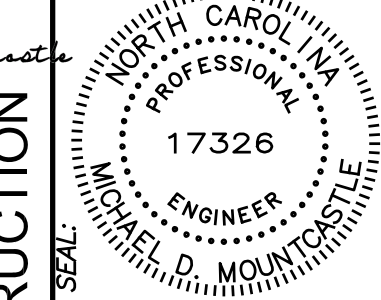
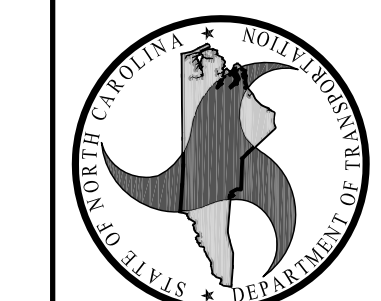


# FOUR-BAY SALT STORAGE SHED



FOR CONSTRUCTION  
DESIGNED BY:  
**FACILITIES DESIGN  
ARCHITECTS & ENGINEERS**  
FACILITIES MANAGEMENT DIVISION, NCDOT  
1 SOUTH WILMINGTON STREET  
RALEIGH, NORTH CAROLINA 27601  
PHONE 919/707-4600 FAX 919/707-0399

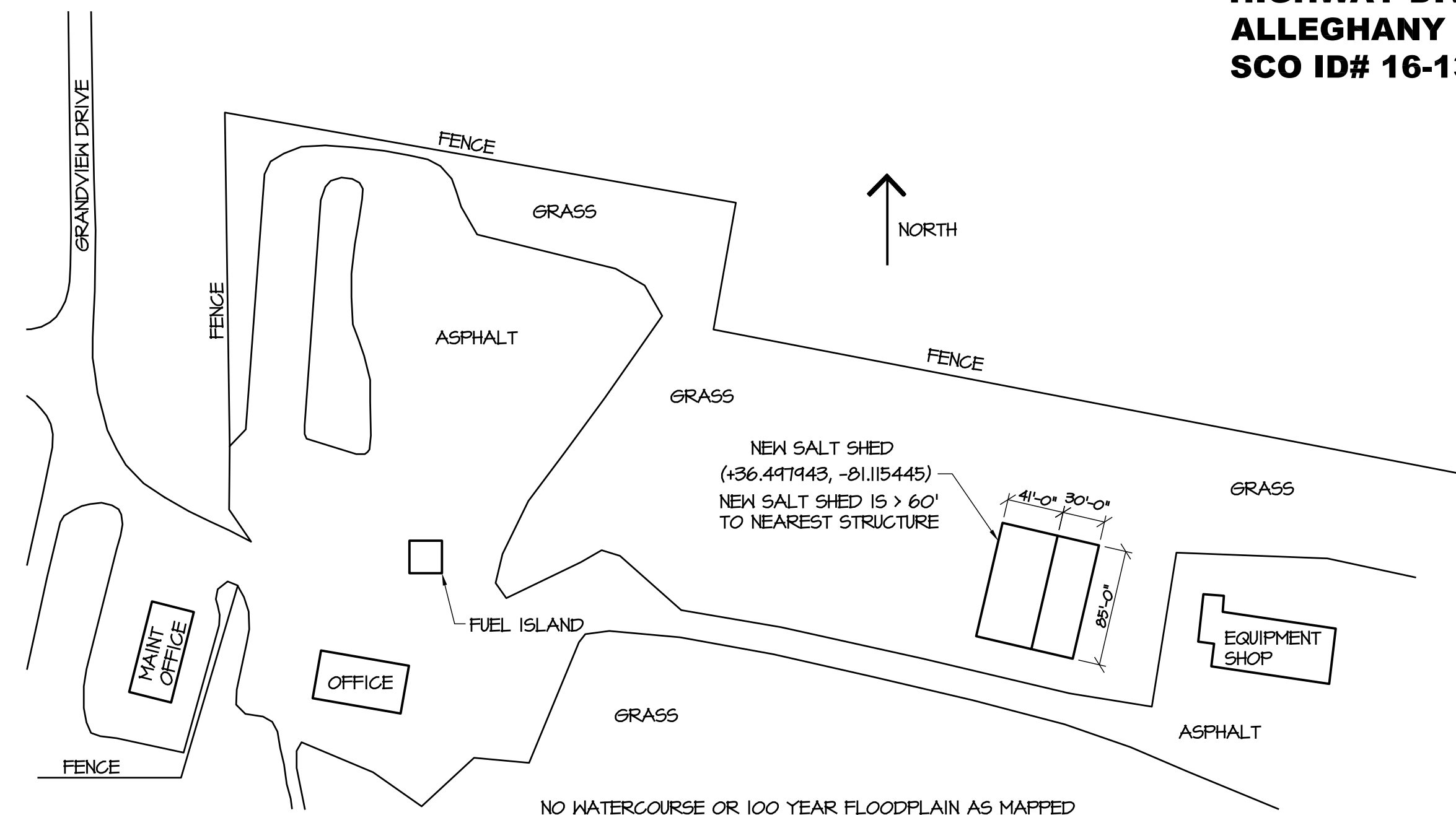


CONSULTANT:  
ELEVATIONS  
BUILDING CODE SUMMARY  
CONSTRUCTION DOCUMENTS

PROJECT TITLE:  
**NEW FOUR-BAY SALT  
STORAGE BUILDING**  
HIGHWAY DIVISION 11, NCDOT  
ALLEGANY COUNTY, NORTH CAROLINA

STATE CONSTRUCTION  
ID# 16-13024-01A  
ASSET NUMBER:  
CO.# SITE# BLDG.#  
03 - 02 - 00  
REVISIONS  
NO. DATE  
DATE ISSUED: 04-10-17  
DRAWN BY: MDM  
CHECKED BY: MDM  
SHEET NO.  
**S1**  
1 OF 4

## SITE LAYOUT

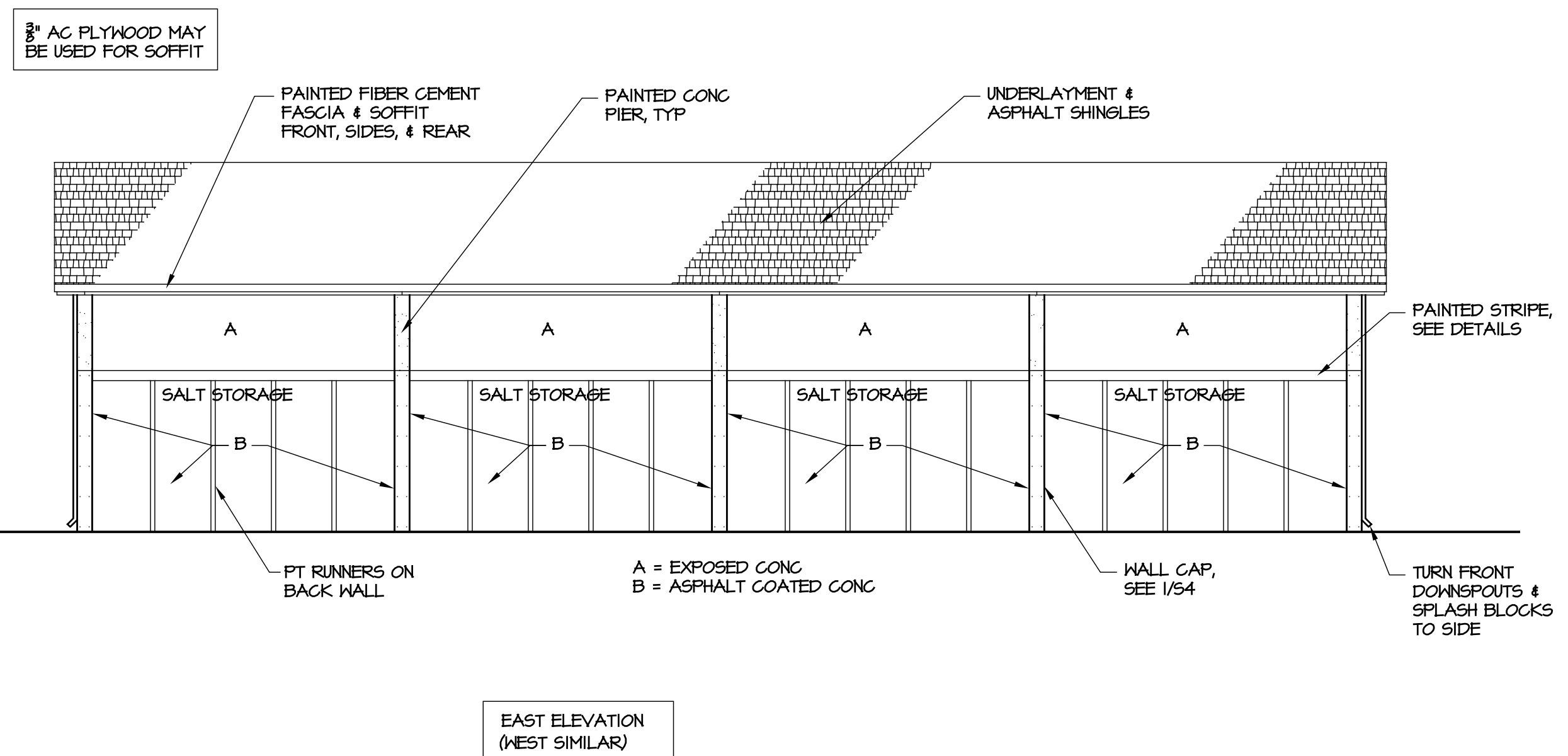
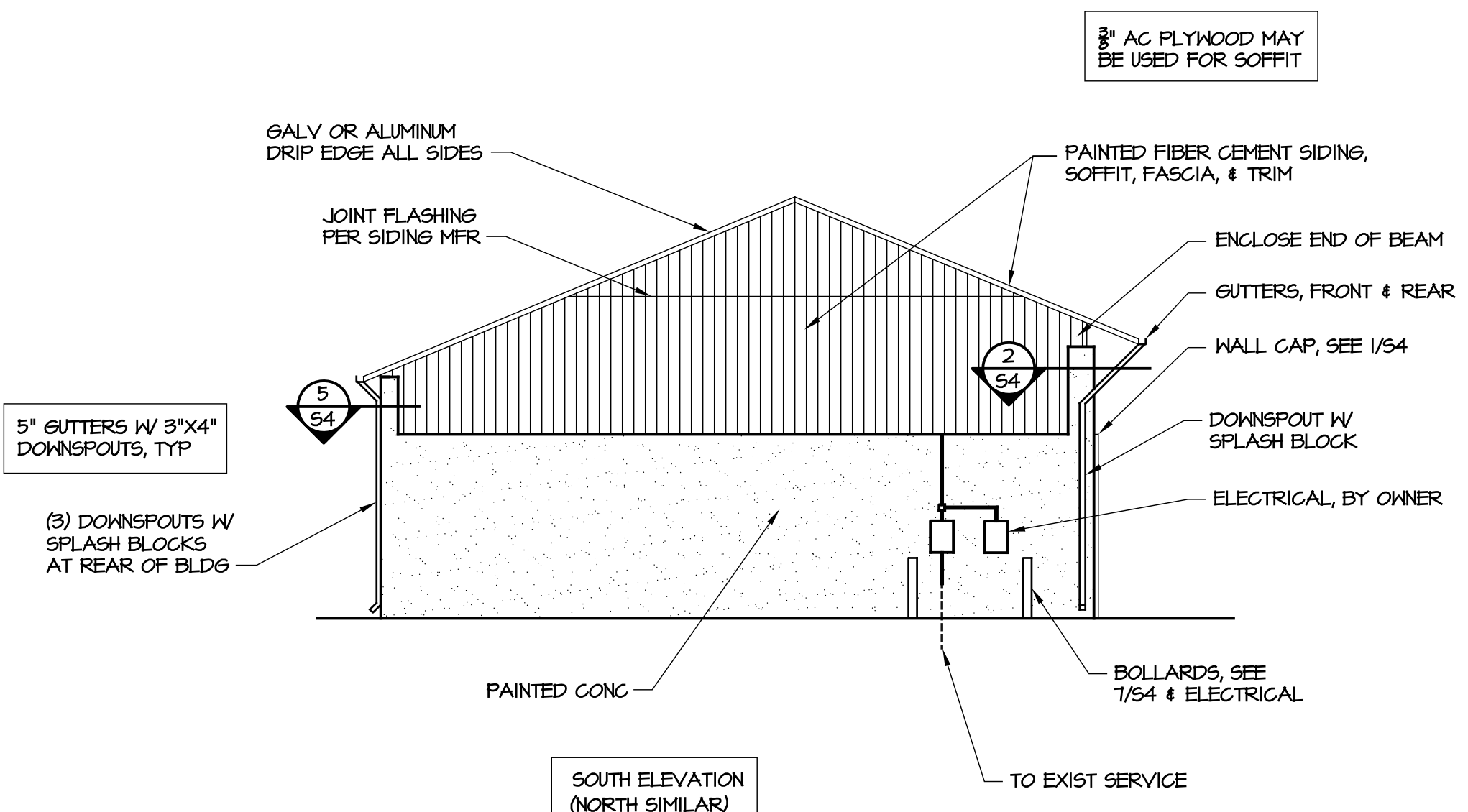


