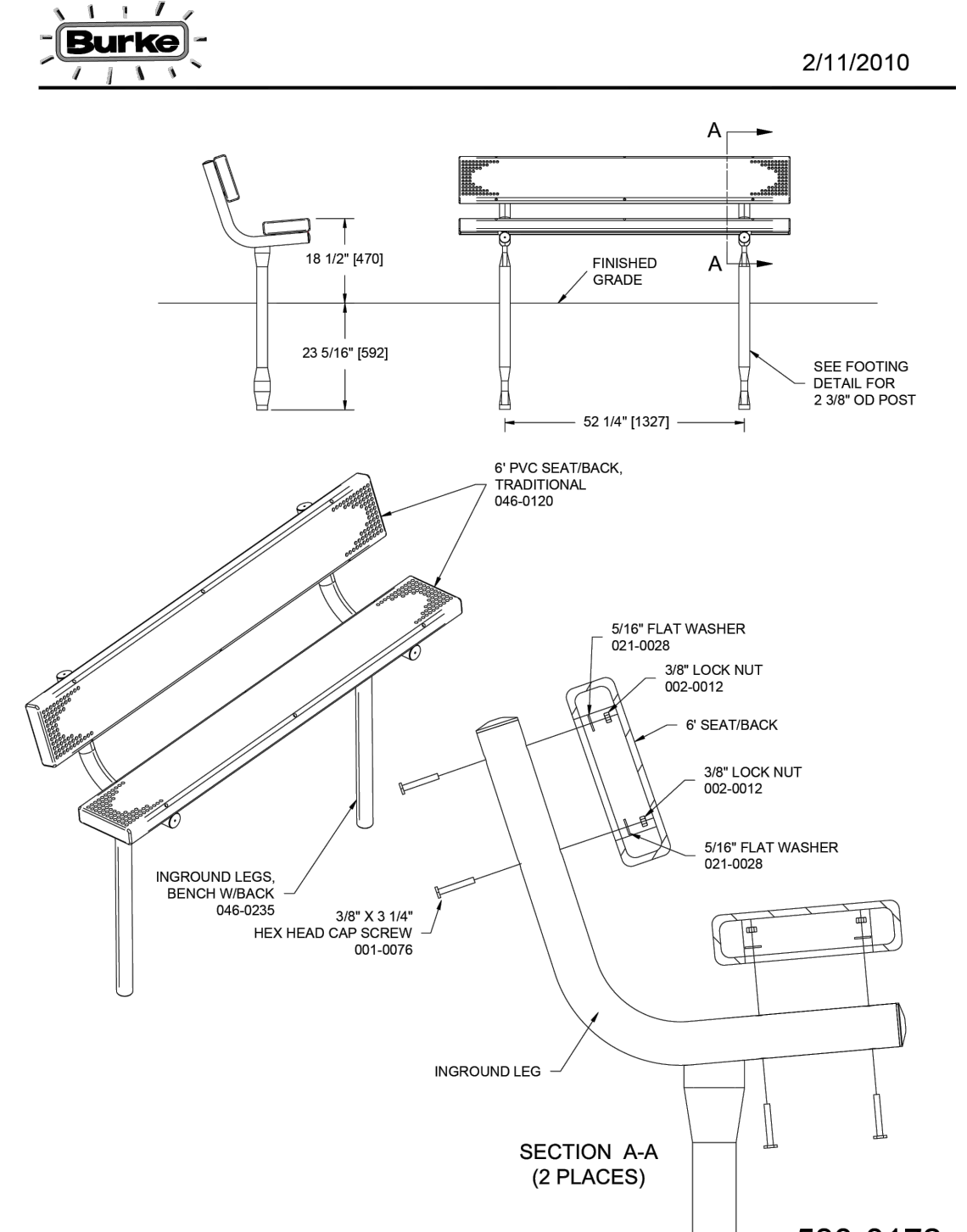
TYPICAL DOG WASTE STATION (OR APPROVED EQUAL)



