

**DOCUMENT 00 90 00
ADDENDUM**

ADDENDUM NO. [1] Date: March 7, 2019

**RE: WITC – SUPERIOR CAMPUS
SUPERIOR EXTERIOR PHASE TWO
600 N 21ST STREET
SUPERIOR, WI 54880
HSR PROJECT NO. 18043-1**

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated February 2019. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [4] pages, [1] pre-bid attendance, [1] Revised Bid Form and [8] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance attached hereto.
2. Section 00 11 15-1 2019 PREQUALIFICATION PACKAGE
 - a. Page 6, Article A: The last line, Delete “Roofing Contractor” and add “Paving Contractor” and “Excavation Contractor”. Applying companies can cross out “Roofing” and add appropriate title.
3. Section 00 11 15 PREQUALIFIED CONTRACTORS (The Owner will accept bids from only the lead contractors that were in attendance at the March 4 pre-bid.)
 - a. The following Contractors have been approved:
M. Jolma, Inc. (Excavation Contractor)
63946 Hangard Road, Ashland, WI 54806
Contact: Marques Jolma
Phone: 715-278-3344
Email: marques@mjolmainc.com

Northern Interstate Construction (Excavation Contractor)
7835 E. Bayfield Road, South Range, WI 54874
Contact: Blake Johnson
Phone: 715-398-7561
Email: blake@northerninterstate.com

Minnkota Architectural Products (Roofing)
6845 20th Avenue, #150, Centerville, MN 55038
Contact: Nick Terry
Phone: 763-391-9434
Email: nick@minnkotaap.com

Hovland, Inc. (General Contractor)
4177 Thunderchief Ln
Hermantown, MN 55811
218-722-1662
Contact: Lon Hovland,CEO
lon@hovlandinc.com

Veit & Company (Excavation Contractor)
14000 Veit Pl
Rogers, MN 55374
763-428-9569
Contact: Gail Walden

4. Section 00 41 00 BID FORM
 - a. Revised bid form attached hereto as part of Contract Documents.

GENERAL REQUIREMENTS:

5. Section 01 22 00 UNIT PRICES
 - a. Unit Prices are for work over and above what is identified in Drawings or for unseen conditions. Specifically for Unit Prices 3, 4 and 5, the Base Bid shall include the Work identified on the Drawings. The Unit Price is for any of these items taken out or added to the Project beyond what is described for the base bid.
6. Section 01 23 00 ALTERNATES
 - a. Add Alternate No. 3 as follows: Gabion Wall
The following work shall be priced under Alternate No. 3: State the amount to be deducted from the base bid to remove extents of gabion wall, including foundation, as shown on A101R and modify existing chain link fence at intersection of remaining gabion wall. Remove existing slats and install new vinyl slats in fence (north and east runs). Color to be selected by A/E.

CHANGES TO SPECIFICATIONS:

7. Division 30 Work: The following applies to Civil Work:
 - a. Construction Staking: Cooper Engineering will provide staking to set control and rough grading staking for one day prior the start or as part of the start of the construction. This effort will be limited to one day's effort and will not include extensive setting of grade stakes in a grid pattern. Cooper Engineering will set storm sewer reference stakes for the key structure located in the project limits. Stakes will be set at the proposed structure location, and offset stakes will be set for contractor reference. Sidewalk reference offset stakes will be set at key points and features. Edge of asphalt or curb line reference offset stakes will be set at key points and features. The staking for the curb, pavement edge, and sidewalk will not include setting stakes every 25 feet along all the work. Such supplemental stakes shall be set by the contractor as deemed necessary for the construction. Light pole locations will be staked.

- b. Permits:
 - i. Contractor will be responsible to complete the City of Superior Land Disturbing Activity Permit Application, and pay associated fees, prior to beginning work.
 - ii. Sign permit shall be paid for by General Contractor. A/E shall complete submittal for sign permit to the city.
 - iii. The Owner has applied for the Wisconsin DNR WPDES Construction Storm Water Runoff Permit including Water Resources Application for Project Permits.
 - iv. Any other permits required by governing authorities shall be obtained and paid for by the General Contractor.
- 8. Section 34 71 13 VEHICLE BARRIER SYSTEMS
 - a. The work under this Section shall be included within the lump sum price provided for the parking lot work.
 - b. Page 3: At Line 12, insert the following language;
“If a unit price bid item is used for the item of work or if payment for the effort is itemized in some other manner by the contract, measure work in accordance with the applicable bid items. If no specific bid items are listed for items listed herein, all work is considered incidental to the project and disregard further provisions of this section.”

CHANGES TO DRAWINGS

- 9. Sheet C100R EXISTING SITE AND DEMOLITION PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
- 10. Sheet C200R SITE LAYOUT PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
- 11. Sheet C800 DETAILS
 - a. The hot mix asphalt shall be: 4 LT 58-28 S Lower Layer; 4 LT 58-34 S Upper Layer.
 - b. The following are the layer thicknesses for asphalt paving:
 - i. Light Duty Pavement = 3.5 Inches (1.75 “ Lower Layer, 1.75” Upper Layer)
 - ii. Heavy Duty Pavement = 4 Inches (2.25” Lower Layer, 1.75” Upper Layer)
- 12. Sheet A100R OVERALL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
- 13. Sheet A101R FLOOR PLAN SEGMENT ‘A’ AND ‘B’ 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
- 14. Sheet A102R ROOF PLAN SEGMENT ‘C’ AND ‘D’ 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Keynote 3: Removal of EIFS shall include preparation of CMU substrate to receive cultured stone system.
 - c. Repairs to the Canopy Roof System: Existing roof is under warranty. Contractor shall secure the services of Quality Roofing, Marshfield, WI. 800-938-0666 for repairs to canopy roof.
- 15. Sheet A103R SIGNAGE DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing

16. Sheet S100R1 STRUCTURAL PLANS AND DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
17. Sheet S200R1 STRUCTURAL PLANS AND DETAILS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
 - b. Detail 8S200: The pier is intended to be placed in two separate pours. Vertical reinforcing shall be tied to allow for continuity.
18. Sheet E101 ELECTRICAL SITE PLAN
 - a. Revise Keynote #1 to read as follows: "Provide new fixture head on existing pole. Revise mounting to Spumba for installation on existing pole. Prior to ordering, contractor shall verify actual pole height, thickness and material. Contact A/E with findings for final determination that existing pole is suitable for EPA wind load of new fixture(s)."
 - b. Include installation of 320 feet of 1 ½ inch underground conduit north of building for future use at the south end of two storm water management basins. Installation shall occur before placement of new drive and parking lot. Location to be verified with Owner and A/E.

PRIOR APPROVALS

1. Section 12 93 13 BICYCLE RACKS
 - a. Dero Rolling Rack. www.dero.com

END OF DOCUMENT 00 90 00

Topic WITC Prebid

Date 3-4-19

Project Superior 2

Proj. No. 18043-1

Name	Co.	Email
Daniel Blumer	HSR	dblumer@hsrassociates.com
MIKE McNAMARA	Quality Roofing Inc	mike.mc@qroof.com
Mike Cohen	Max Gray Const	mcohen@maxgrayconstruction.com
John Stillwell	4	
BLAKE JOHNSON	NORTHERN INTERSTATE CONSTRUCTION	BLAKE@NORTHERNINTERSTATE.COM
Scott BAUSAVICH	COOPER ENGINEER	sbausavich@cooperengineering.net
Kristi Foust	WITC	kristi.foust@witc.edu
NATE SAPIK	BENSON ELECTRIC	nate@becsbu.com
Tyler Gosso	Thomas-Grace	tyler.gosso@thomas-grace.com
JOHN Stillwell	Max Gray Const	jstillwell@maxgrayconstruction.com
PETER GAMAACHE	WITC	PETER.GAMAACHE@WITC.EDU



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DOCUMENT 00 41 00

BID FORM (Revised)

BIDDER: _____

BID FOR SINGLE PRIME CONTRACT

PROJECT: **WITC – SUPERIOR CAMPUS
SUPERIOR EXTERIOR PHASE TWO
600 N 21ST STREET
SUPERIOR, WI 54880
HSR PROJECT NO. 18043-1**

TO: **WISCONSIN INDIANHEAD TECHNICAL COLLEGE
505 PINE RIDGE DR
SHELL LAKE, WI 54871
ATT: KRISTI FOUST**

BASE BID

The undersigned, having examined the site where the Work is to be executed and become familiar with local conditions affecting the cost of the Work and carefully examined the Project Manual, the Project Drawings, all other Bidding Documents and Addenda thereto prepared by the AE, HSR Associates, Inc., hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the ENTIRE WORK, in the time frame stipulated in these contract documents, for the Base Bid stipulated sum of:

_____ Dollars (\$_____ .00)

ALTERNATE BIDS

The undersigned further agrees to perform the alternative portions of the Work as described in the Project Manual, Section 01 23 00 Alternates, for the following additions to or deductions from the Base Bid sum stipulated above:

Alternate No. 1 Replacement of six (6) existing decorative light poles

Add _____ Dollars (\$_____ .00)

Alternate No. 2 Canopy Modifications

Add _____ Dollars (\$_____ .00)

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Alternate No. 3 Gabion Wall

Deduct _____ Dollars (\$) _____ .00)

UNIT PRICES

A. Unit Price UP-1: Excess Excavation

Per cubic yard _____ Dollars (\$) _____ .00)

B. Unit Price UP-2: Compacted Fill

Per cubic yard _____ Dollars (\$) _____ .00)

C. Unit Price UP-3: 2" Caliper Trees @ 8' Tall

Per tree _____ Dollars (\$) _____ .00)

D. Unit Price UP-4: Large Pylon Sign

Add/Remove Sign _____ Dollars (\$) _____ .00)

E. Unit Price UP-5: Colonnade Sign

Add/Remove Sign _____ Dollars (\$) _____ .00)

BIDDER'S CHOICE SUBSTITUTIONS

The following Bidder's Choice Substitution is proposed for your consideration subject to the requirements set forth in Document 00 22 13 Supplementary Instructions to Bidders, Subparagraph 3.3.4:

Substitution No. S1:

For substituting _____

Type, Brand, Catalog No. _____

Manufacturer _____

Deduct from BASE BID _____ Dollars (\$) _____ .00)

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In submitting this Bid, the undersigned agrees to:

1. Hold this Bid open for **60** days.
2. Accept the provisions of Instructions to Bidders regarding disposition of Bid Security.
3. Enter into and execute an Agreement, if awarded on the basis of this Bid, and to furnish Performance and Labor and Material Payment Bonds according to the Supplementary Conditions.
4. Accomplish work according to the Contract Documents.
5. Complete the work by the time stated in Section 01 10 00 Summary of the Work.

Receipt of the following Addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Attached hereto are the required:

- a. () Bid Security

FIRM NAME: _____

(Affix seal if
Corporation)

By: _____

Title: _____

By: _____

Title: _____

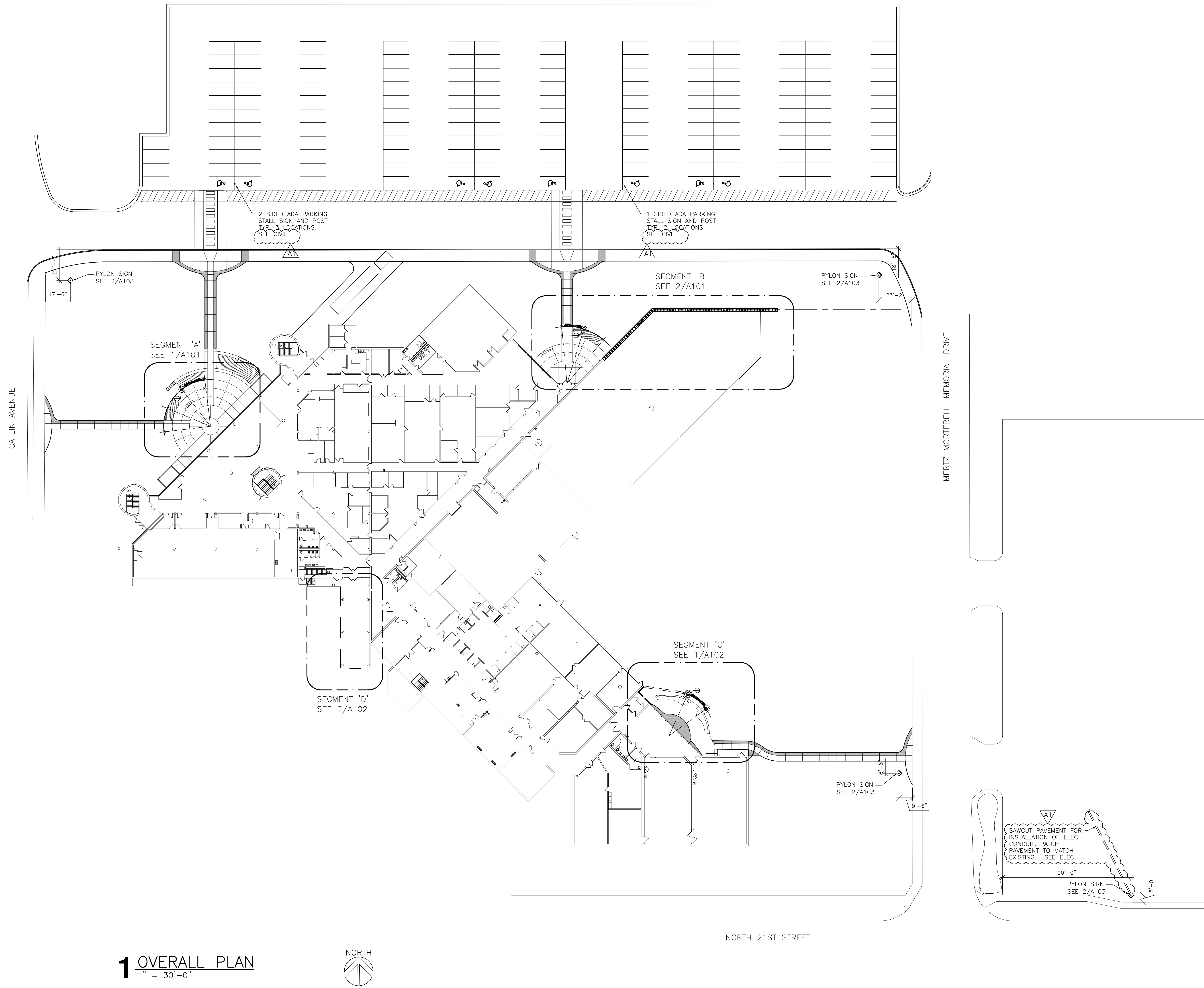
Date: _____

Official Address: _____

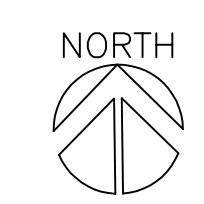
Telephone: _____

END OF DOCUMENT 00 41 00

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1 OVERALL PLAN
1" = 30'-0"