**HIGHWAY DIVISION 11, NCDOT  
ALLEGANY COUNTY, NC  
SCO ID# 16-13024-01A**

NO WATERCOURSE OR 100 YEAR FLOODPLAIN AS MAPPED BY FEMA, OR AS DEFINED BY ANY FEDERAL, STATE, OR LOCAL AUTHORITY IS LOCATED ON THIS PROPERTY.

**INDEX OF DRAWINGS**

S1	ELEVATIONS, BUILDING CODE SUMMARY
S2	FOUNDATION & FRAMING PLANS
S3	DETAILS
S4	DETAILS & GENERAL NOTES
E1	NOTES & SPECIFICATIONS
E2	LIGHTING/POWER PLAN



**2012 APPENDIX B  
BUILDING CODE SUMMARY**

Name of Project: ALLEGANY COUNTY FOUR-BAY SALT SHED  
Address: 271 GRANDVIEW DR., SPARTA, NC 28675  
Proposed Use: STORAGE  
Owner or Authorized Agent: HIGHWAY DIVISION 11 Phone # 919-707-4551  
Owned By: STATE OF NORTH CAROLINA ☐ City/County ☐ Private ☒ State  
Code Enforcement Jurisdiction: ☐ City ☐ County

LEAD DESIGN PROFESSIONAL:  
DESIGNER: FACILITIES DESIGN, NCDOT NAME: BEN BURKE LICENSE # 22036 TELEPHONE # (919) 771-1916 E-MAIL: ben@bdg-nc.com  
SITE: "Civil"  
Architectural: BURKE DESIGN GROUP BEN BURKE 22036 (919) 771-1916 ben@bdg-nc.com  
Electrical: \_\_\_\_\_  
Plumbing: \_\_\_\_\_  
Mechanical: \_\_\_\_\_  
Sprinkler-Standpipe: \_\_\_\_\_  
Structural: NCDOT MIKE MOUNTCASTLE 17326 (919) 707-4547 mdmountcastle@ncdot.gov

2012 EDITION OF NC CODE FOR: ☒ New Construction ☐ Addition ☐ Upfit  
EXISTING: ☐ Reconstruction ☐ Alteration ☐ Repair  
CONSTRUCTED: \_\_\_\_\_ ORIGINAL USE: \_\_\_\_\_ RENOVATED: \_\_\_\_\_ CURRENT USE: \_\_\_\_\_

**BUILDING DATA**

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B  
Mixed construction: ☒ No ☐ Yes Types: \_\_\_\_\_  
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D  
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry  
Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes  
Building Height: Feet: 25'-0" Number of Stories: 1  
Mezzanine: ☒ No ☐ Yes  
Gross Building Area:  
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL  
1st Floor 3485 3485 3485  
TOTAL 3485 3485 3485

**ALLOWABLE AREA**

Primary Occupancy: ☐ Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5  
☐ Business ☐ Educational ☐ Factory ☐ F-1 Moderate ☐ F-2 Low  
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM  
☐ Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4 ☐ I-5  
☐ Mercantile ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4  
☐ Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled  
☒ Utility and Miscellaneous ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage  
Secondary Occupancy: N/A  
Mixed Occupancy: ☒ No ☐ Yes Separation: \_\_\_\_\_ Hr. Exception: \_\_\_\_\_

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 AREA	(C) AREA FOR OPEN SPACE INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OR UNLIMITED	(F) MAXIMUM BUILDING AREA
1	Utility & Misc.	3485	5500	NOT USED	NOT USED	5500	5500

**ALLOWABLE HEIGHT**

TYPE:	II-B	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Building height in feet	Feet	40	Feet=H+20' = N/A	Feet 20'-1"	503
Building Height in Stories	Stories	1	Stories+1 = N/A	Stories 1	503

**FIRE PROTECTION REQUIREMENTS**

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	PROVIDED w/ REDUCT	DETAIL & SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders, & trusses	10	0	0	-	-	-	-
Exterior walls	-	0	0	-	-	-	-
Interior walls and partitions	-	0	0	-	-	-	-
Roof construction	10	0	0	-	-	-	-

\* Indicate section number permitting reduction

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting: ☒ No ☐ Yes  
Exit Signs: ☒ No ☐ Yes  
Fire Alarm: ☒ No ☐ Yes  
Smoke Detection Systems: ☒ No ☐ Yes  
Panic Hardware: ☒ No ☐ Yes

**EXIT REQUIREMENTS** N/A

**STRUCTURAL DESIGN**

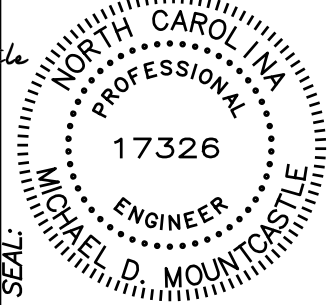
DESIGN LOADS:  
Importance Factors: Wind (I<sub>w</sub>) 1.0 Live Loads: Roof 20 psf  
Snow (I<sub>s</sub>) 1.0 Mezzanine N/A psf  
Seismic (I<sub>e</sub>) 1.0 Floor 800 psf  
Snow Load: 20 psf  
Wind Load: Basic Wind Speed 90 mph (ASCE-7-05)  
Exposure Category B  
Wind Base Shears (for MWFRS) V<sub>x</sub> = \_\_\_\_\_ V<sub>y</sub> = \_\_\_\_\_

**SEISMIC DESIGN:**  
Compliance with Section 1616.4 only? ☐ YES ☒ NO  
SEISMIC DESIGN CATEGORY ☐ A ☐ B ☒ C  
Provide the following Seismic Design Parameters:  
Occupancy Category: ☐ I ☐ II ☐ III ☐ IV S<sub>1</sub> 8.9 %g  
Spectral Response Acceleration S<sub>s</sub> 29.4 %g  
Site Classification: ☐ D ☐ Field Test ☒ Presumptive  
Basic structural system (check one)  
☒ Bearing Wall ☐ Dual w/Special Moment Frame  
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel  
☐ Moment Frame ☐ Inverted Pendulum  
Seismic base shear V<sub>s</sub> = \_\_\_\_\_ V<sub>y</sub> = \_\_\_\_\_ Equivalent Lateral Force \_\_\_\_\_ Model  
Analysis Procedure \_\_\_\_\_  
Architectural, Mechanical, Components anchored? N/A  
LATERAL DESIGN CONTROL: Earthquake \_\_\_\_\_ Wind \_\_\_\_\_ Special Inspection Required? ☐ Yes ☒ No  
SOIL BEARING CAPACITIES: ☐ Field Test ☒ Presumptive 1500

PLUMBING, ENERGY, & MECHANICAL SUMMARIES - NOT APPLICABLE  
ELECTRICAL SUMMARY - SEE ELECTRICAL PLANS

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





**FACILITIES DESIGN  
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DESIGNED BY:

CONSULTANT:

**PROJECT TITLE:**  
**NEW FOUR-BAY SALT  
STORAGE BUILDING**  
HIGHWAY DIVISION 11, NCDOT  
ALLEGANY COUNTY, NORTH CAROLINA

**STATE CONSTRUCTION**  
ID# 16-13024-01A

**ASSET NUMBER:**  
CO.# SITE.# BLDG.#  
03 - 02 - 00

**REVISIONS**  
NO. DATE

**DATE ISSUED:** 04-10-17  
**DRAWN BY:** MDM  
**CHECKED BY:** MDM

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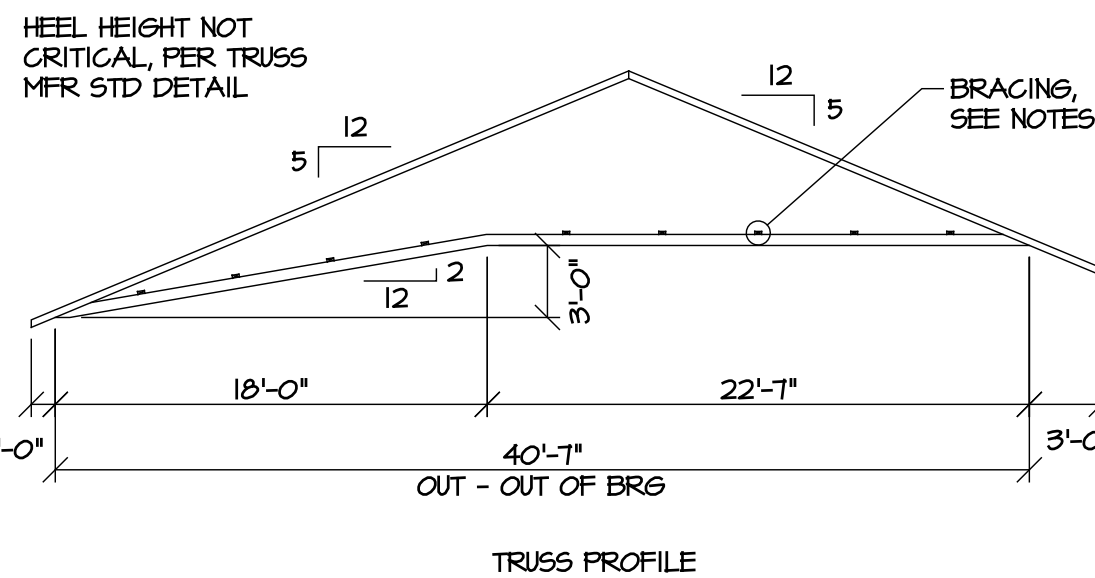
**S2**

2 OF 4

FOR CONSTRUCTION

**NOTES:**

- PROVIDE TRUSS SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NC, SHOWING TRUSS LAYOUT, TRUSS DESIGNS, & REQUIRED BRACING.
- TRUSS MFR NOTE THERE IS NO CEILING & BOTTOM CHORD BRACING MAY BE REQUIRED. SC NOTE BOTTOM CHORD BRACING IS SHOWN ON TRUSS CALCULATION SHEET & IS IN ADDITION TO THE TEMPORARY BRACING.
- THIS BUILDING MEETS CRITERIA FOR PARTIALLY ENCLOSED PER ASCE T-05 WIND REQUIREMENTS.
- WALL SHEATHING SHALL BE 1/2" APA RATED SHEATHING, 32/16 SPAN RATING, EXPOSURE 1, ATTACHED W/ 8D NAILS @ 6" OC ON PANEL EDGES & 8" OC ALONG INTERMEDIATE SUPPORTS, UON. PROVIDE BLOCKING AT ALL PANEL EDGES ON EXTERIOR WALLS.
- ROOF SHEATHING SHALL BE 3/8" APA RATED SHEATHING, ATTACHED W/ 10D NAILS @ 6" O.C. ON PANEL EDGES, & @ 8" O.C. AT INTERIOR.
- PT DENOTES PRESSURE TREATED IN ACCORDANCE W/ ANPA STANDARDS.
- SIDING, VENTED SOFFIT, & FASCIA SHALL BE PAINTED FIBER-CEMENT BOARD, COLOR SELECTION BY OWNER.
- BM-1 = 5'-1/2" X 16" GLULAM, 24F-V4, BALANCED, & PRESSURE TREATED.