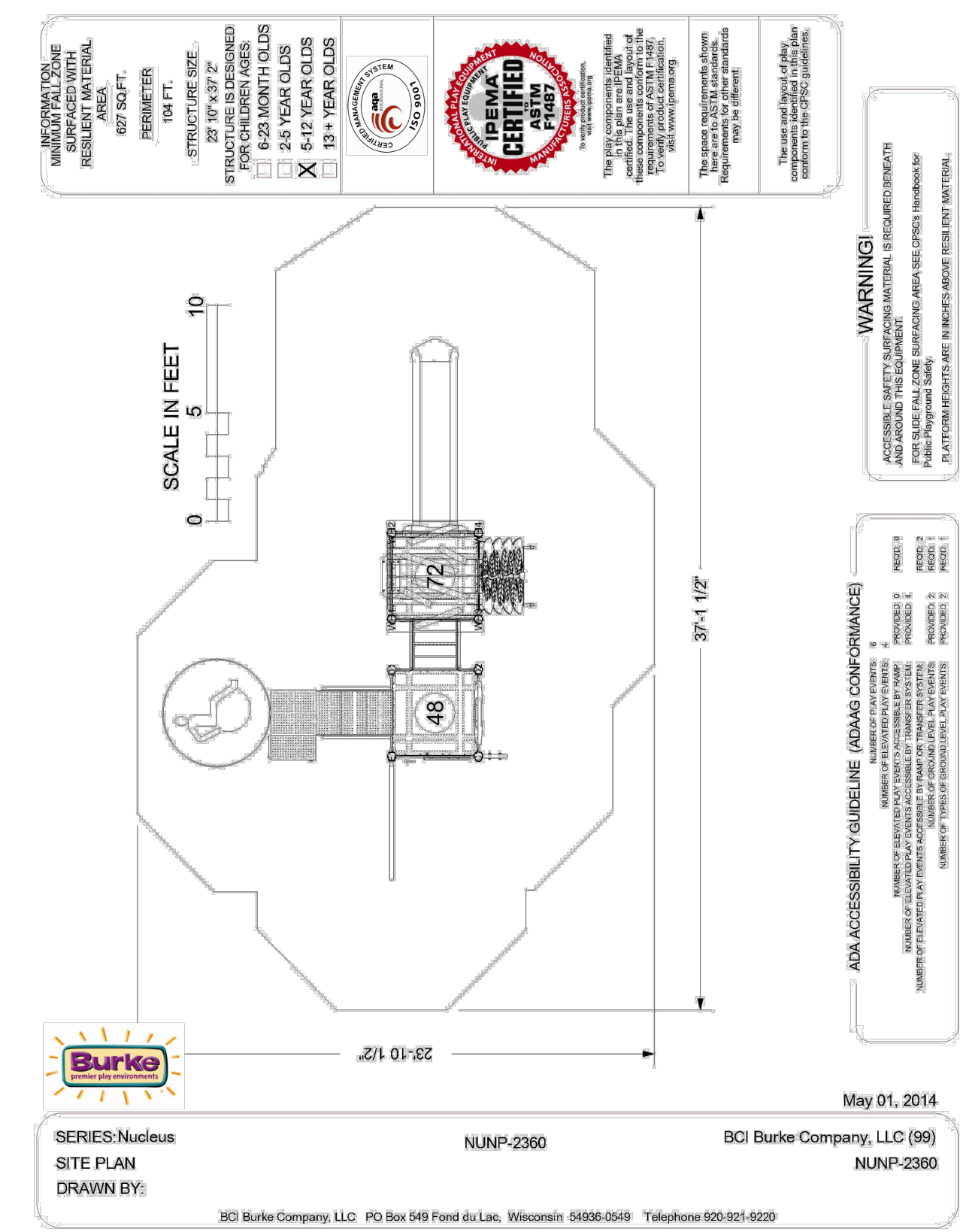
TYPICAL POOL PERIMETER FENCING
 LOCKING DEVICE REQUIREMENTS:
 1. IF THE HEIGHT TO THE RELEASE MECHANISM OF THE SELF-LATCHING DEVICE IS LESS THAN 54\"/>



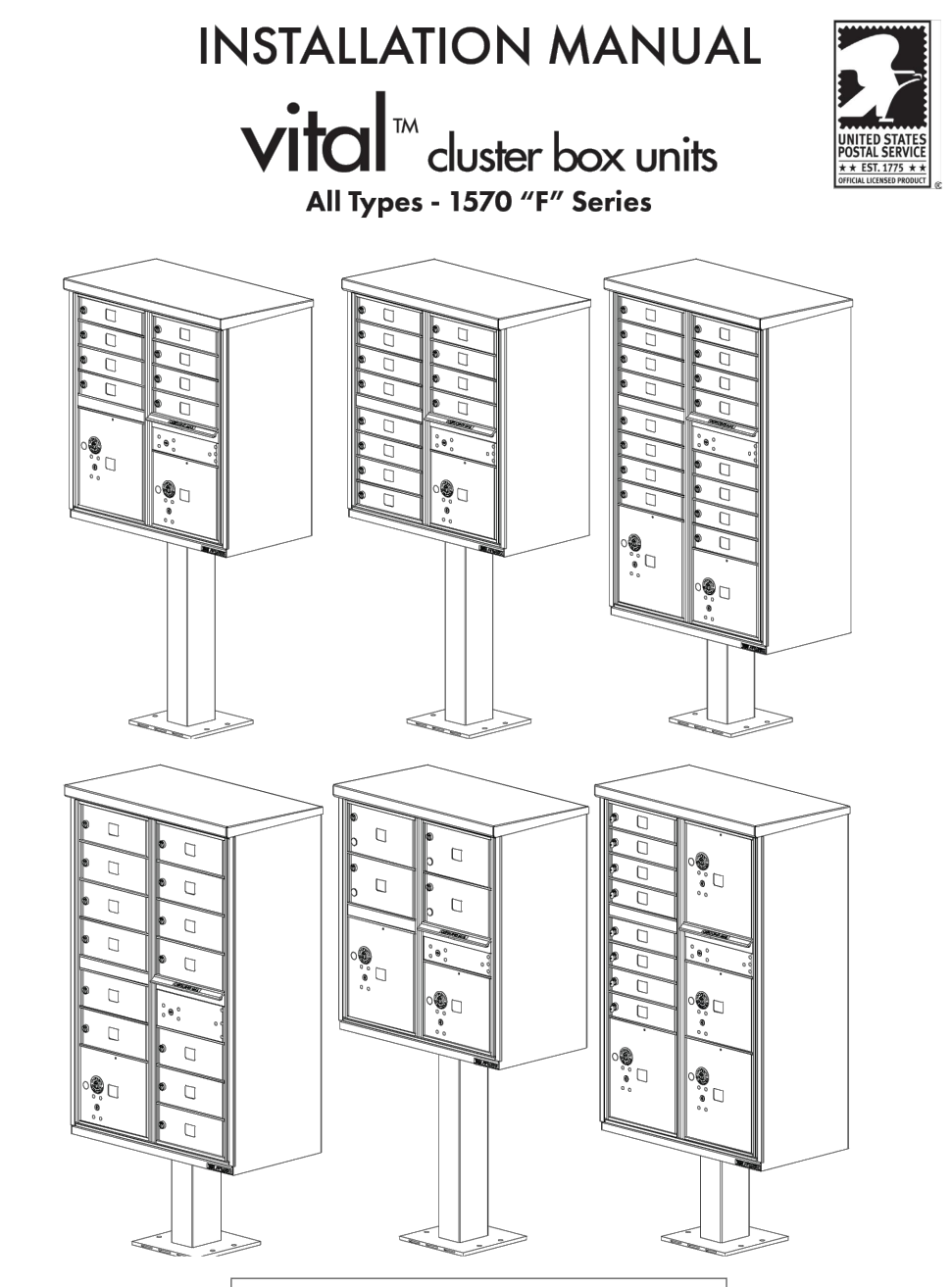
TYPICAL BIKE RACK (OR APPROVED EQUAL)



