



**Village of Sackets Harbor**  
Brown Shores Road Pump Station Improvements  
BCA Project No. 2020-028

**Addendum No. 4**  
January 24, 2024

This addendum is hereby made part of the Contract Documents as though it were originally included therein and must be acknowledged by the bidder in the proper place on the bid form.

**Project Plans**

**1. Reference Sheet S-1:**

- a. Attached to this addendum are pictures of the existing pump(s)/piping configuration for reference.

**2. Reference Sheet D-1:**

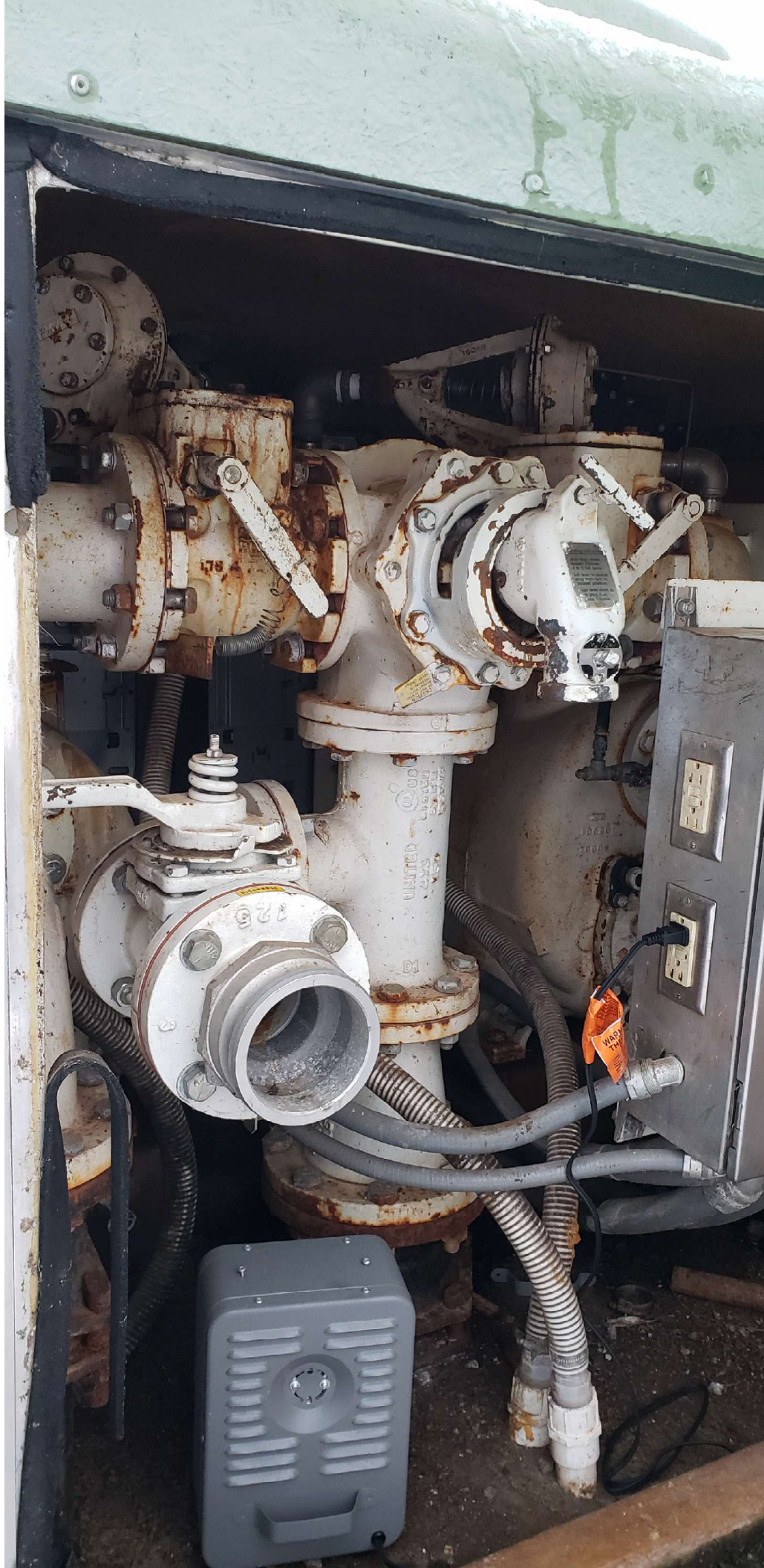
- a. **DELETE D-1** in its entirety, and **SUBSTITUTE** the attached sheet **AD4/D-1**.

