

ADDENDUM

Peoria Park District
Bradley Park Equipment Service Center
1314 N. Park Road
Peoria, IL 61604
Telephone: (309) 686-3386

ADDENDUM NO. ONE

PROJECT TITLE: Bike Trail Bridge
and Approaches

ISSUANCE DATE: June 28, 2013

The proposed Contract Documents for this Work are modified as follows:

I. DRAWINGS:

- A. Replace Sheets 21-24 with the attached sheets.
- B. Add attached sheet E-01 to the end of the plan set. Work of this sheet will be Alternate #4.

II. PROJECT MANUAL/SPECIFICATIONS/GENERAL CONDITIONS/ETC.:

- A. Replace the bid form with the attached bid form, to reflect the additional alternate.
- B. Add the attached "Division 16 – Electrical" specifications. Work of these specifications will be for Alternate #4.
- C. Supplementary Instructions To Bidders, Page 8, Paragraph 12: Construction Time and Liquidated Damages Clause: The Work is tentatively scheduled to begin July 25, 2013, and be at Substantial Completion by April 15, 2014. **Construction time has been increased to 265 calendar days.** All other language in paragraph 12 remains.
- D. Requests for information:

- 1. *Does the general contractor have to perform at least 50% of the work?*
No. There is no percentage of work requirement for the general contractor.
- 2. *Is there a mesh panel detail showing the panels on the inside face of the truss or placed within the verticals?*
There is no detail showing the panels. Maurer-Stutz did not want to dictate the location or the method of connection of the panels to the truss. However, we do expect a reasonable connection that does not protrude into the path that could cause a snag point for users of the bridge.
- 3. *Are there any special inspections or testing required?*
There are no special inspections or testing required outside of the stated requirements in the Illinois Department of Transportation's Standard Specifications for Road and Bridge Construction.
- 4. *Can the slope of the concrete deck 2% to one side of the truss be achieved by the concrete deck versus the placement of the floor beam and stringers?*
Yes, the slope of the concrete deck can be achieved by the concrete deck versus the placement of the floor beam and stringers. However, the truss must be designed for the additional dead load of the concrete deck.
- 5. *For alternate 2 can the mesh panels be powder coated vs vinyl coated?*
Yes, the mesh panels can be powder coated.

III. INVITATION TO BID:

- A. **The bid opening has been changed to Tuesday, July 9, 2013 at 1:30 p.m. at the Peoria Park District Administration Building.**

Addendum No. ONE

~~Page 1 of 11~~

Addendum #1 ends with plan sheet E-01

1 of 13

Bid From: _____

PROJECT NO. 11-051
BID FOR: BIKE TRAIL BRIDGE AND APPROACHES
LOCATION: PEORIA PARK DISTRICT ROCK ISLAND
GREENWAY

BID FORM

BID TO: PEORIA PARK DISTRICT

NOTE: THIS IS A LUMP SUM CONTRACT

UNDERSIGNED:

1. Acknowledges receipt of:
 - A. Project Manual and Drawings for:

Bike Trail Bridge and Approaches – Peoria Park District Rock Island Greenway at Knoxville Ave. (SR 40),
Peoria, Illinois
 - B. Addenda: No. _____ through No. _____
2. Has examined facility and the bid documents and shall be responsible for performing work specifically required of him by all parts of bidding documents including specifications for entire project, even though such work may be included as related requirements specified in other divisions or sections.
3. And agrees to enter into and execute Contract with Owner, if awarded on basis of this bid, and to:
 - A. Furnish Bonds and Insurance required by the Bidding & Contract Documents.
 - B. Accomplish work in accord with Contract.
 - C. Complete work within specified Contract time.
4. **CONTRACT TIME:** Contractor agrees to Substantially Complete ALL WORK as required by the Contract Documents per the Supplementary General Conditions and Supplementary Instructions to Bidders.
5. **BASE BIDS:**
 - A. Base Bid:
Bidder agrees to perform all building and site work, as set forth in the Project Manual and Drawings for the sum of:

_____ Dollars (\$_____._____)
6. **ALTERNATES:**
Bidder agrees to perform all building and/or site work items as set forth below. The prices submitted may be accepted either at the time of Base Bid approval or up to no later than ninety (90) days after award of the Bid; however, if not approved at the time of the award of the Base Bid, the contract times as set forth in the Project Manual and Drawings will be adjusted to compensate for the additional time taken in award of the Alternate:

Bid From: _____

PROJECT NO. 11-051
BID FOR: BIKE TRAIL BRIDGE AND APPROACHES
LOCATION: PEORIA PARK DISTRICT ROCK ISLAND
GREENWAY

A. Alternate #1:

Provide a Zinc-rich urethane primer/fluoropolymer/fluoropolymer topcoat paint system in lieu of the urethane paint system specified for the steel pedestrian truss superstructure.

Add / Deduct (circle one)

_____ Dollars (\$_____._____)

B. Alternate #2:

Provide black vinyl-coated wire mesh panels in lieu of galvanized.

Add / Deduct (circle one)

_____ Dollars (\$_____._____)

C. Alternate #3:

Provide "vertical rib rustication" in lieu of "cut stone" formed MSE concrete wall panels.

Add / Deduct (circle one)

_____ Dollars (\$_____._____)

D. Alternate #4:

Provide electrical lighting per sheet E-01 and related details.

Add / Deduct (circle one)

_____ Dollars (\$_____._____)

7. **UNIT PRICES:**

- A. Bidders submitting prices for the Base Bid and Alternates shall submit Unit Prices for adding or deleting work. Unit Prices shall include all costs, including but not limited to preparation, labor, equipment, and materials necessary for a complete installation.

| <u>ITEM</u> | <u>UNIT</u> | <u>UNIT PRICE</u> |
|--|-------------|-------------------|
| MSE wall, complete | SFF | \$_____ |
| Aggregate base course, 6" depth CA-6 | SF | \$_____ |
| HMA Surface Course, 3", rolled | SF | \$_____ |
| Bicycle Railing, galvanized, complete | LF | \$_____ |
| South-east pedestrian truss superstructure, and pier "F", complete | LUMP | \$_____ |

Bid From: _____

PROJECT NO. 11-051
BID FOR: BIKE TRAIL BRIDGE AND APPROACHES
LOCATION: PEORIA PARK DISTRICT ROCK ISLAND
GREENWAY

8. **PROPOSED SUBSTITUTION LIST:**

Base Bid(s) and Alternates are understood to include only those product brands, items, and elements which are specified in the Bid Documents. The following is a list of substitute products, equipment or methods of construction which the Bidder proposes to furnish on this project, with difference in price being added or deducted from Base Bid(s).

Bidder understands that acceptance of any proposed substitution which has not been approved as an "equal" to the product brand, item, or element specified prior to bid opening is at Owner's option. Approval or rejection of any substitutions listed below will be indicated before executing Contract.

| <u>ITEM</u> | <u>ADD</u> | <u>DEDUCT</u> |
|-------------|------------|---------------|
| _____ | \$ _____ | \$ _____ |
| _____ | \$ _____ | \$ _____ |

9. **BIDDERS CHECKLIST:**

| | | |
|---|-----|----|
| Did you visit the site? | Yes | No |
| Is Bid Security enclosed? (If applicable) | Yes | No |
| Is Peoria Park District Certificate of Equal Employment Opportunity Compliance for Contractors and Vendors and Sexual Harassment Policy enclosed? | Yes | No |
| Is Workforce Profile enclosed? | Yes | No |
| Is List of Subcontractors enclosed? | Yes | No |
| Is Contractor Certification enclosed? | Yes | No |
| Is Ill. Drug Free Workplace Certification enclosed? | Yes | No |
| Is Certificate of Safety Compliance enclosed? | Yes | No |
| Is Substance Abuse Prevention Program Certification enclosed? | Yes | No |

10. **BIDDER INFORMATION:**

NAME OF BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Bid From: _____

PROJECT NO. 11-051
BID FOR: BIKE TRAIL BRIDGE AND APPROACHES
LOCATION: PEORIA PARK DISTRICT ROCK ISLAND
GREENWAY

TELEPHONE NO.: _____

BY: _____
(Signature of Authorized Official)

TITLE: _____

BIDDER'S SEAL

WITNESS: _____

END OF BID FORM

16010 – WORK INCLUDED

1. The Work to be performed shall include all labor, materials, equipment, transportation, construction, facilities and incidentals necessary for the proper execution and completion of all Electrical Work as shown and indicated on the Contract Drawings, and/or herein specified with the intent that installation shall be complete in every respect tested and ready for use.
2. Comply with the 2011 National Electrical Code and all applicable local, state and federal codes.

16050 – BASIC ELECTRICAL MATERIALS AND METHODS

1. In general all materials shall be:
 - a. New.
 - b. U.L. listed for the specific application as specified or as required.
 - c. Installed per manufacturer's written instructions.

16070 – ELECTRICAL CONNECTIONS FOR EQUIPMENT

1. Furnish all conduit, wiring, disconnects, starters, remote push-button stations, fuses or breakers and make final connections to all electrically powered or motorized equipment as shown on the Drawings.

16110 – RACEWAYS

1. All wiring shall be in raceways as specified herein and sized as shown on the Drawings, or, if not sized on the Drawings, in accordance with the NEC; except no conduit smaller than 3/4-inch shall be allowed.
2. Provide flexible raceway connections per NEC.
3. Provide liquid-tight raceway connections in all wet or exterior locations.

16120 – WIRE AND CABLES

1. All conductors: Copper.
2. All cable or wire shall be:
 - a. 600 volt.
 - b. Not less than #12 AWG; except #14 AWG may be used for control and low voltage wiring.
 - c. Type THHN/THWN for above grade use; type XHHW for buried use.
 - d. Color coded. Use different colors for phase and neutrals in each voltage system.

16140 – WIRE CONNECTIONS AND CONNECTING DEVICES

1. All connectors shall be of material compatible with the materials of the conductors to prevent corroding, differences in coefficients of expansion or electrolysis.
2. Acceptable Manufacturers:
 - a. Burndy.
 - b. Ideal.
 - c. O.Z.
 - d. Thomas and Betts.

- e. 3-M.

16141 – WIRE DEVICES

1. Wiring devices, including switches and receptacles, shall be U.L. listed, NEC rated.
2. All receptacles shall be of the grounded type.
3. All devices shall be 20 amp specification grade.
4. Acceptable Manufacturers:
 - a. P and S.
 - b. Hubbell.
 - c. Leviton.

4. All switches shall be quiet type.

16170 – CIRCUIT AND DISCONNECT SWITCHES

1. Switches shall be proper NEMA enclosure as required by location or noted on the Drawings.
 - a. Quick-make and quick-break type.
 - b. Heavy Duty Type.
 - c. Horsepower rated.
 - d. Capable of interrupting the locked rotor current of the motor served, which current will be assumed as being six times the rated full load current.
2. All circuit breakers shall meet the following:
 - a. Quick-make, quick-break type.
 - b. U.L. listed.
 - c. Meet NEMA standards.
 - d. Bolted type unless otherwise specified for use in common bus equipment.
3. Acceptable manufacturers:
 - a. General Electric.
 - b. Siemens.
 - c. Square D.
 - d. Westinghouse.