580-0172
**6\"/>
 BCI Burke Company, LLC P.O. Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220
TYPICAL PARK BENCH (OR APPROVED EQUAL)**



PLAYGROUND EQUIPMENT (OR APPROVED EQUAL)
 May 01, 2014
 SERIES: Nucleus SITE PLAN DRAWN BY: NUNP-2360 BCI Burke Company, LLC (99) NUNP-2360
 BCI Burke Company, LLC P.O. Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220

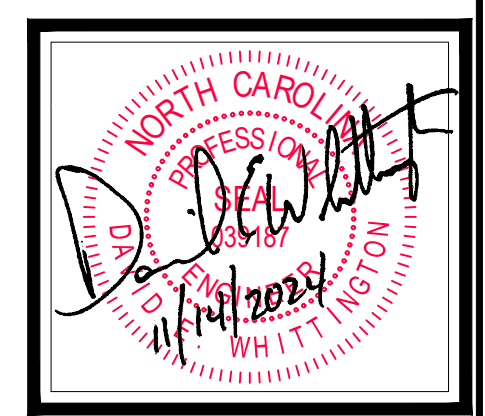


AF FLORENCE
vital™ cluster box units
 All Types - 1570 \"/>

TYPICAL MAIL KIOSKS (OR APPROVED EQUAL)
 AF FLORENCE manufacturing company
 5935 Corporate Drive • Manhattan, KS 66503
 www.florencemailboxes.com • 800.275.1747
 A GIBBARD INDUSTRIES COMPANY
 www.florencemailboxes.com 9194 Rev G Page 1 of 16

