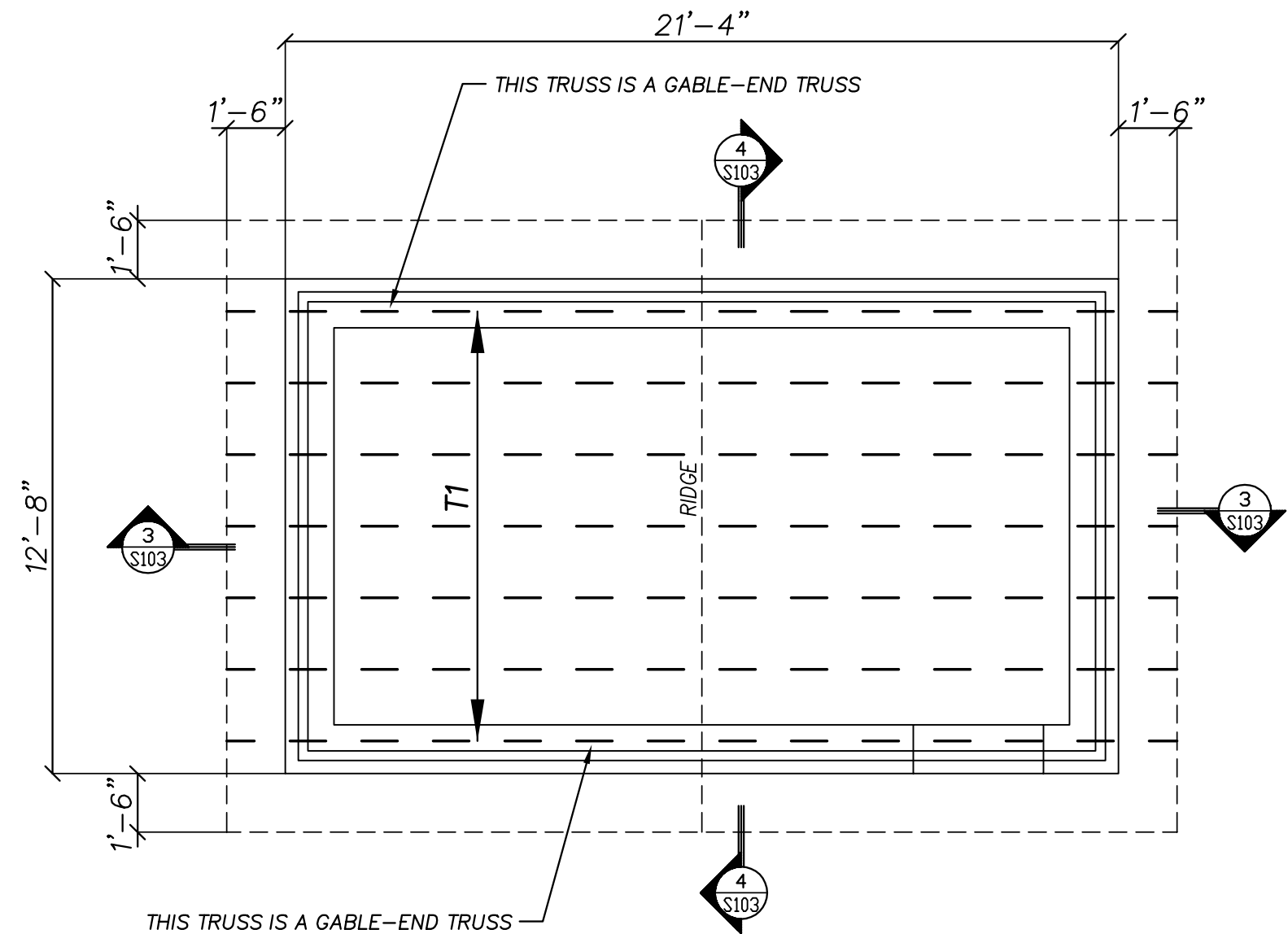


### PUMP HOUSE FOUNDATION PLAN

1" = 1'-0"