16190 – SUPPORTING DEVICES

1. Hangers: Per NEC. Securely support all electrical equipment.

16195 – ELECTRICAL IDENTIFICATION

1. Engraved laminated plastic labels on all equipment, switches, controls, etc.
2. Electrical wire marker tape:
 - a. Acceptable Manufacturers:

- 1) Panduit Insta-Code.
 - 2) Thomas & Betts E-Z Coder.
 - 3) 3M Scotch Code.
- b. U.L. 510.
 - c. 5.5 mil epoxy film tape.
 - d. Acrylic pressure sensitive.
 - e. High tack adhesive.
3. All wire and cable shall be color coded and shall be labeled with tags or tape at each end giving use and circuit numbers.
4. Overcurrent devices: In panels, shall clearly indicate what they feed. This may be accomplished by means of the typewritten panel schedules mounted inside of the front cover doors under plastic.

16450 – SECONDARY GROUNDING

1. This shall be a completely grounded system. All electrical equipment, conduits, supports, cabinets, and switches shall be grounded in accordance with the NEC and/or as shown on the Drawings.

16470 – PANELBOARDS

1. Panelboards shall be of the bolted circuit breaker type with copper bus and ground and neutral bars.
2. Acceptable Manufacturers:
 - a. General Electric.
 - b. Siemens.
 - c. Square D.
 - d. Westinghouse.

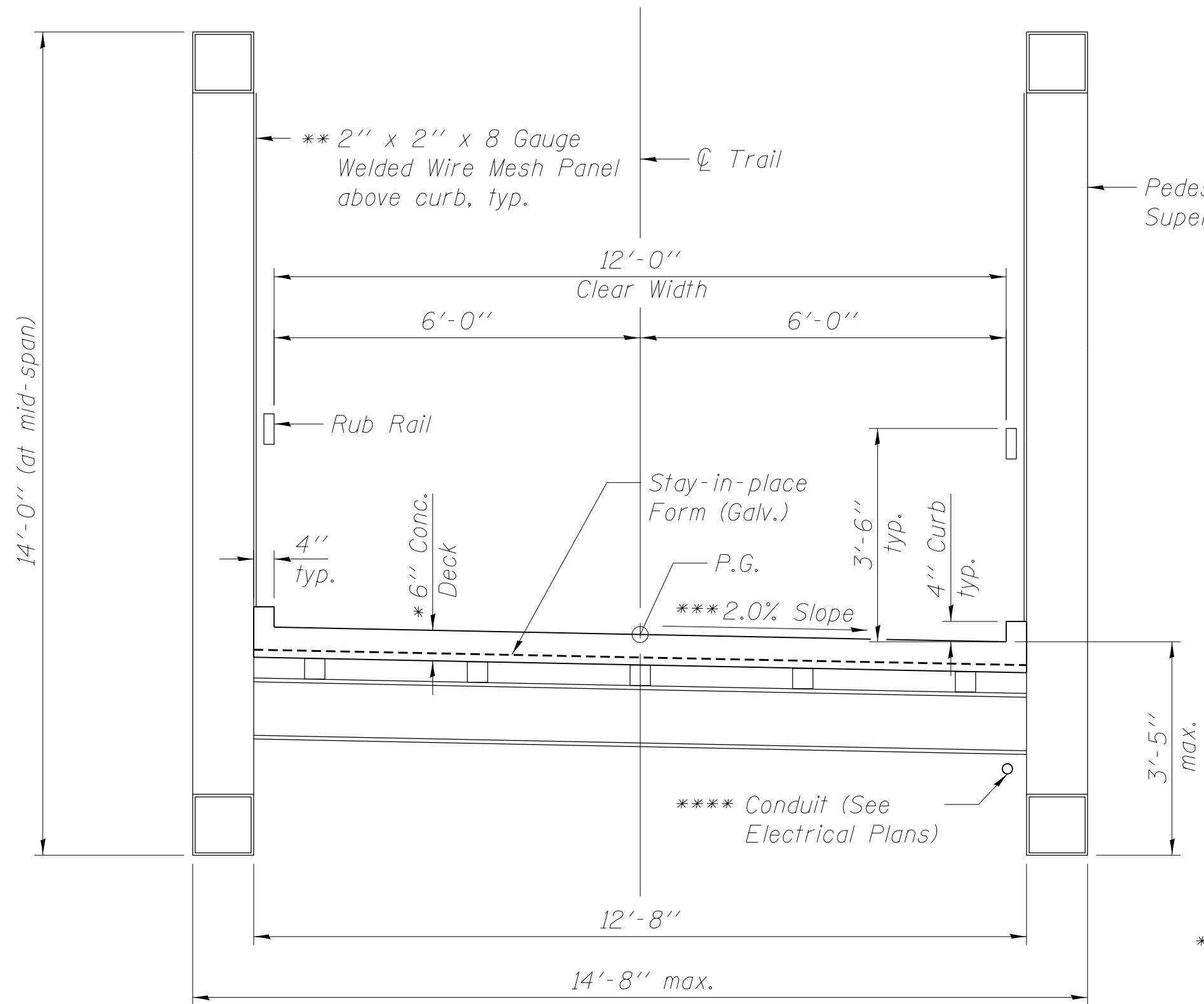
16500 – LIGHTING

1. Fixtures shall be:
 - a. Furnished complete with lamps of specified size, type, manufacturer, color, and voltage, as described in Light Fixture Schedule on Drawings.
 - b. Of the specified finished.
 - c. Be U.L. listed, NEMA labeled, in accordance with NEC.
2. See fixture schedule on Drawings for description.

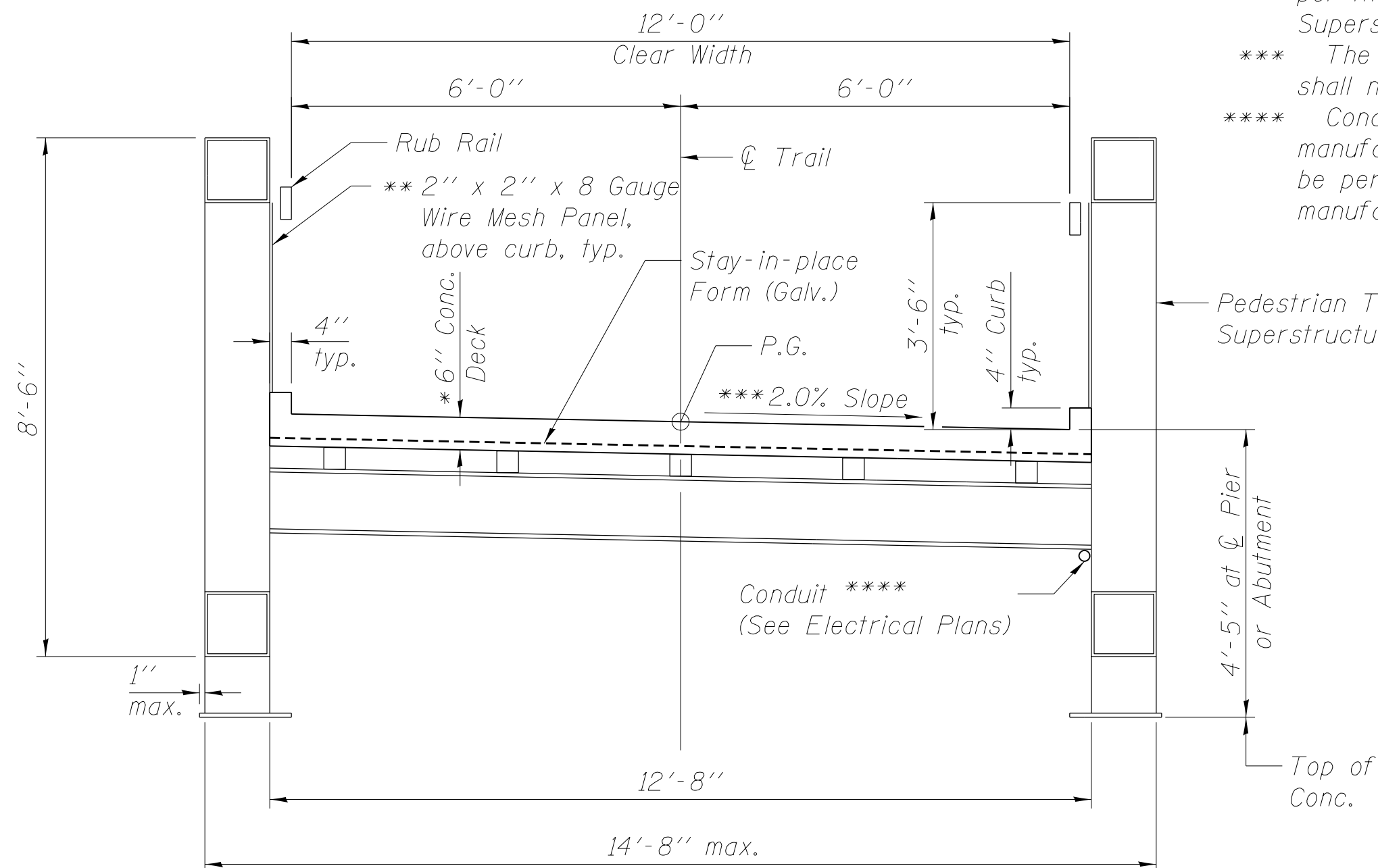
16950 – TESTING

1. Test all systems per NEC.

END OF DIVISION 16



NEAR MID-SPAN



AT SUPPORTS

TYP. TRUSS SECTION

- * Concrete deck and curbs shall be reinforced per the Truss Manufacturer's design (epoxy-coated or galvanized reinforcement). The cost of deck concrete and reinforcement shall be included in Concrete Wearing Surface, 6".
- ** Wire mesh panels shall be galvanized with a continuous galvanized frame around all edges of each panel. Details and hardware for attaching the wire mesh panels to the truss shall be per the Truss Manufacturer. Cost included with Pedestrian Truss Superstructure.
- *** The cross slope of the concrete deck surface shall not be permitted to exceed 2.0%.
- **** Conduit shall be hung from the superstructure per the manufacturer's recommendation. No field welding or drilling shall be permitted unless such is reviewed and accepted by the truss manufacturer