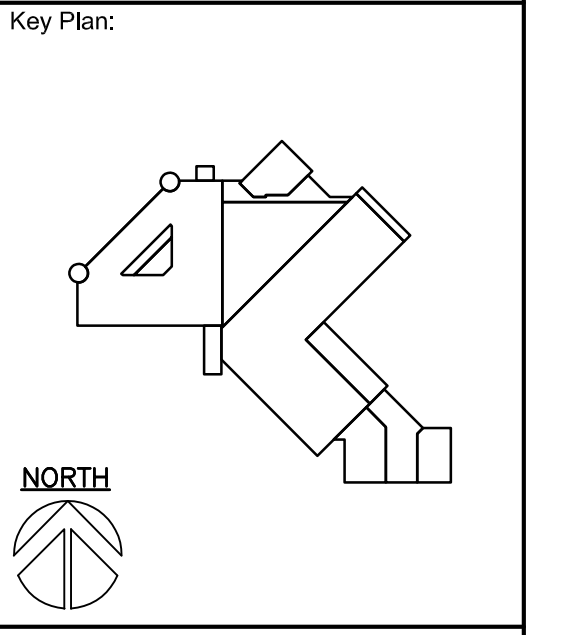
**WITC - SUPERIOR
EXTERIOR PHASE 2**

Project Title:
Project Location:
Superior, Wisconsin 54880

HSR Project Number:
18043-1

Project Date:
FEBRUARY 22, 2019

Drawn By:
HSR



No.	Description	Date
A1	ADDENDUM 1	3/7/19

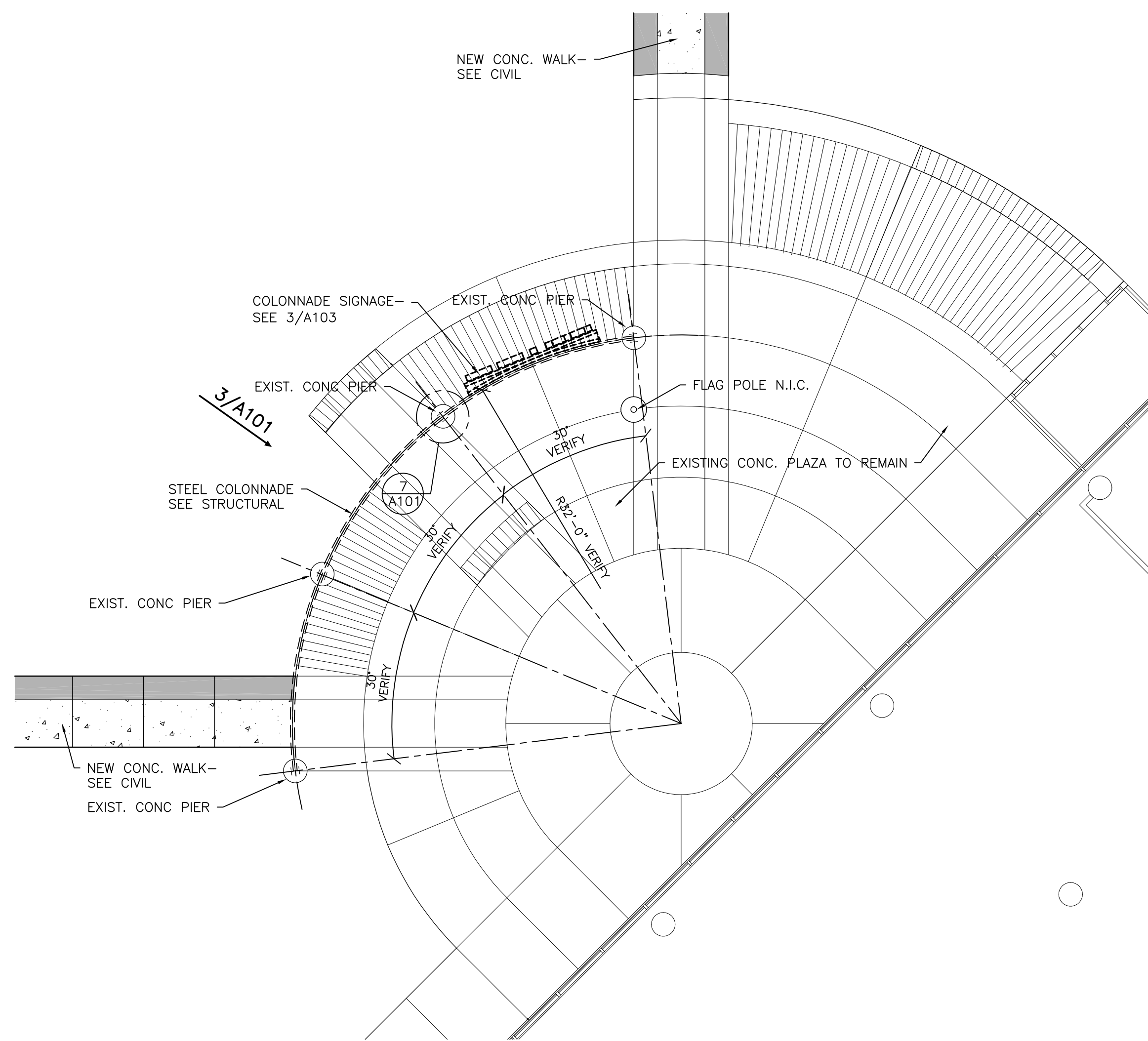
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Last Update:
02/22/2019

A100R



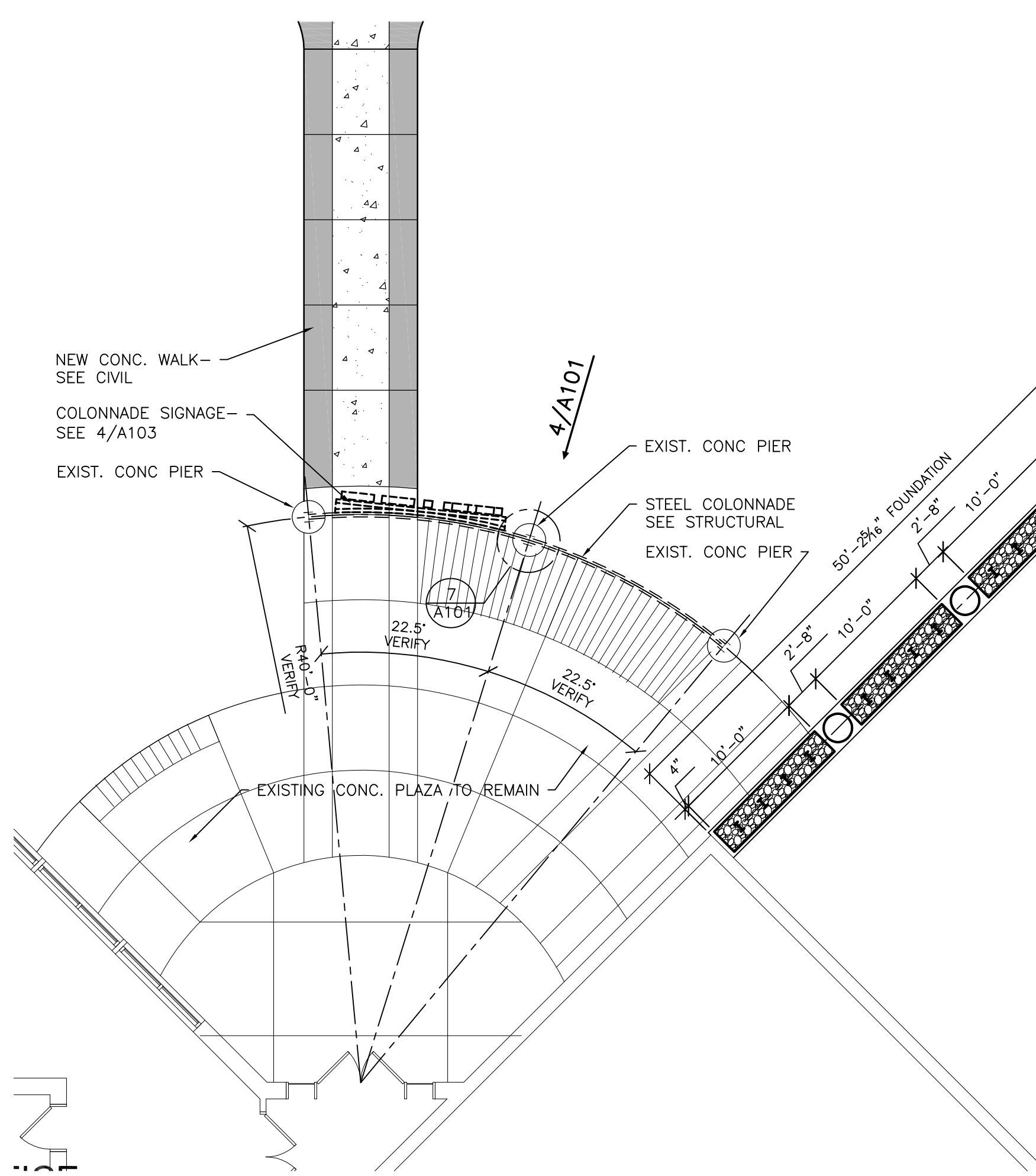
Consultant:



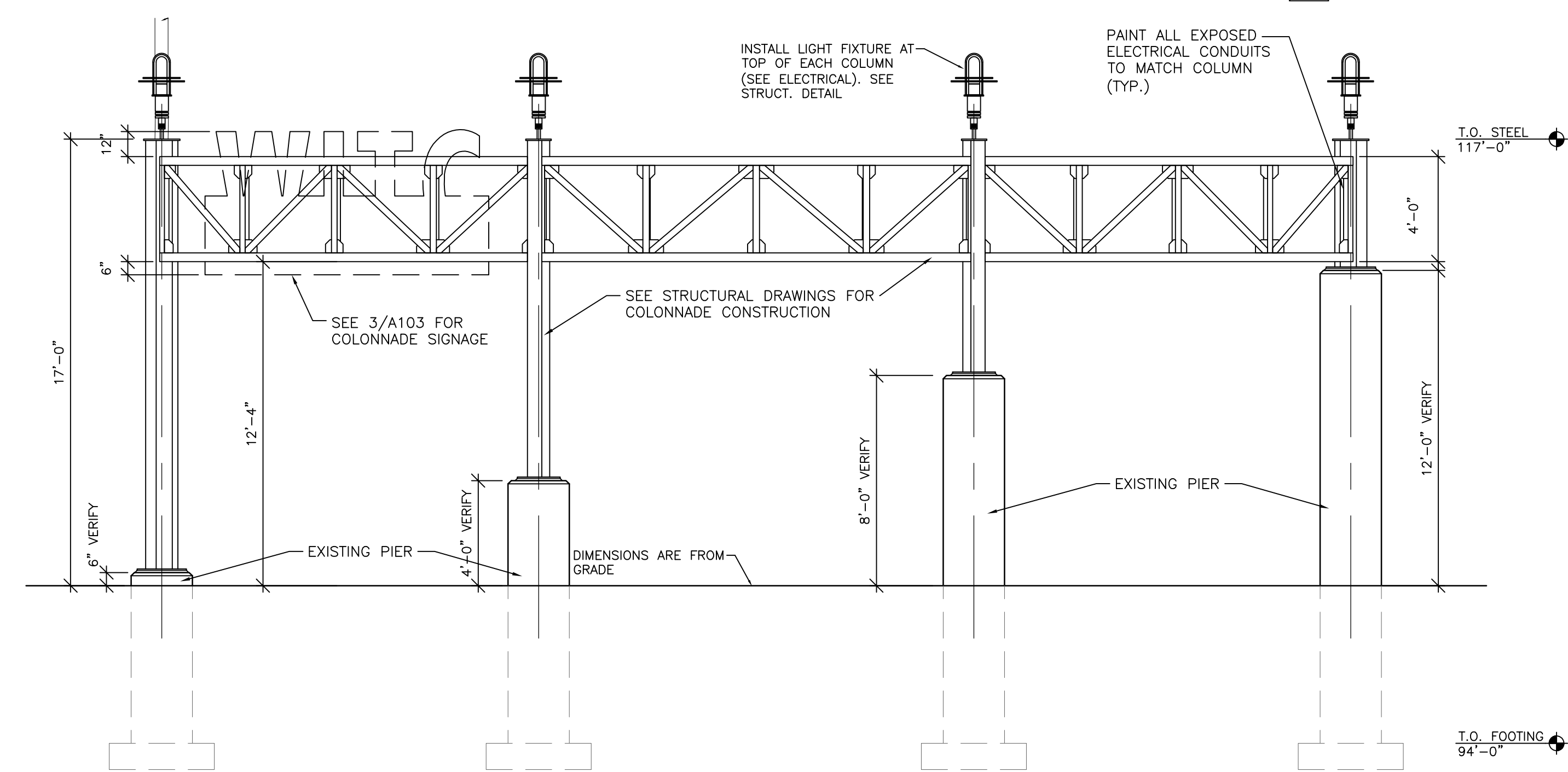
1 FIRST FLOOR PLAN SEGMENT 'A'
1/8" = 1'-0"