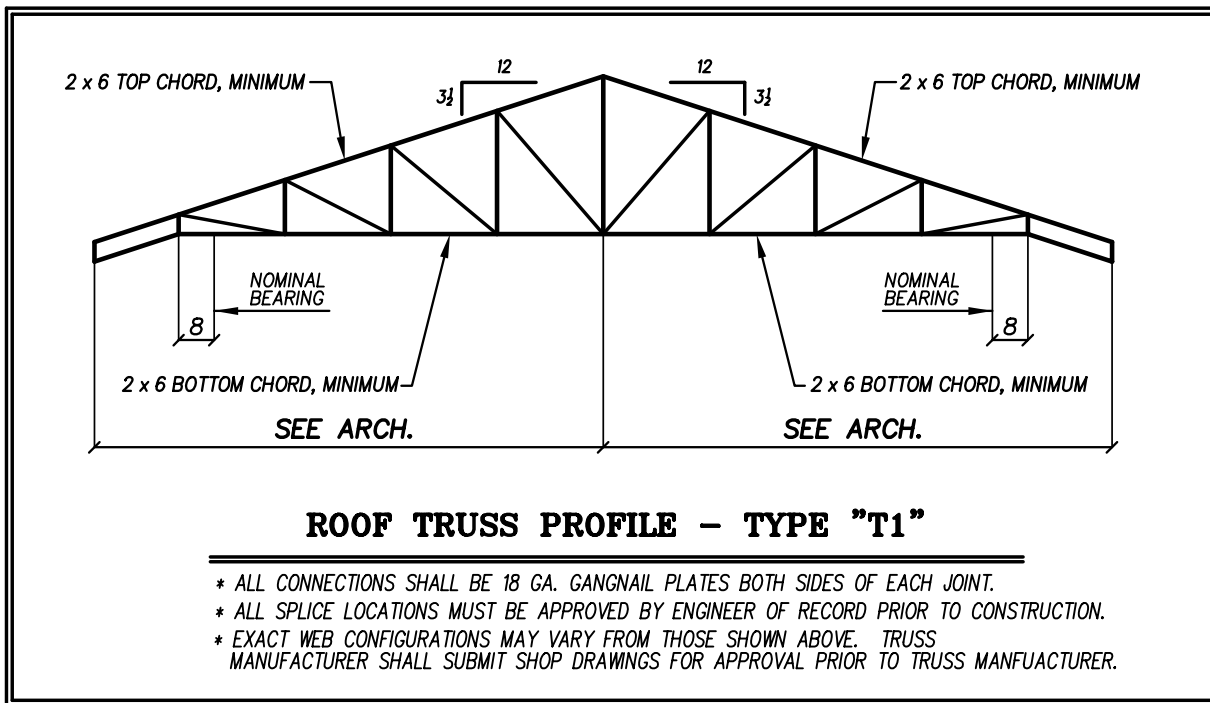
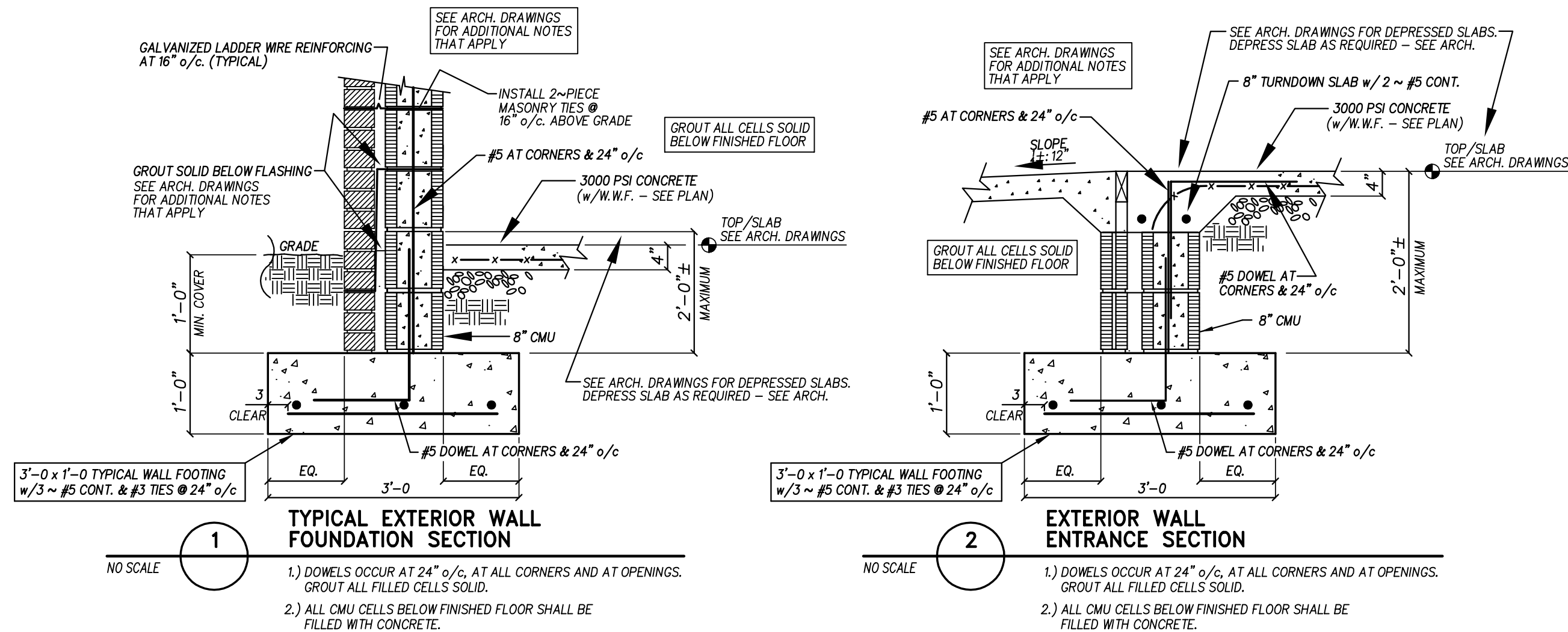
- 1.) FOOTING DESIGN BASED ON SOIL BRG. CAPACITY OF 1000 PSF.  
(BASED ON REPORT BY TERRACON DATED 12/27/2022 - PROJ. NO. 72225128)  
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF RECORD IF UNSTABLE, ORGANIC, WEAK OR OTHERWISE UNACCEPTABLE SOIL CONDITIONS ARE ENCOUNTERED DURING EXCAVATIONS OR SUBSEQUENT GEOTECHNICAL INVESTIGATIONS.
- 2.) ELEV. NOTED ( - ) ARE BELOW REFERENCE FINISHED FLOOR TO TOP OF FOOTING.
- 3.) SLAB ON GRADE IS NORMAL WEIGHT CONCRETE WITH REINFORCED WITH 6x6 W1.4 x W1.4 W/M ON A 4" NO. 57/67 WASHED STONE AND 15 MIL POLY VAPOR BARRIER, TYP. U.O.N.
- 4.) ALL CONCRETE SHALL BE A MINIMUM STRENGTH OF 3000 PSI MEETING ACI 301 AND ACI 318. ALL CONCRETE SHALL BE MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES SUBJECT TO PUMPING SHALL BE TAKEN AT THE EXIT END OF THE PUMP AT THE ELEVATION OF PLACEMENT. (REFERENCE ACI MANUAL OF CONCRETE PRACTICE).
- 5.) ALL REINFORCING BARS SHALL BE GRADE 60 CONFORMING TO ASTM 615. LAP BARS WHERE REQUIRED USING GLASS B TENSION LAP SPLICES, OR 40 BAR DIAMETERS. DEVELOPMENT LENGTHS SHALL BE CRSI MINIMUM UON.
- 6.) REFERENCE ARCHITECTURAL AND PLUMBING DRAWINGS FOR COORDINATION OF SLOPED FLOORS AT FLOOR DRAINS, AND DEPRESSED FLOOR SLAB LOCATIONS.
- 7.) ARCHITECTURAL BACKGROUND IS SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF WALLS.
- 8.) LOCATE ALL WALLS AND MASONRY OPENINGS PER ARCHITECTURAL DRAWINGS.