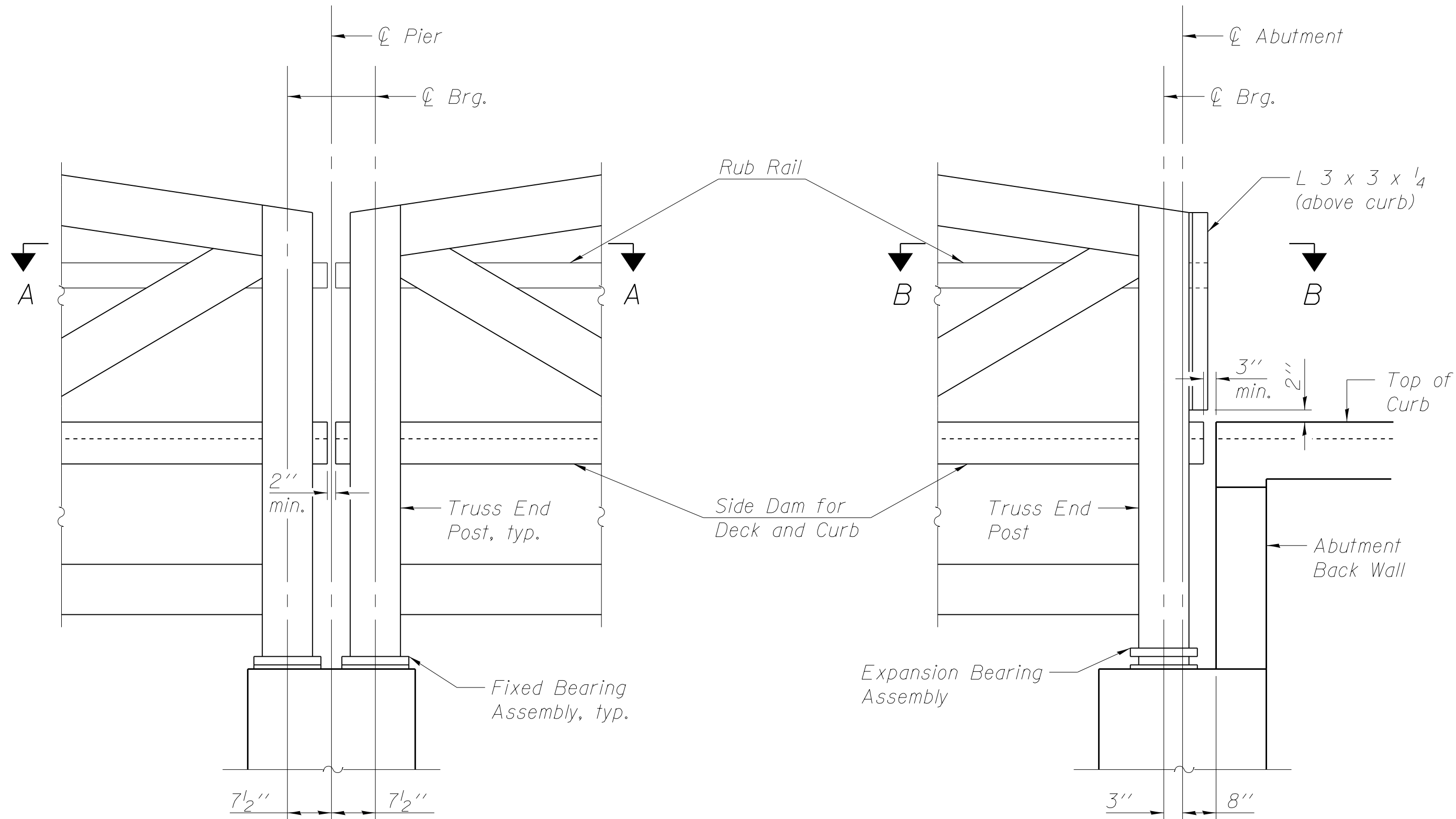
Notes:

Rubrail shall be HSS 6 x 2 x 1/4. Paint rub rail to match the truss. Connection of the rub rail to the truss shall be by the Truss Manufacturer.

Truss Manufacturer shall provide a joint detail for the gap in the deck at the pier and abutments consisting of a neoprene strip seal or embedded slip plate. This detail shall extend to the top of the curb and shall convey deck runoff across the joint to the bridge approach.

Provide 1/4" x 3/4" formed joints in the deck at ±15 foot intervals across the length of the bridge. Fill the joints with elastomeric sealant. The sealant shall be a non-staining gray non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type M or S, Grade NS, Class 25, Use T.

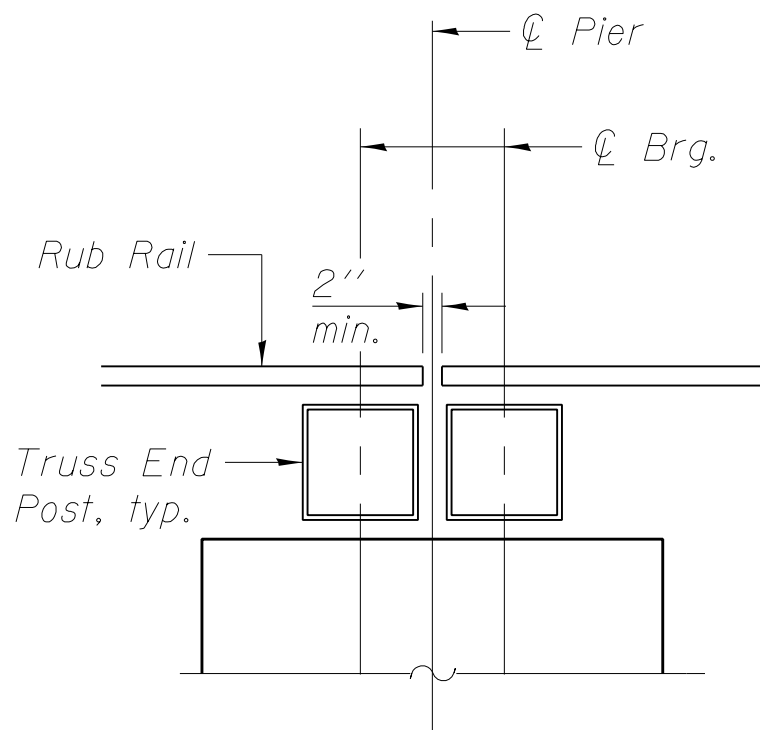
The stay-in-place form and side dam for the concrete deck shall be fabricated to follow the Profile Grade after all dead load deflections.



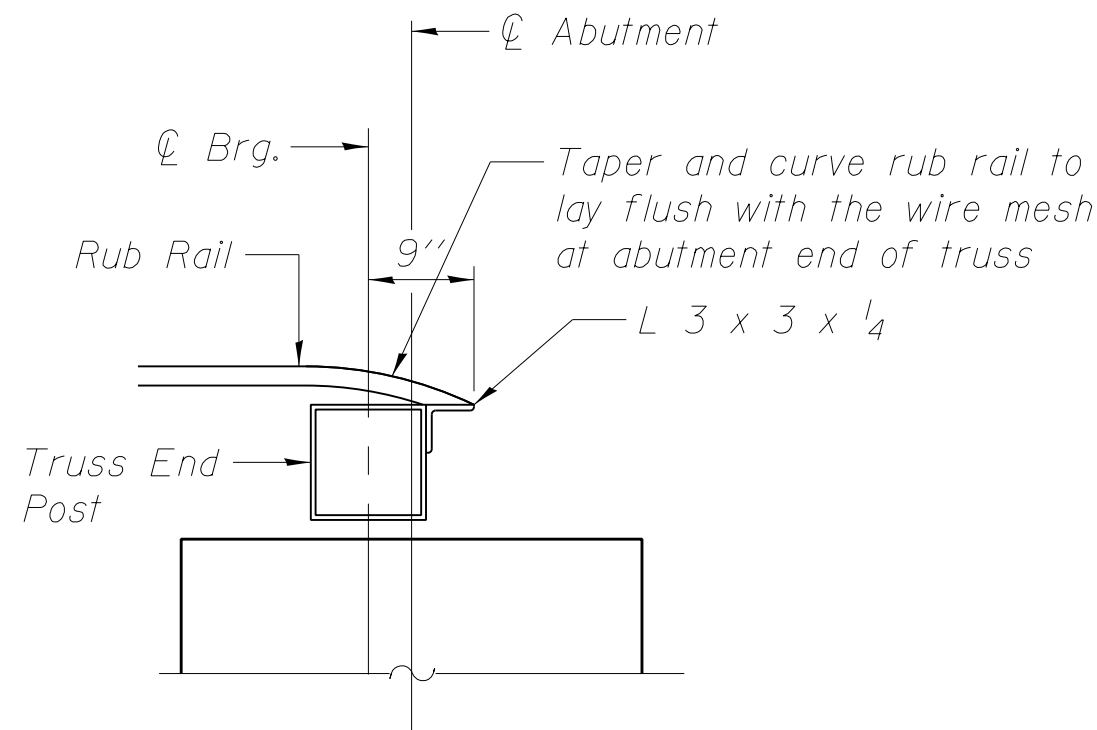
AT PIER

AT ABUTMENT

TRUSS BEARING ELEVATIONS



SECTION A-A



SECTION B-B

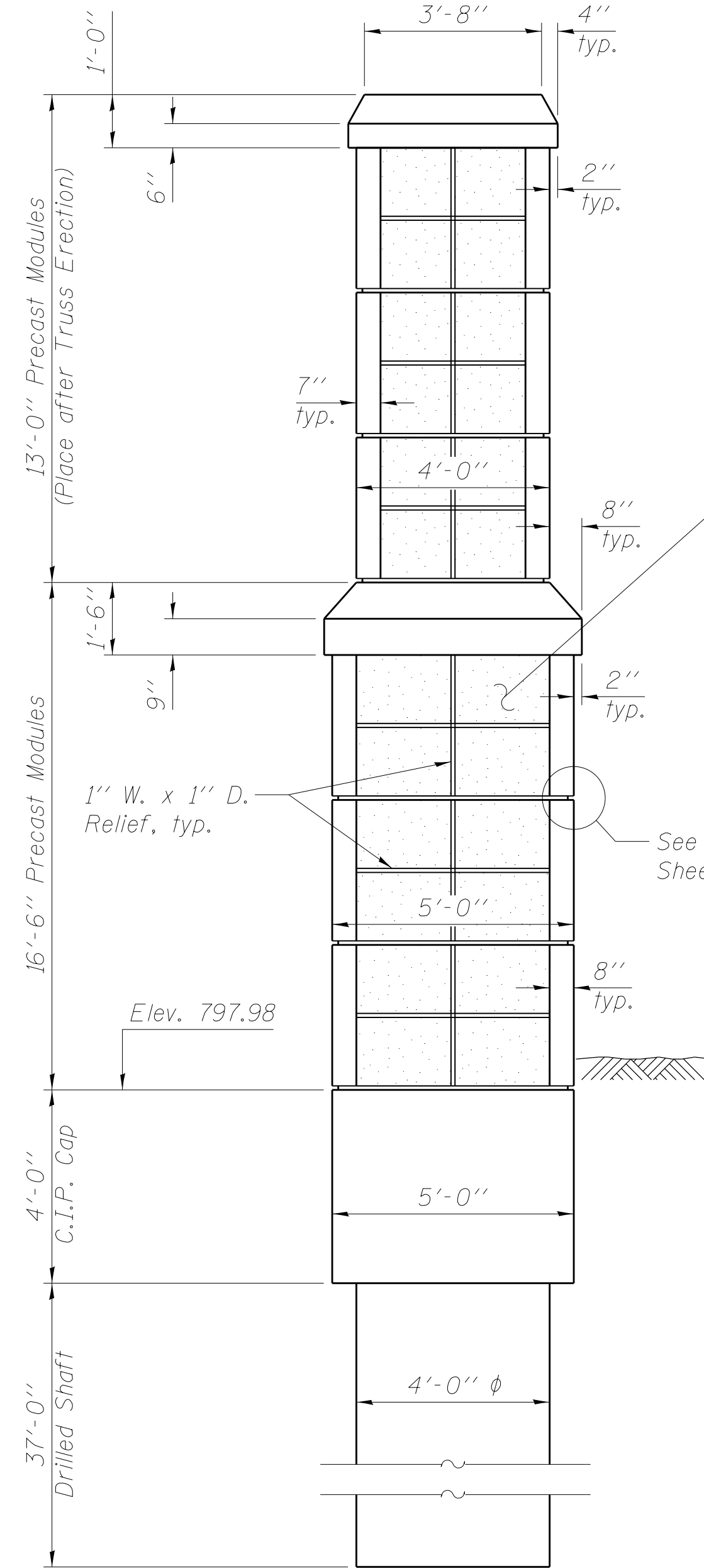
Alternate Bid Item 2:

In place of galvanized welded wire mesh panels with continuous frame, these items shall be black, vinyl-coated after being cut to size and length.