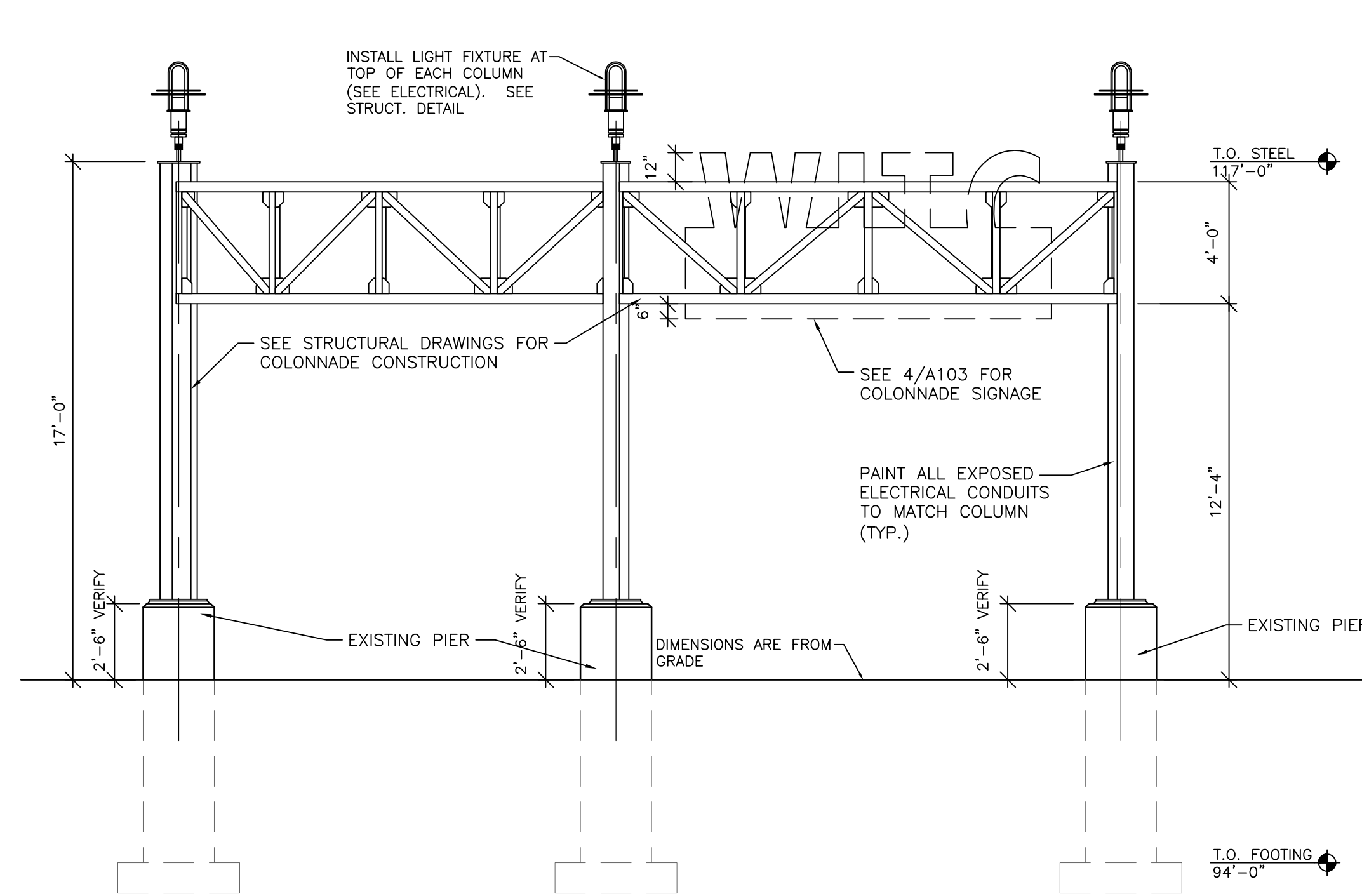
NOTE: ALL STRUCTURAL STEEL ITEMS AT COLONNADE AND PYLON SIGN ARE TO BE HOT-DIPPED GALVANIZED.



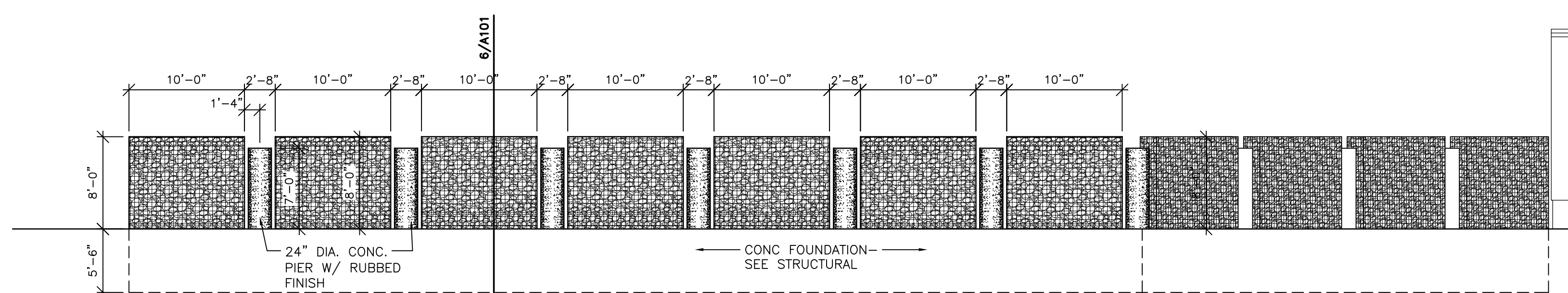
2 FIRST FLOOR PLAN SEGMENT 'B'
1/8" = 1'-0"



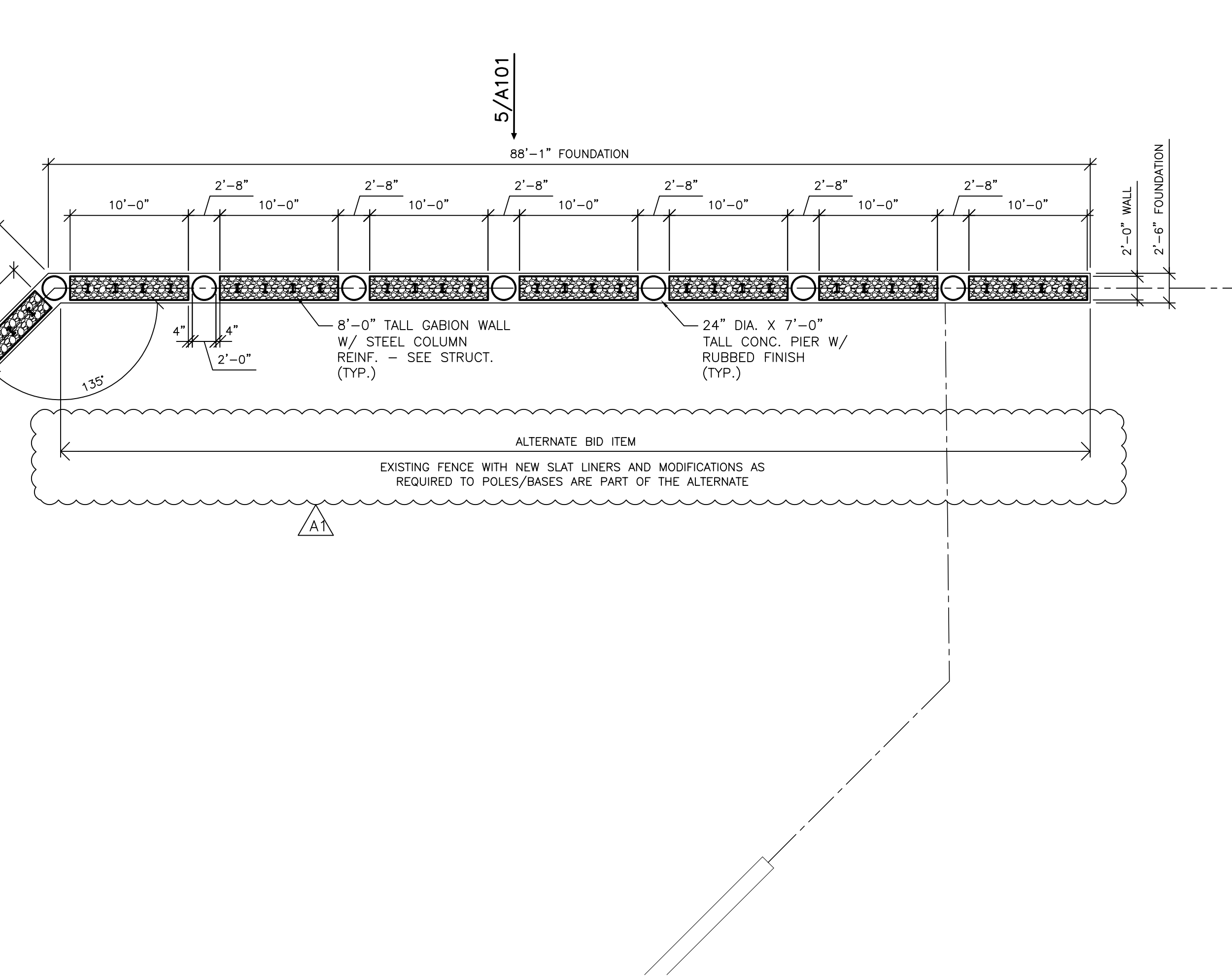
3 ENTRANCE COLONNADE ELEVATION
1/4" = 1'-0"



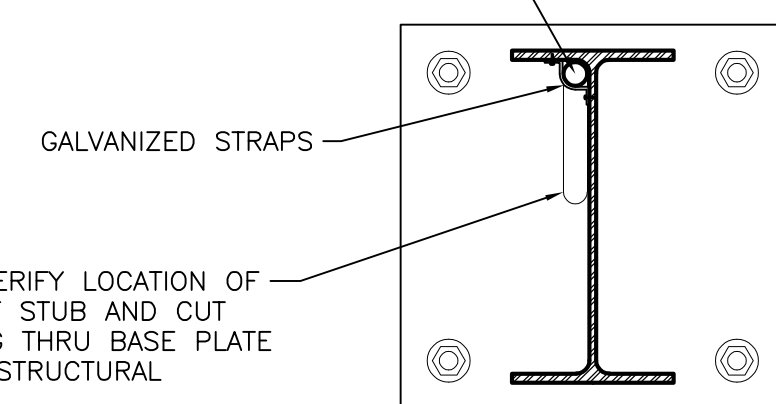
4 CONFERENCE COLONNADE ELEVATION
1/4" = 1'-0"



5 GABION WALL ELEVATION
1/8" = 1'-0"

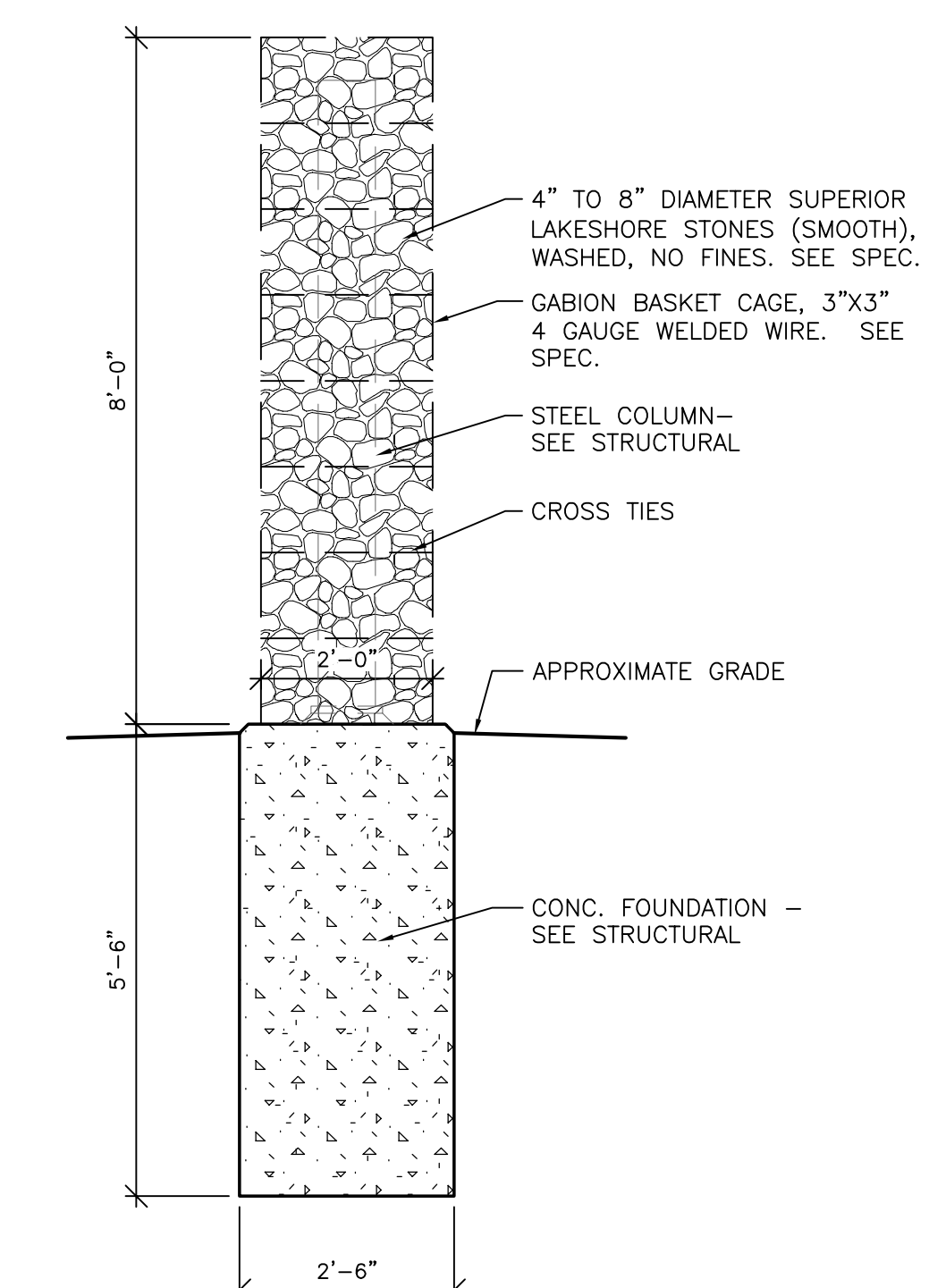


NOTE: CABLING SHALL BE IN GALVANIZED CONDUIT AT THE CORNER OF THE COLUMN. CONDUIT SHALL BE FITTED TIGHTLY AND NEATLY.