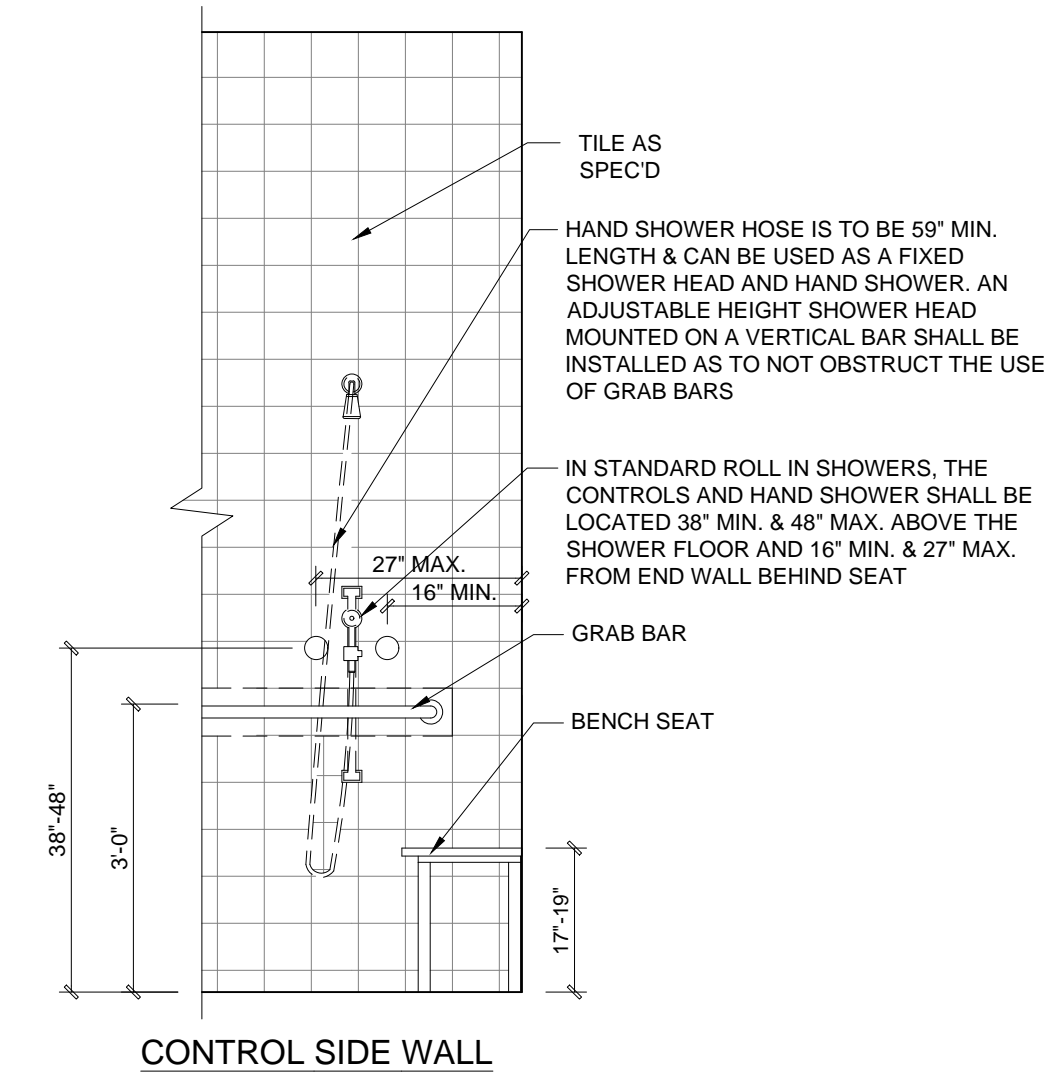
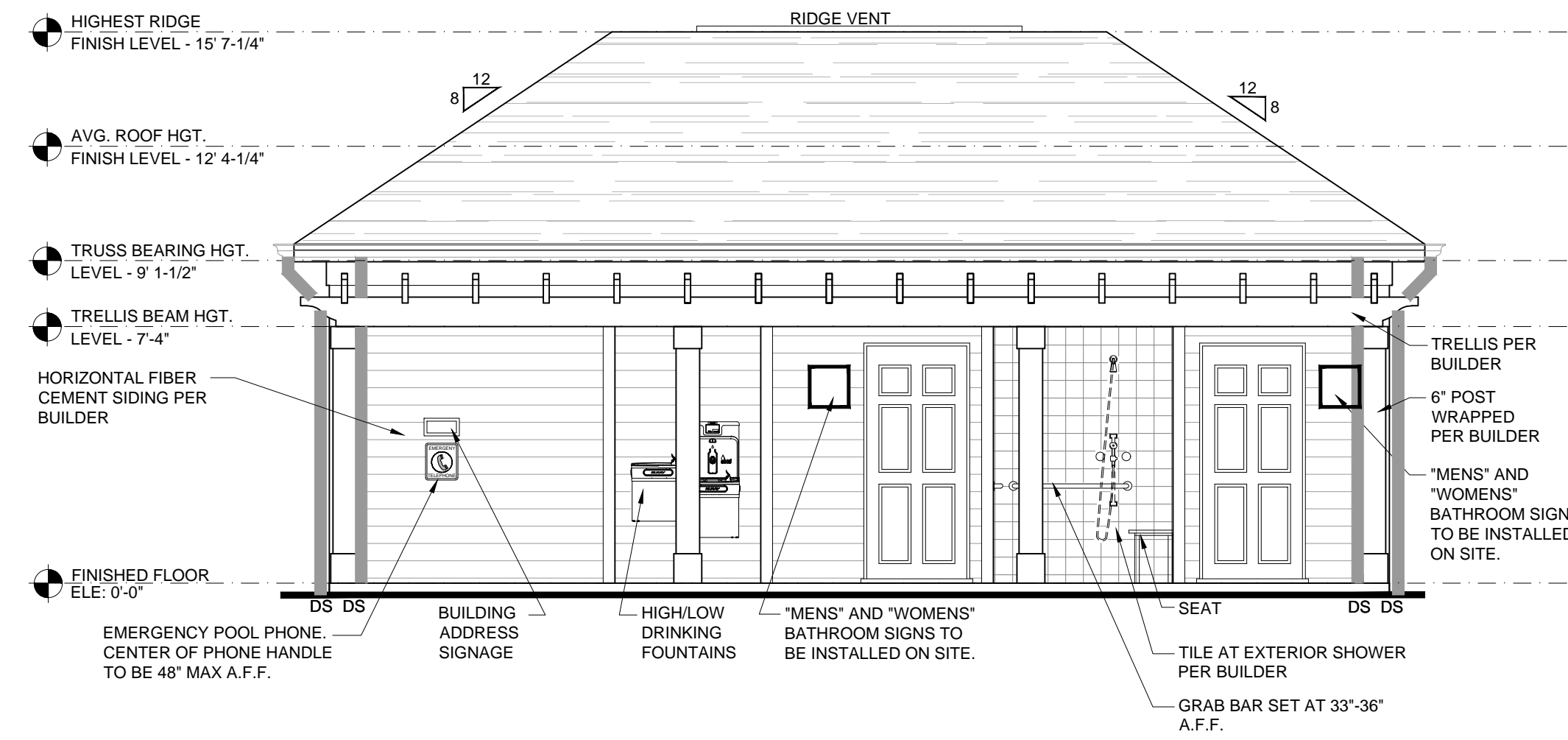
NO.	REVISIONS	DATE