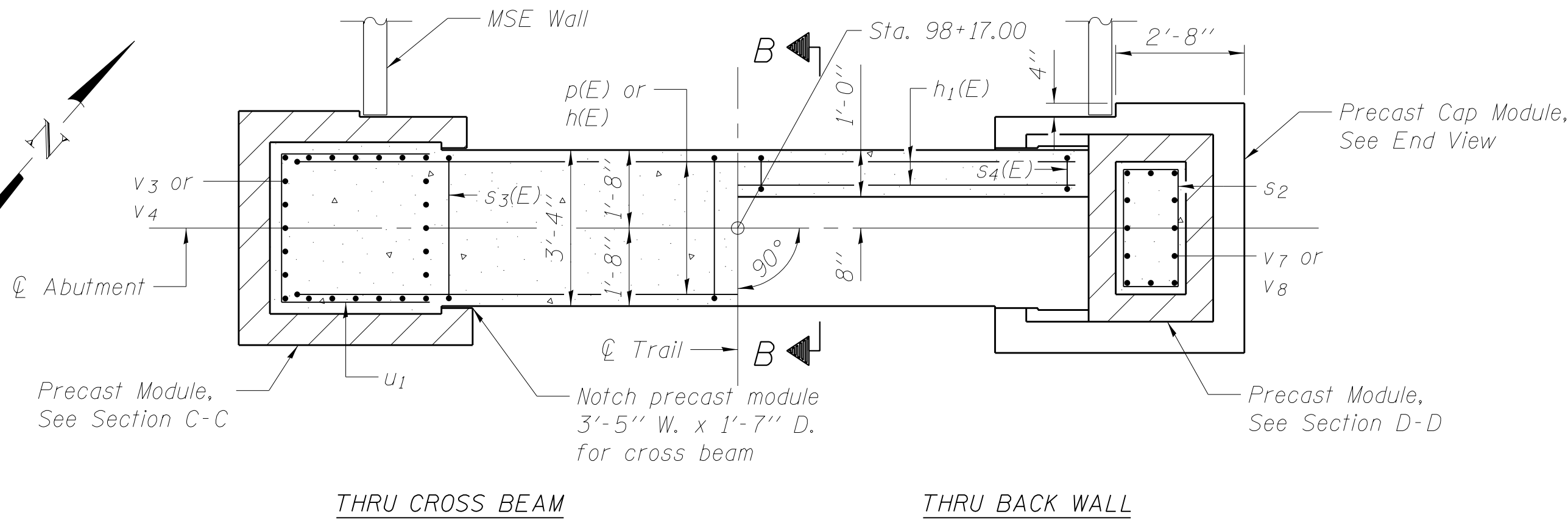
BILL OF MATERIAL

| Item | Unit | Quantity |
|---------------------------------|---------|----------|
| Pedestrian Truss Superstructure | Sq. Ft. | 5084 |
| Concrete Wearing Surface, 6" | Sq. Yd. | 564 |

Notes:
For Section D-D and bar details, see Sheet 7 of 16.
Cast in place concrete above the Drilled Shafts, including the concrete within the precast modules, shall be paid for as Concrete Structures.
Precast Modules shall be paid for as Precast Concrete Substructure. See Sheet 7 of 16 for additional notes and details.
The number, size, embedment, and location of the anchor bolts shall be as determined by the truss superstructure manufacturer's design. Cost of the anchor bolts shall be included in Pedestrian Truss Superstructure.
Embankment shall not be placed against the abutment until the cast in place concrete has attained the required flexural strength and the curing period is completed. In the absense of tests to determine the flexural strength, at least 14 days shall have elapsed after placing the concrete.
The concrete back wall shall not be poured until all the precast units have been placed. Pour the back wall against the face of the precast unit.
The conduit shall be placed in cast in place members only and shall not be drilled through precast members.