7 COLUMN DETAIL
1 1/2" = 1'-0"

NOTE: A 24" W X 4" T X 4" L SECTION OF DIBRON WALL SHALL BE FABRICATED AS A MOCK-UP FOR APPROVAL PRIOR TO FABRICATION OF REMAINING WALL. MOCK-UP SHALL INCLUDE STONE FILL.



6 GABION WALL SECTION
1/2" = 1'-0"

WTC - SUPERIOR
EXTERIOR PHASE 2

Project Title:
Project Number:
Project Location:
600 N. 21st Street
Superior, Wisconsin 54880

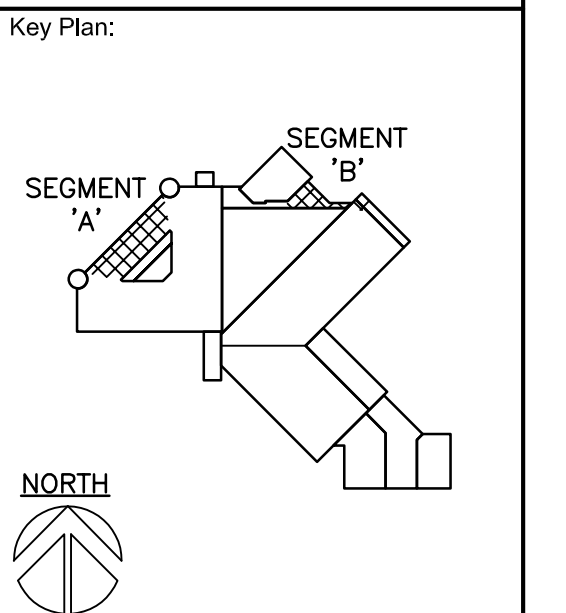
Sheet Title:
FLOOR PLAN SEGMENT 'A' AND 'B'

HSR Project Number:
18043-1

Project Date:
FEBRUARY 22, 2019

Drawn By:
HSR

Key Plan:



No.	Description	Date
A1	ADDENDUM 1	3/7/19

Graphic Scale:
VARIES

Last Update:
02/22/2019

A101R



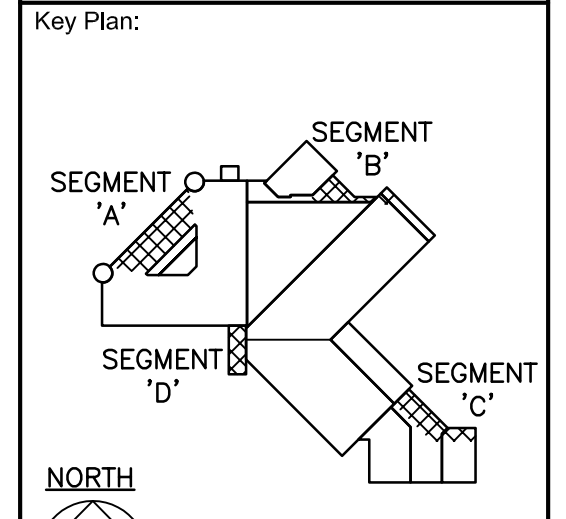
HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
WEB SITE: www.hsrassociates.com
Consultant:

**WITC - SUPERIOR
EXTERIOR PHASE 2**
Project Title:
Project Number:
Project Date:
Drawn By:
Key Plan:
Project Location:
600 N. 21st Street
Superior, Wisconsin 54880
Signage Details

HSR Project Number:
18043-1

Project Date:
FEBRUARY 22, 2019

Drawn By:
HSR

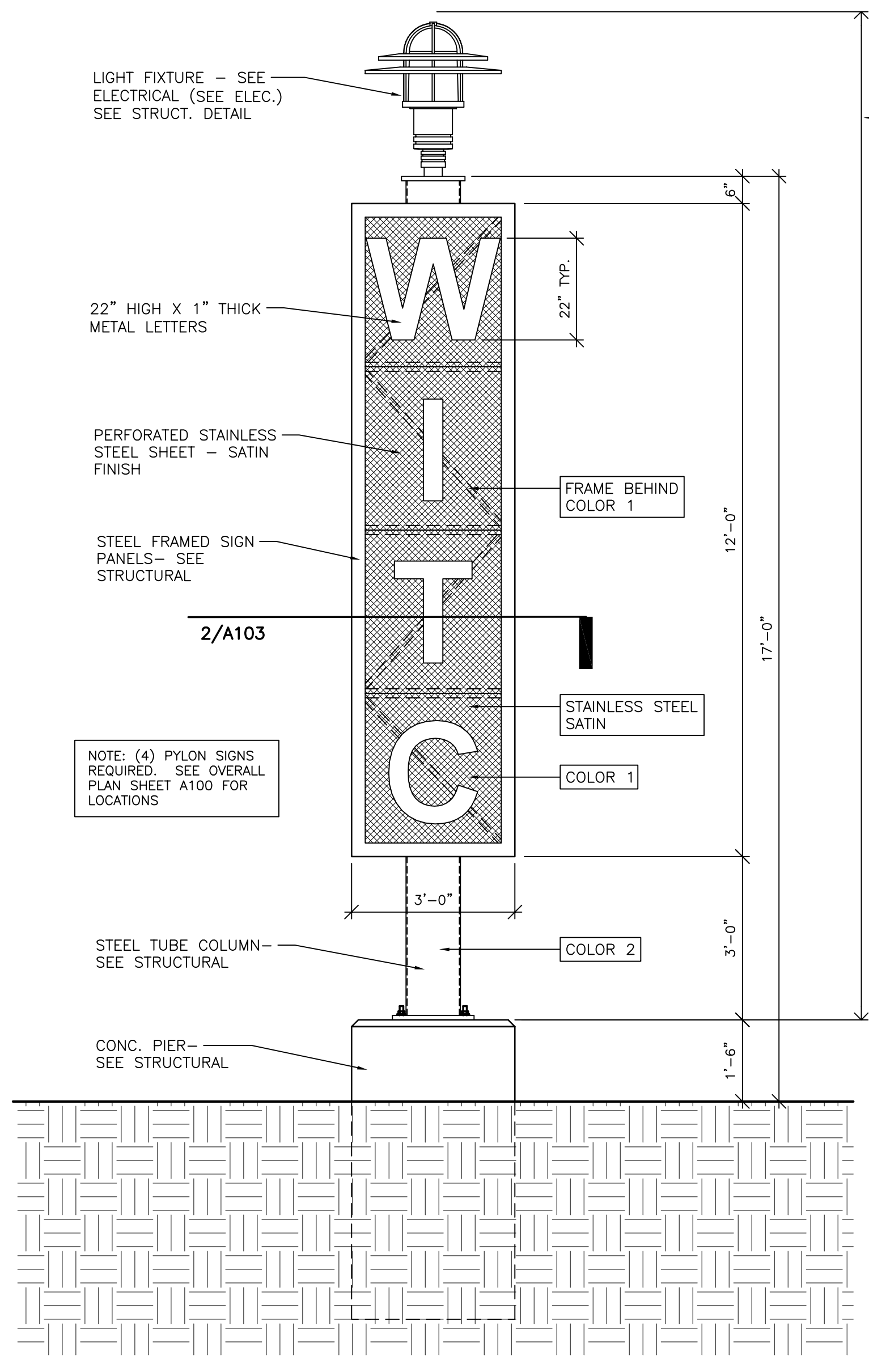


Revisions:

No.	Description	Date
A1	ADDENDUM 1	3/7/19

Graphic Scale:
VARIES
Last Update:
02/22/2019

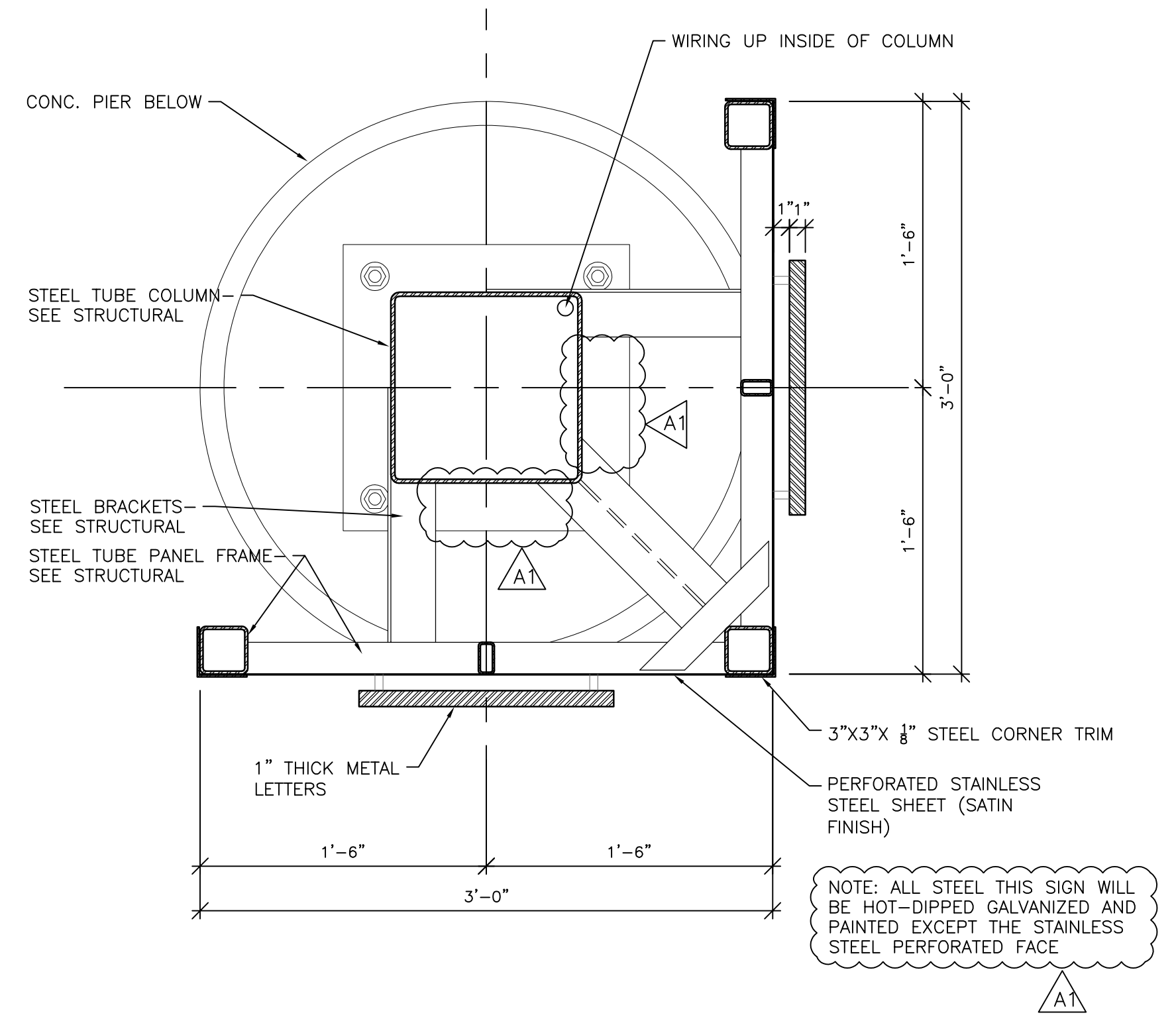
A103R



1 PYLON SIGN ELEVATION
1/2" = 1'-0"

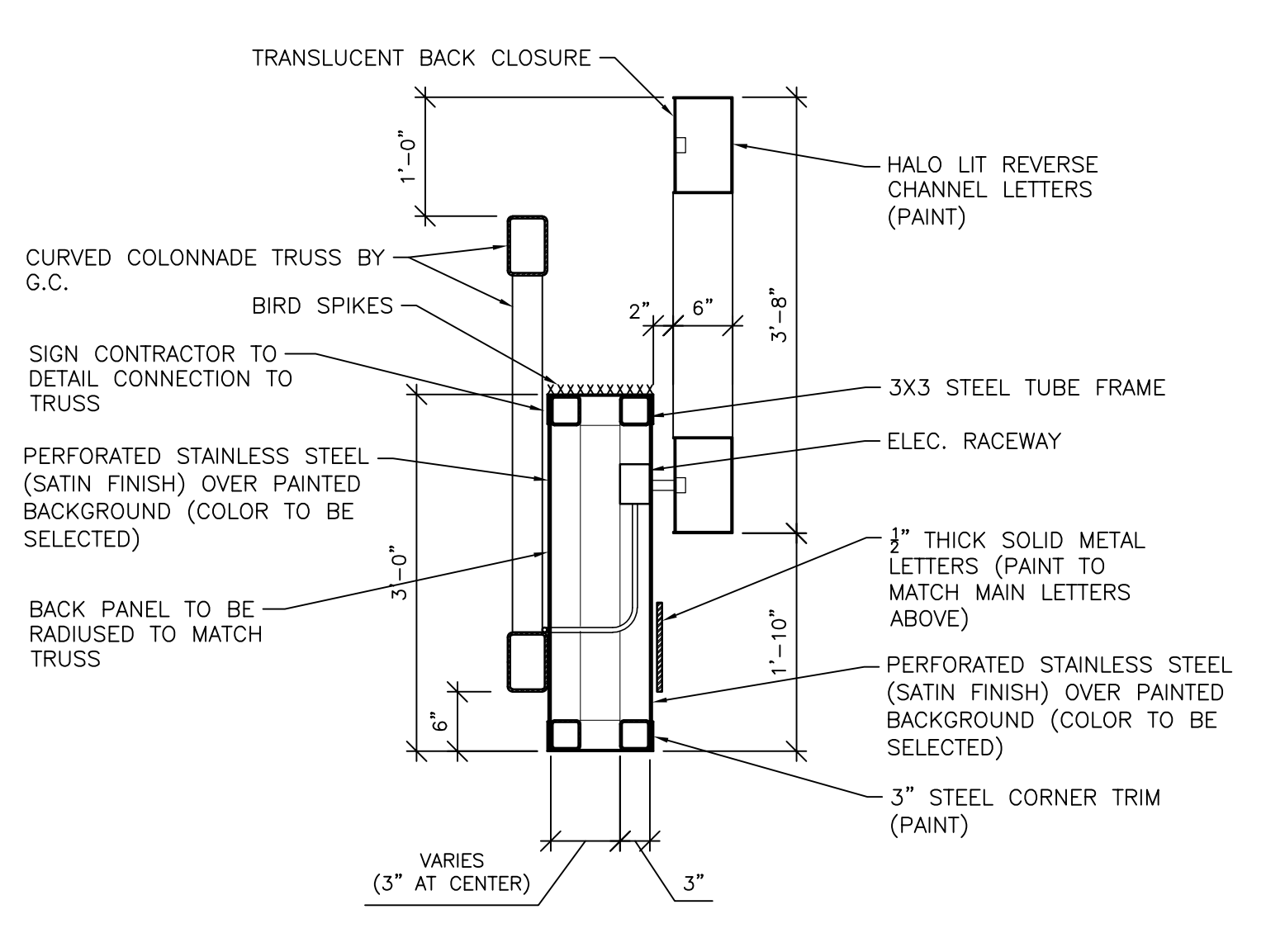
NOTE: CONTRACTOR'S CHOICE TO HAVE EVERYTHING ABOVE THE PIER BY THE SIGN CONTRACTOR, OR TO HAVE SIGN CONTRACTOR ONLY DO THE LETTERS. COORDINATE WITH YOUR SIGN CONTRACTOR.

NOTE: (4) PYLON SIGNS REQUIRED. SEE OVERALL PLAN SHEET A100 FOR LOCATIONS

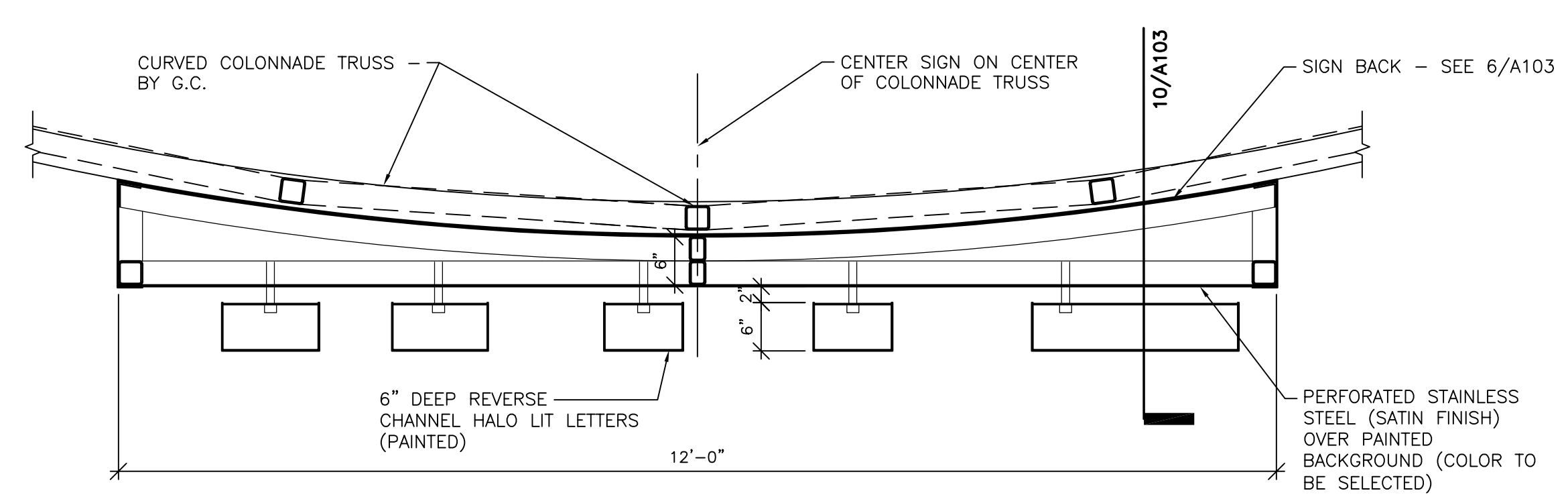


2 PYLON SIGN PLAN
1 1/2" = 1'-0"

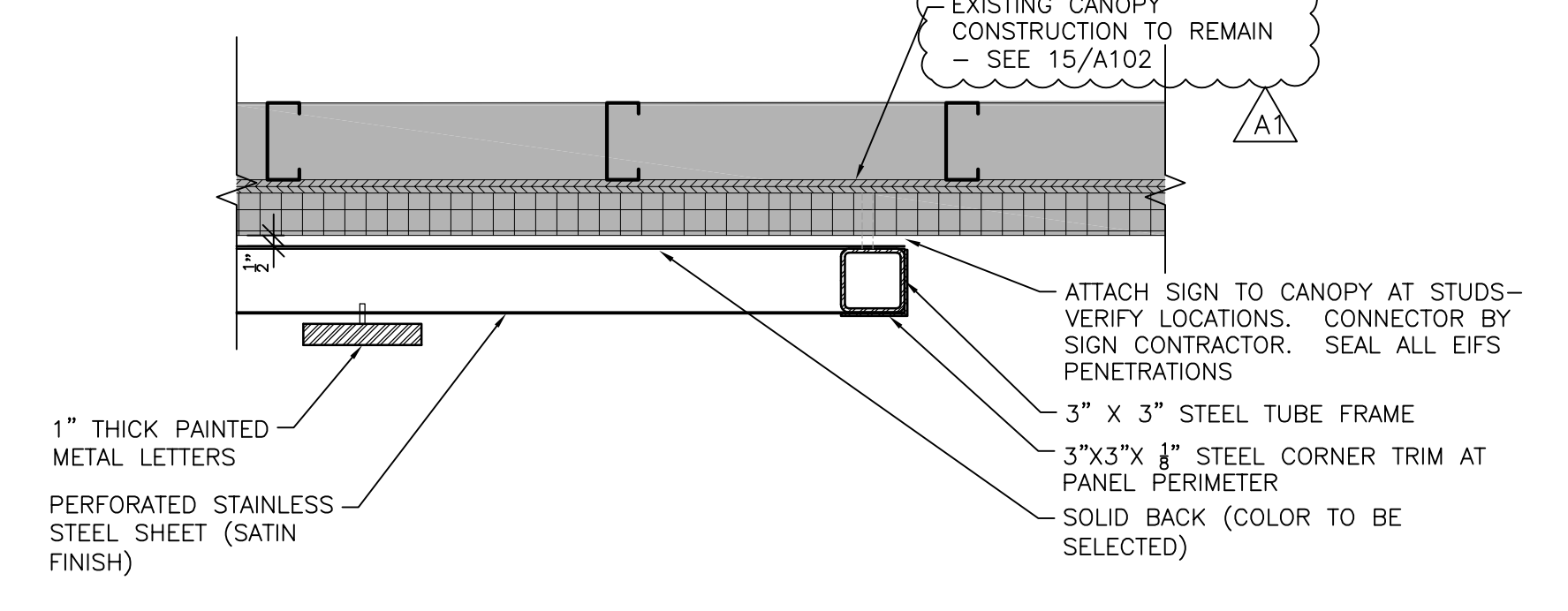
GENERAL NOTE:
SIGN CONTRACTOR SHALL INCLUDE A DESIGN DEVELOPMENT PHASE TO DO FINAL DESIGN OF THIS SIGNAGE WITH THE OWNER/AE. ONCE APPROVED, SIGN CONTRACTOR SHALL COMPLETE FINAL SHOP DRAWINGS FOR REVIEW AND APPROVAL OF THE OWNER/AE. SIGN CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESIGN OF THE SIGN AND INTEGRAL STRUCTURE. SIGN CONTRACTOR SHALL BE A SUB-CONTRACTOR TO THE GENERAL CONTRACTOR. SIGNS SHALL BE UL LISTED/STAMPED PER SPEC.



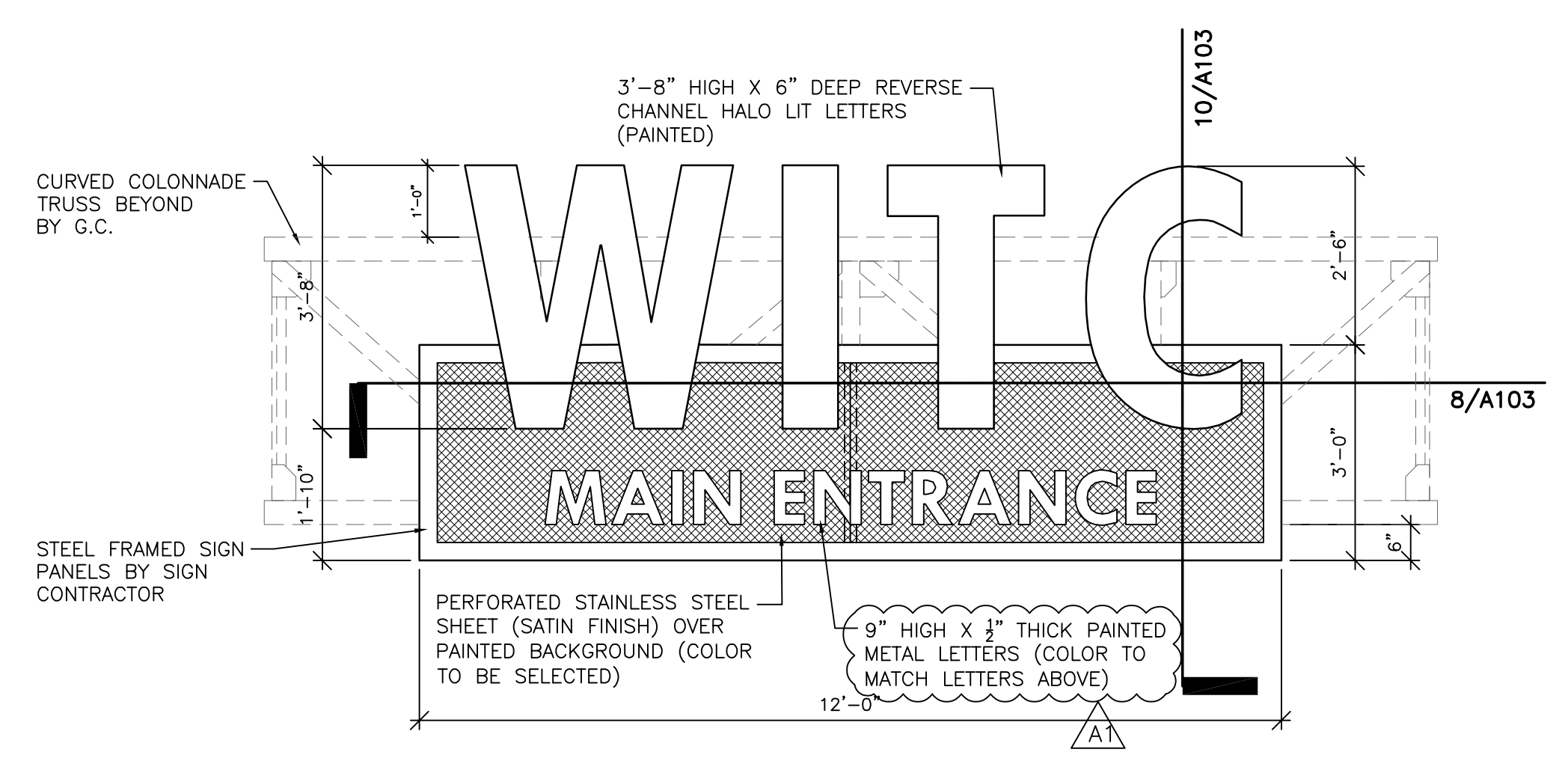
10 COLONNADE SIGN SECTION
3/4" = 1'-0"