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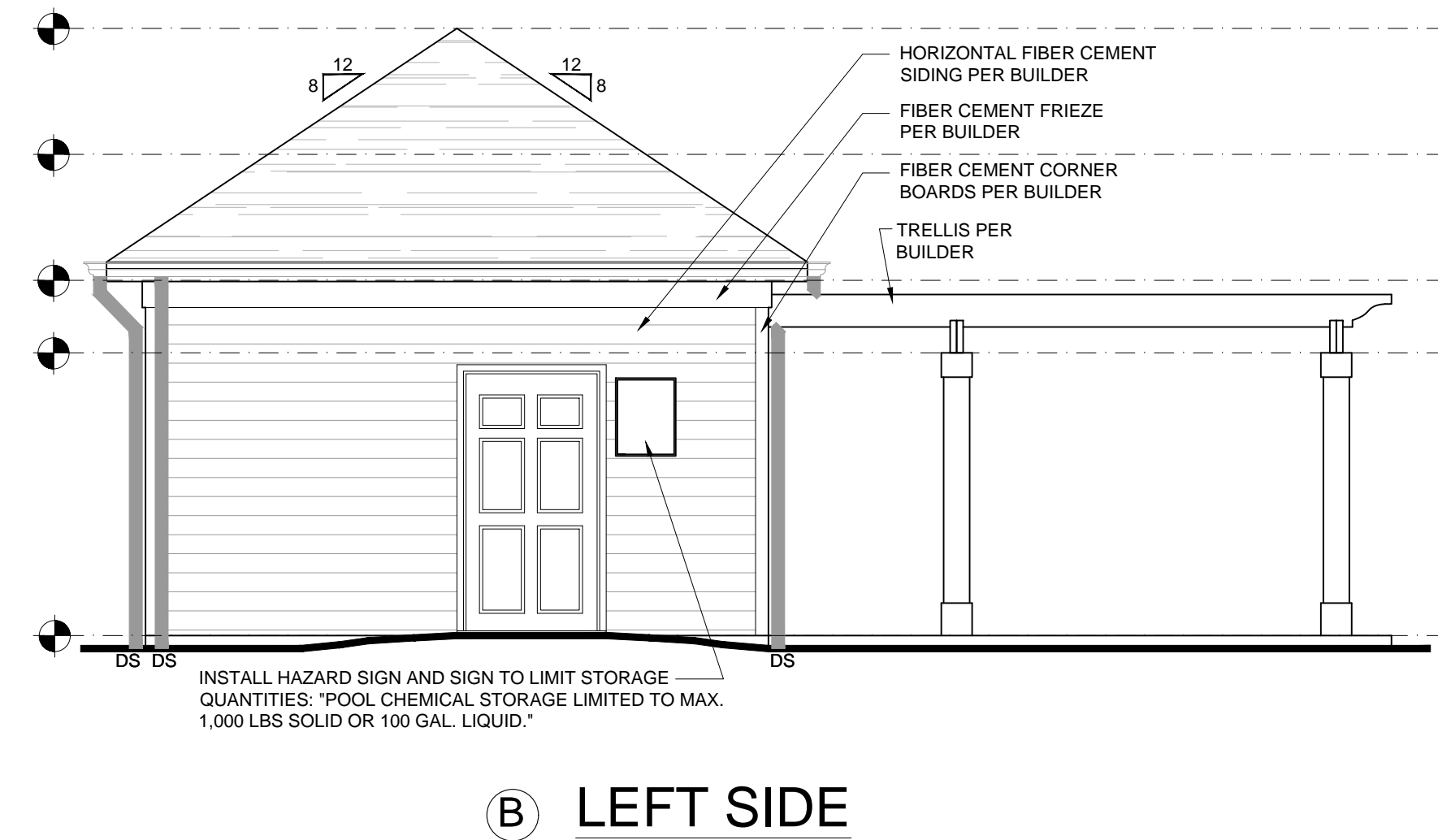
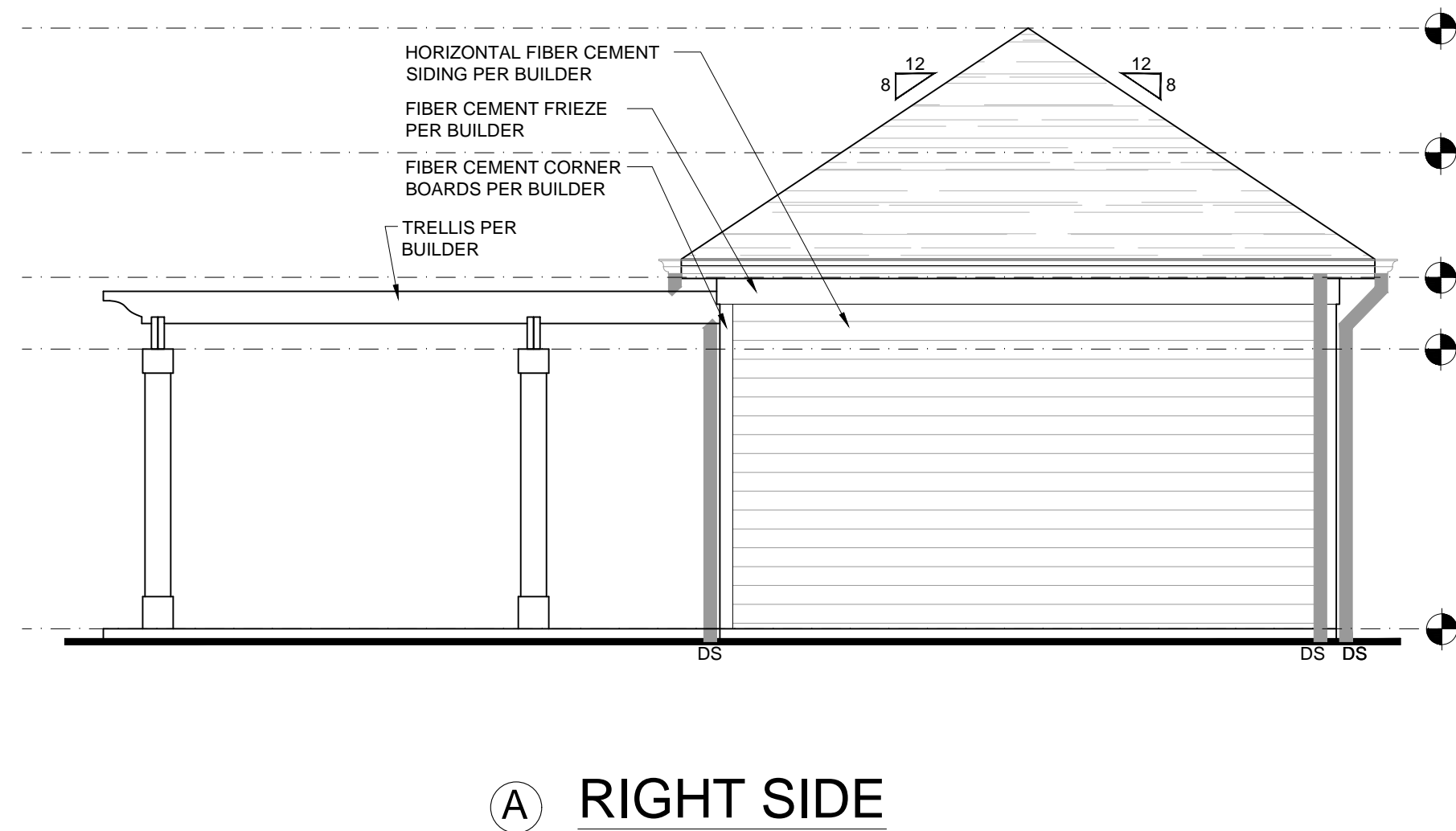
CAPE OVERLOOK