### PUMP HOUSE ROOF FRAMING PLAN

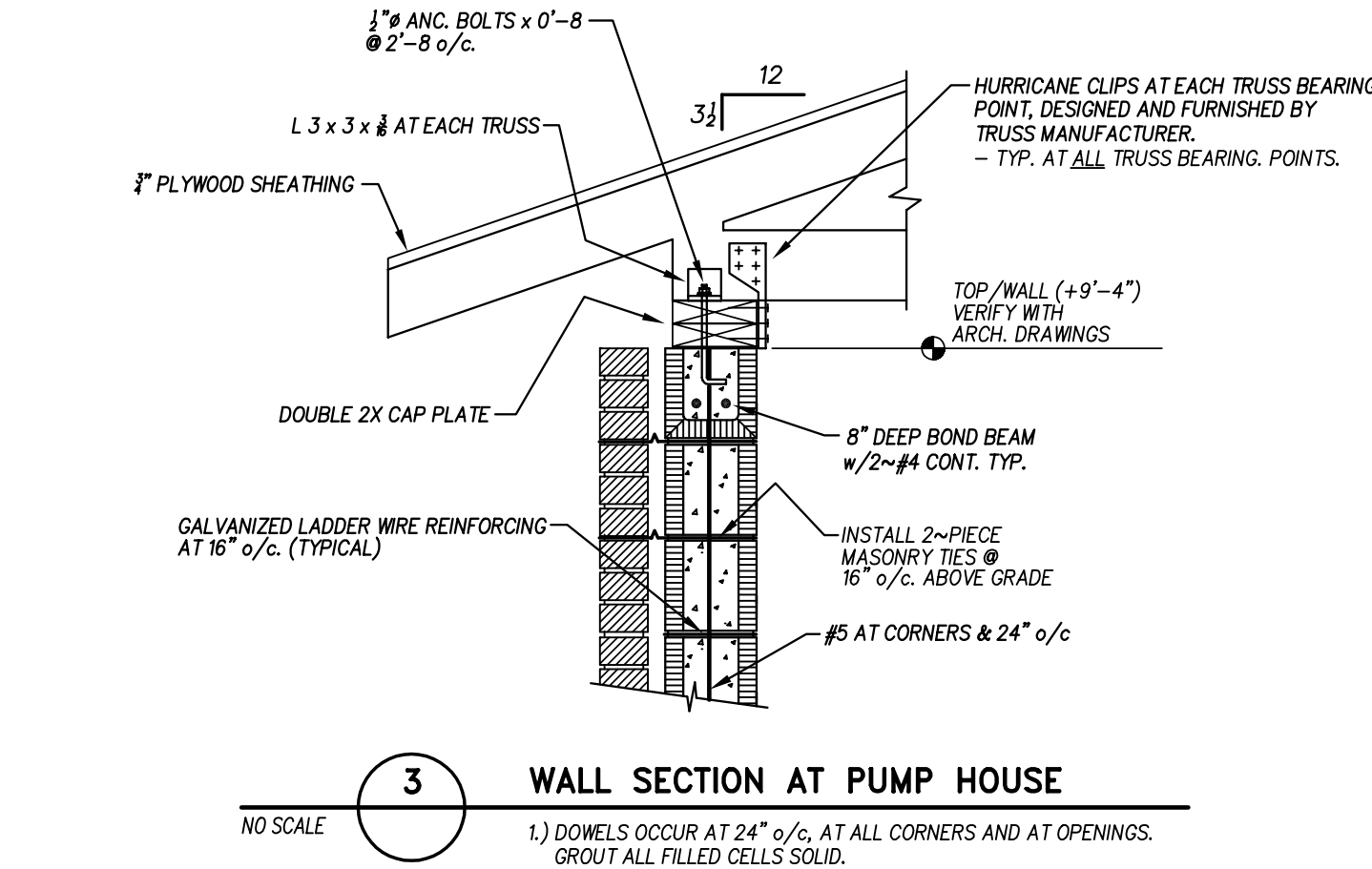
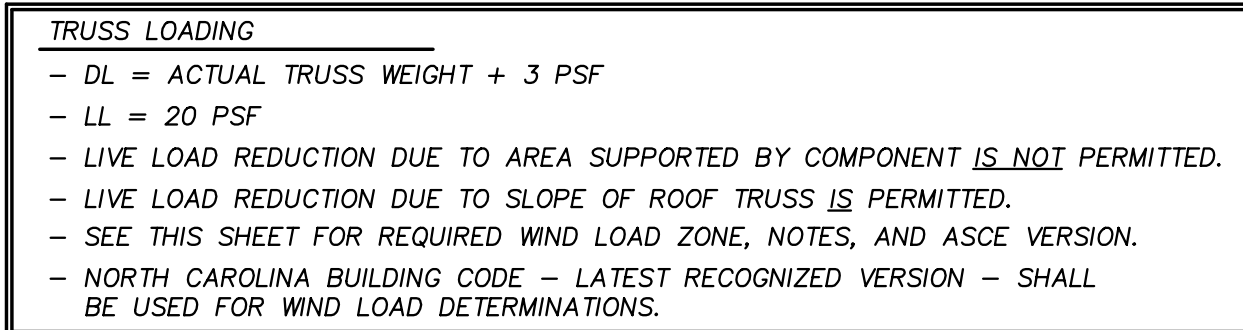
1" = 1'-0"