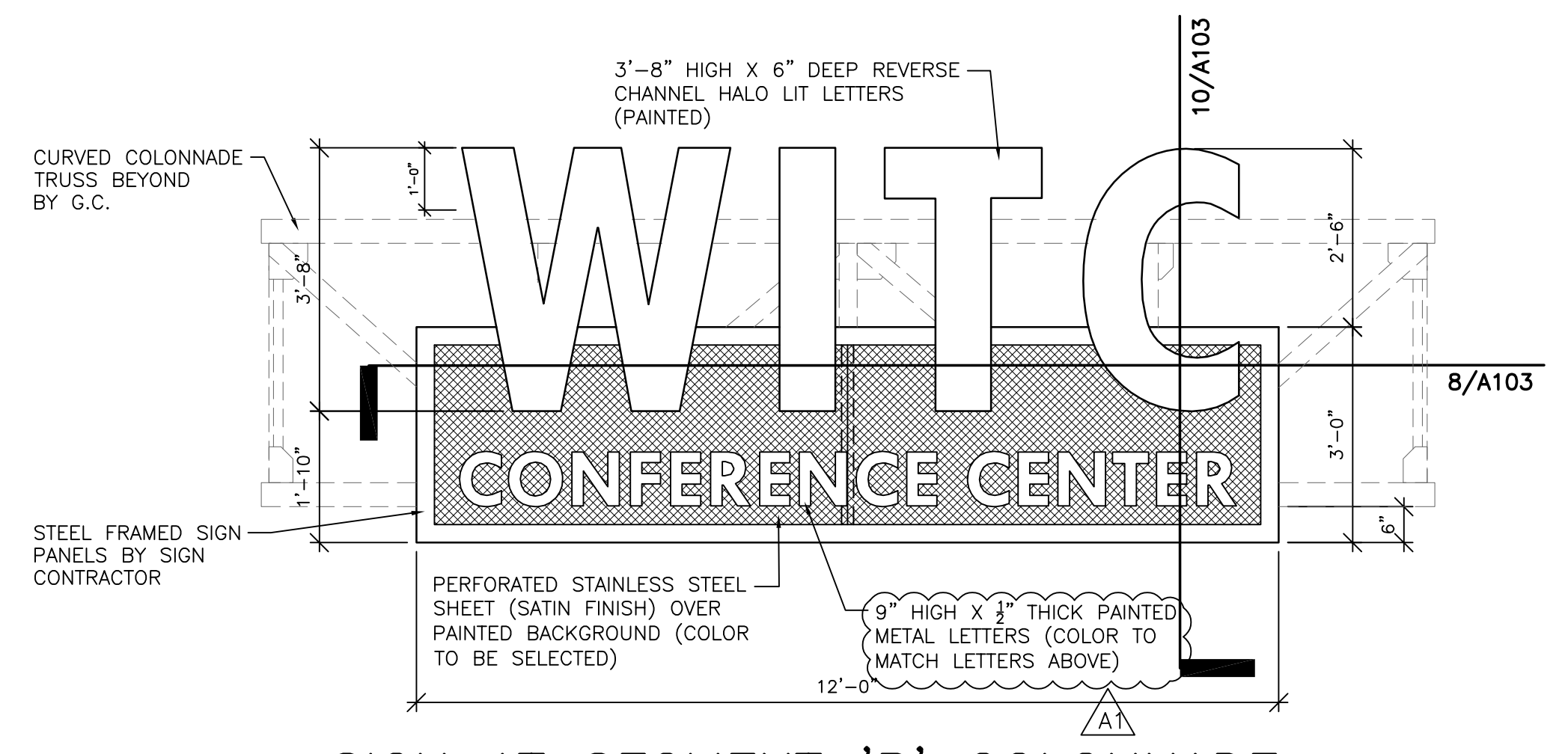
8 COLONNADE SIGN PLAN
3/4" = 1'-0"



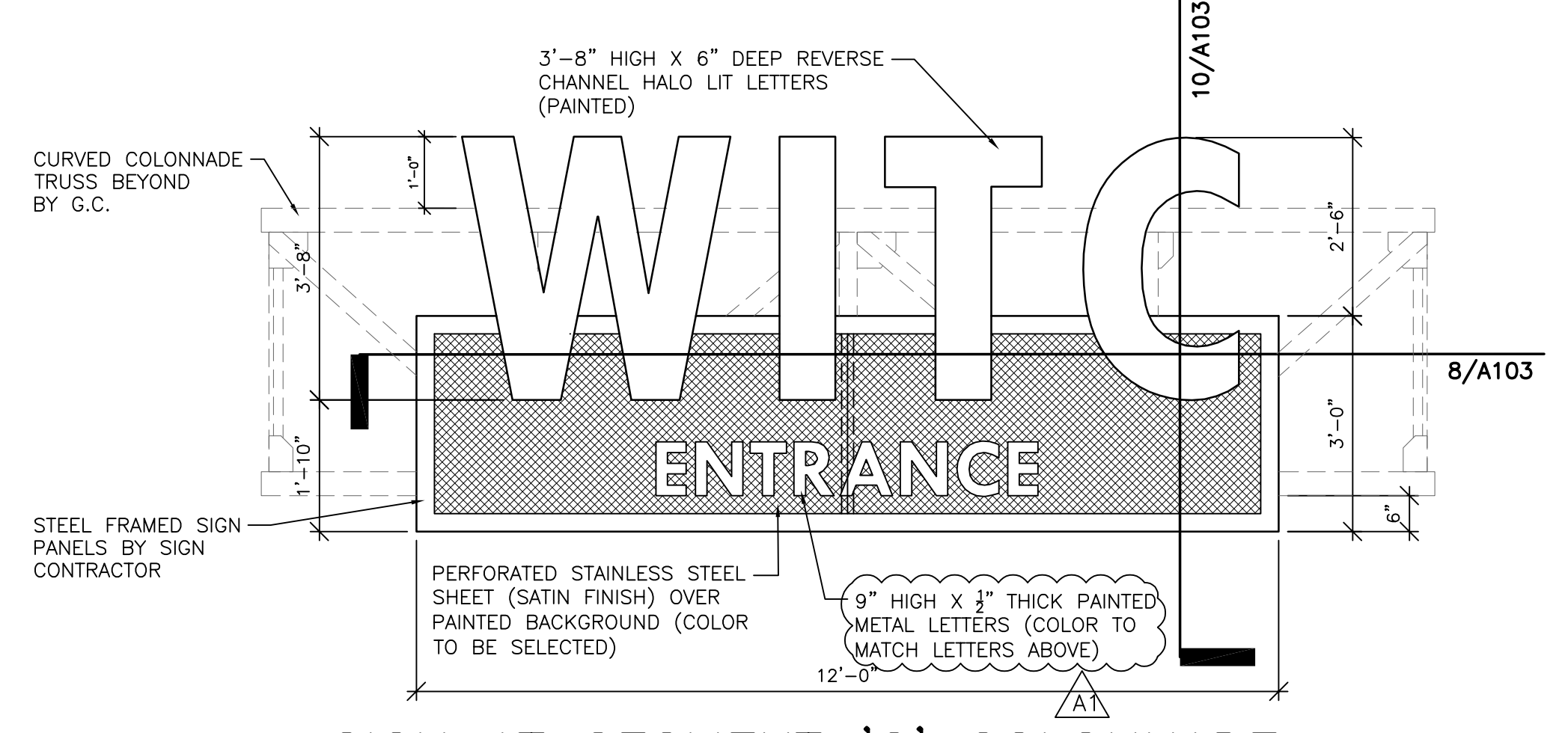
9 CANOPY SIGN DETAIL
1/2" = 1'-0" ALTERNATE BID



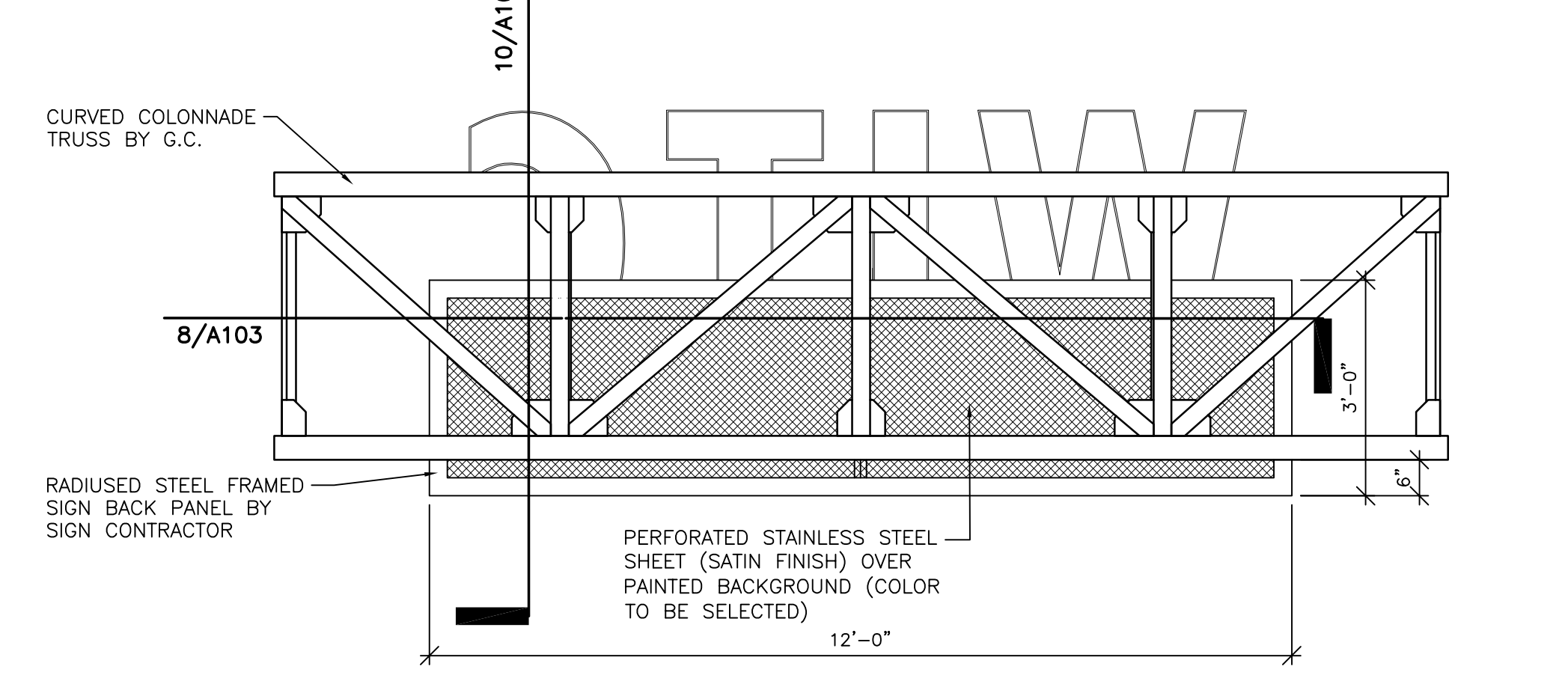
3 SIGN AT SEGMENT 'A' COLONNADE
1/2" = 1'-0"



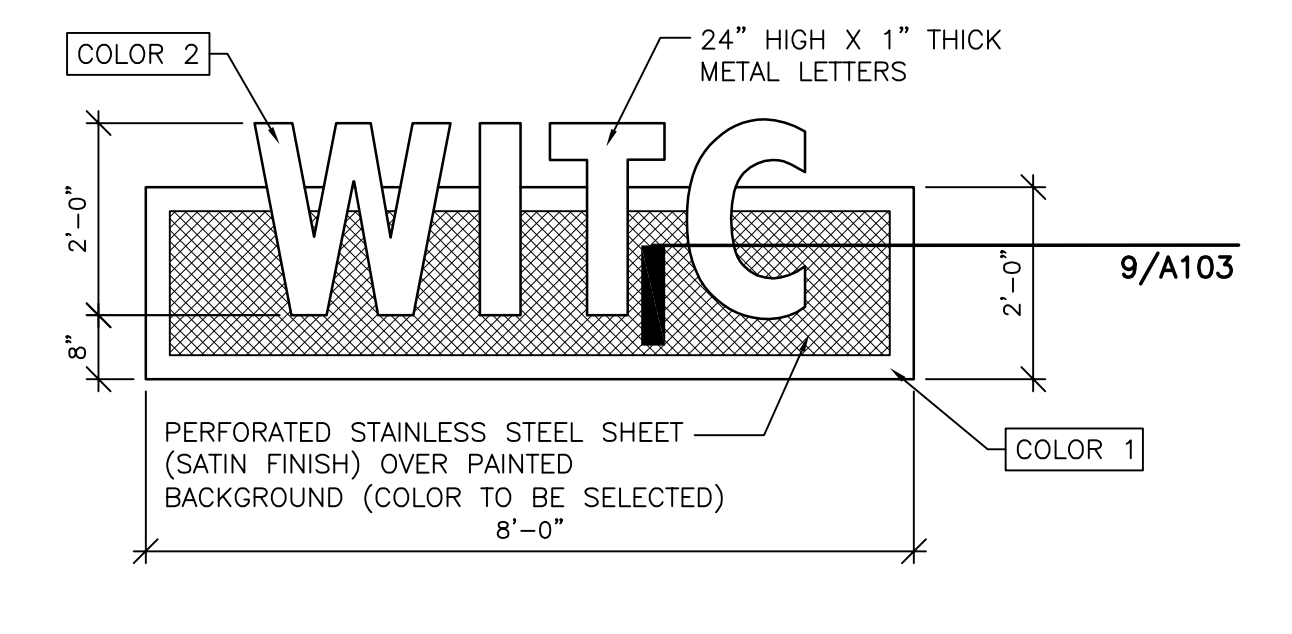
4 SIGN AT SEGMENT 'B' COLONNADE
1/2" = 1'-0"



5 SIGN AT SEGMENT 'C' COLONNADE
1/2" = 1'-0"



6 SIGN BACK AT ALL COLONNADE SIGNS
1/2" = 1'-0"



7 SIGN AT SEGMENT 'D' CANOPY
1/2" = 1'-0" ALTERNATE BID

- BUILDING CODES
 - DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE 2015 WISCONSIN COMMERCIAL BUILDING CODE AS CONTAINED IN CHAPTERS SPS 381 TO 386 OF THE WISCONSIN ADMINISTRATIVE CODE.
- MATERIAL STRENGTHS AND STANDARDS
 - THE MATERIAL STRENGTHS AND STANDARDS LISTED HERE REPRESENT A SELECTED SUMMARY OF THE REQUIREMENTS NOTED IN THE SPECIFICATIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN CASE OF DISCREPANCY BETWEEN THESE NOTES AND THE SPECIFICATIONS, THESE NOTES SHALL GOVERN.
- STRUCTURAL STEEL (SHAPES)
 - WF, WT SECTIONS (ASTM A992) F_y = 50,000 PSI; F_u = 65,000 PSI
 - M, S, HP SECTIONS, CHANNELS, ANGLES, PLATES (ASTM A36) F_y = 36,000 PSI; F_u = 58,000 PSI
- STRUCTURAL STEEL (CONNECTIONS)
 - TENSION CONNECTIONS (AISC 305) F_y = 50,000 PSI
 - WELDING ELECTRODES E70XX F_y = 50,000 PSI
 - SHEAR STUD CONNECTORS (ASTM A108, GRADE 1010 THROUGH 1020) 30 PSF (E.G. TO VERIFY) 200 PLF
- SOILS
- WIND - ON TRUSSES (LATTICE FRAMEWORK)
- DL - SIGN ON TRUSSES
- GENERAL NOTES
- EXISTING CONDITIONS

INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THE STRUCTURAL DRAWINGS REPRESENTS THE ACTUAL EXISTING FIELD CONDITION TO THE BEST OF OUR KNOWLEDGE. R.A. SMITH, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS, DIMENSIONS AND BUILDING CONDITIONS AFFECTING THE WORK BY DIRECT SURVEY AND MEASUREMENT PRIOR TO THE FABRICATION, ERECTION OR CONSTRUCTION OF ANY ITEM IMPACTED BY EXISTING CONDITIONS. REPORT DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS FOR REVIEW. ANY WORK PERFORMED PRIOR TO THE RESOLUTION OF THE DISCREPANCIES IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.