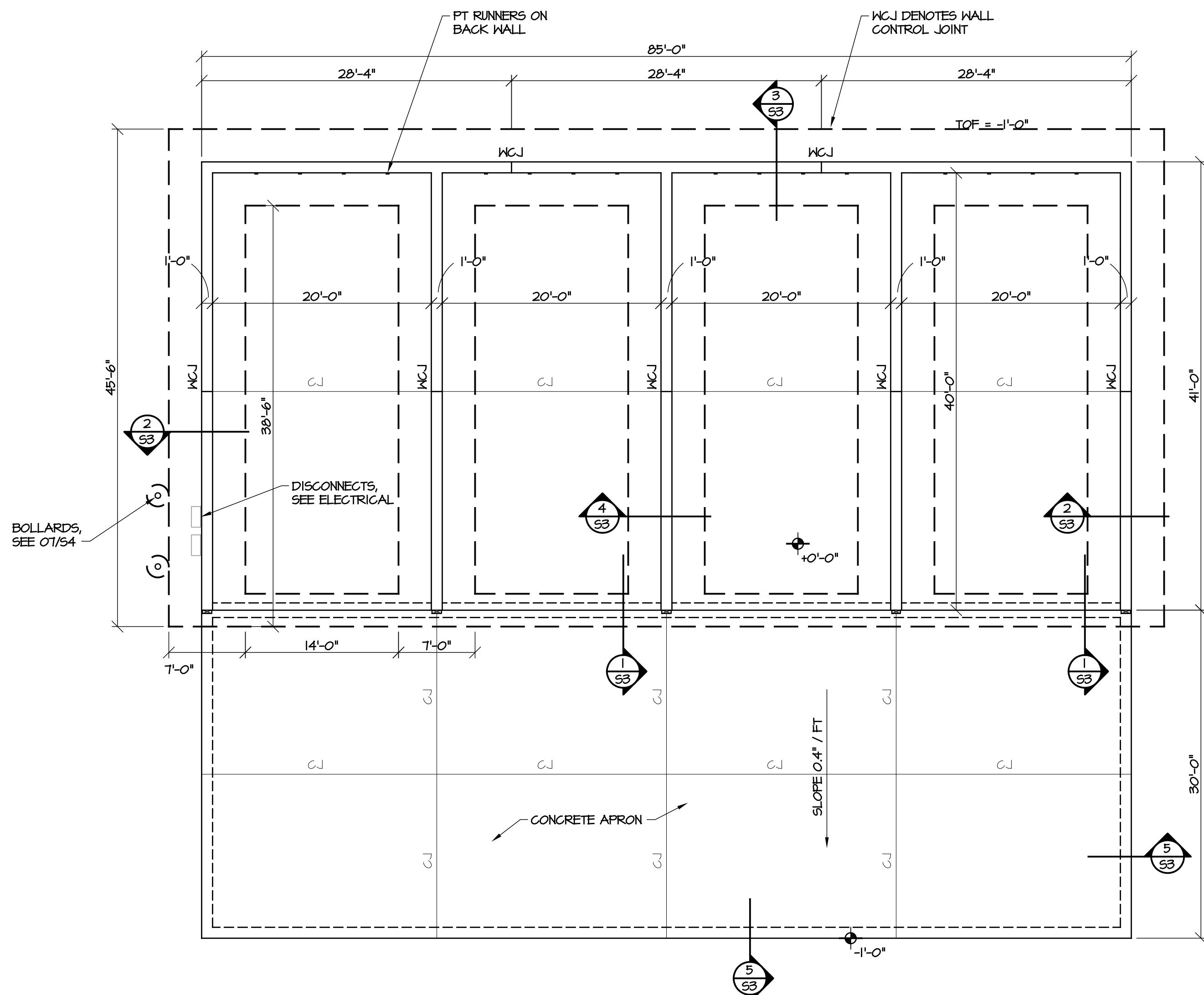
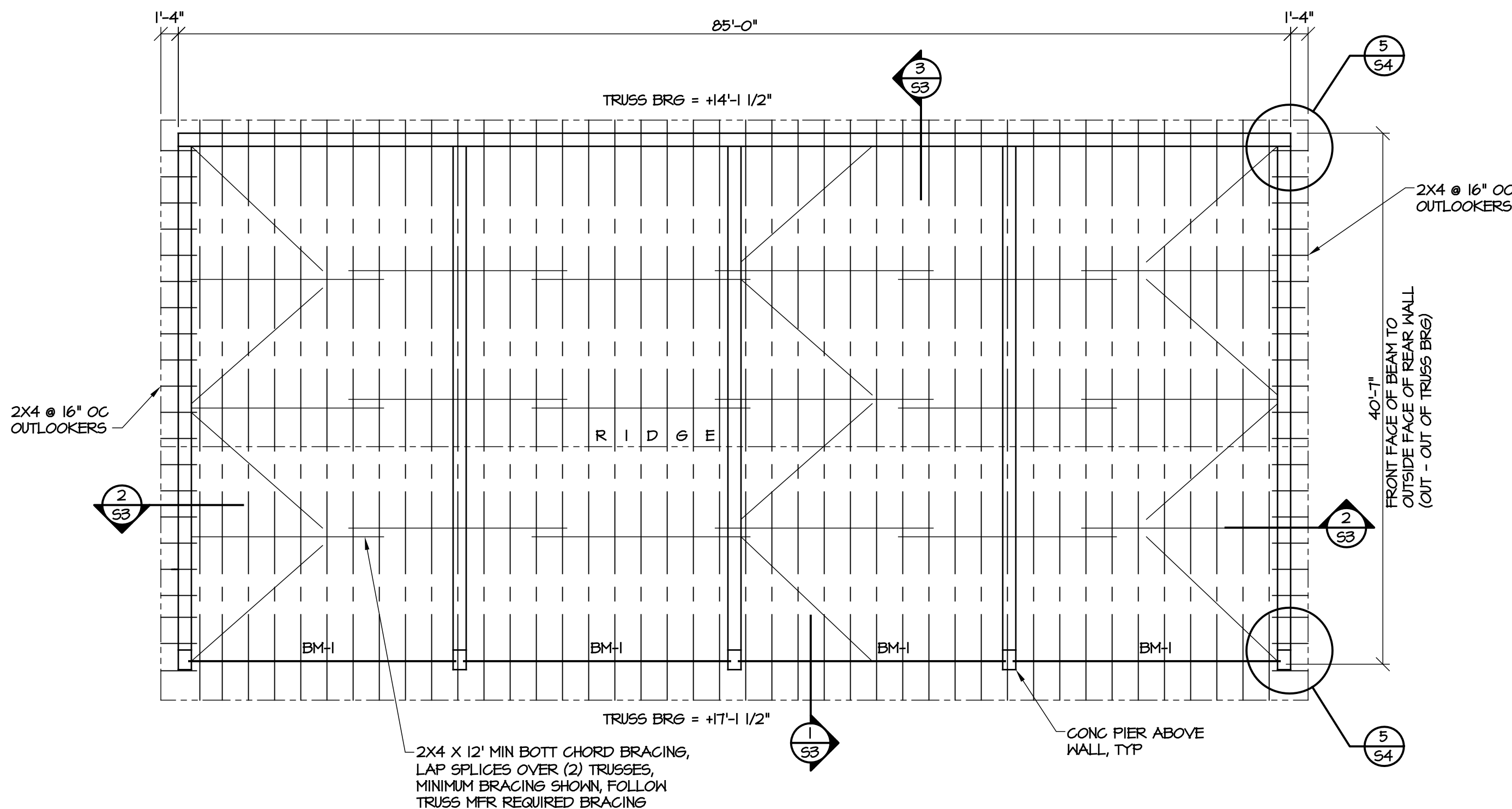


**NOTES:**

- COMPRESSIVE STRENGTH OF CONCRETE FOR FOOTINGS = 4000 PSI.
- CONCRETE FOR WALLS & SLABS SHALL HAVE 0.40 MAXIMUM W/C RATIO, & MINIMUM 5000 PSI COMPRESSIVE STRENGTH.
- EXPOSED CONCRETE SHALL INCLUDE 5% ENTRAINED AIR.
- ALL REINF STEEL SHALL BE ASTM A 615, GR 60. LAP ALL SPLICES 48 X BAR DIAMETER.
- ELEVATIONS SHOWN ARE ABOVE REFERENCE FLOOR ELEVATION = +0'-0".
- COORDINATE LOCATION & INSTALLATION OF ELECTRICAL WORK W/ OWNER.
- SC ADD GROUNDING ROD TIED TO FOUNDATION REINF, SEE 6/54, COORD LOCATION W/ OWNER.

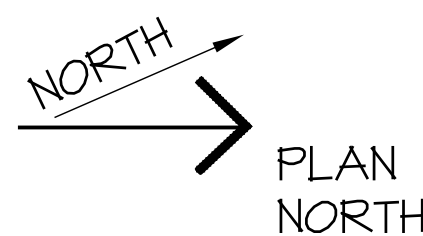
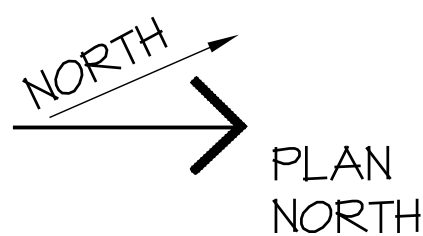
PREPARE CONCRETE WALL SURFACES AS FOLLOWS:  
INTERIOR - PATCH TIE HOLES & DEFECTS, REMOVE FINS FLUSH W/ SURFACE.  
EXTERIOR - PATCH TIE HOLES, BUG HOLES, & OTHER DEFECTS. REMOVE FINS FLUSH WITH SURFACE. PATCH HOLES THAT CANNOT BE SEALED W/ BLOCK FILLER & PAINT.