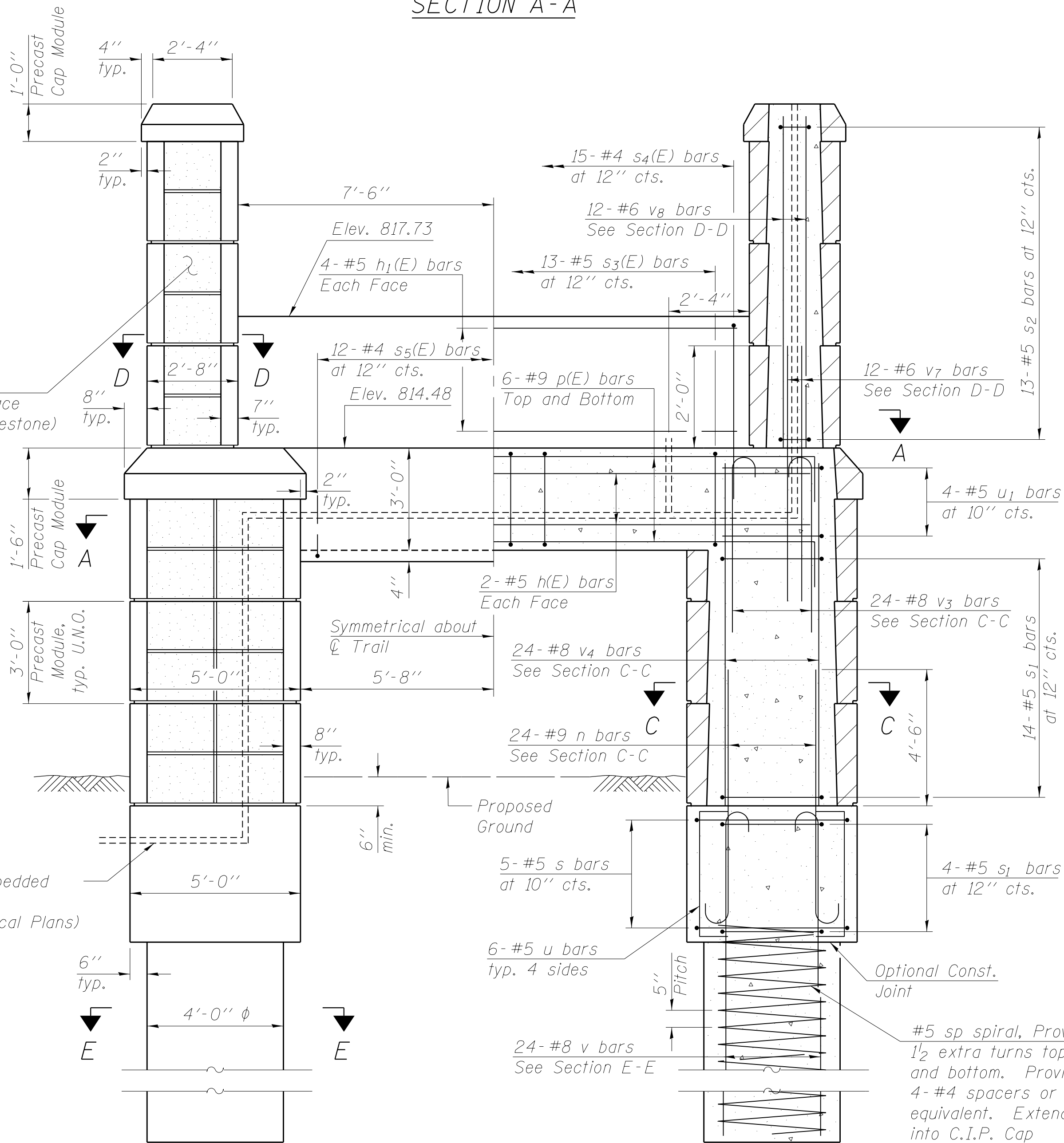
END VIEW



THRU CROSS BEAM

THRU BACK WALL

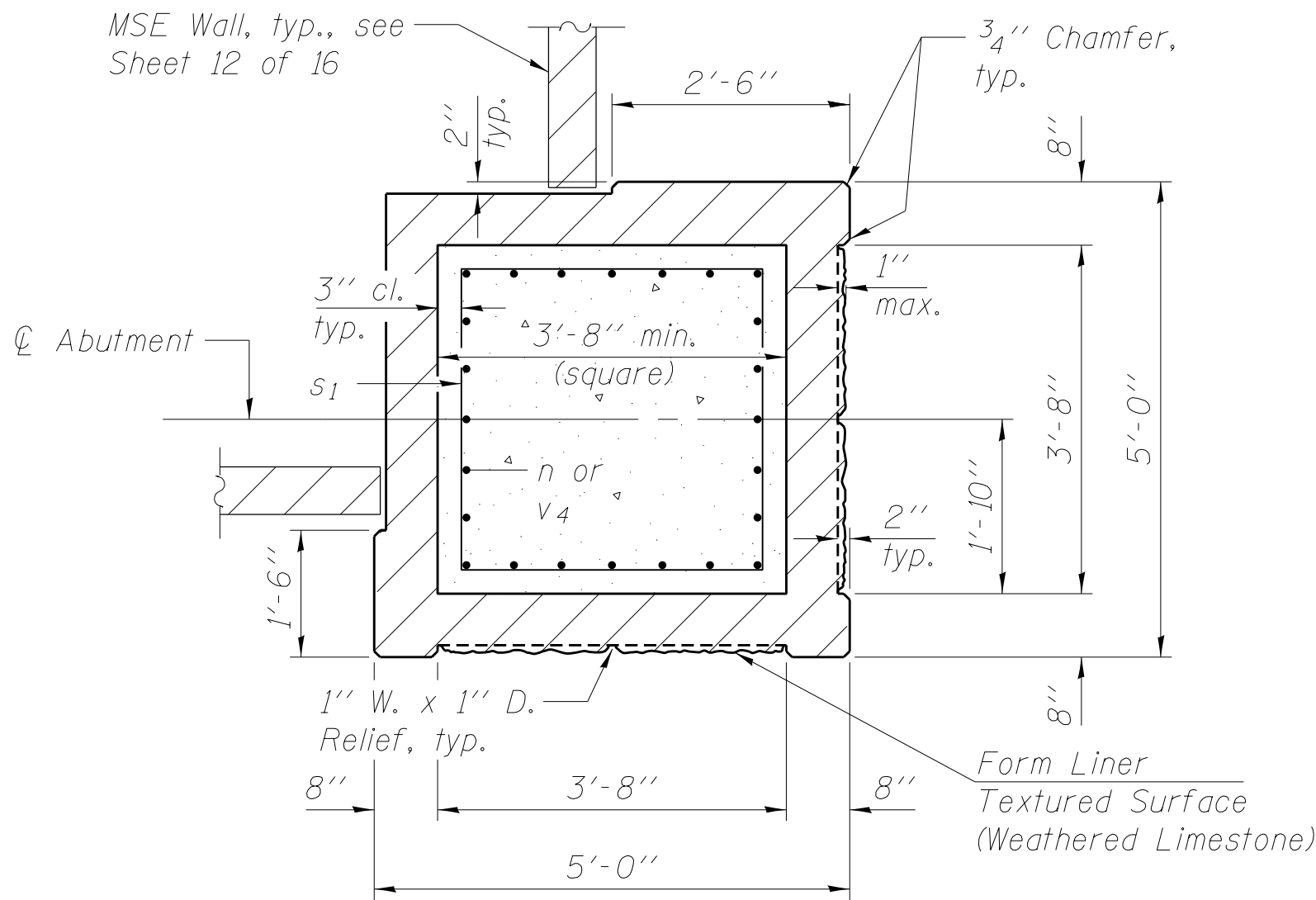
SECTION A-A



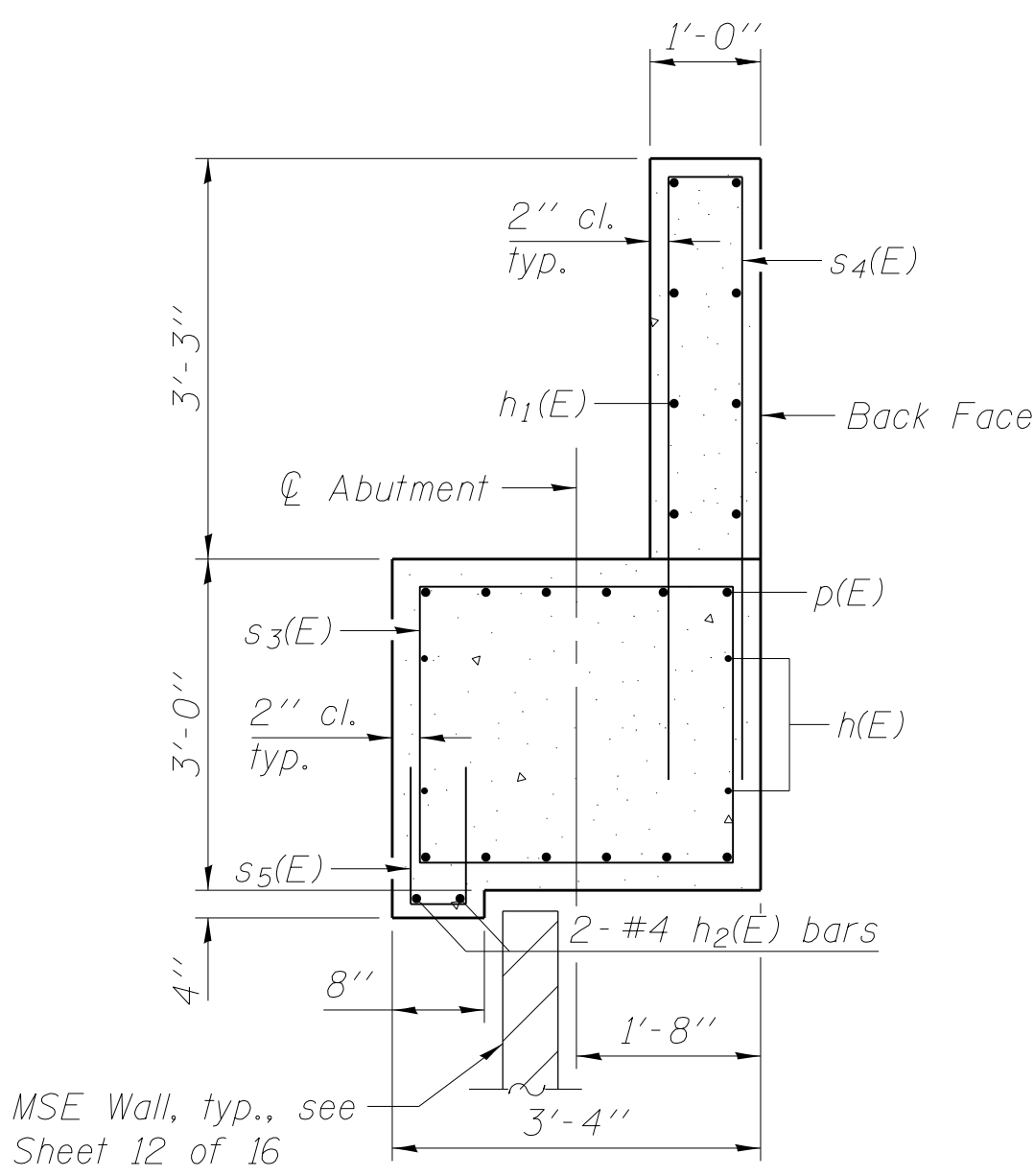
SHOWING SURFACE

SHOWING REINFORCEMENT

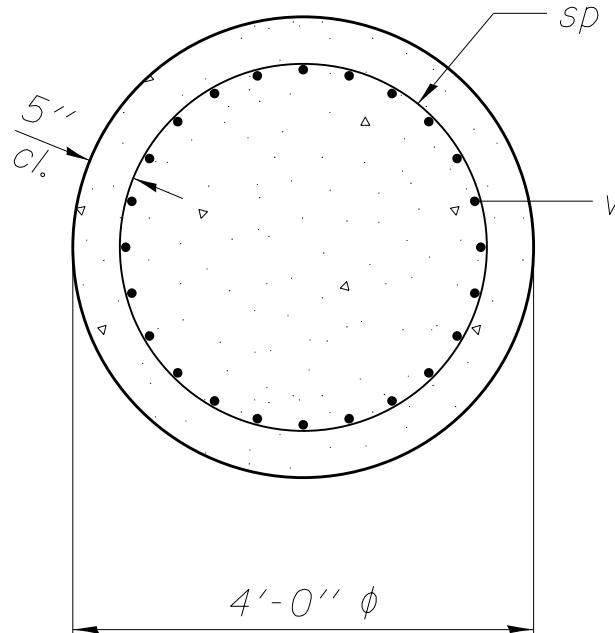
ELEVATION
(Looking NW)