EXISTING STRUCTURE TO REMAIN IS SHOWN WITH LIGHT GRAY LINES. EXISTING STRUCTURE TO BE REMOVED IS NOT GENERALLY SHOWN ON STRUCTURAL DRAWINGS - SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION DRAWINGS.

ALL EXISTING STRUCTURE TO REMAIN TO BE SUPPORTED BY NEW CONSTRUCTION SHALL BE SHORED UNTIL NEW CONSTRUCTION IS IN PLACE, COMPLETED, AND CAPABLE OF SUPPORTING THE EXISTING STRUCTURE. EXISTING STRUCTURE TO REMAIN THAT IS AFFECTED, BUT NOT SUPPORTED, BY NEW CONSTRUCTION SHALL BE SHORED UNTIL IT IS NO LONGER AFFECTED BY CONSTRUCTION ACTIVITIES.

UNLESS SPECIFICALLY NOTED OTHERWISE, BUILDING STRUCTURE HAS BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION ONLY, AND HAS NOT BEEN ANALYZED, INVESTIGATED OR DESIGNED FOR OVERALL STRUCTURE, OR INDIVIDUAL MEMBER STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BRACING AND SUPPORTS FOR ALL STRUCTURAL ELEMENTS, BOTH INDIVIDUALLY AND COLLECTIVELY, AS REQUIRED AT EVERY STAGE OF CONSTRUCTION UNTIL THE FINAL COMPLETION OF THE STRUCTURE. NO PORTION OF THE BUILDING STRUCTURE WHILE UNDER CONSTRUCTION IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTORS TEMPORARY BRACES AND SUPPORTS, WHICH SHALL ADDITIONALLY PROVIDE SUPPORT FOR ALL CONSTRUCTION LOADING. MATERIALS AND EQUIPMENT SHALL BE STORED, TRANSPORTED AND INSTALLED IN A MANNER THAT WILL NOT EXCEED THE DESIGN FLOOR LOADING.

CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TEMPORARY BRACING, SUPPORTS, SHORING, FORMING TO SUPPORT IMPOSED CONSTRUCTION LOADS, AND OTHER SIMILAR ITEMS.

STRUCTURAL DOCUMENTS MAY REFER TO OSHA REQUIREMENTS. SUCH REFERENCES ARE INCIDENTAL, AND ARE NOT INTENDED TO IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS.

INFORMATION CONTAINED IN THE GENERAL NOTES IS ONLY A PARTIAL SUMMARY OF PROJECT REQUIREMENTS. SEE SPECIFICATIONS, PLANS AND DETAILS FOR ADDITIONAL REQUIREMENTS.

USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT MANUALLY SCALE THE DRAWINGS OR USE ANY DIMENSIONS MEASURED FROM ELECTRONIC DRAWING FILES.

UNLESS NOTED OTHERWISE, CENTERLINE OF FLOOR FRAMING ELEMENTS COINCIDES WITH COLUMN CENTERLINES, AND FRAMING ELEMENTS ARE EQUALLY SPACED BETWEEN ADJACENT COLUMN CENTERLINES.

MAJOR OPENING LOCATIONS AND SIZES ARE INDICATED ON THE STRUCTURAL DRAWINGS - SMALLER OPENINGS AND SLEEVES REQUIRED TO ACCOMMODATE VARIOUS BUILDING SERVICES MAY NOT BE NOTED. CONTRACTOR TO VERIFY THE SIZE AND LOCATION OF ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING OPENINGS, INCLUDING CLEARANCE REQUIREMENTS CONTAINED IN THE RESPECTIVE DISCIPLINE DOCUMENTS FOR INSTALLATION AND IN-PLACE OPERATION OF THE RESPECTIVE EQUIPMENT OR ITEMS. UNDER NO CIRCUMSTANCES MAY PENETRATIONS BE MADE IN ANY STRUCTURAL ELEMENT AFTER FINAL PLACEMENT IN THE BUILDING STRUCTURE, WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

CONSULT ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND MANUFACTURERS SPEC SHEETS FOR LOCATIONS AND DIMENSIONS OF PANS, CURBS, EQUIPMENT SUPPORTS, DEPRESSIONS, INSERTS, DRIPS, REGLETS, REVEALS, FINISHES AND OTHER MISCELLANEOUS PROJECT REQUIREMENTS THAT NECESSITATE INCIDENTAL ACCOMMODATION BY THE BUILDING STRUCTURE BUT ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

THE STRUCTURE HAS BEEN DESIGNED AS UNRESTRAINED FOR THE PURPOSE OF FIRE RATING AND FIREPROOFING ASSEMBLY EVALUATIONS.

STRUCTURAL COMPONENTS HAVE NOT BEEN DESIGNED FOR VIBRATORY EQUIPMENT UNLESS NOTED OTHERWISE. PLACE VIBRATORY EQUIPMENT AND EQUIPMENT SENSITIVE TO VIBRATIONS ON VIBRATION ISOLATORS SPECIFICALLY DESIGNED FOR THE EQUIPMENT.

LATERAL BRACING FOR NON-STRUCTURAL ELEMENTS DESIGNED AND DETAILED BY COMPONENT SUPPLIERS SHALL BE DESIGNED TO APPLY LOADS DIRECTLY TO FLOOR OR ROOF DIAPHRAGMS. BRACES SHALL NOT ATTACH DIRECTLY TO BOTTOM FLANGES OF BEAMS OR BOTTOM CHORDS OF JOISTS UNLESS THE COMPONENT SUPPLIER PROVIDES ADDITIONAL BRACING FROM THOSE ELEMENTS TO THE FLOOR OR ROOF DIAPHRAGM AT EACH ATTACHMENT POINT.

HOLES, NOTCHES, BLOCK-OUTS AND OTHER SIMILAR FIELD MODIFICATIONS TO STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED SHOP DRAWINGS ARE NOT PERMITTED.

DESIGN, DETAILING, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AISC 360 (10), THE CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AISC 303 (05) (10) AND THE STEEL CONSTRUCTION MANUAL (THIRTEENTH) [FOURTEENTH] EDITION.

TYPICAL DETAILS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILING OF CONNECTIONS. THEY ARE NOT INTENDED TO CONVEY COMPLETE INFORMATION CONCERNING SIZE AND QUANTITY OF CONNECTORS, PLATES, ANGLES, WELDS AND SIMILAR ITEMS THAT ARE DEVELOPED THROUGH THE DESIGN OF AN INDIVIDUAL CONNECTION FOR A SPECIFIC SET OF LOADS AND COMBINATIONS. DETAILS THAT CONVEY SPECIFIC COMPONENT INFORMATION ESTABLISH MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO CONVEY A COMPLETE DESIGN UNLESS NOTED.

UNLESS OTHERWISE NOTED, ALL STEEL TO STEEL FRAMING HAS BEEN SELECTED ASSUMING ATTACHMENTS FOR SHEAR ONLY, USING DOUBLE ANGLE OR DOUBLE BENT PLATE CONNECTIONS SHOP WELDED TO FRAMING MEMBER AND FIELD BOLTED TO SUPPORTING MEMBER WITH HIGH STRENGTH BOLTS IN BEARING. CONNECTIONS SHALL BE SYMMETRICAL ABOUT THE BEAM WEB. FABRICATORS PROPOSING TO USE ALTERNATIVE METHODS OF ATTACHMENT NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS SHALL SUBMIT ALTERNATIVE FOR CONSIDERATION DURING BIDDING, AND SHALL BEAR ALL COSTS ASSOCIATED WITH REVIEW, ENGINEERING REDESIGN, AND APPROVAL OF ALTERNATIVE CONNECTIONS.

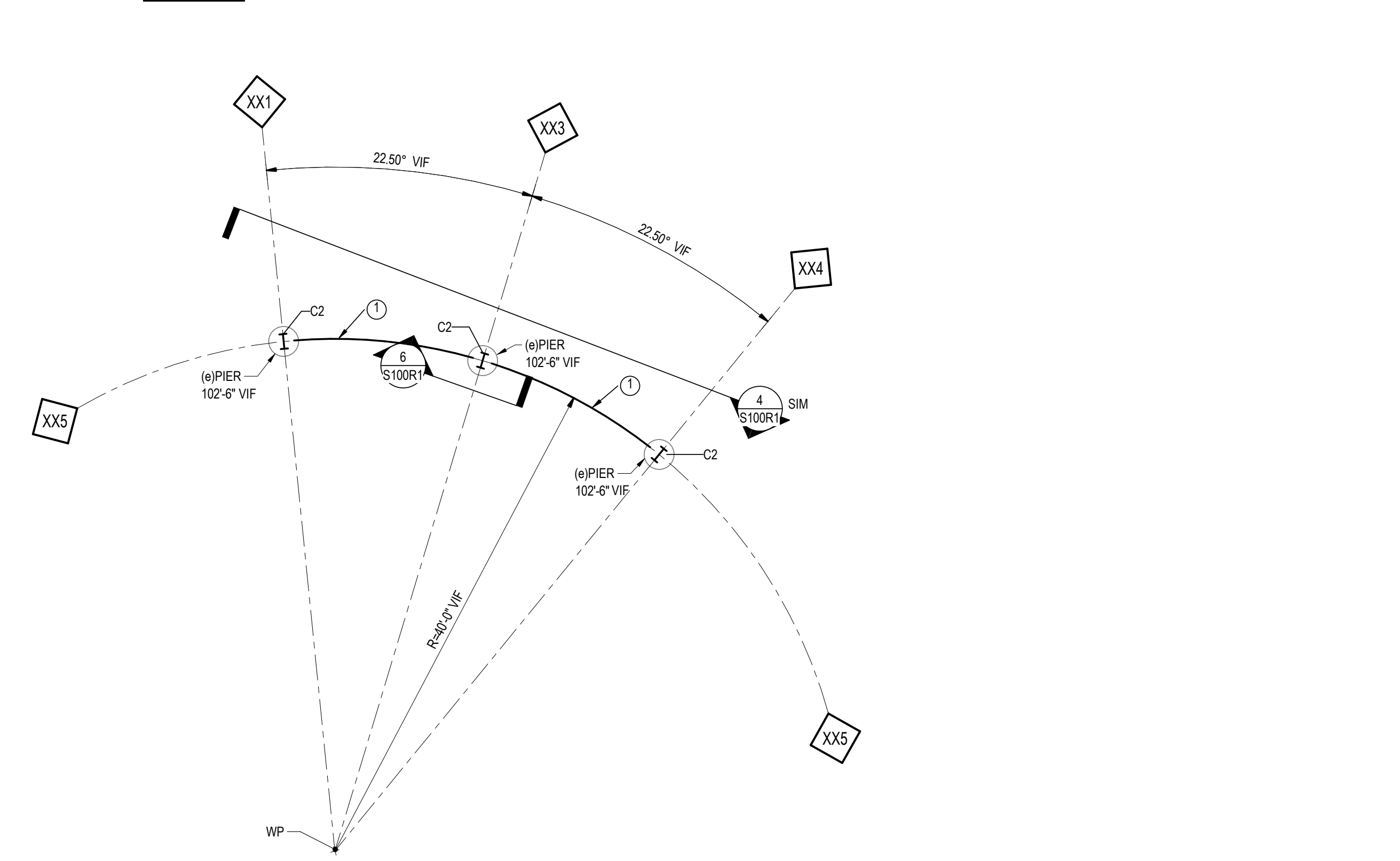
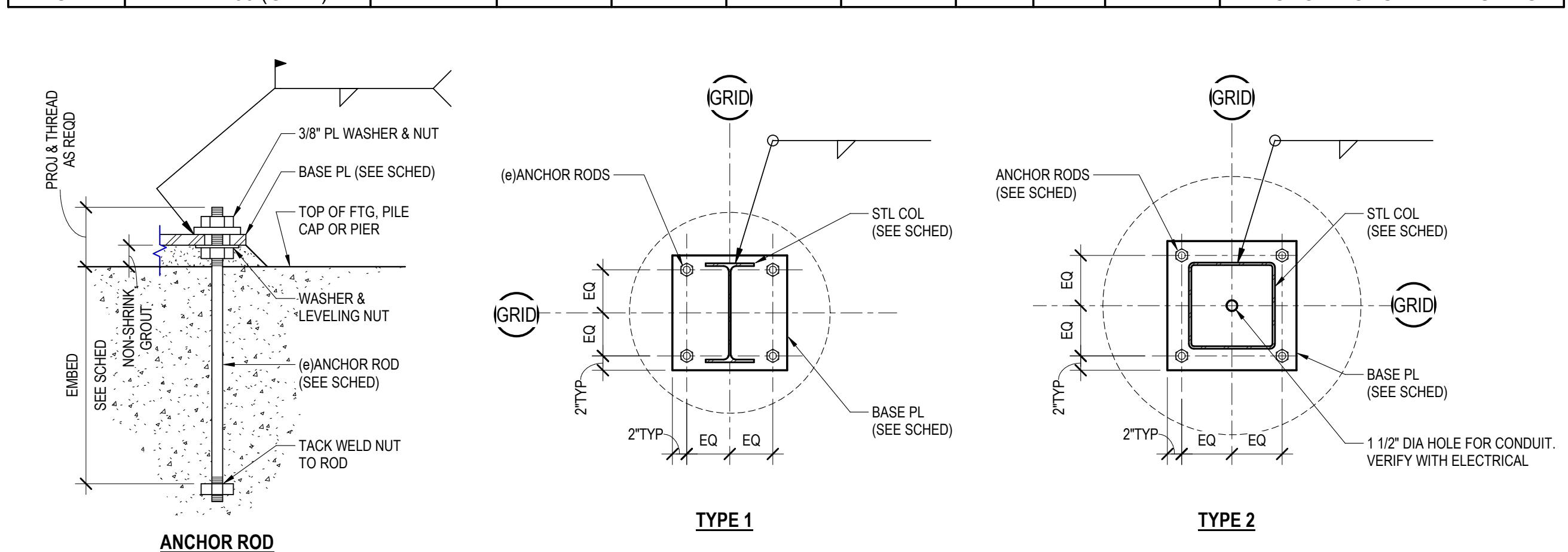
SINGLE PLATE SHEAR TAB CONNECTIONS MAY BE USED IN LIEU OF DOUBLE ANGLE OR DOUBLE BENT PLATE CONNECTIONS WHERE SPECIFICALLY NOTED ON DRAWINGS OR WHERE CONNECTION OF FRAMING MEMBER TO ONE SIDE OF A SUPPORT MEMBER IS MATCHED BY A SIMILAR CONNECTION ON THE OPPOSITE SIDE OF THE SAME SUPPORT MEMBER, AND WHERE BEAM SPANS DO NOT DIFFER BY MORE THAN 50% OF THE LARGER SPAN. SINGLE PLATE SHEAR TABS MAY NOT BE USED FOR CONNECTION OF FRAMING MEMBERS TO COLUMNS OR TO SPAN/REL (EDGE) SUPPORT MEMBERS UNLESS SPECIFICALLY DETAILED ON DRAWINGS.