INTERIOR FLOOR & APRON SHALL BE 6" CONC SLAB REINF W/ EPOXY COATED #4 @ 16" OC, EN OVER 6" #51 STONE BASE.



**SITE NOTES:**

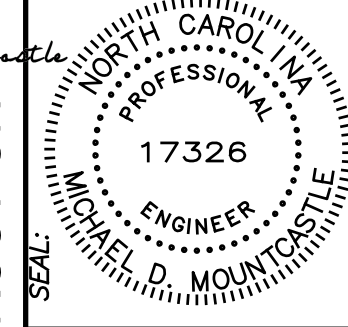
- OWNER WILL PROVIDE ROUGH GRADING UP TO THE BUILDING SUB-GRADE.
- OWNER WILL PROVIDE LOCATION OF BUILDING & ORIENTATION, BUT CONTRACTOR IS RESPONSIBLE FOR BUILDING LAYOUT. AFTER LAYOUT, VERIFY BUILDING LOCATION W/ NCDOT PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR FOOTING EXCAVATION, & MINOR GRADING AROUND OUTSIDE OF BUILDING. SOIL REMOVED DURING EXCAVATION MAY BE STORED ON SITE, COORDINATE LOCATION W/ OWNER.



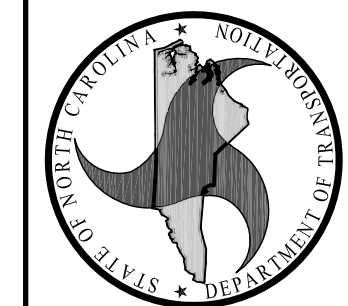
**2** **FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

**1** **FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"





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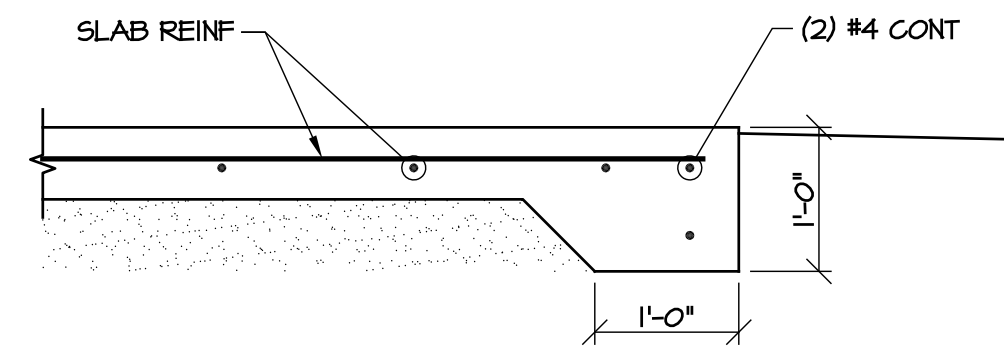
CONSULTANT:

DRAWING TITLE / DESCRIPTION:

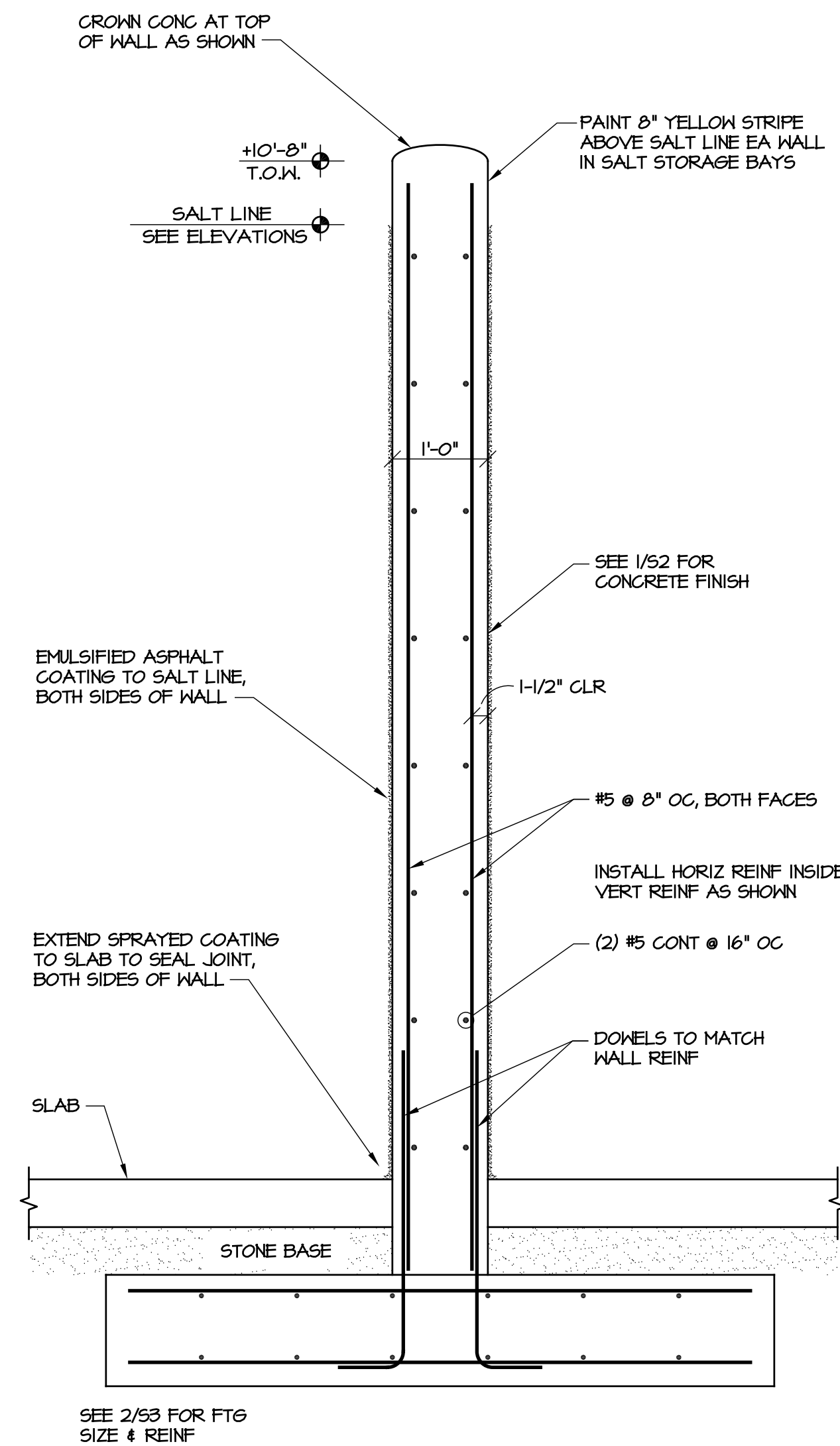
DETAILS

CONSTRUCTION DOCUMENTS

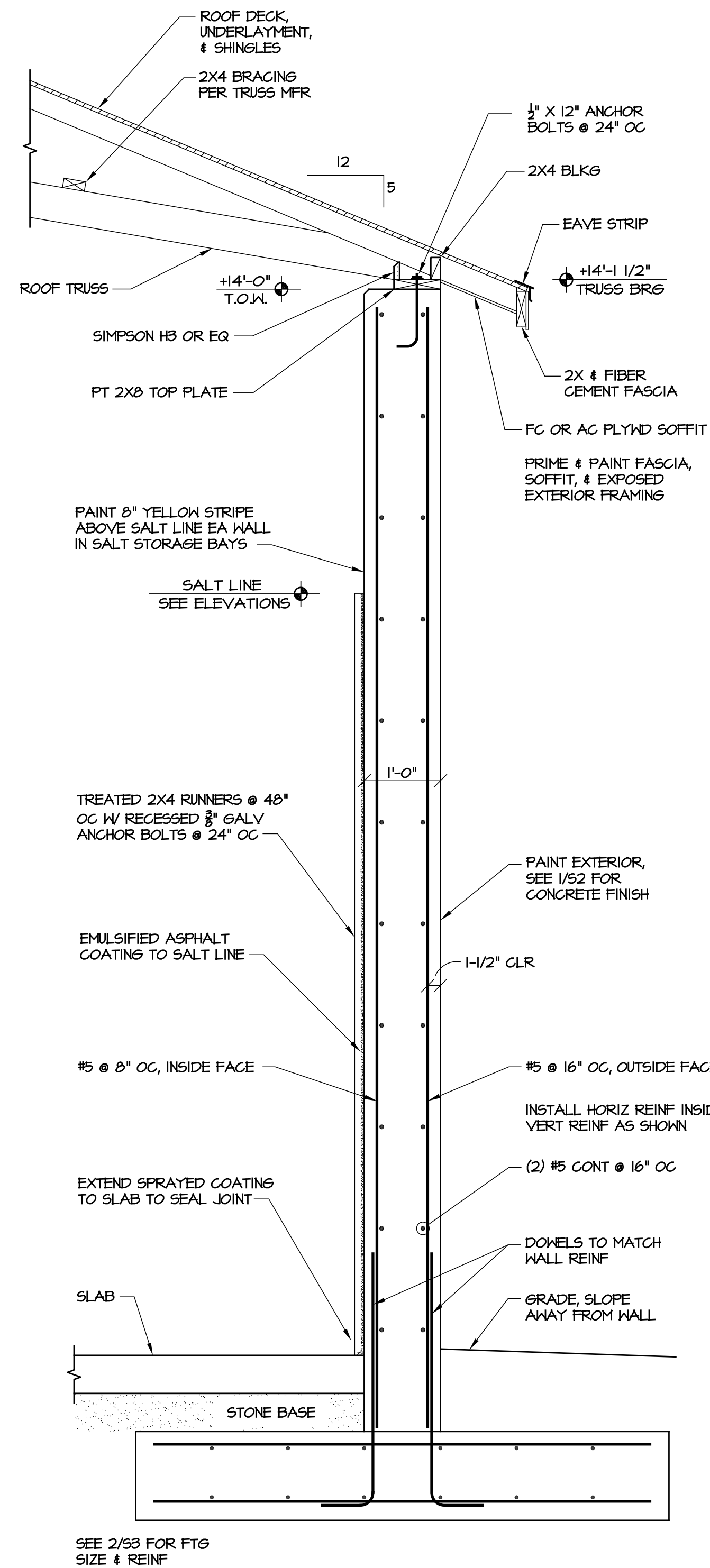
**NEW FOUR-BAY SALT  
STORAGE BUILDING**  
HIGHWAY DIVISION 11, NODOT  
ALLEGANY COUNTY, NORTH CAROLINA

STATE CONSTRUCTION  
ID# 16-13024-01AASSET NUMBER:  
CO.# SITE# BLDG.#  
03 - 02 - 00REVISIONS  
NO. DATEDATE ISSUED: 04-10-17  
DRAWN BY: MDM  
CHECKED BY: MDMSHEET NO.  
**S3**  
3 OF 4