SECTION C-C



SECTION B-B



SECTION E-E

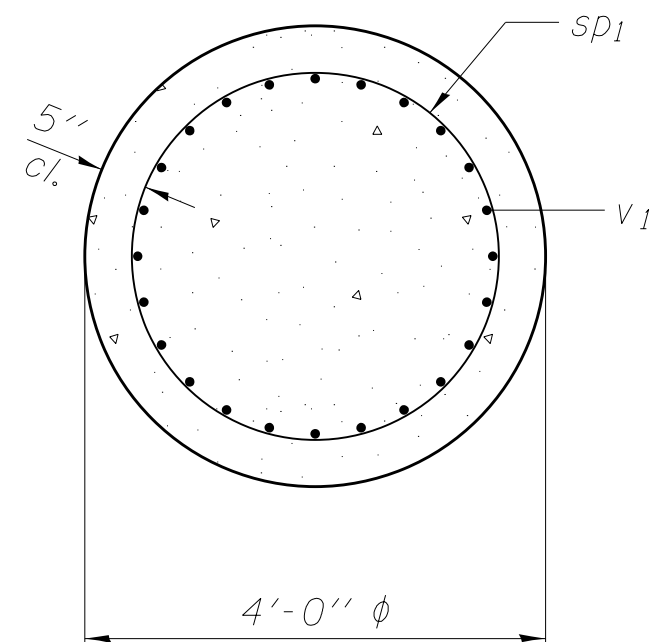
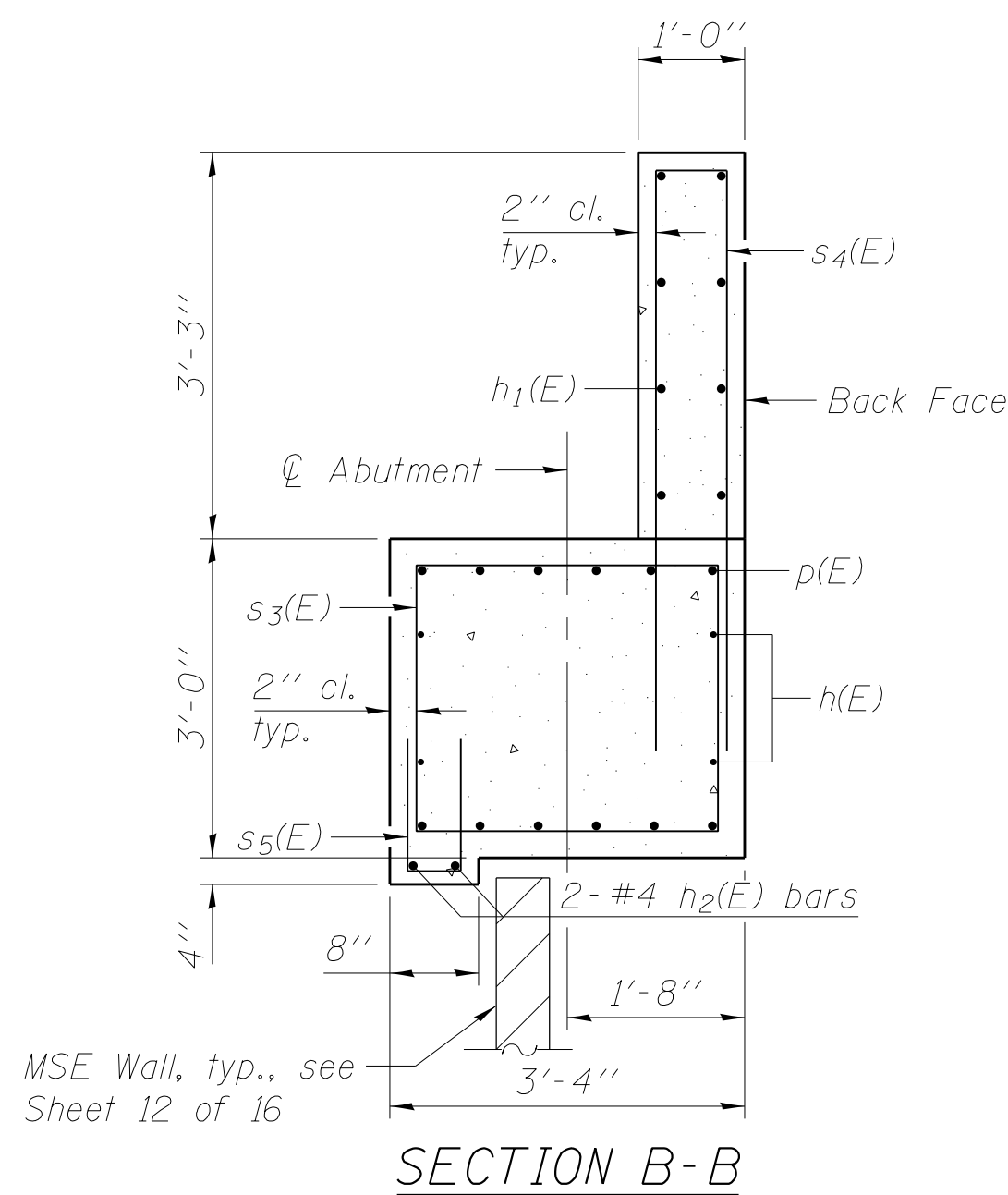
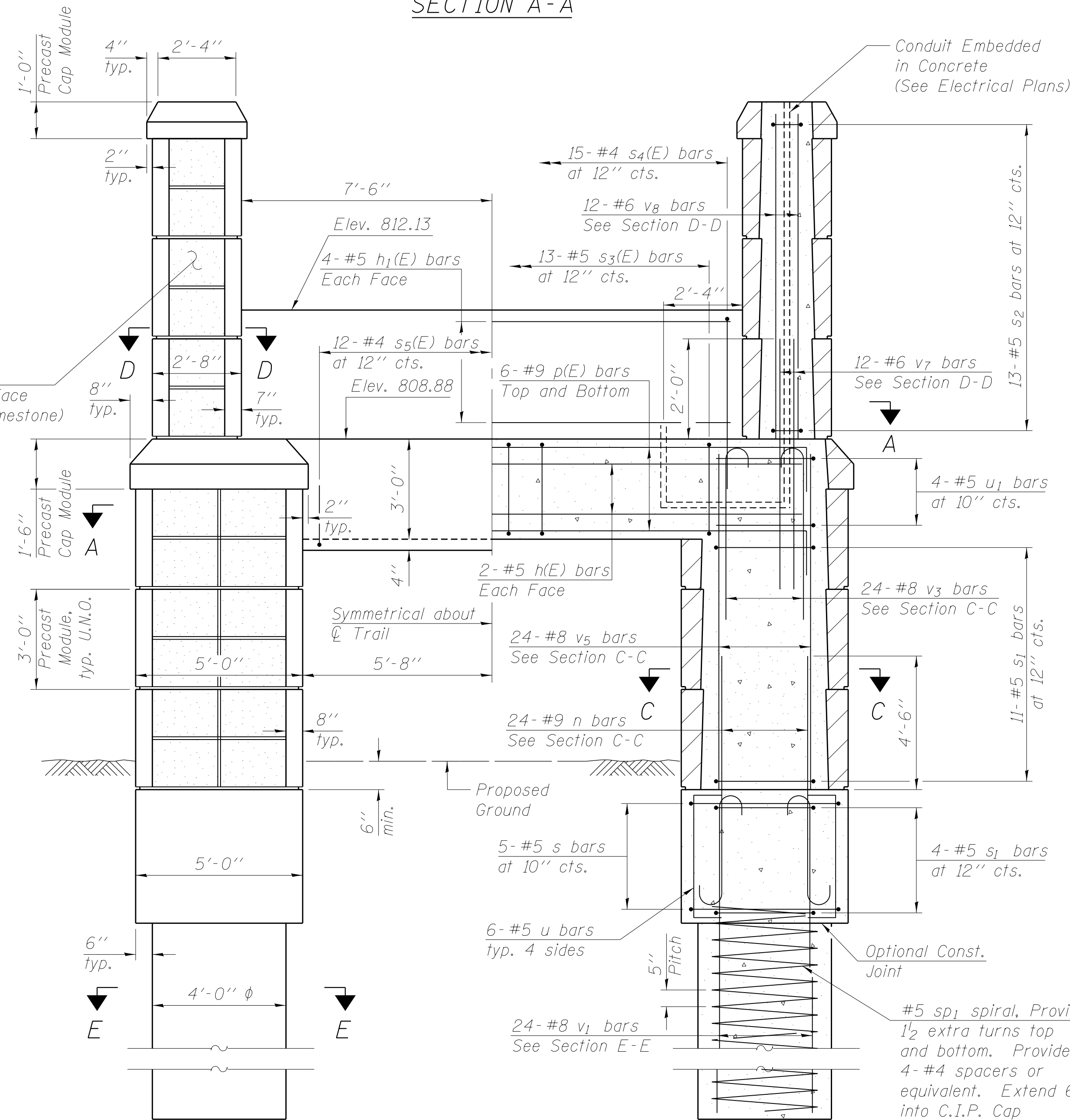
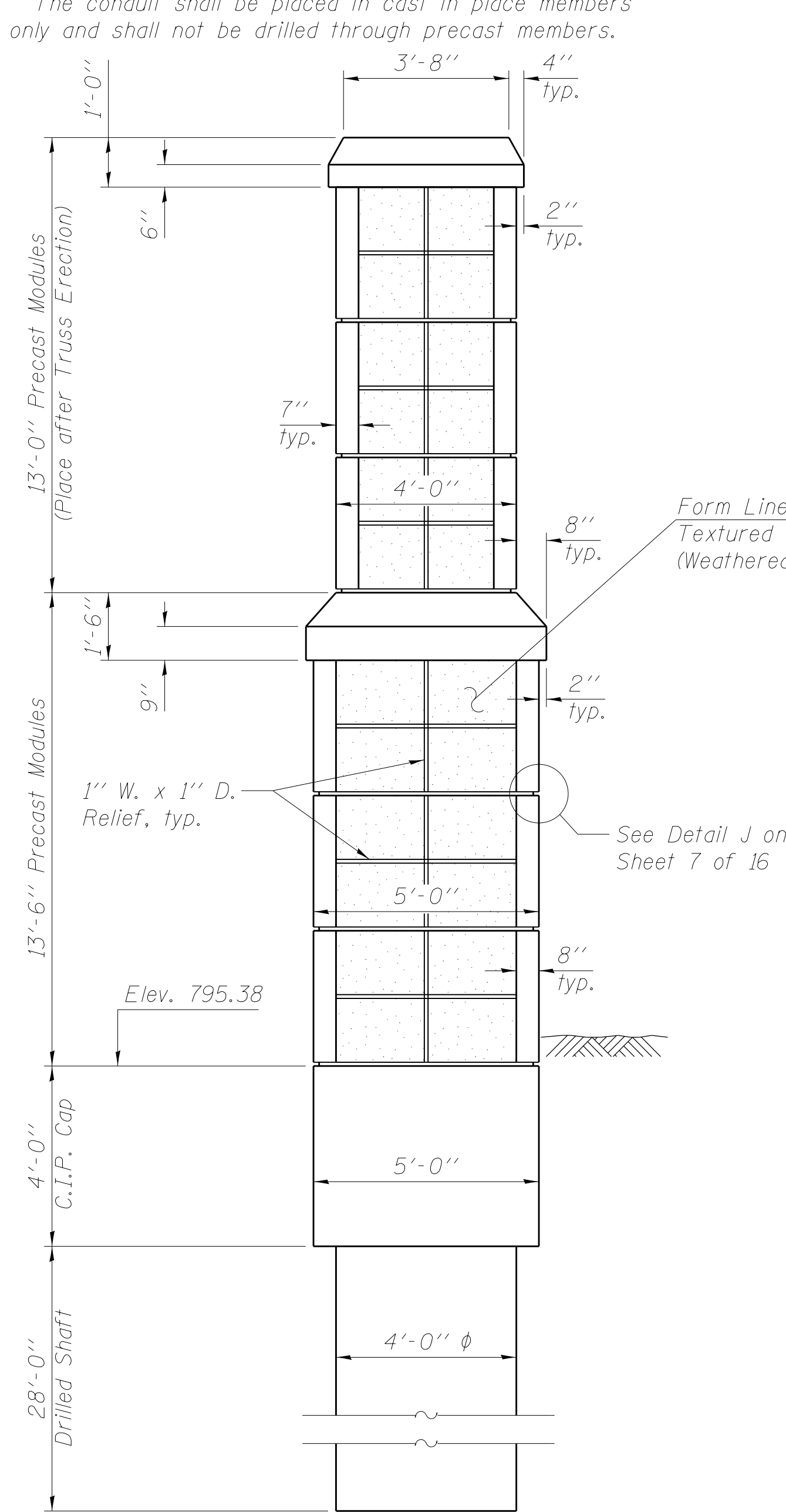
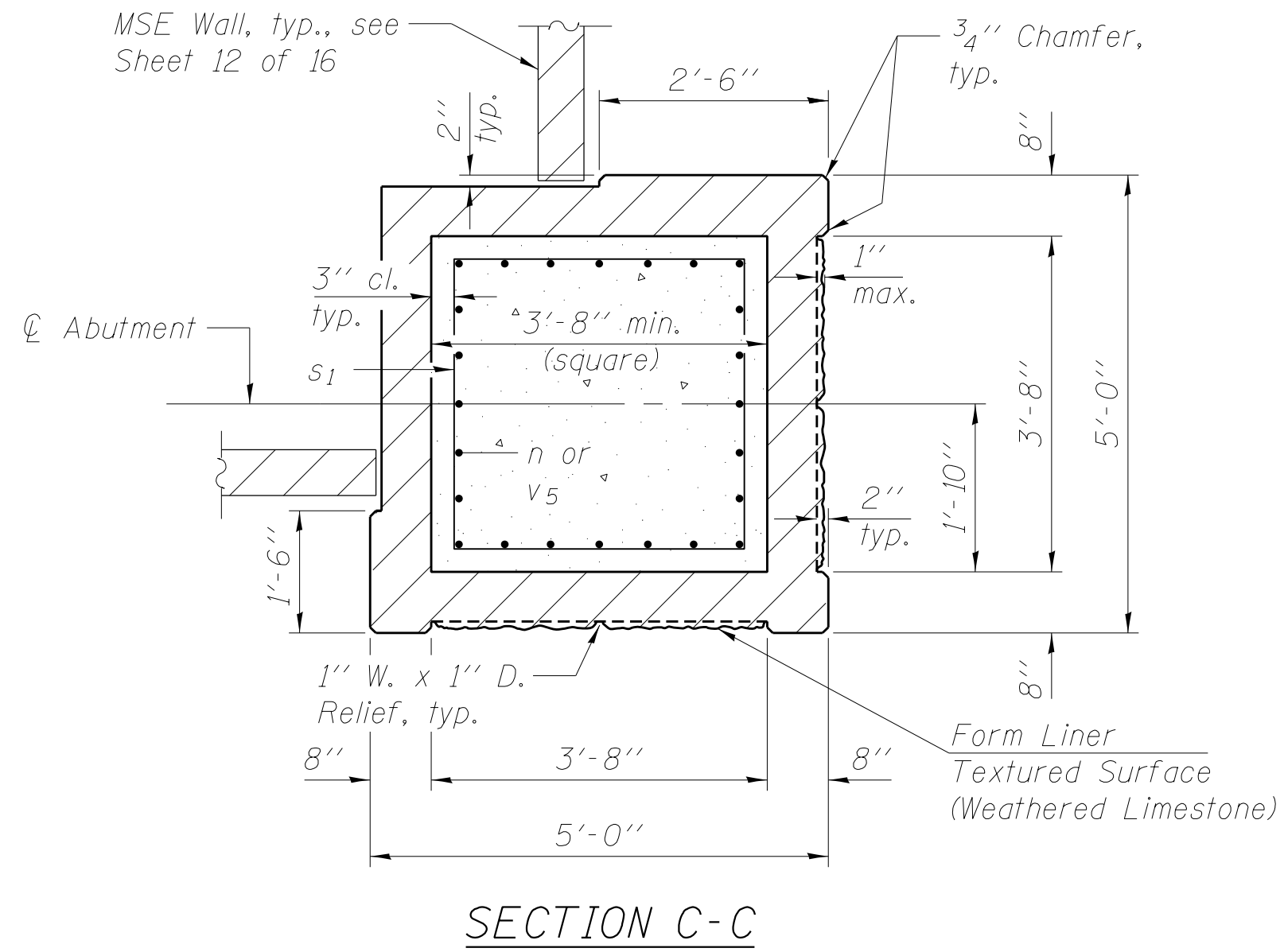
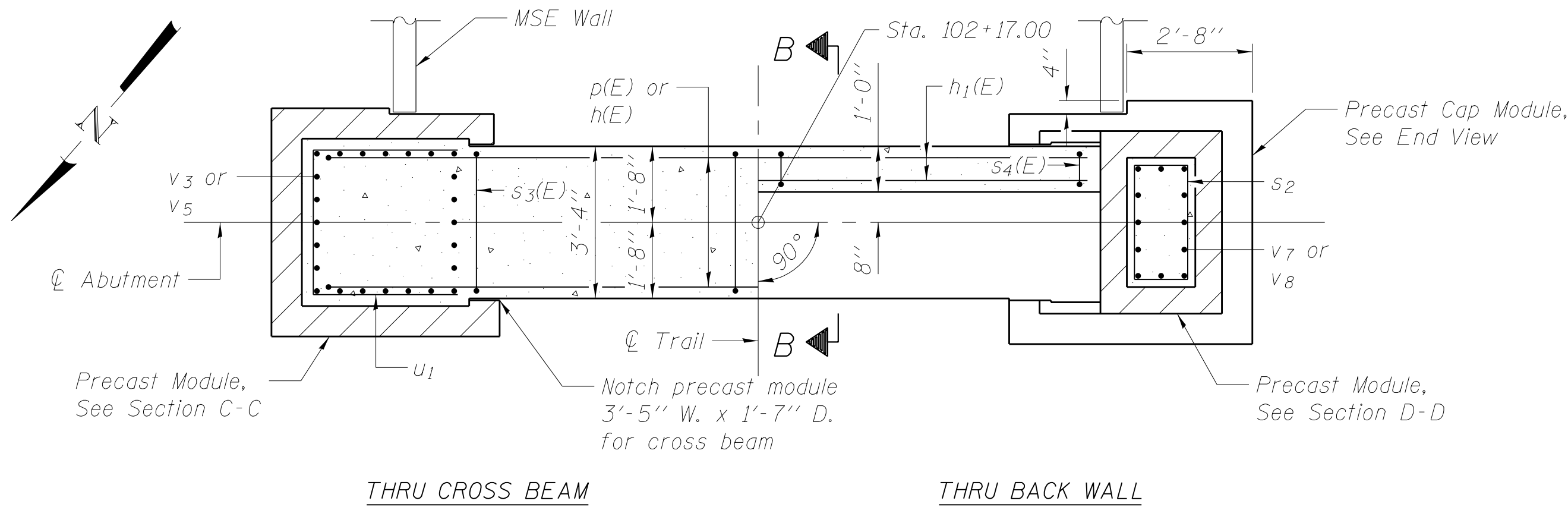
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|--------|--------------|
| h(E) | 4 | #5 | 19'-2" | — |
| h1(E) | 8 | #5 | 14'-8" | — |
| h2(E) | 2 | #4 | 11'-0" | — |
| n | 48 | #9 | 9'-6" | U |
| p(E) | 12 | #9 | 22'-4" | ┐ |
| s | 10 | #5 | 19'-7" | □ |
| s1 | 36 | #5 | 13'-7" | □ |
| s2 | 26 | #5 | 7'-7" | □ |
| s3(E) | 13 | #5 | 12'-3" | □ |
| s4(E) | 15 | #4 | 10'-4" | U |
| s5(E) | 12 | #4 | 3'-0" | U |
| sp | 2 | #5 | 37'-3" | W |
| u | 48 | #5 | 5'-4" | ┐ |
| u1 | 8 | #5 | 9'-6" | ┐ |
| v | 48 | #8 | 41'-5" | U |
| v3 | 48 | #8 | 5'-5" | U |
| v4 | 48 | #8 | 16'-2" | — |
| v7 | 24 | #6 | 3'-6" | — |
| v8 | 24 | #6 | 12'-9" | — |
| Concrete Structures | | | | Cu. Yd. 35.6 |
| Reinforcement Bars | | | | Pound 13400 |
| Reinforcement Bars, Epoxy Coated | | | | Pound 1420 |
| Drilled Shaft in Soil | | | | Cu. Yd. 34.4 |