- 1.) TRUSS SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA. HANDLING AND ERECTION OF TRUSSES SHALL BE IN ACCORDANCE WITH AISI STANDARDS. ALL CONNECTIONS OF TRUSSES SHALL BE DESIGNED BY TRUSS SUPPLIER.
- 2.) SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL ROOF CONSTRUCTION NOTES THAT APPLY.
- 3.) TRUSS SPACING SHALL BE 1'-10 1/2" o/c, MAXIMUM.

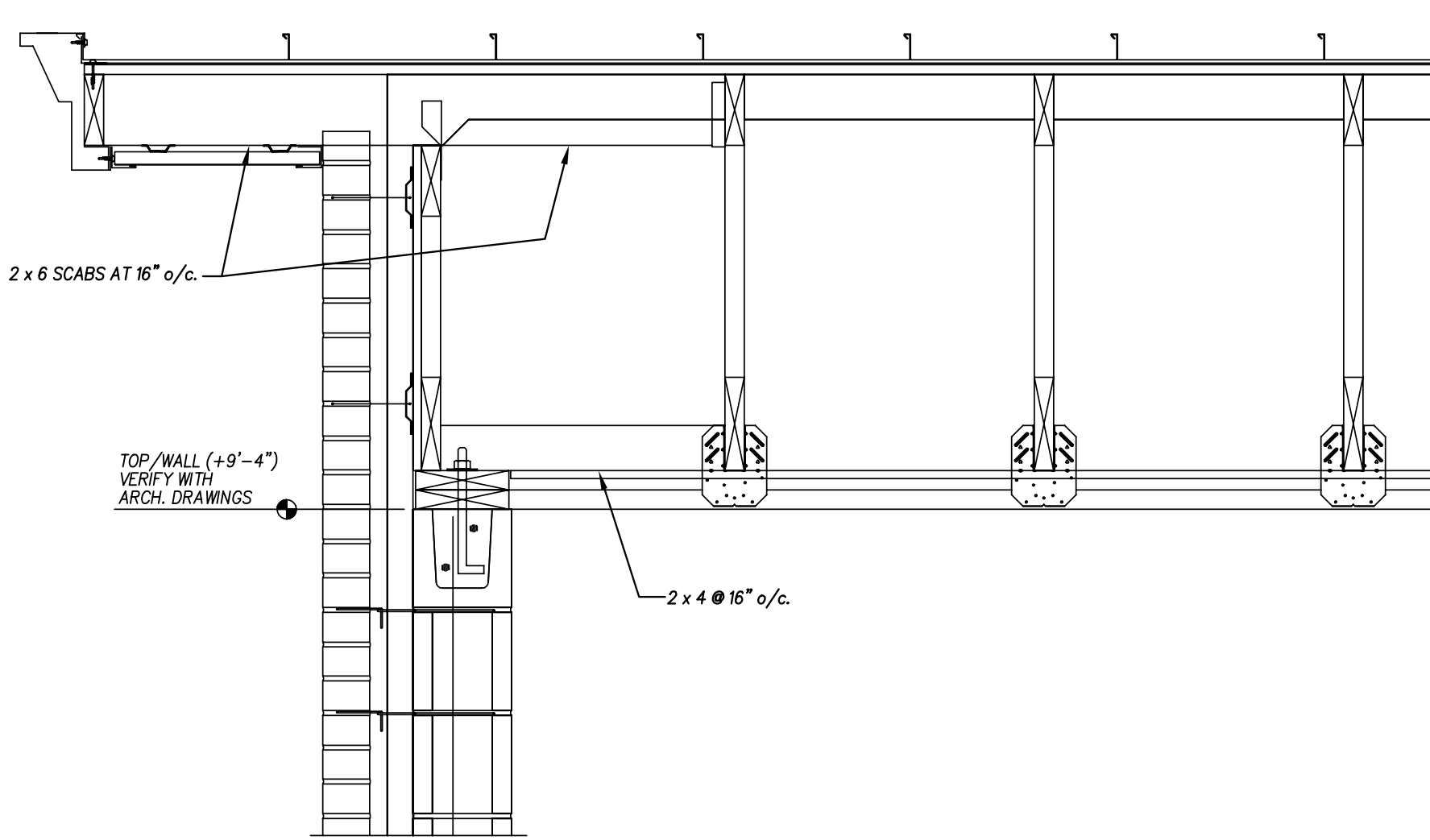