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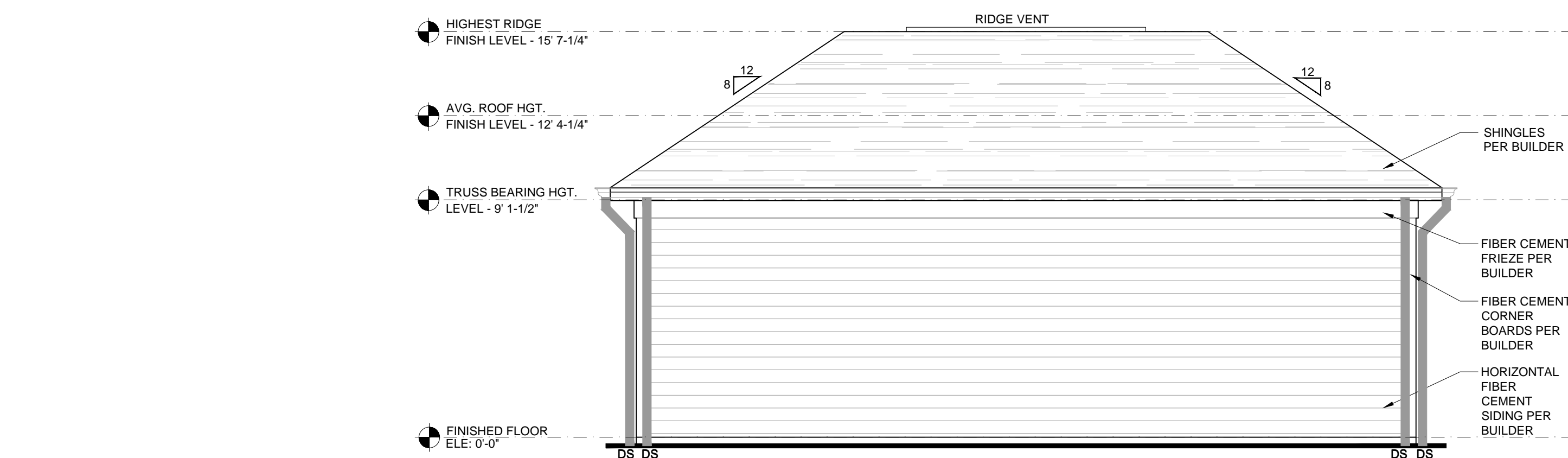
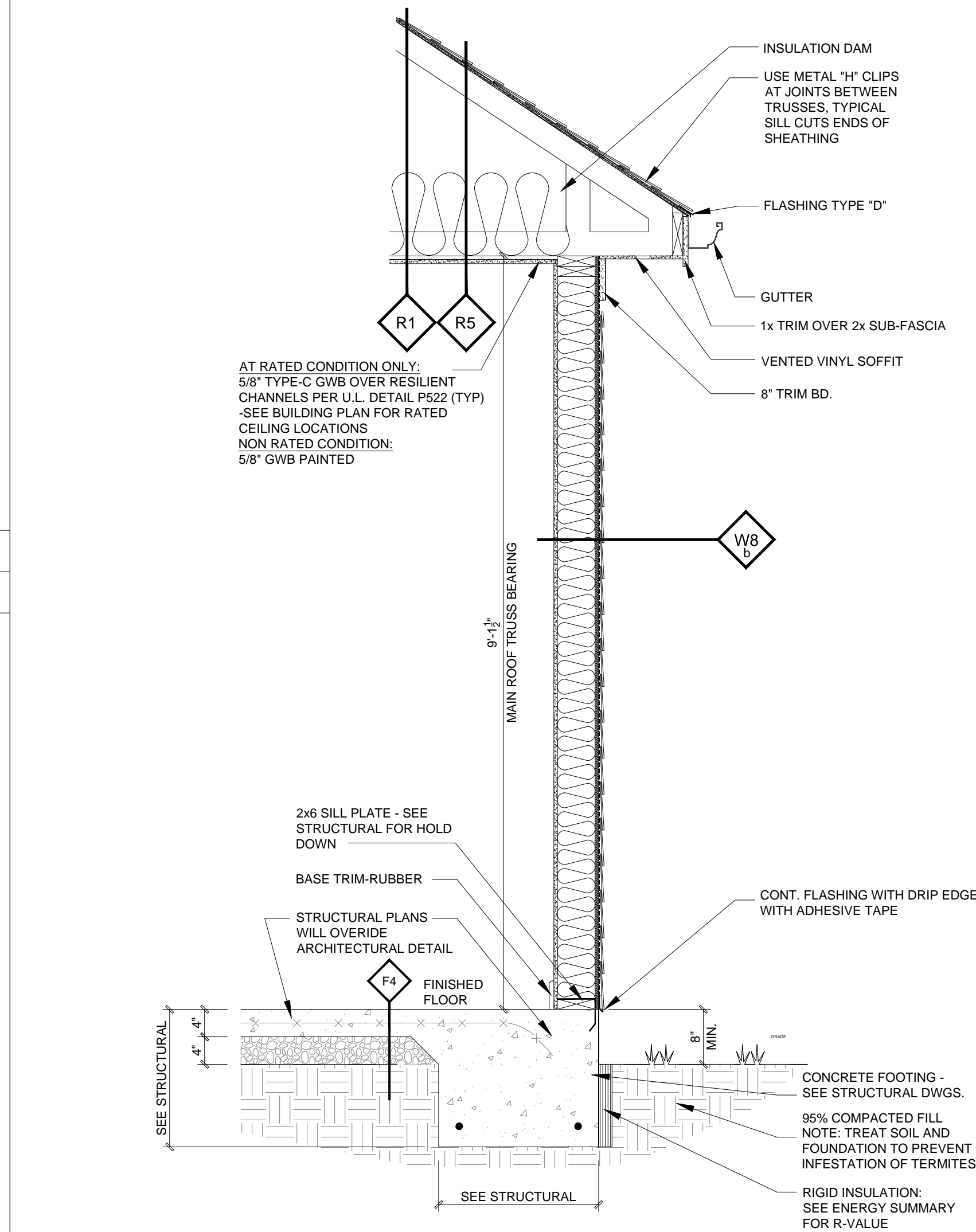