Space cross beam reinforcement to miss anchor bolts.
Minimum lap for spirals = 2'-6"
** Length is height of spiral.



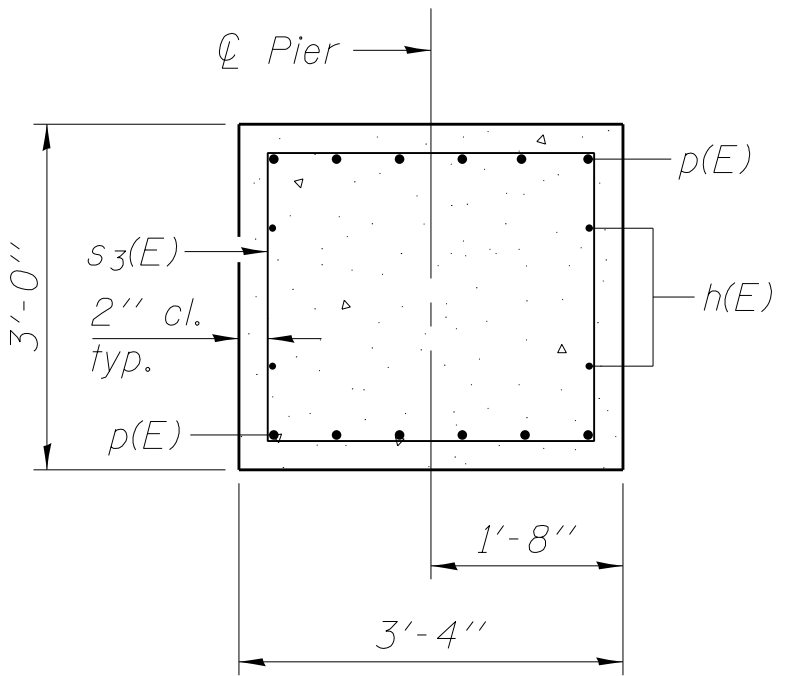
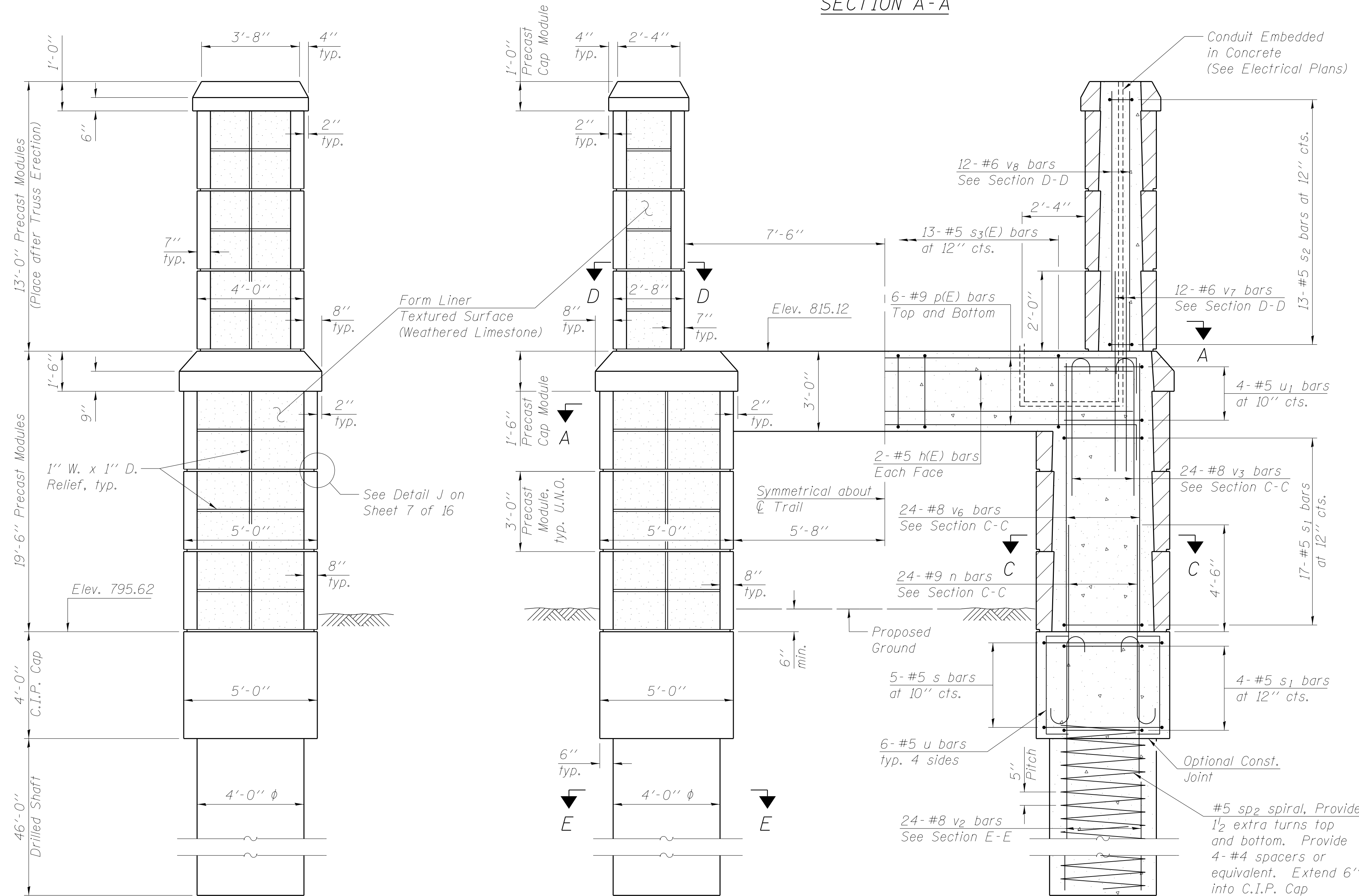
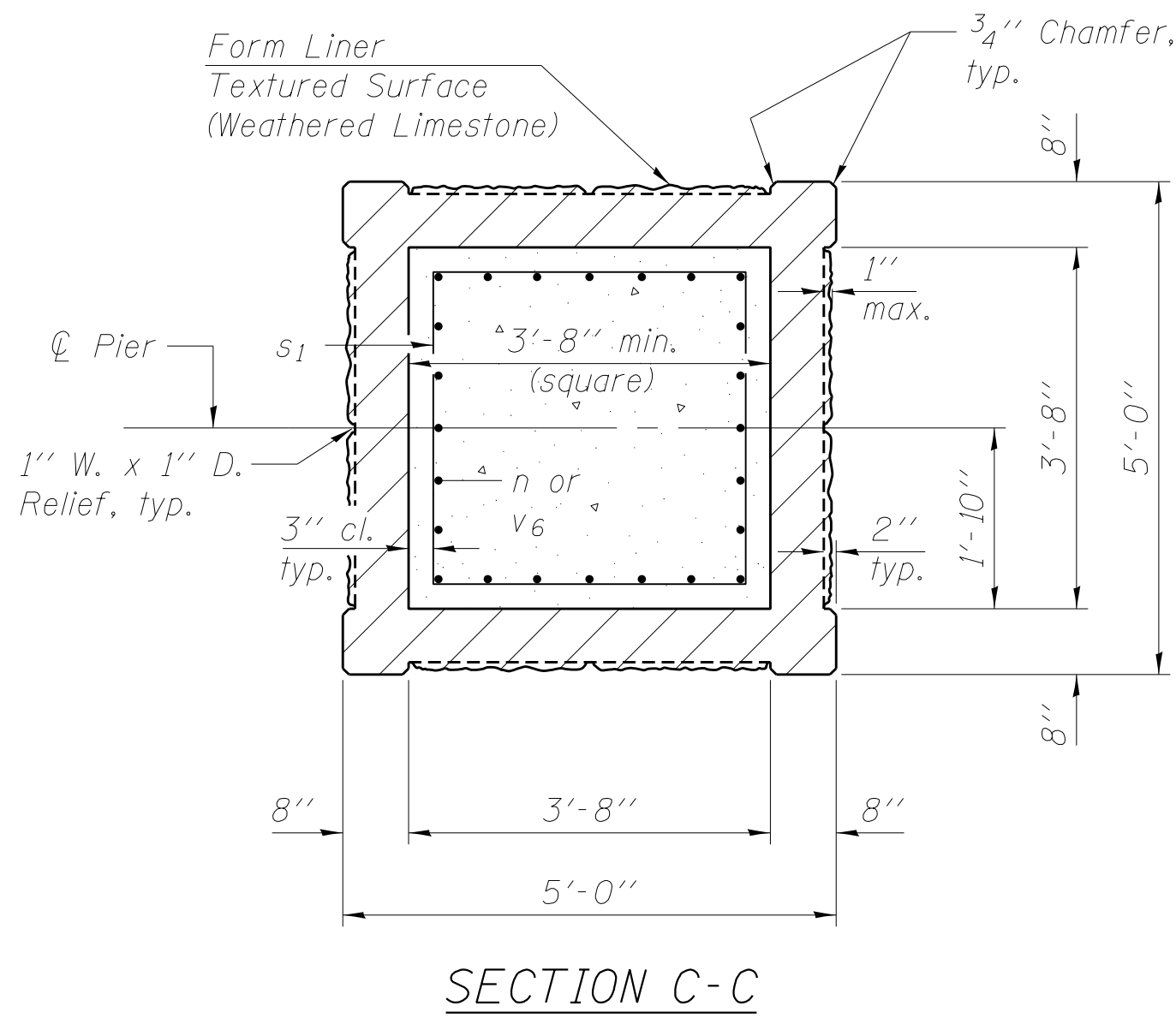
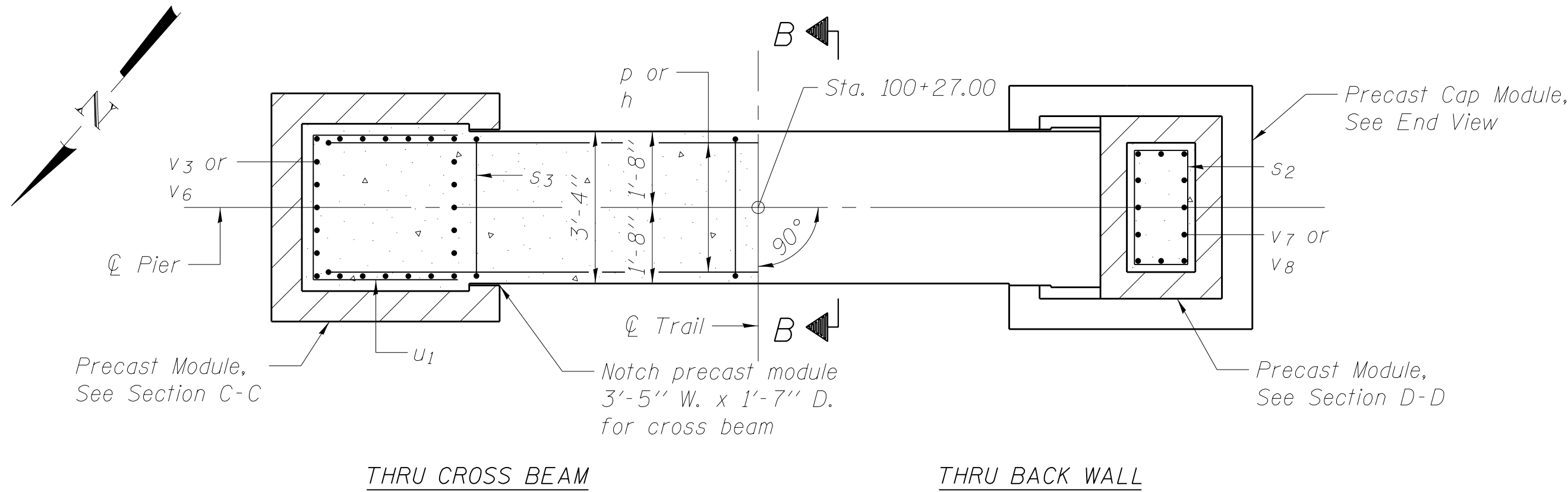
Notes:
For Section D-D and bar details, see Sheet 7 of 16.
Cast in place concrete above the Drilled Shafts, including the concrete within the precast modules, shall be paid for as Concrete Structures.
Precast Modules shall be paid for as Precast Concrete Substructure. See Sheet 7 of 16 for additional notes and details.
The number, size, embedment, and location of the anchor bolts shall be as determined by the truss superstructure manufacturer's design. Cost of the anchor bolts shall be included in Pedestrian Truss Superstructure.
Embankment shall not be placed against the abutment until the cast in place concrete has attained the required flexural strength and the curing period is completed. In the absence of tests to determine the flexural strength, at least 14 days shall have elapsed after placing the concrete.
The concrete back wall shall not be poured until all the precast units have been placed. Pour the back wall against the face of the precast unit.
The conduit shall be placed in cast in place members only and shall not be drilled through precast members.