#### TRUSS GENERAL NOTES

- 1.) CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT REQUIRED BEFORE PERMANENT DIAPHRAM AND BRACING MEMBERS ARE IN PLACE.
- 2.) ALL CONNECTIONS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 3.) TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.



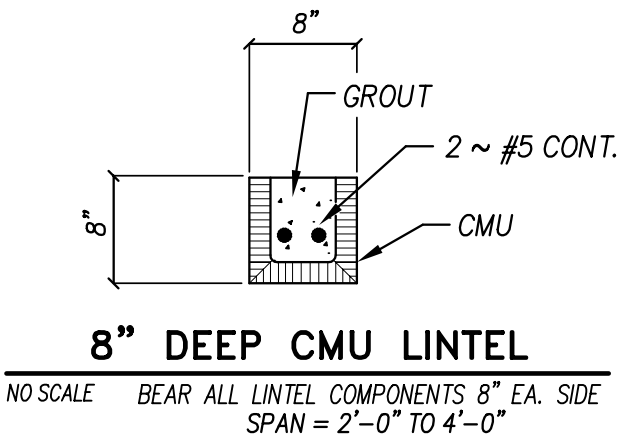
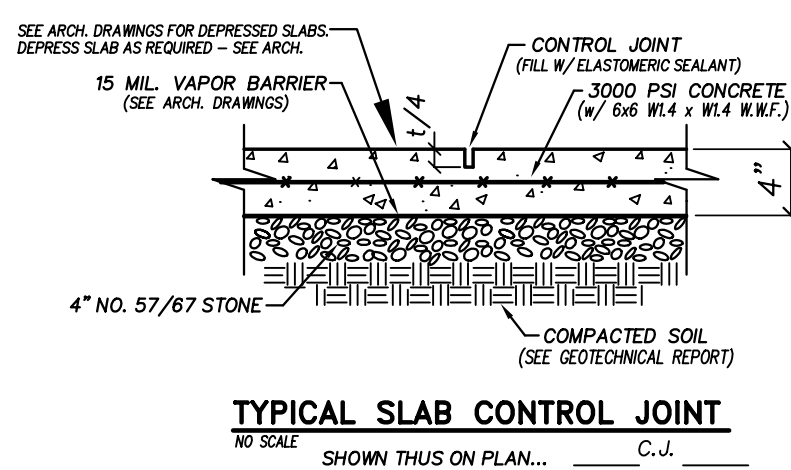
- 1.) DOWELS OCCUR AT 24" o/c AT ALL CORNERS AND AT OPENINGS. GROUT ALL FILLED CELLS SOLID.