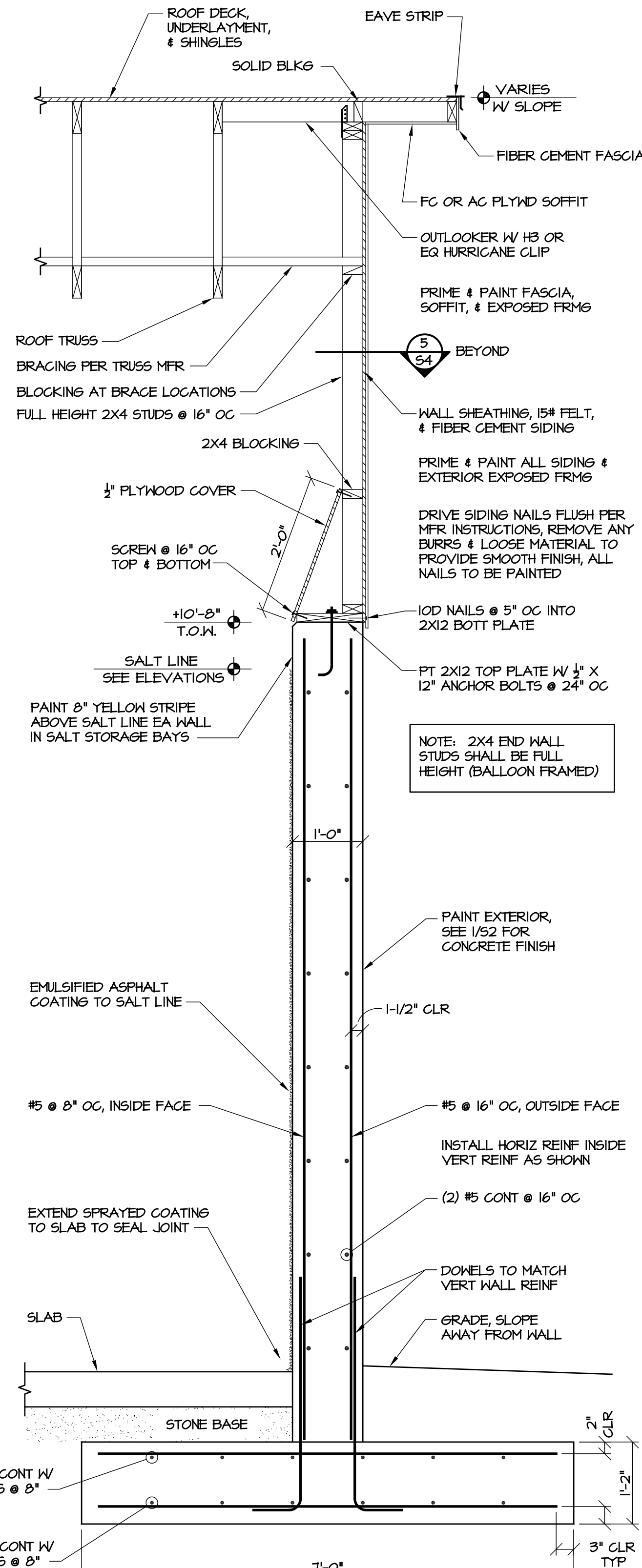
**5 APRON SLAB EDGE**  
SCALE: 3/4" = 1'-0"



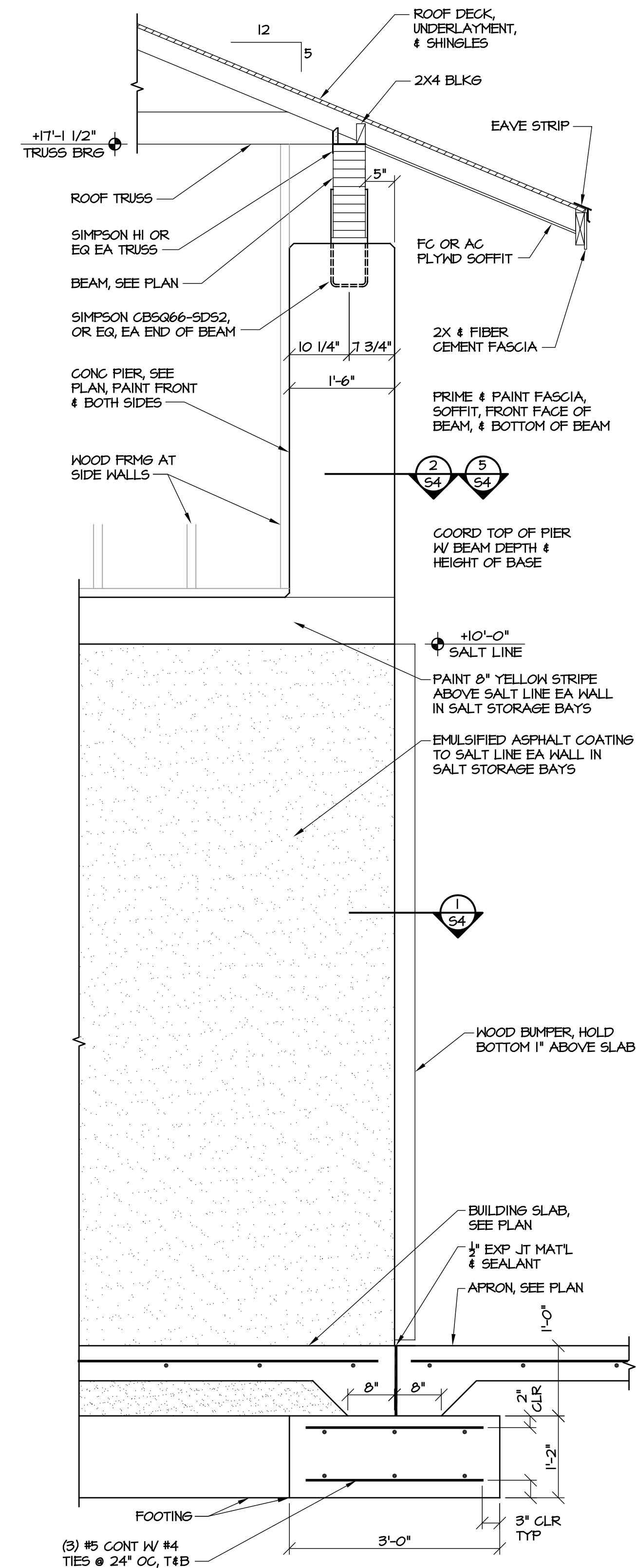
**4 SECTION AT INTERIOR WALL**  
SCALE: 3/4" = 1'-0"



**3 SECTION AT REAR WALL**  
SCALE: 3/4" = 1'-0"



**2 SECTION AT SIDE WALL**  
SCALE: 3/4" = 1'-0"



**1 SECTION AT FRONT OF BUILDING**  
SCALE: 3/4" = 1'-0"



## GENERAL NOTES:

### A. GENERAL

- See specifications for further information. In case of conflict between specifications & drawings, contact architect for resolution.
- Contractor is responsible for coordination & distribution of all changes in contract documents to all subcontractors.
- Contractor shall verify all field conditions, elevations, & dimensions prior to construction. Do not scale from plans.
- Means & methods of construction, including temporary bracing, shoring, & jobsite safety, are the responsibility of the contractor.
- Structural frame shall be braced until erection is complete & permanent connections & bracing are installed.
- Provide silt fence or other erosion & sediment control measures as required.
- If demolition is included in project, sawcut all edges of existing slab and asphalt to remain adjacent to new construction.

### B. FOUNDATION

- Footing excavations shall be reviewed by a geotechnical engineer or construction testing agency approved by the architect or engineer.
- Footing depths shown are based on geotechnical investigation or presumptive soil properties. Soft or unsuitable soils shall be removed & replaced with suitable fill as specified.
- Under slabs & footings, remove all topsoil, trash, & organic material, & replace with select fill compacted to 95% maximum density as measured by the Standard Proctor Method (ASTM 698) in 12 inch maximum lifts. The top 12" shall be compacted to 98% maximum density.
- Contractor is responsible for shoring while excavating near existing structures.

### C. CONCRETE

- See plans for required compressive strength of concrete.
- Coordinate floor slopes and depressions with arch and plumbing plans. Maintain specified slab thickness below depressed or sloped areas.
- If not specified on plans, provide sawed slab control joints in slabs on grade spaced at not more than 48 times the slab thickness.
- Reinforcing steel shall meet ASTM A 615, Grade 60.
- Welded wire reinforcement shall conform to ASTM A 185 & A 82.
- Grout under all columns & beam bearing plates with non-shrink, non-metallic grout which meets ASTM C 1107.
- Clear distance from face of concrete to main reinforcing:

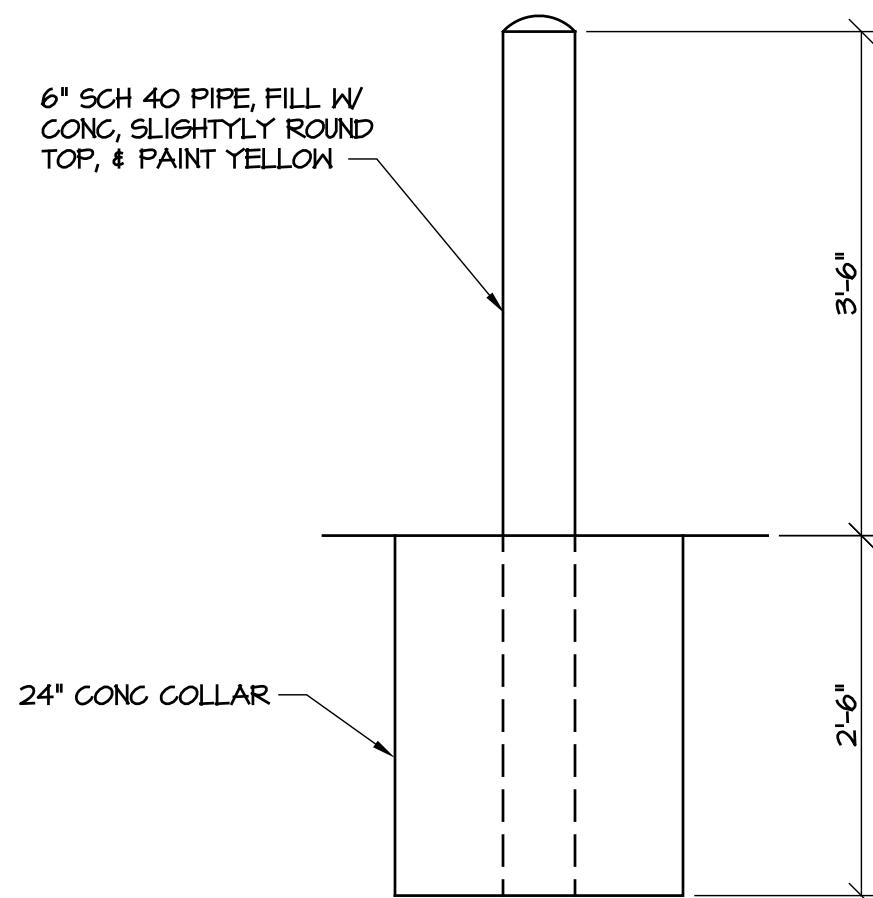
Suspended slabs and joists: 1"

Grade beams, pedestals, columns, walls: 2"