| BILL OF MATERIAL | | | | |
|----------------------------------|-----|---------|--------|-------|
| Bar | No. | Size | Length | Shape |
| h(E) | 4 | #5 | 19'-2" | — |
| h1(E) | 8 | #5 | 14'-8" | — |
| h2(E) | 2 | #4 | 11'-0" | — |
| n | 48 | #9 | 9'-6" | ⌋ |
| p(E) | 12 | #9 | 22'-4" | ⌋ |
| s | 10 | #5 | 19'-7" | ⌋ |
| s1 | 30 | #5 | 13'-7" | ⌋ |
| s2 | 26 | #5 | 7'-7" | ⌋ |
| s3(E) | 13 | #5 | 12'-3" | ⌋ |
| s4(E) | 15 | #4 | 10'-4" | ⌋ |
| s5(E) | 12 | #4 | 3'-0" | ⌋ |
| sp1 | 2 | #5 | 28'-3" | ⌋ |
| u | 48 | #5 | 5'-4" | ⌋ |
| u1 | 8 | #5 | 9'-6" | ⌋ |
| v1 | 48 | #8 | 32'-5" | ⌋ |
| v3 | 48 | #8 | 5'-5" | ⌋ |
| v5 | 48 | #8 | 13'-2" | ⌋ |
| v7 | 24 | #6 | 3'-6" | ⌋ |
| v8 | 24 | #6 | 12'-9" | ⌋ |
| Concrete Structures | | | | |
| | | Cu. Yd. | 32.5 | |
| Reinforcement Bars | | Pound | 11320 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 1420 | |
| Drilled Shaft in Soil | | Cu. Yd. | 26.1 | |

Space cross beam reinforcement to miss anchor bolts.
Minimum lap for spirals = 2'-6"
** Length is height of spiral.

Notes:
For Section D-D and bar details, see Sheet 7 of 16.
Cast in place concrete above the Drilled Shafts, including the concrete within the precast modules, shall be paid for as Concrete Structures.
Precast Modules shall be paid for as Precast Concrete Substructure. See Sheet 7 of 16 for additional notes and details.
The number, size, embedment, and location of the anchor bolts shall be as determined by the truss superstructure manufacturer's design. Cost of the anchor bolts shall be included in Pedestrian Truss Superstructure.
The southern drilled shaft will be in close proximity (± 5 feet) to a sanitary sewer pipe encased in concrete. If this encasement is encountered, the Contractor shall stop drilling on this shaft and inform the Engineer. The auger may be battered up to $\frac{1}{2}$ " to the east in 1'-0" to avoid this potential conflict.
The conduit shall be placed in cast in place members only and shall not be drilled through precast members.

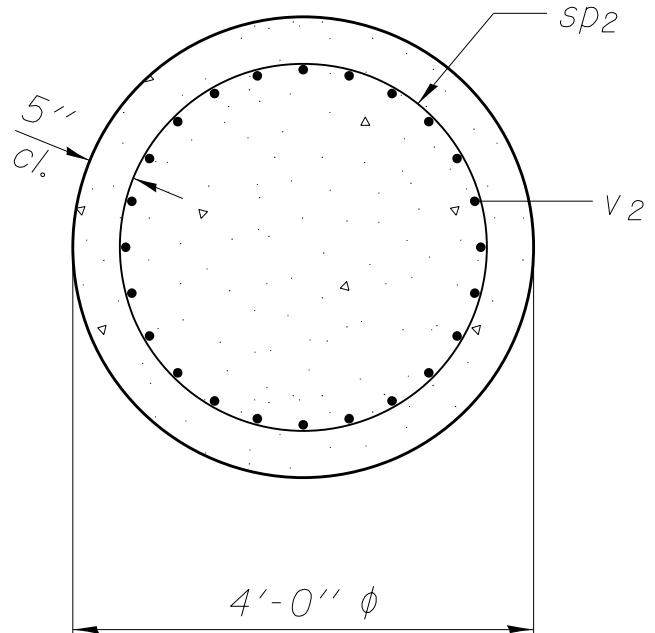


SECTION B-B

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|--------|-------|
| h(E) | 4 | #5 | 19'-2" | — |
| n | 48 | #9 | 9'-6" | — |
| p(E) | 12 | #9 | 22'-4" | — |
| s | 10 | #5 | 19'-7" | — |
| s1 | 42 | #5 | 13'-7" | — |
| s2 | 26 | #5 | 7'-7" | — |
| s3(E) | 13 | #5 | 12'-3" | — |
| sp2 | 2 | #5 | 46'-3" | — |
| u | 48 | #5 | 5'-4" | — |
| u1 | 8 | #5 | 9'-6" | — |
| v2 | 48 | #8 | 50'-5" | — |
| v3 | 48 | #8 | 5'-5" | — |
| v6 | 48 | #8 | 19'-2" | — |
| v7 | 24 | #6 | 3'-6" | — |
| v8 | 24 | #6 | 12'-9" | — |
| Structure Excavation | | Cu. Yd. | 29 | |
| Concrete Structures | | Cu. Yd. | 36.8 | |
| Reinforcement Bars | | Pound | 15470 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 1160 | |
| Drilled Shaft in Soil | | Cu. Yd. | 42.8 | |

Space cross beam reinforcement to miss anchor bolts.
Minimum lap for spirals = 2'-6"
** Length is height of spiral.



SECTION E-E