- 1.) SEE SECTION 3 THIS SHEET FOR ADDITIONAL NOTES THAT APPLY

#### DESIGN CODE DATA (PUMP HOUSE ONLY)

1. IMPORTANCE FACTORS:
  - WIND SHOW SEISMIC:  $I_s = 1.0$ ,  $I_s = 1.1$ ,  $I_s = 1.25$
2. LIVE LOAD:
  - ROOF: 20 PSF
  - PLATFORMS: 60 PSF
  - CORRIDORS: 80 PSF
  - STAIRS: 100 PSF
3. DEAD LOAD:
  - ROOF: 20 PSF (MAXIMUM)
4. SNOW LOAD:
  - $P_g$ : 10.0 PSF
  - $C_t$ : 1.0
  - $C_e$ : 0.9
  - $P_f$ : 7.8 PSF
  - $P_s$ : 7.8 PSF
5. WIND LOAD:  $V_{100} = 131$  3 SEC PEAK GUST MPH (ASCE 7 - 10)  
 $V_{50} = 101.4$  MPH  
EXPOSURE: C  
INTERNAL PRES. COEFF.: +/- 0.18 (ENCLOSED)  
MMFRS DESIGN WIND PRES.: 37.3 PSF  
WIND BASE SHEARS:  $V_x$  (KIPS) = 7.2,  $V_y$  (KIPS) = 9.3
6. SEISMIC DESIGN (ASCE 7 - 10):
  - $S_s$ : 0.124
  - $S_1$ : 0.063
  - $S_{ms}$ : 0.311
  - $S_{m1}$ : 0.219
  - $S_{ds}$ : 0.207
  - $S_{d1}$ : 0.146
  - DESIGN CATEGORY: C
  - SITE CLASS: E
  - USE GROUP: III
  - MMFRS: A. BEARING WALL SYSTEM
  - R: 2
  - $C_s$ : 0.1
  - PROCEDURE: EQUIV. LATERAL FORCE COMPONENTS
  - LATERAL DESIGN CONTROLS: WIND
  - SEISMIC BASE SHEARS:  $V_x$  (KIPS) = 7,  $V_y$  (KIPS) = 7
7. SOIL BEARING VALUE: 1000 PSF.  
(BASED ON REPORT BY TERRACON DATED 12/27/2022 - PROJ. NO. 72225128)



No.	Date	Revision

**Hite associates**  
ARCHITECTURE / ENGINEERING / TECHNOLOGY  
2600 Meridian Drive / Greenville, NC 27858 / tel (252) 757-0033

NE LIC C-1050  
**QUEEN ENGINEERING & DESIGN**  
REGISTERED PROFESSIONAL ENGINEER  
NORTH CAROLINA  
19991  
05 SEPT 2023

COMMUNITY CENTER AND GYMNASIUM FOR  
Alice F. Keene District Park  
4561 County Home Road, Greenville, NC 27858

Project No. 22207  
Date: 05 SEPT 2023  
Drawing no. S 103