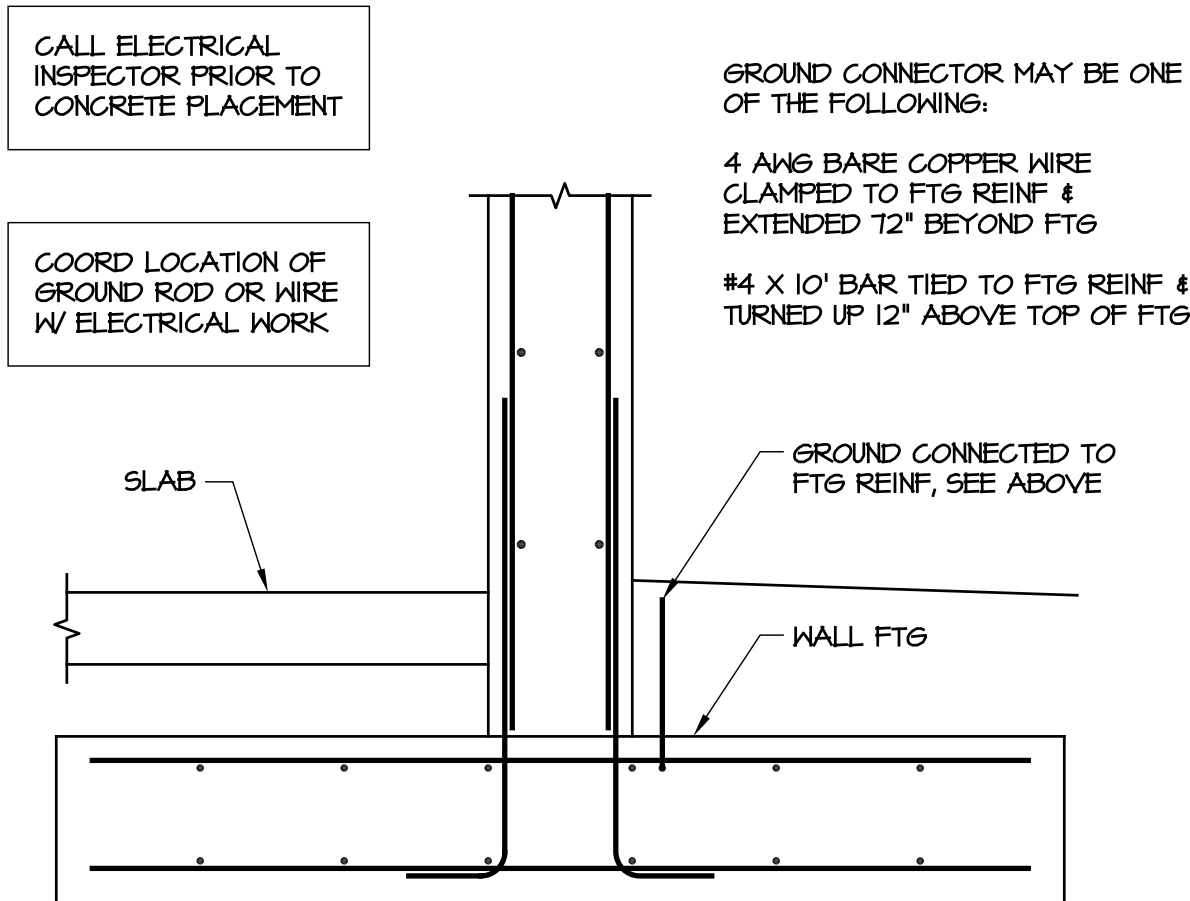
Footings & walls cast against earth: 3"
- Provide (2) #4 x 48" diagonal corner bars at center of slab at all corners of floor slab openings.
- Lap all reinforcement splices 48 bar diameters, UON.
- Detailing, fabrication, & installation of reinforcing steel shall conform to ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315).
- Workmanship, tolerances, & concrete placement shall conform to "Standard Specifications for Structural Concrete" (ACI 301).
- Chamfer exposed edges of concrete 3/4", UON.
- Anchor bolts shall conform to ASTM F 1554, Grade 36. Anchor bolts, nuts, & washers shall be galvanized.

### F. WOOD

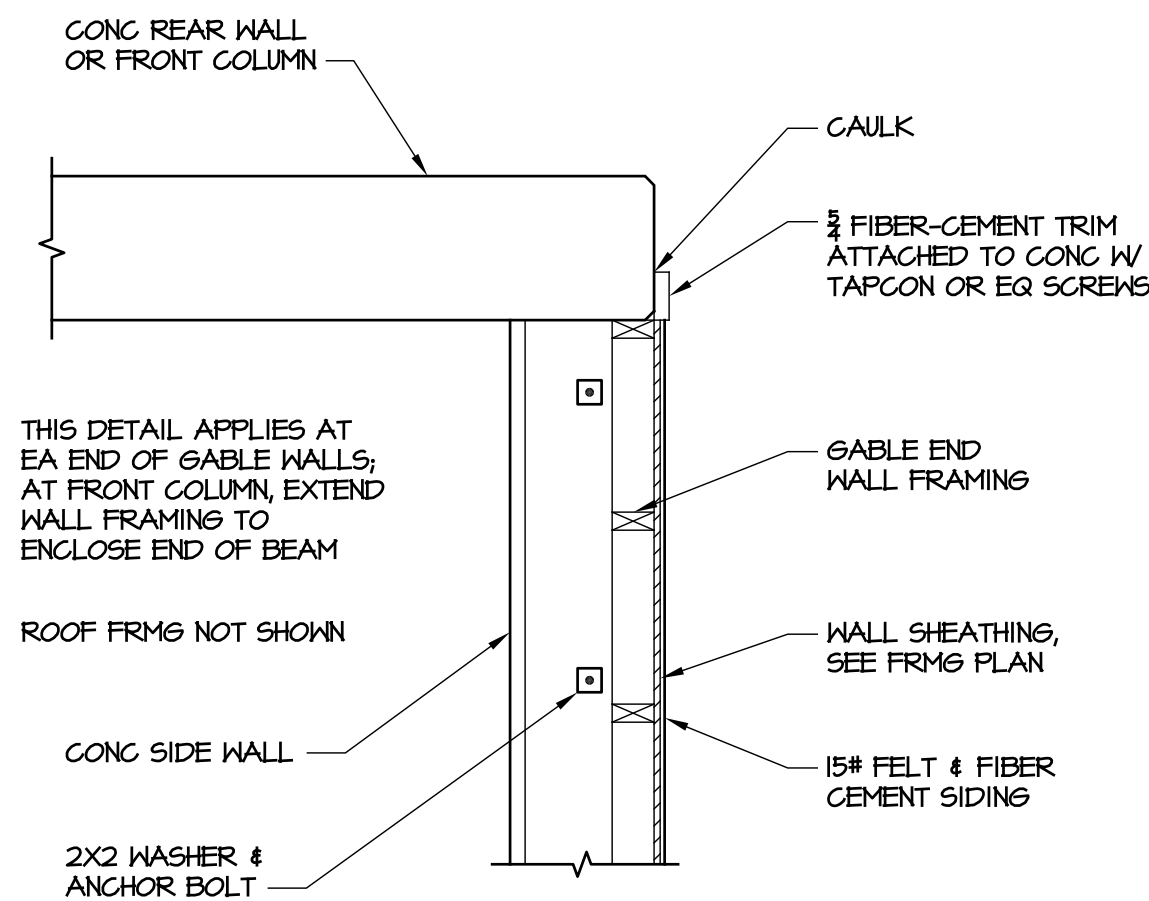
- Structural lumber shall be SPF #2 or better, UON. Wood for fabricated trusses shall be SYP #2 or better, except that webs may be SYP #3.
- Wood in contact with concrete or masonry shall be treated.
- Straps, ties, hangers, & other connection hardware shall be galvanized.
- Connections not otherwise detailed shall be in accordance with Tables 2304.9.1.1 thru 2304.9.1.6 of the NC State Building Code.
- Trusses shall be designed for the full dead & live loads specified in the contract. Submit truss shop drawings bearing the seal of a registered professional engineer licensed in the state of NC. Show truss layout & truss designs including required bracing. Bracing design is the truss designer's responsibility.
- Contractor shall install both temporary and permanent bracing. Note that permanent bracing is often shown on individual truss calculation pages instead of the truss layout sheet, especially where there is no hard ceiling applied to truss.
- Additional bracing may be required by engineer of record as indicated on plans for support of gable walls or other items.
- Install blocking in walls & ceiling where required for partitions, fixtures, & other misc items. Coordinate with all trades.



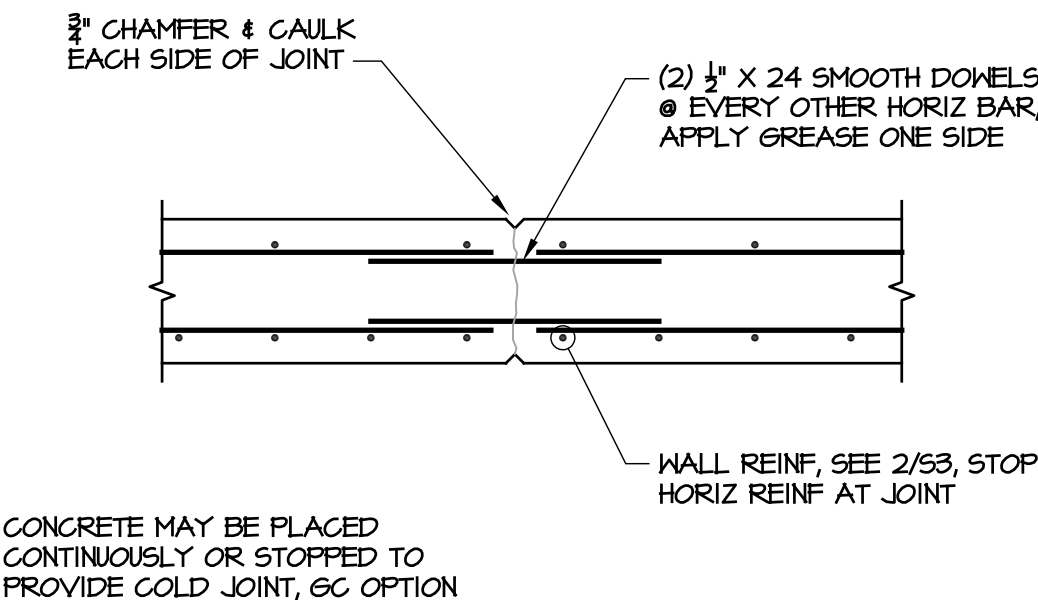
7 PIPE BOLLARD  
SCALE: 3/4\" = 1'-0\"