3 POOL HOUSE - FRONT ELEVATIONS
SCALE: 1/4" = 1'-0"

5 POOL HOUSE - SHOWER ELEVATION
SCALE: 1/2" = 1'-0"

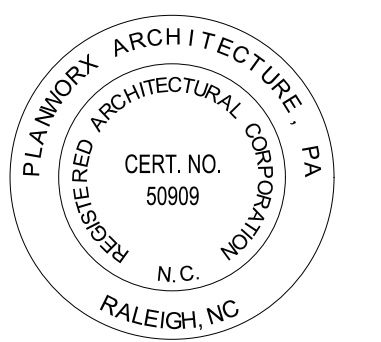


2 POOL HOUSE - SIDE ELEVATIONS
SCALE: 1/4" = 1'-0"



1 POOL HOUSE - REAR ELEVATION
SCALE: 1/4" = 1'-0"

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



Cape Overlook Pool House
Triangle Land Partners
Lillington, NC
Issued for Permit (10-25-24)



PROGRESS DATE:	10-25-2024
ISSUE DATE:	10-25-2024
REVISIONS:	NUMBER DATE INITIALS DESCRIPTION
PROJECT NO:	002824
DRAWN BY:	BB
CHECKED BY:	DS
SHEET TITLE:	Pool House Elevations & Wall Sections
SHEET NUMBER:	A200

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes. 2. Contractor is to notify architect immediately of conditions or items varying from depicted information. 3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted. 4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design. 5. Planworx Architecture, P.A. retains ownership of all of designs depicted and implied herein. 6. Planworx Architecture, P.A. is not responsible for estimating, maintaining, or regulating construction costs associated with these plans. © Copyright 2024 - PLANWORX ARCHITECTURE, P.A. All rights reserved. Reproduction of this sheet, in whole or in part, is strictly prohibited. Plans may be used once by client. Unauthorized use strictly prohibited. PLANS NOT VALID FOR CONSTRUCTION W/O APPROPRIATE PROFESSIONAL SEALS.