Respectfully Submitted,

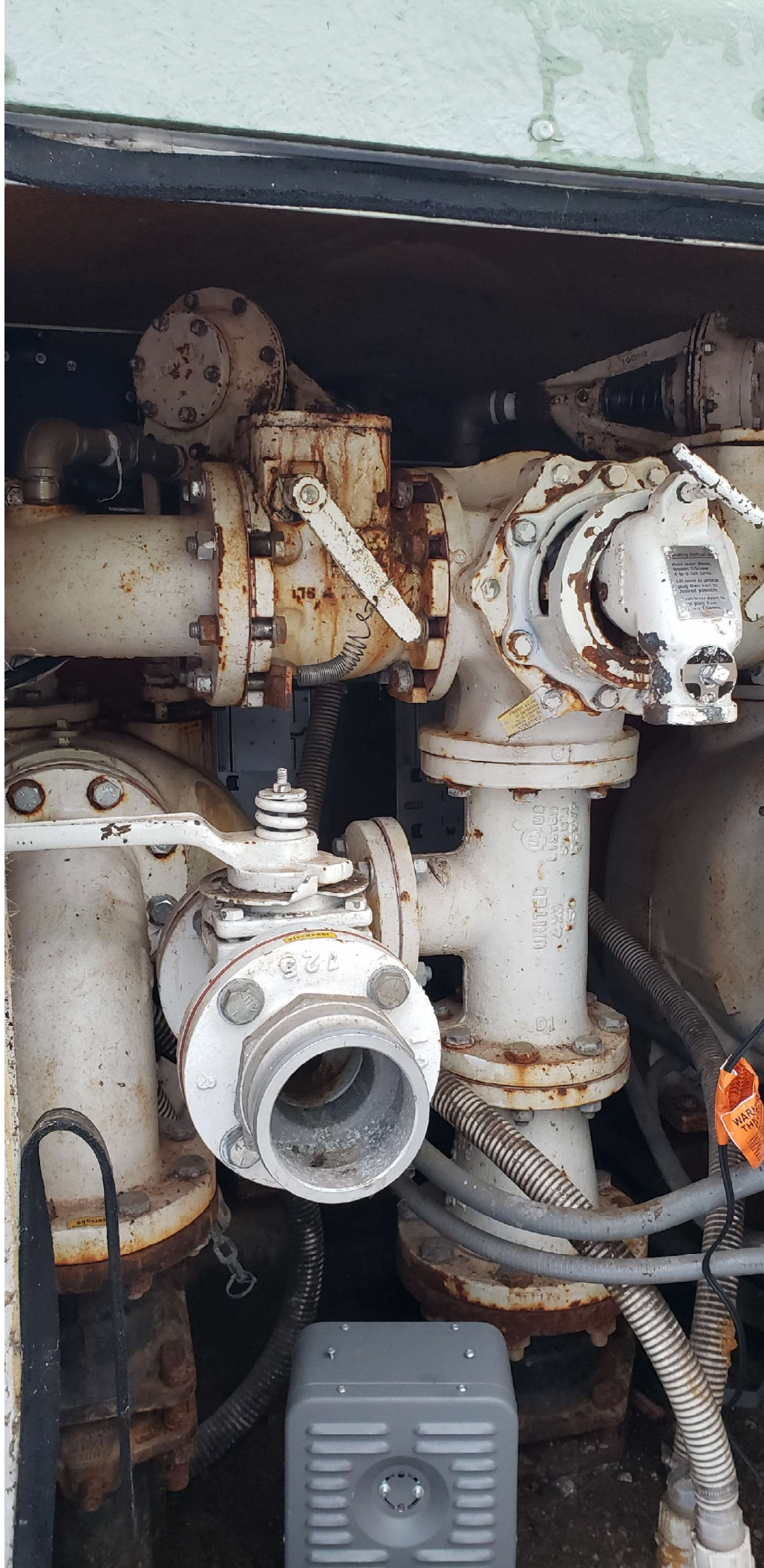
**BCA ARCHITECTS & ENGINEERS**

A handwritten signature in black ink that reads 'Brandon M. Sparacino'.

**Brandon M. Sparacino, P.E**  
Associate/Civil Engineer







Caution Instructions  
1. Hold handle down.  
2. Rotate clockwise  
3. Do not turn handle  
4. Let lever to operate  
5. Push down lever to  
6. Release pressure.  
7. Push lever down to  
8. Stop engine.  
9. Push lever down to  
10. Stop engine.