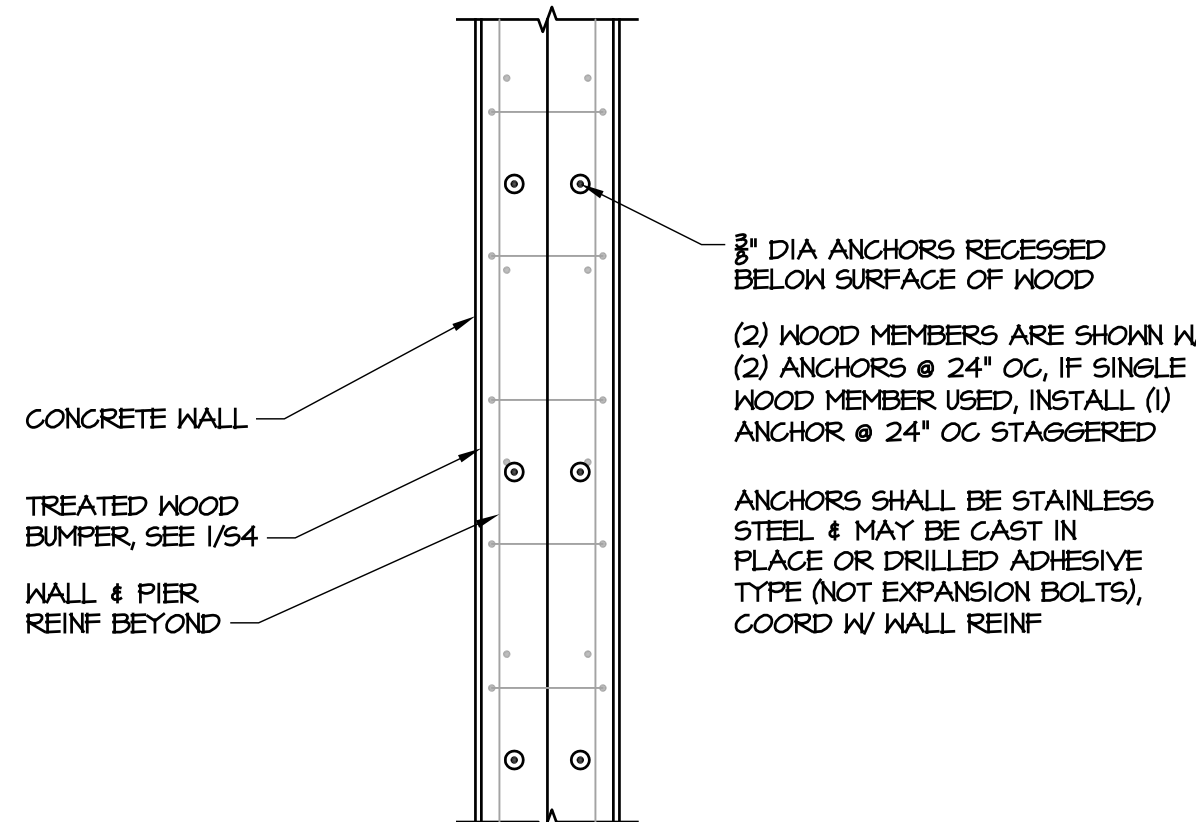
6 ELECTRICAL GROUNDING ROD  
SCALE: 3/4\" = 1'-0\"



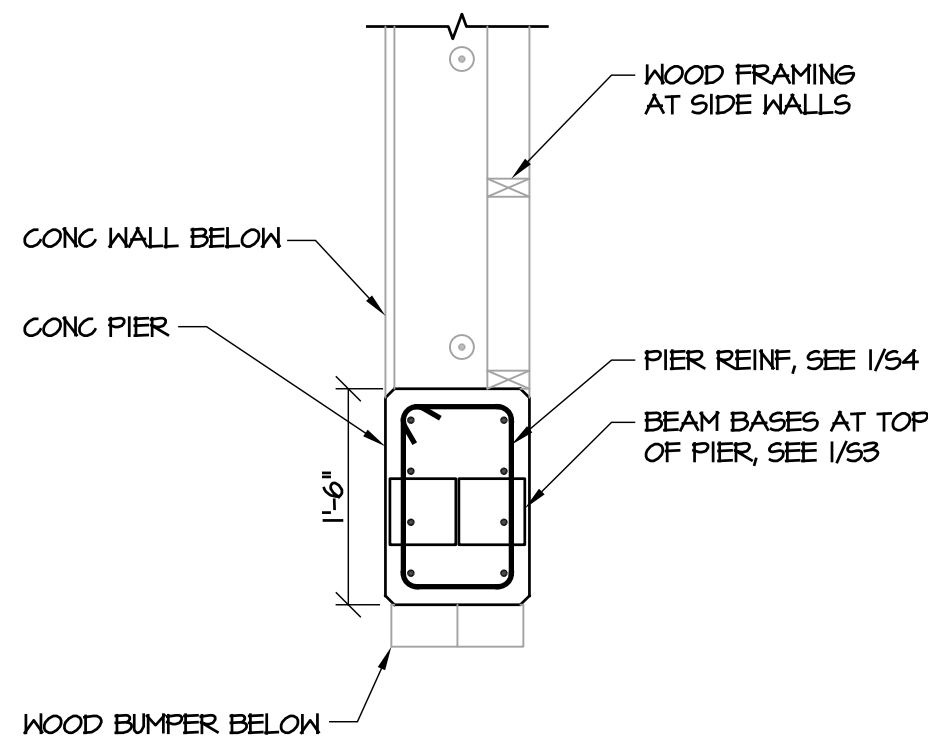
5 GABLE WALL TRIM DETAIL  
SCALE: 3/4\" = 1'-0\"



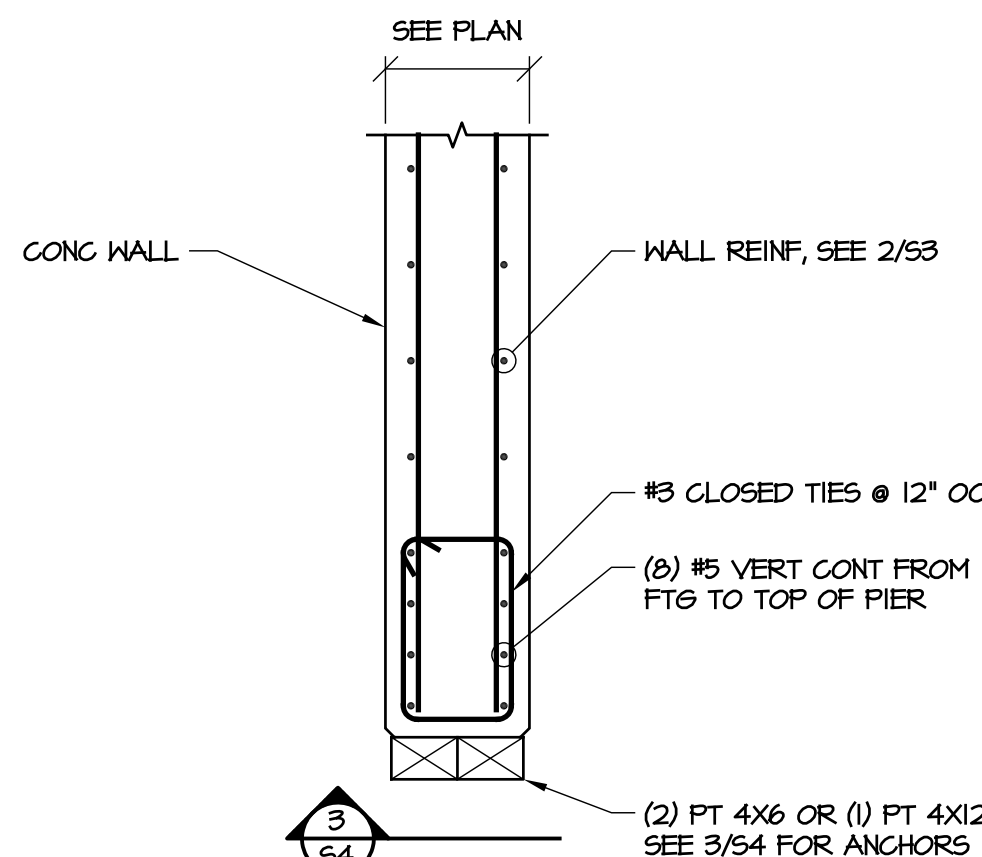
4 WALL CONTROL JOINT  
SCALE: 3/4\" = 1'-0\"



3 WOOD BUMPER ATTACHMENT  
SCALE: 3/4\" = 1'-0\"



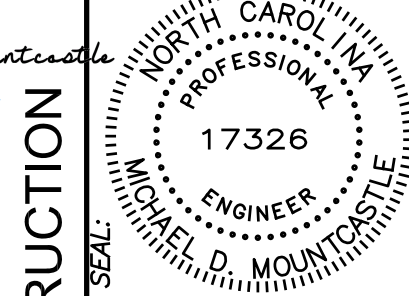
2 CONCRETE PIER  
SCALE: 3/4\" = 1'-0\"



1 FRONT EDGE OF WALL  
SCALE: 3/4\" = 1'-0\"

4/7/2017 | 5:50 AM PDT

Designed by  
Michael Mountcastle  
JADEBEB83C46A...



FOR CONSTRUCTION  
DESIGNED BY:  
**FACILITIES DESIGN**  
ARCHITECTS & ENGINEERS  
FACILITIES MANAGEMENT DIVISION, NCDOT  
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CONSULTANT:

DETAILS & GENERAL NOTES

CONSTRUCTION DOCUMENTS

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S4

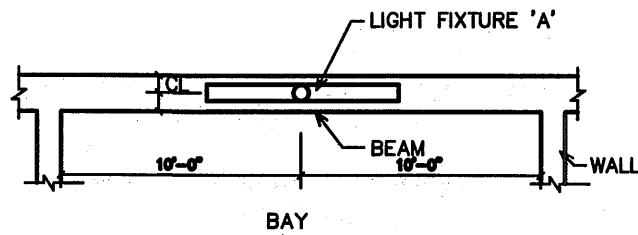
4 OF 4

SHEET NO.

**E1**



Allegany Co 4 Bay Salt Shed E2				MAKE: <u>OUTLER HAMMER</u>				RATING: <u>120/240</u> 1 PHASE <u>3</u> WIRE				100 MAIN CIRCUIT BREAKER			
EXISTING PANEL- 'A'				TYPE: <u>BR LOAD CENTER</u>				MOUNTING: <u>SURFACE</u>				EQUIPMENT GROUND BUS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
NEMA <u>3R</u>				MINIMUM AIC: <u>VERIFY</u>				SERVICE ENTRY RATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
LOAD SERVICE		CKT BRKR	WATTS PER PHASE		CT NO	NEUTRAL		CT NO	WATTS PER PHASE		CKT BRKR	LOAD SERVICE			
			A	B		A	B		A	B					
DOME LIGHT		20A	1440		1			2	460		20A	NIGHT LIGHT			
FAN		20A		780	3			4		384	20A	4-BAY LIGHTING			
RECEPTACLES		20A	540		5			6	5760		60A	BRINE SUB-PANEL			
4-BAY RECEPTACLES		20A		360	7			8		5760	60A	BRINE SUB-PANEL			
					9			10	----						
					11			12	----						
					13			14	----						
					15			16	----						
					17			18	----						
					19			20	----						
NOTES		SUB-TOTALS 'B'		1980	1140	100A BUS		6220	6144	SUB-TOTALS 'A'		TOTAL CONNECTED LOAD			
						100A LUGS		1980	1140	SUB-TOTALS 'B'					
						100A FEED		8200	7284	GRAND TOTAL					
						VERIFY SIZE		68.3A	60.7A	AMPS/PHASE					
NEC ALLOWABLE DEMAND FACTORS						DIVERSIFIED LOAD SUMMARY									
<div>① DEMAND FACTORS PER NEC 220</div> <div>② LARGEST OF: NEC TABLE 220.12 OR CONNECTED LOAD</div> <div>③ NEC TABLE 220.56</div> <div>④ NEC 220.51</div> <div>⑤ NEC 220.43A, 200 VA/LINEAR FT</div> <div>⑥ NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED</div>						LOAD TYPE		DEMAND FACTOR		A	B	TOTAL DIVERSIFIED LOAD			
						GENERAL LIGHTING		125%		2375	480	2855			
						TRACK LIGHTING		125%							
						GENERAL USE		125%		540	360	900			
						RECEPTACLES		100%							
						MOTORS AND EQUIPMENT		125%							
						WATER HEATERS		100%							
						KITCHEN EQUIPMENT		125%							
						FIX. ELEC. SPACE HEAT.		100%							
						SHOW WINDOW LIGHTS		125%							
						SUB PANEL		100%		5760	5760	11520			
						MISC		100%							
						PHASE (TOTAL VA)				8875	7360	16235			
						TOTAL AMPS				73A	62A	VOLT AMPS = 67A TOTAL AMPS			