Initial Application Date: _____

Application # _____

DRB # _____ CU # _____

COMMERCIAL

COUNTY OF HARNETT LAND USE APPLICATION

Central Permitting (Physical) 420 McKinney Pkwy, Lillington, NC 27546 (Mailing) PO Box 65 Lillington NC 27546 Phone: (910) 893-7525 opt # 1 Fax: (910) 893-2793 www.harnett.org/permits

LANDOWNER: Ross Road Developers, LLC Mailing Address: 4201 Taylor Hall PI

City: Chapel Hill State: NC Zip: 27517 Contact # (919) 478-7872 Email: dc.greyrock@gmail.com

APPLICANT*: Commercial Permit Expediting, LLC Mailing Address: 601 Wimbleton Drive

City: Raleigh State: NC Zip: 27609 Contact # (919) 395-6959 Email: jenn@cpe-permit.com

*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: _____ Phone # _____

Address: Near 1938 Ross Road Lillington NC 27546 PIN: 0569-48-8279

Zoning: RS10 Watershed: Cape Fear Flood: _____ Deed Book Page: 4194 / 2536

Setbacks – Front: _____ **Back:** _____ **Side:** _____ **Corner:** _____

PROPOSED USE:

Multi-Family Dwelling No. Units: _____ No. Bedrooms/Unit: _____

Business _____ Sq. Ft. Retail Space: _____ Type: _____ # Employees: _____ Hours of Operation: _____

Daycare _____ # Preschoolers: _____ # Afterschoolers: _____ # Employees: _____ Hours of Operation: _____

Industry _____ Sq. Ft: _____ Type: _____ # Employees: _____ Hours of Operation: _____

Church _____ Seating Capacity: _____ # Bathrooms: _____ Kitchen: _____

Accessory/Addition/Other (Size 16' x 30') Use: Pool House

Water Supply: County _____ Existing Well _____ New Well (# of dwellings using well _____) ***Must have operable water before final (Need to Complete New Well Application at the same time as New Tank)**

Sewage Supply: _____ New Septic Tank _____ Expansion _____ Relocation _____ Existing Septic Tank County Sewer
(Complete Environmental Health Checklist on other side of application if Septic)

Comments: This submittal is for Cape Overlook Pool House. Pool House & Pool plans will be submitted separately by Raleigh Pools to Health & Sanitation for review.

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

Jennifer Barduchewski (Agent) 1/9/25
Signature of Owner or Owner's Agent Date

****This application expires 6 months from the initial date if permits have not been issued****

RECORDED DEED (OR OFFER TO PURCHASE) AND PLAT ARE REQUIRED WHEN APPLYING FOR LAND USE APPLICATION

*****It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.*****



***This application expires 6 months from the initial date if permits have not been issued*
APPLICATION CONTINUES ON BACK**

****This application expires 6 months from the initial date if permits have not been issued****

This application to be filled out when applying for a septic system inspection.

County Health Department Application for Improvement Permit and/or Authorization to Construct

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (Complete site plan = 60 months; Complete plat = without expiration)

Environmental Health New Septic System

- **All property irons must be made visible.** Place "pink property flags" on each corner iron of lot. All property lines must be clearly flagged approximately every 50 feet between corners.
- Place "orange house corner flags" at each corner of the proposed structure. Also flag driveways, garages, decks, out buildings, swimming pools, etc. Place flags per site plan developed at/for Central Permitting.
- Place orange Environmental Health card in location that is easily viewed from road to assist in locating property.
- If property is thickly wooded, Environmental Health requires that you clean out the undergrowth to allow the soil evaluation to be performed. Inspectors should be able to walk freely around site. **Do not grade property.**
- **All lots to be addressed within 10 business days after confirmation. \$25.00 return trip fee may be incurred for failure to uncover outlet lid, mark house corners and property lines, etc. once lot confirmed ready.**

Environmental Health Existing Tank Inspections

- Follow above instructions for placing flags and card on property.
- Prepare for inspection by removing soil over **outlet end** of tank as diagram indicates, and lift lid straight up (*if possible*) and then **put lid back in place.** (Unless inspection is for a septic tank in a mobile home park)
- **DO NOT LEAVE LIDS OFF OF SEPTIC TANK**

"MORE INFORMATION MAY BE REQUIRED TO COMPLETE ANY INSPECTION"

SEPTIC

If applying for authorization to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.

- {__} Accepted {__} Innovative {__} Conventional {__} Any
 {__} Alternative {__} Other _____

The applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer is "yes", applicant **MUST ATTACH SUPPORTING DOCUMENTATION:**

- {__} YES {__} NO Does the site contain any Jurisdictional Wetlands?
 {__} YES {__} NO Do you plan to have an irrigation system now or in the future?
 {__} YES {__} NO Does or will the building contain any drains? Please explain. _____
 {__} YES {__} NO Are there any existing wells, springs, waterlines or Wastewater Systems on this property?
 {__} YES {__} NO Is any wastewater going to be generated on the site other than domestic sewage?
 {__} YES {__} NO Is the site subject to approval by any other Public Agency?
 {__} YES {__} NO Are there any Easements or Right of Ways on this property?
 {__} YES {__} NO Does the site contain any existing water, cable, phone or underground electric lines?

If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.

I Have Read This Application And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And State Officials Are Granted Right Of Entry To Conduct Necessary Inspections To Determine Compliance With Applicable Laws And Rules. I Understand That I Am Solely Responsible For The Proper Identification And Labeling Of All Property Lines And Corners And Making The Site Accessible So That A Complete Site Evaluation Can Be Performed.