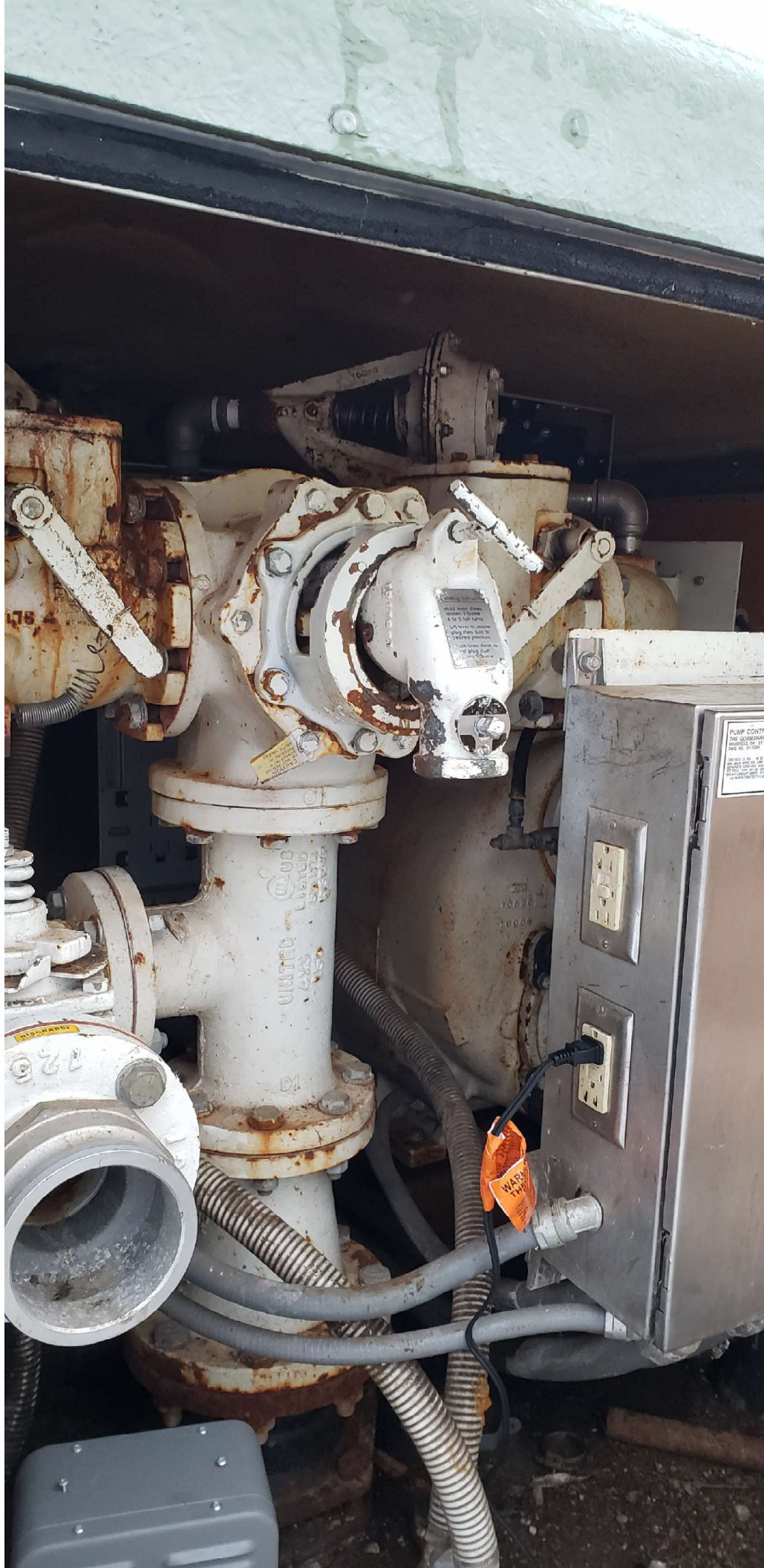
UNITED STATES  
4-283  
150

723

WARNING  
HIGH VOLTAGE







PUMP CONTROL  
THE OPERATOR  
SHOULD BE  
IN THE  
CONTROL ROOM  
AT ALL TIMES

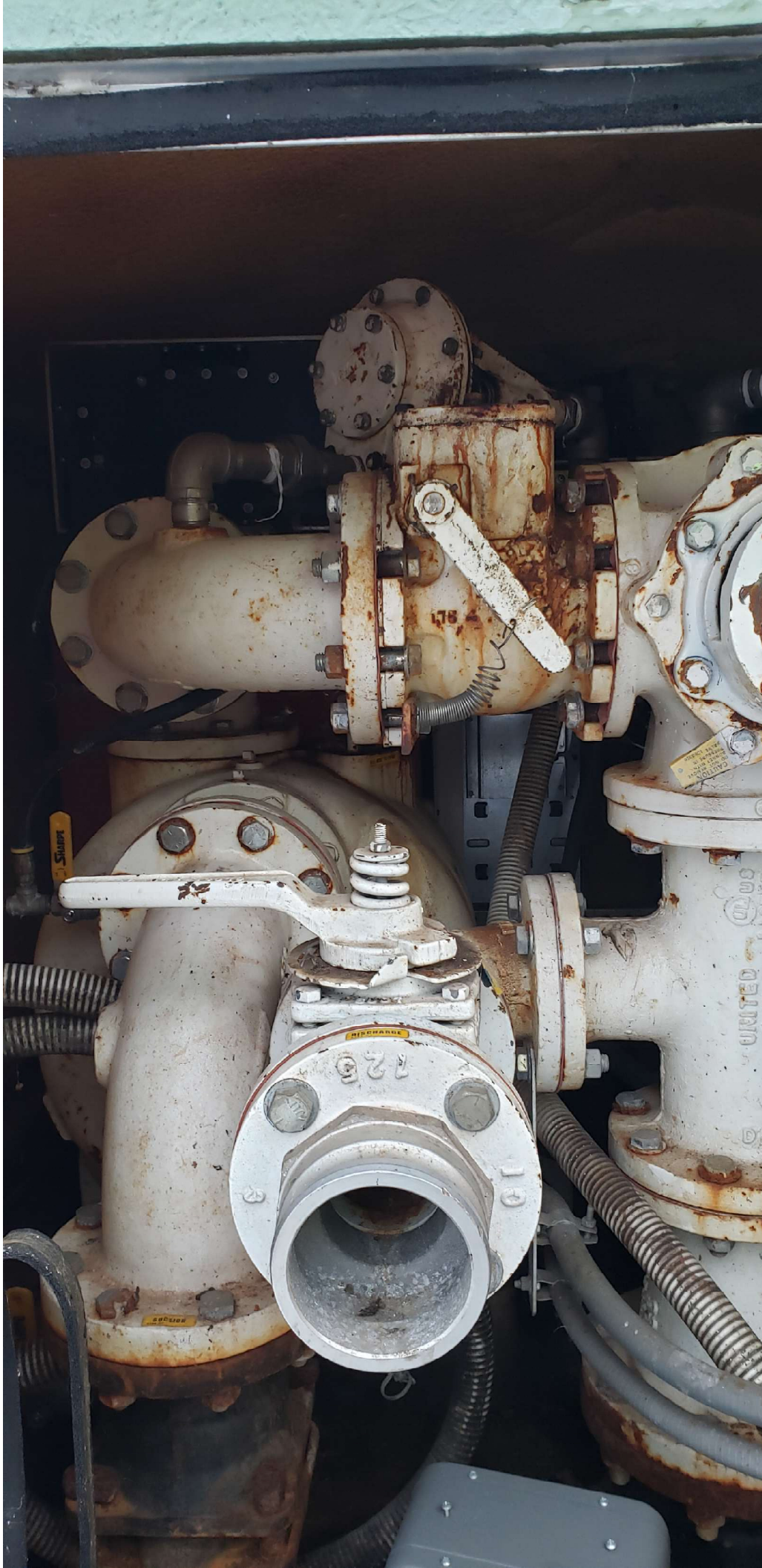
WARNING  
TAG

UNITED STATES PATENT

UNITED STATES PATENT  
10000

120













**Operating Instruction:**

Hold lever down,  
loosen T-Screw  
4 to 5 full turns.

Lift lever to unseat  
plug then turn to  
desired position.

Push lever down to  
seat plug then  
tighten T-Screw.