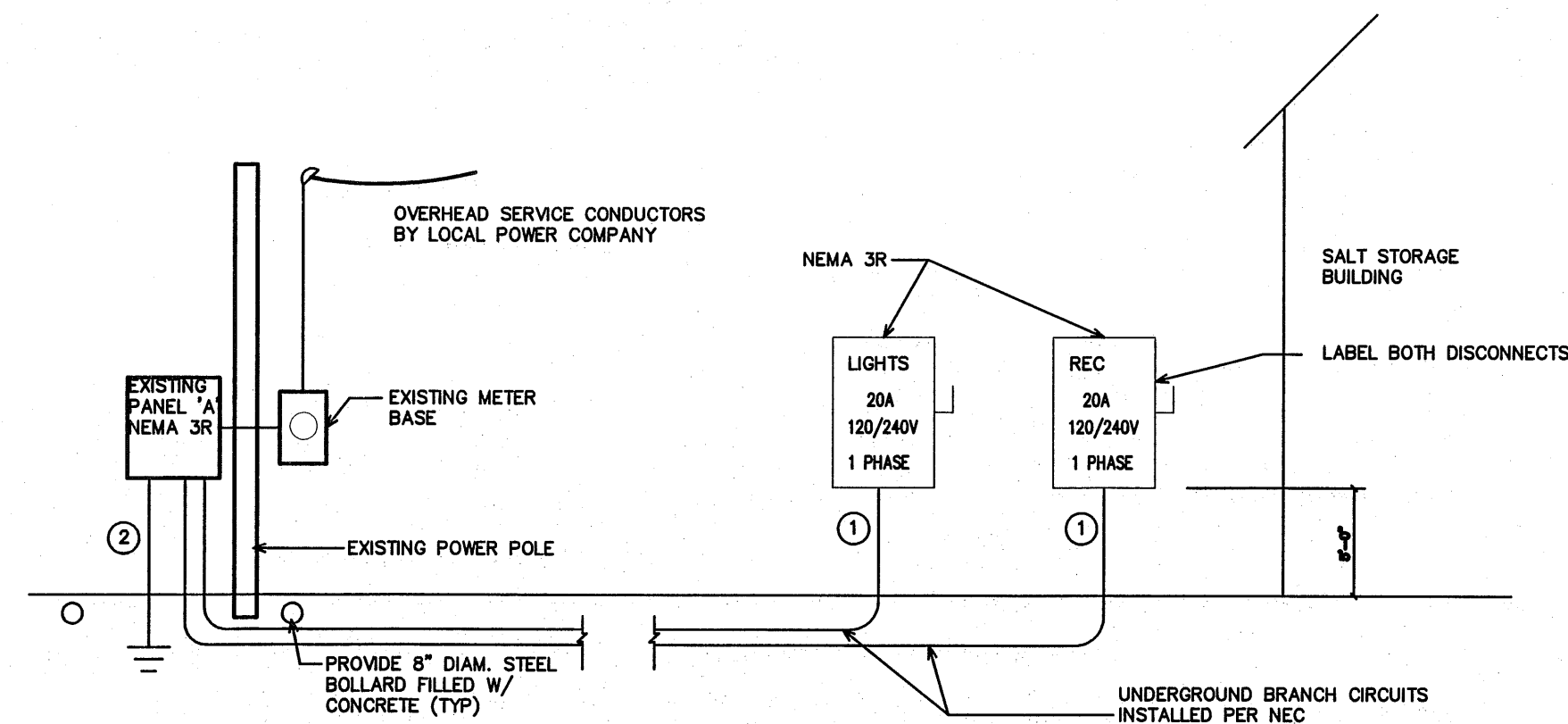
- NOTES:
1. SURFACE MOUNT LIGHT FIXTURE TO BEAM WITH LENS FACING INTO BAY.
  2. CENTER LIGHT FIXTURE ON BEAM.
  3. TYPICAL OF FOUR (4) FIXTURES.

#### 4 FIXTURE MOUNTING DETAIL

NOT TO SCALE

Allegany Co 4 Bay Salt Shed E2										
LIGHTING SCHEDULE *										
MARK	MANUFACTURER	CATALOG NO.	VOLT.	LAMPS NO.	TYPE	W	BALLAST TYPE	W/ FIXTURE	REMARKS	
A	LITHONIA	DMV-332-AR-1120-EB	120	3	T8	32	EB	96	WALL MOUNT STRIP, WEATHER TIGHT, SINGLE BALLAST, FIBERGLASS HOUSING, GASKETED COVER	**
C	COOPER	VT2-332-LEX-120V-EBB-WL								
D	DAY BRIGHT	DWE-332-120-1/2-EB-LT								

- \* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. FOR FLUORESCENT FIXTURES CONTROLLED BY MOTION SENSOR, PROVIDE "PROGRAMMED RAPID START" BALLASTS. CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY. "EB" DENOTES ELECTRONIC BALLAST.
- \*\* VERIFY FIXTURE HAS INTEGRAL LOCAL DISCONNECTING MEANS PER NEC 410.130 (G) (2011).



#### RISER WIRE SCHEDULE

- ① 100A: 3-#3, 1-#8 CU GND IN 1 1/4" CONDUIT
- ② #8 CU GND TO BUILDING STEEL FOUNDATION STEEL AND METALLIC WATER MAIN AND #8 CU GND TO 10'x 3/4" DRIVEN GROUND ROD.

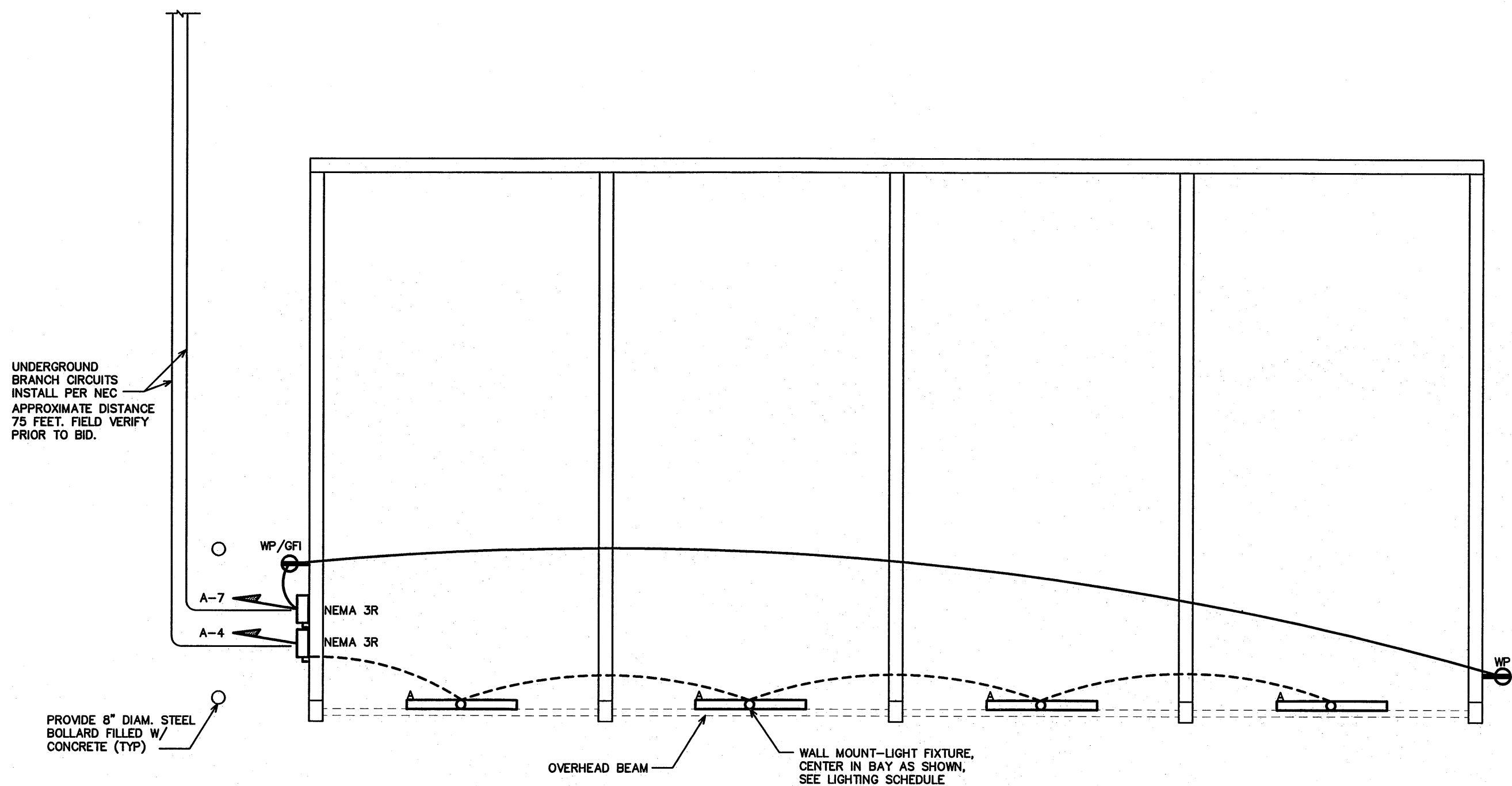
#### 3 SERVICE RISER DETAIL

NOT TO SCALE

EXISTING PANELS / SERVICE

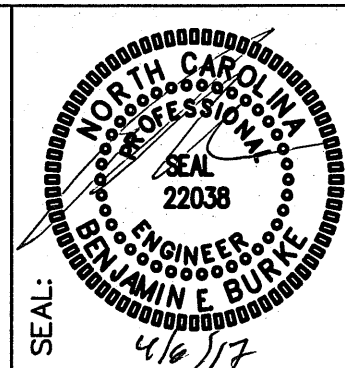
VERIFY AVAILABLE FAULT CURRENT AT SERVICE LOCATION WITH LOCAL POWER COMPANY. PROVIDE INFORMATION TO ENGINEER TO CALCULATE MINIMUM PANEL AIC RATING.

EC SHALL PROVIDE LABELING INDICATING FAULT CURRENT AT SERVICE ENTRY AND ON ALL PANELS PRIOR TO ENERGIZING.



#### 1 ELECTRICAL POWER & LIGHTING PLAN

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



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DRAWING TITLE / DESCRIPTION:

NOTES, SPECS, DETAILS  
RISERS, PANELS

PROJECT TITLE:

**FOUR-BAY SALT SHED**  
DIVISION 12, NCDOT  
ALLEGANY COUNTY, NC

STATE CONSTRUCTION  
ID.# 16-13024-01A

ASSET NUMBER:  
CO.# SITE.# BLDG.#

REVISIONS  
NO. DATE

DATE ISSUED: 04/06/17  
DRAWN BY: RM  
CHECKED BY: RB

SHEET NO.

**E2**