27898  
WIA  
MAY 19 1988  
MAY 19 1988

WARNING



**STRUCTURAL DESIGN CRITERIA (SDC):**

1. BUILDING CODE:
  - 1.1 BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE
  - 1.2 RISK CATEGORY: III
  - 1.3 DESIGN BASIS: LRPD
2. LIVE LOADS:
  - 2.1 FLOOR LIVE LOADS: 125 PSF
  - 2.2 ROOF LIVE LOADS: 20 PSF
3. SNOW LOADS:
  - 3.1 FLAT ROOF SNOW LOAD PG: 51 PSF
  - 3.2 GROUND SNOW LOAD PF: 60 PSF
  - 3.3 SNOW EXPOSURE FACTOR CE: 1.0
  - 3.4 THERMAL FACTOR CT: 1.1
4. WIND LOADS:
  - 4.1 BASIC WIND SPEED V=115MPH
  - 4.2 WIND EXPOSURE C
5. EARTHQUAKE DESIGN DATA:
  - 5.1 SEISMIC IMPORTANCE FACTOR IE: 1.25
  - 5.2 SITE CLASS C
  - 5.3 MAPPED SPECTRAL RESPONSE:
    - 5.3.1 SHORT TERM SS: 0.245
    - 5.3.2 1 SEC S1: 0.074
  - 5.4 DESIGN SPECTRAL RESPONSE:
    - 5.4.1 SHORT TERM SDS: 0.196
    - 5.4.2 1 SEC SD1: 0.084
  - 5.5 SEISMIC FORCE RESISTING SYSTEM: SEE SDC NOTE 1
  - 5.6 RESPONSE MODIFICATION FACTOR: SEE SDC NOTE 1
  - 5.7 SEISMIC RESPONSE COEFF. SEE SDC NOTE 1
  - 5.8 ANALYSIS PROCEDURE USED: SEE SDC NOTE 1
  - 5.9 SEISMIC BASE SHEAR: SEE SDC NOTE 1
  - 5.10 SEISMIC DESIGN CATEGORY B

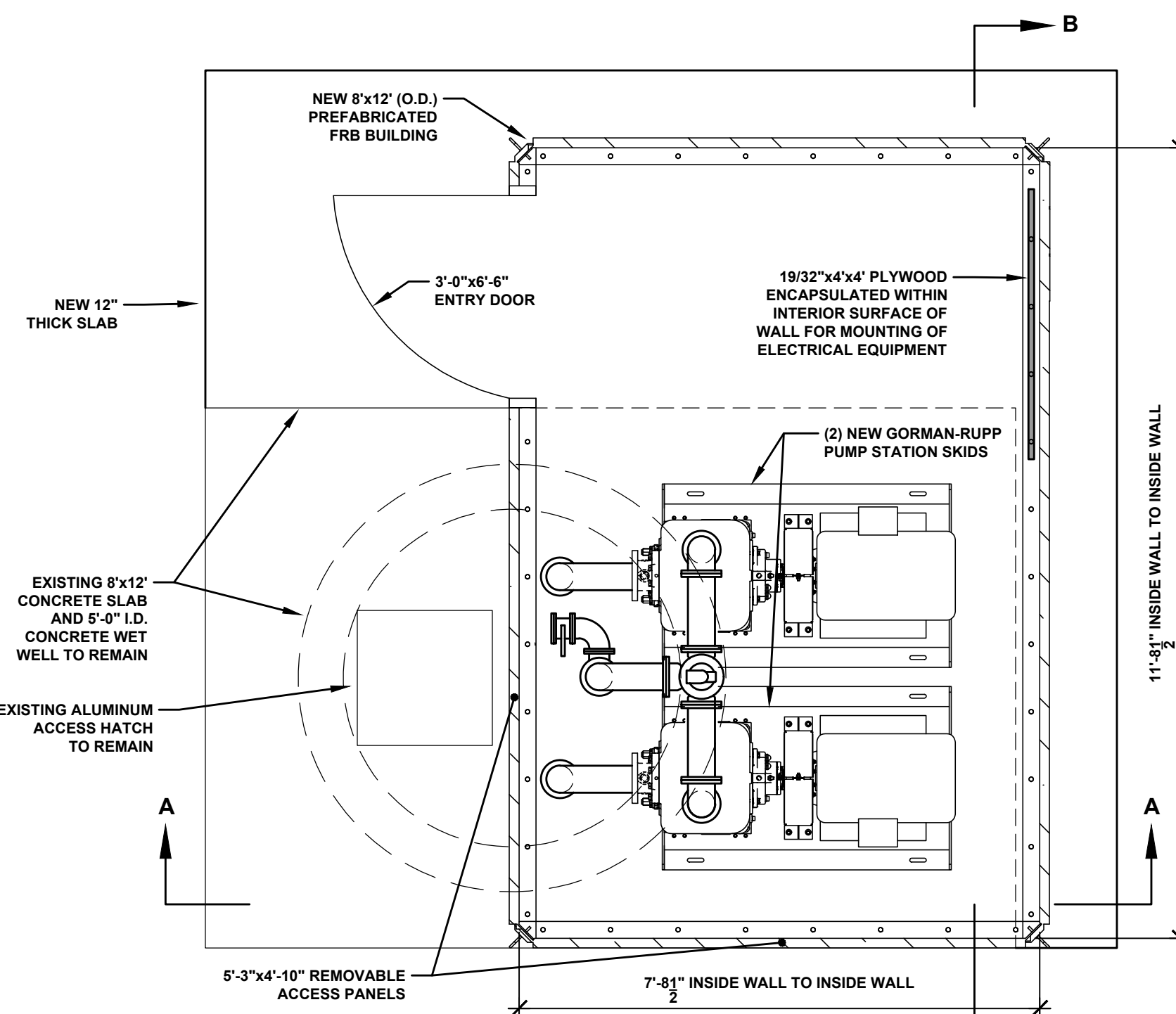
SDC NOTE 1: THESE PARAMETERS SHALL BE DETERMINED BY THE FRP BUILDING MANUFACTURER'S STRUCTURAL ENGINEER OF RECORD (SEOR).

**GENERAL NOTES:**

1. IT SHOULD BE UNDERSTOOD THAT APPROVED EQUALS WILL BE CONSIDERED ANYWHERE REFERENCE TO A PROPRIETARY PRODUCT IS MADE ON THESE DRAWINGS, EXCEPT FOR REFERENCE MADE TO GORMAN-RUPP.
2. THE DESIGN OF THE FRP BUILDING HAS BEEN DELEGATED TO THE CONTRACTOR:
  - 2.1. THE FRP BUILDING MANUFACTURER'S SEOR SHALL PROVIDE STAMPED DESIGN CALCULATIONS SHOWING THE UNFACTORED VERTICAL AND LATERAL LOADS IMPOSED BY THE FRP BUILDING ON THE TOP OF SLAB. THE FACTORED GRAVITY LOADS AT THE TOP OF SLAB LEVEL SHALL NOT EXCEED 2500 PLF IN THE DOWNWARD DIRECTION OR 650 PLF IN THE UPWARD DIRECTION.
  - 2.2. THE FRP BUILDING MANUFACTURER'S SEOR SHALL PROVIDE STAMPED DESIGN CALCULATIONS AND DETAILS FOR THE ANCHORING SYSTEM TO BE UTILIZED TO ANCHOR THE FRP BUILDING TO THE FOUNDATIONS. DESIGN PARAMETERS (IE. EDGE DISTANCES, 28-DAY CONCRETE STRENGTH, ETC.) REQUIRED FOR THIS CALCULATION CAN BE FOUND WITHIN THE CONTRACT DOCUMENTS.

**FOUNDATION NOTES:**

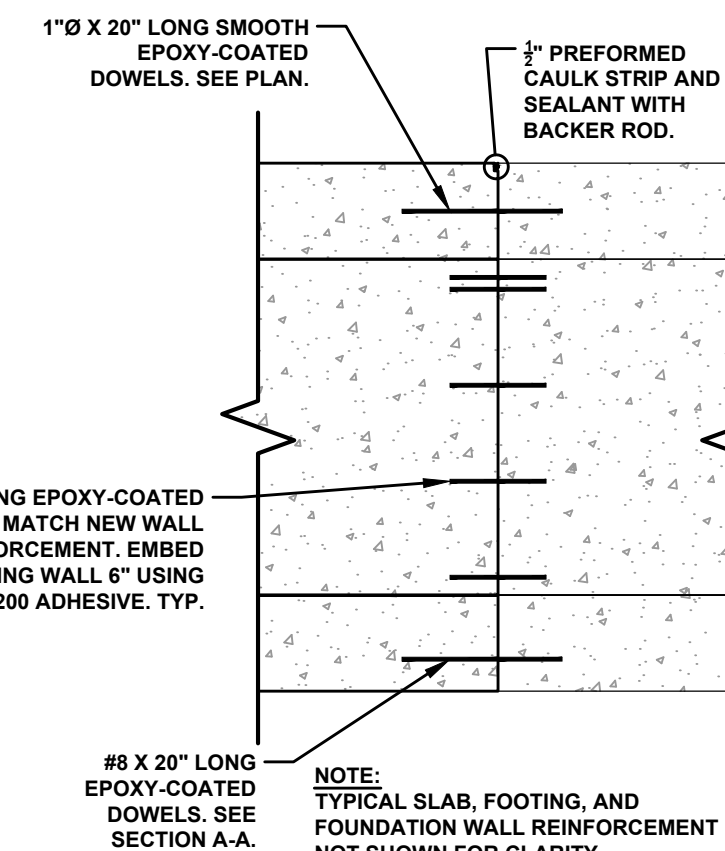
1. ALL BAR REINFORCEMENT LAP SPLICES SHALL BE 40 X BAR DIA. OR 2'-0" MINIMUM UNLESS NOTED OTHERWISE. ALL WIRE MESH SHALL HAVE LAP SPLICES OF 8" MIN.
2. REINFORCEMENT - SEE SPECIFICATIONS.
3. CONCRETE - SEE SPECIFICATIONS.
4. MAINTAIN SLAB THICKNESS AT ALL RECESSED AND SLOPING SLABS ON GRADE, UNLESS OTHERWISE NOTED.
5. COORDINATE CONDUIT SLEEVE LOCATIONS WITH OTHER PRIMES IF REQUIRED.
6. FROST DEPTH = 5'-0"
7. ASSUMED ALLOWABLE BEARING PRESSURE = 1,500 PSF



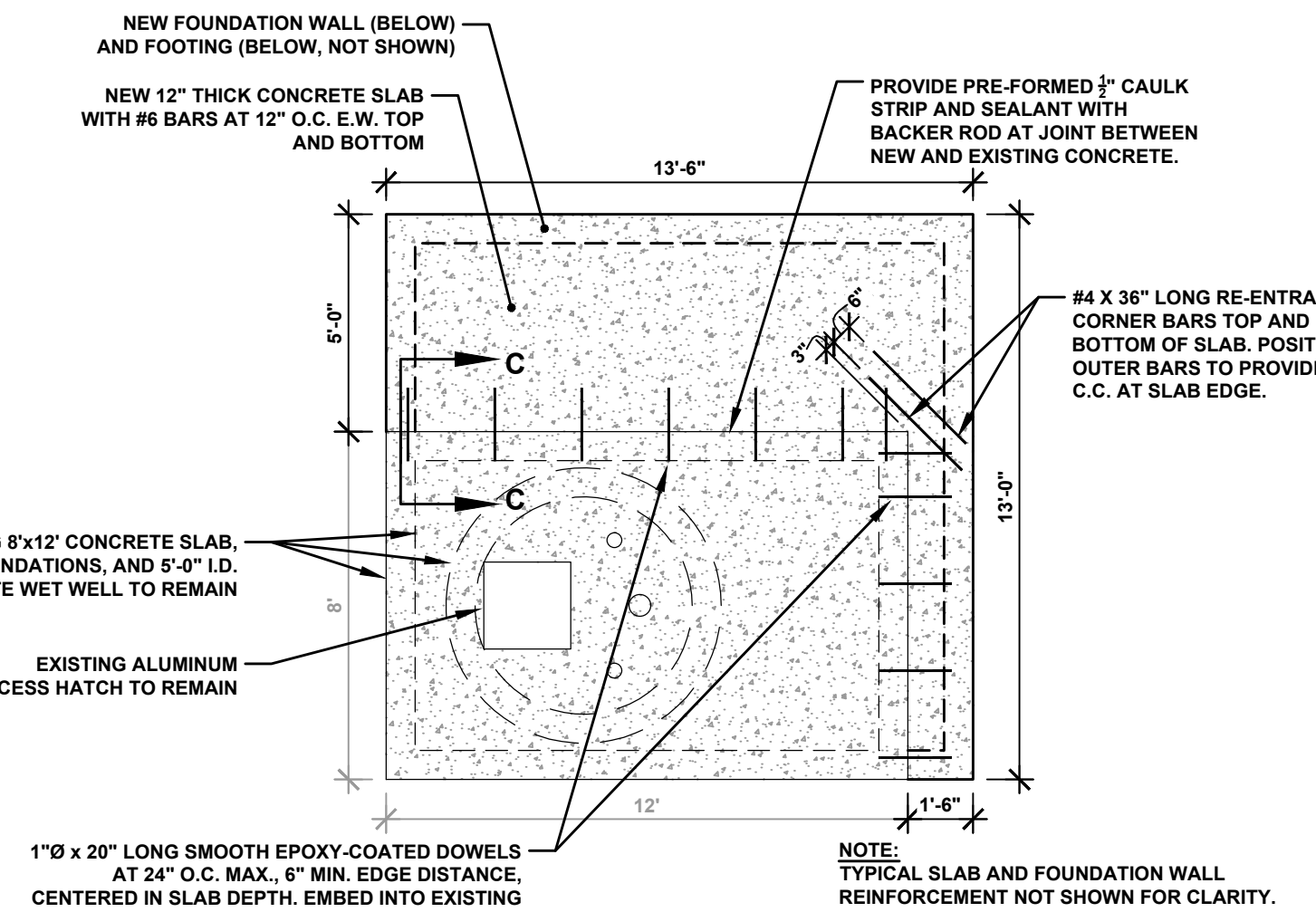
**PLAN VIEW**  
NOT TO SCALE

**NOTES:**

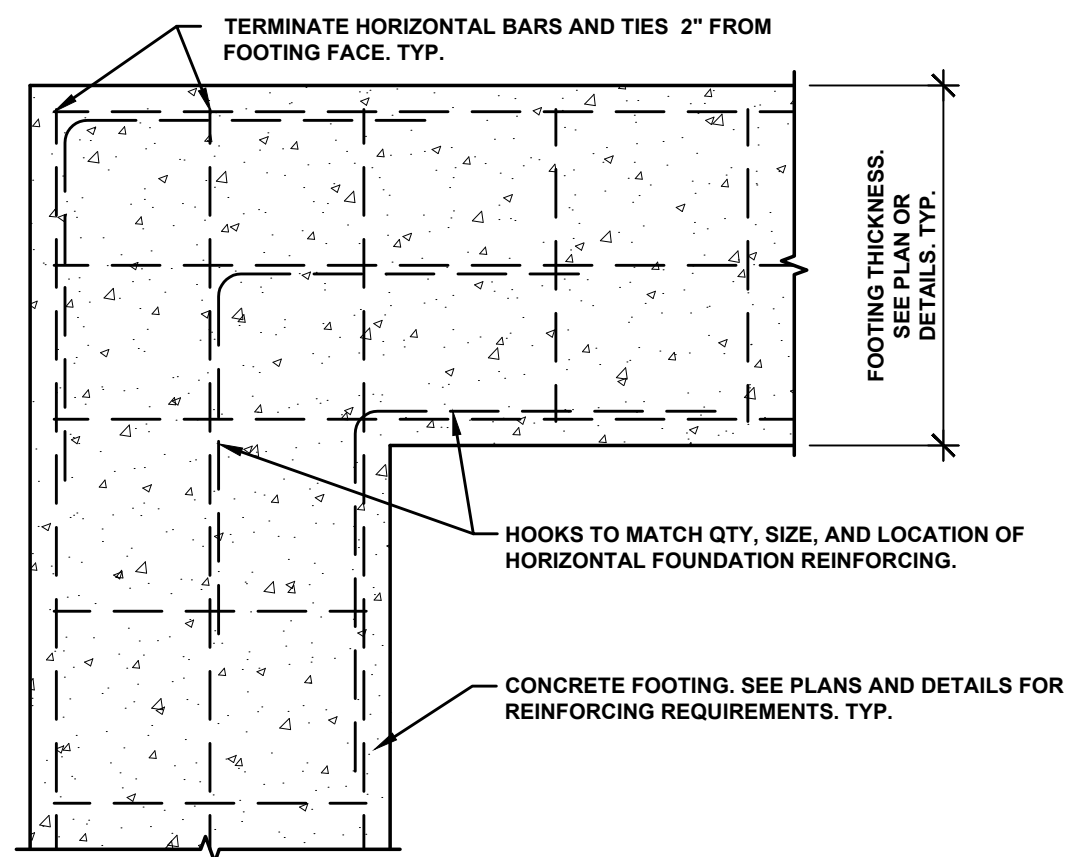
1. EXISTING GORMAN-RUPP PUMP STATION TO BE REMOVED AND TURNED OVER TO OWNER.
2. EXISTING VFD'S TO BE REMOVED AND UTILIZED FOR NEW PUMPS WITHIN NEW BUILDING ENCLOSURE.
3. EXISTING SUCTION LINES WITHIN EXISTING WET WELL TO BE RE-UTILIZED, ALONG WITH EXISTING CONCRETE PAD PENETRATIONS AND DISCHARGE FORCE MAIN.
4. CONTRACTOR SHALL PROVIDE CONNECTIONS FROM NEW PUMPS TO EXISTING SUCTION LINES AND FORCE MAIN INCLUDING ALL PIPE FITTINGS, BENDS, STANDS, ETC.
5. PIPING FROM NEW PUMPS TO EXISTING CONNECTIONS SHALL BE DUCTILE IRON PIPING AND SHALL BE PAINTED WITH PROTECTIVE COATING.
6. EXISTING SUCTION LINE AND DISCHARGE PIPING PLUG VALVES, CHECK VALVE, AIR RELEASE VALVE AND BENDS MAY BE RE-UTILIZED TO CONNECT TO NEW PUMPS IF IN WORKING ORDER. OTHERWISE, NEW PLUG VALVES SHALL BE USED. IF EXISTING COMPONENTS ARE TO BE RE-UTILIZED, THEY SHALL BE CLEANED OF ANY CORROSION, PREPARED, AND COATED WITH INTERMEDIATE AND FINISH COATINGS. REFERENCE SPEC SECTION 33 3213.01 2.06A FOR PREPARATION AND COATING INFORMATION.



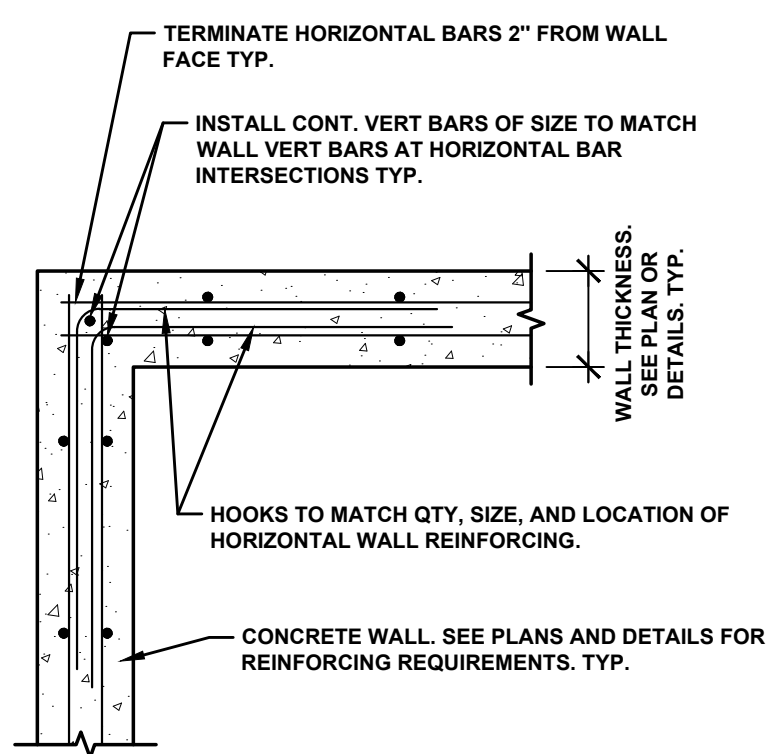
**SECTION C-C**  
NOT TO SCALE



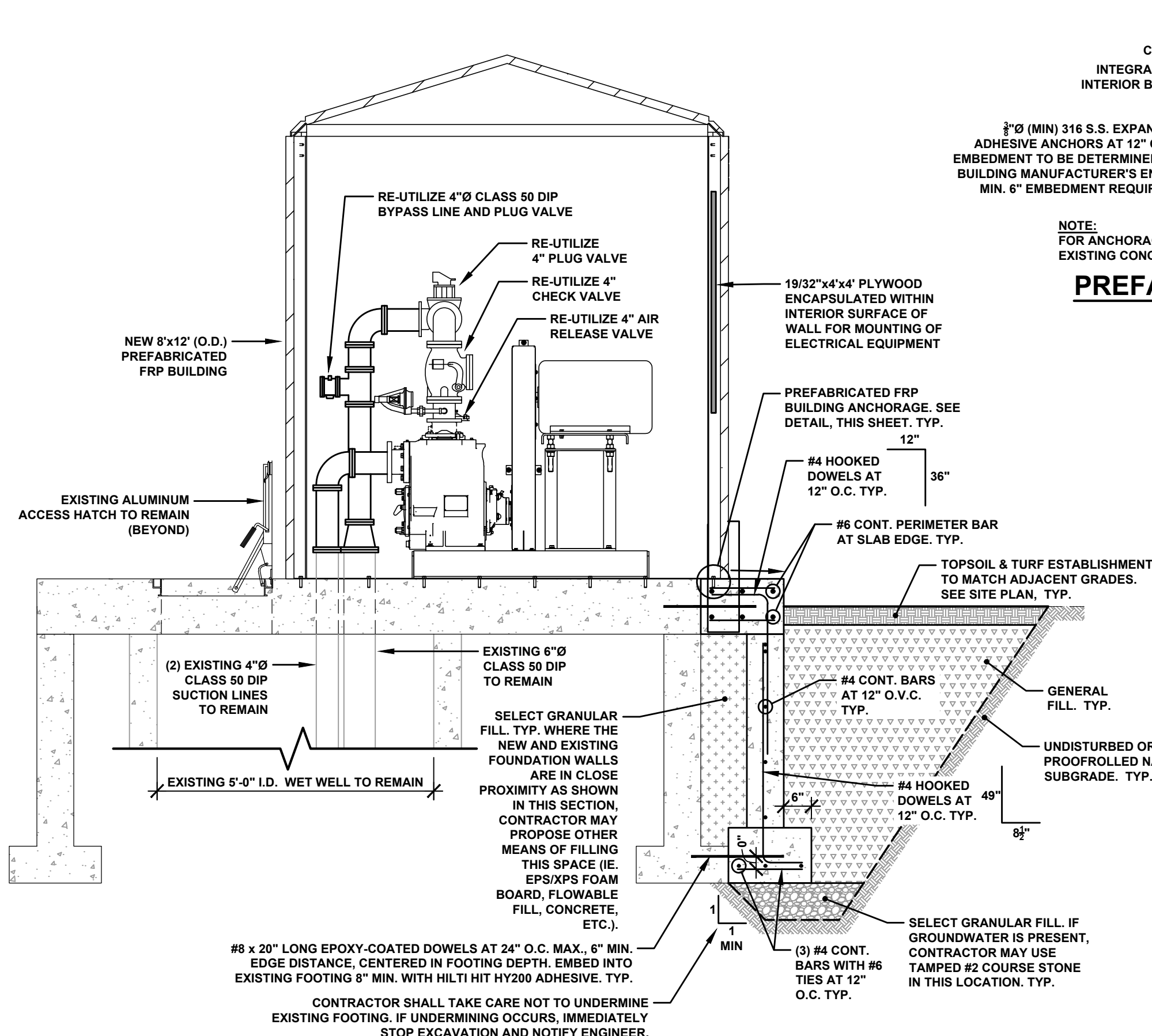
**SLAB PLAN**  
NOT TO SCALE



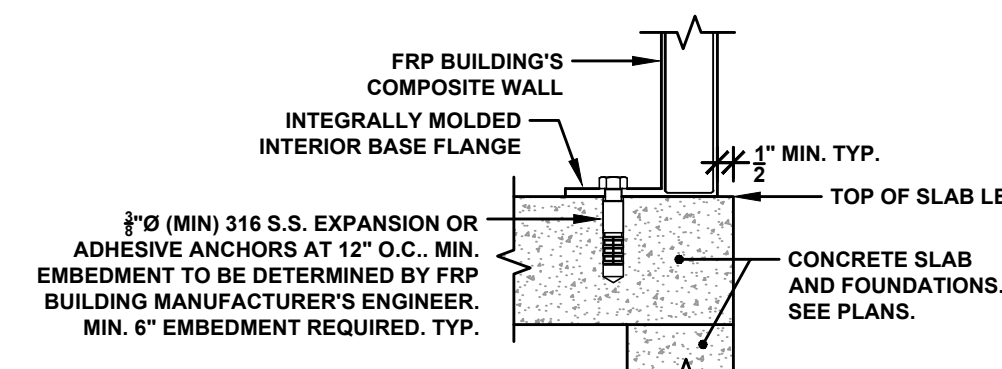
**TYPICAL CONCRETE FOOTING CORNER REINFORCING DETAIL**  
NOT TO SCALE



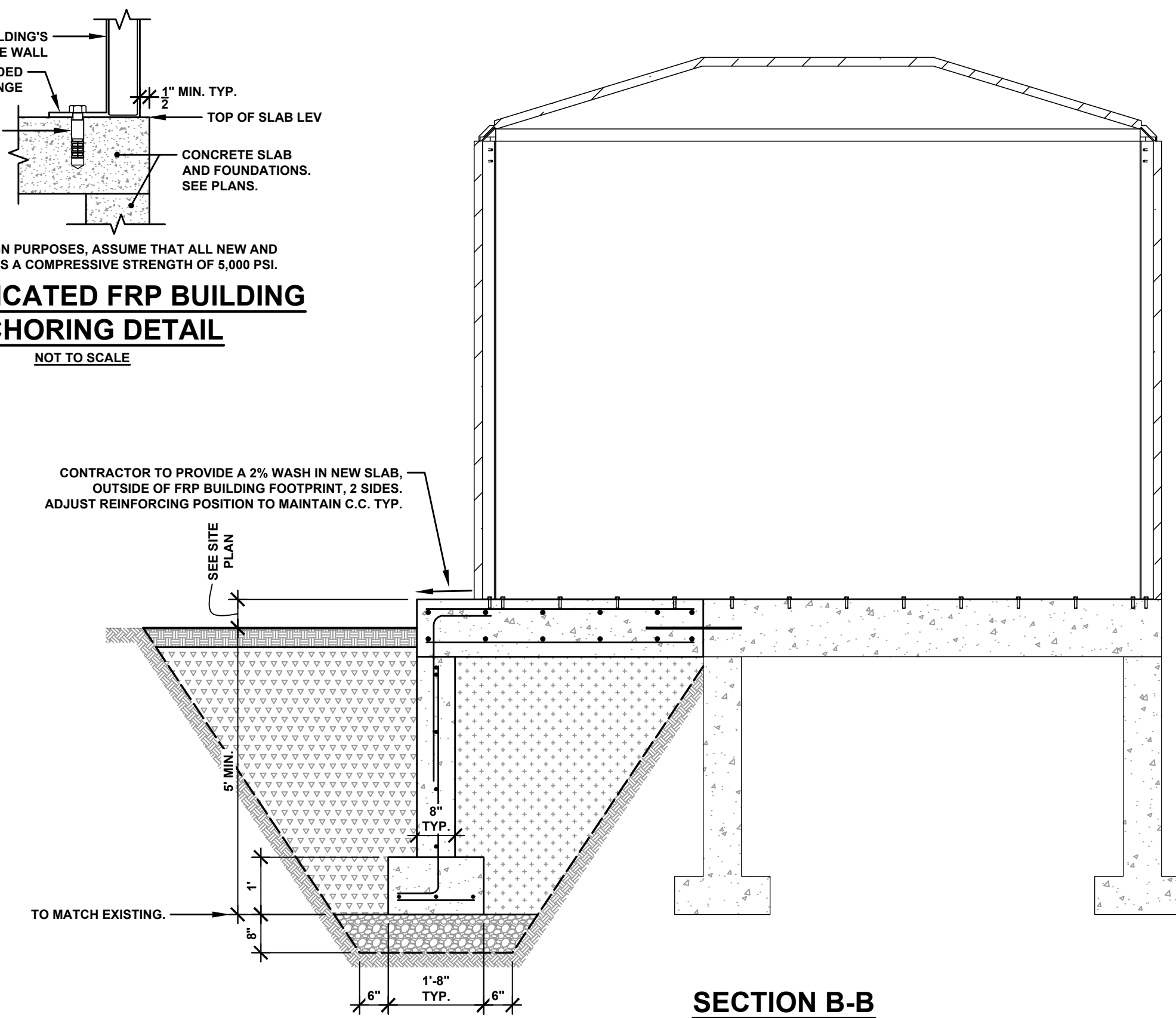
**TYPICAL CONCRETE WALL CORNER REINFORCING DETAIL**  
NOT TO SCALE



**SECTION A-A**  
NOT TO SCALE



**PREFABRICATED FRP BUILDING ANCHORING DETAIL**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

SITE AND STRUCTURAL DETAILS  
VILLAGE OF SACKETS HARBOR  
BROWN SHORES ROAD  
PUMP STATION IMPROVEMENTS PROJECT  
COUNTY OF JEFFERSON - STATE OF NEW YORK



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CHECKED BY: CGR/CDD  
DRAWN BY: JBE/CDD  
DATE: 12/28/2023  
LAST REVISION: 01/24/2024 - AD4  
SCALE: AS NOTED  
PRINTED FOR: BID

SHEET NO.  
**AD4/D-1**  
PROJECT NO.  
2020-028