CONNECTIONS FOR ALL STRUCTURAL STEEL BEAMS AND GIRDERS NOT SHOWN OR COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF WISCONSIN AND RETAINED BY THE FABRICATOR, USING THE REACTIONS SHOWN. IF NO REACTION IS SHOWN, BEAM CONNECTIONS SHALL BE DESIGNED FOR 50% OF THE TOTAL UNIFORM LOAD CAPACITY FOR THE GIVEN MEMBER SIZE, SPAN AND GRADE OF STEEL. FOR COMPOSITE, BEAMS THE VALUE CALCULATED ABOVE SHALL BE MULTIPLIED BY THE FACTOR IN THE TABLE BELOW. IN NO CASE SHALL A CONNECTION BE DESIGNED FOR A REACTION LESS THAN 12 KIPS, OR SHALL A CONNECTION USE LESS THAN 2 BOLTS OR 3/16 FILLET WELDS.

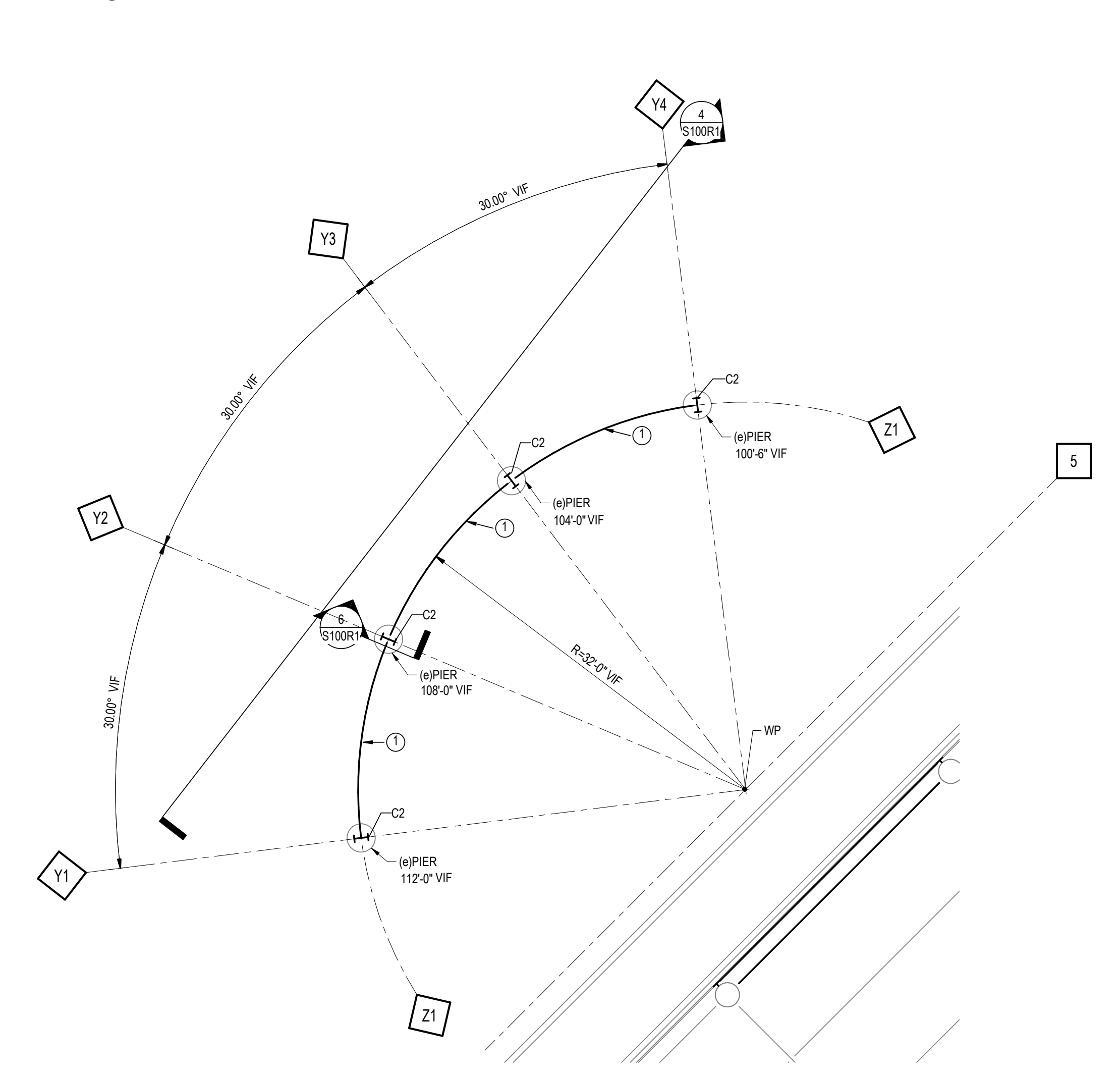
BEAM SIZE	MULTIPLIER	BEAM SIZE	MULTIPLIER	BEAM SIZE	MULTIPLIER
W8	2.0	W16	2.0	W27	1.2
W10	2.0	W18	1.8	W30	1.15
W12	2.0	W21	1.6	W33	1.10
W14	2.0	W24	1.4	W36	1.10

REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STRUCTURAL STEEL NOT NOTED ON STRUCTURAL DRAWINGS.

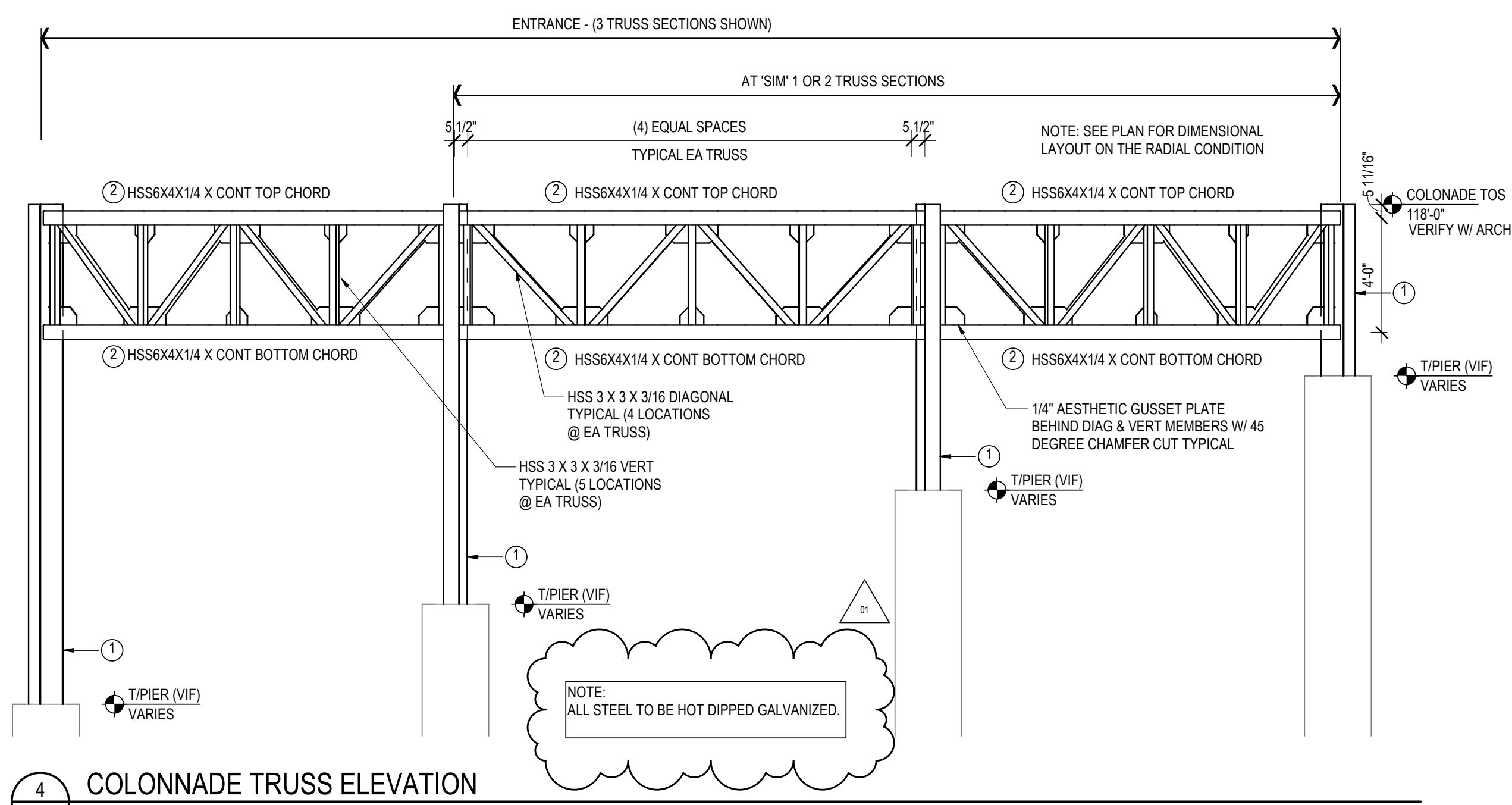
STEEL COLUMN SCHEDULE											
MARK	SIZE	THICKNESS	BASE PLATE			GROUT	ANCHORS			COMMENTS	
			WIDTH	LENGTH	TYPE		QTY	DIA	EMBED		
C1	HSS12X12X3/8 (GALV)	1 1/2"	1'-6"	1'-6"	2	2"	4	1 1/4"	1'-6"	GRADE 55	
C2	W14 X 30 (GALV)	1 1/2"	1'-4"	1'-4"	1	2"	4	1"	1'-4"	ANCHOR RODS ARE EXISTING	



1 CONFERENCE CENTER COLONNADE
SCALE: 1/8" = 1'-0"
CONFERENCE CENTER KEY NOTES
1 BUILT UP TRUSS, REFER TO ELEVATION
VERIFY ALL GEOMETRY AND ELEVATIONS BEFORE FABRICATION

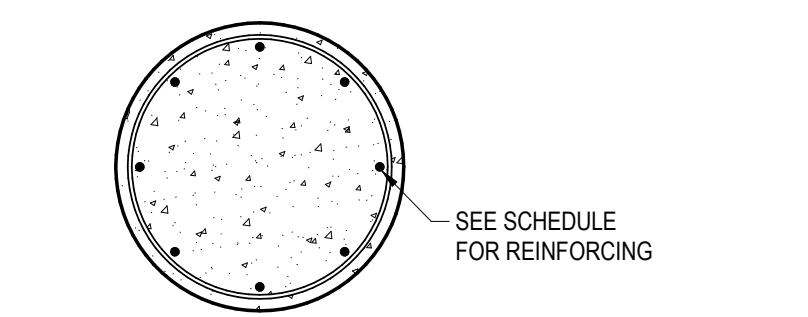


2 ENTRANCE COLONNADE
SCALE: 1/8" = 1'-0"
COLONNADE ENTRANCE KEY NOTES
1 BUILT UP TRUSS, REFER TO ELEVATION
VERIFY ALL GEOMETRY AND ELEVATIONS BEFORE FABRICATION

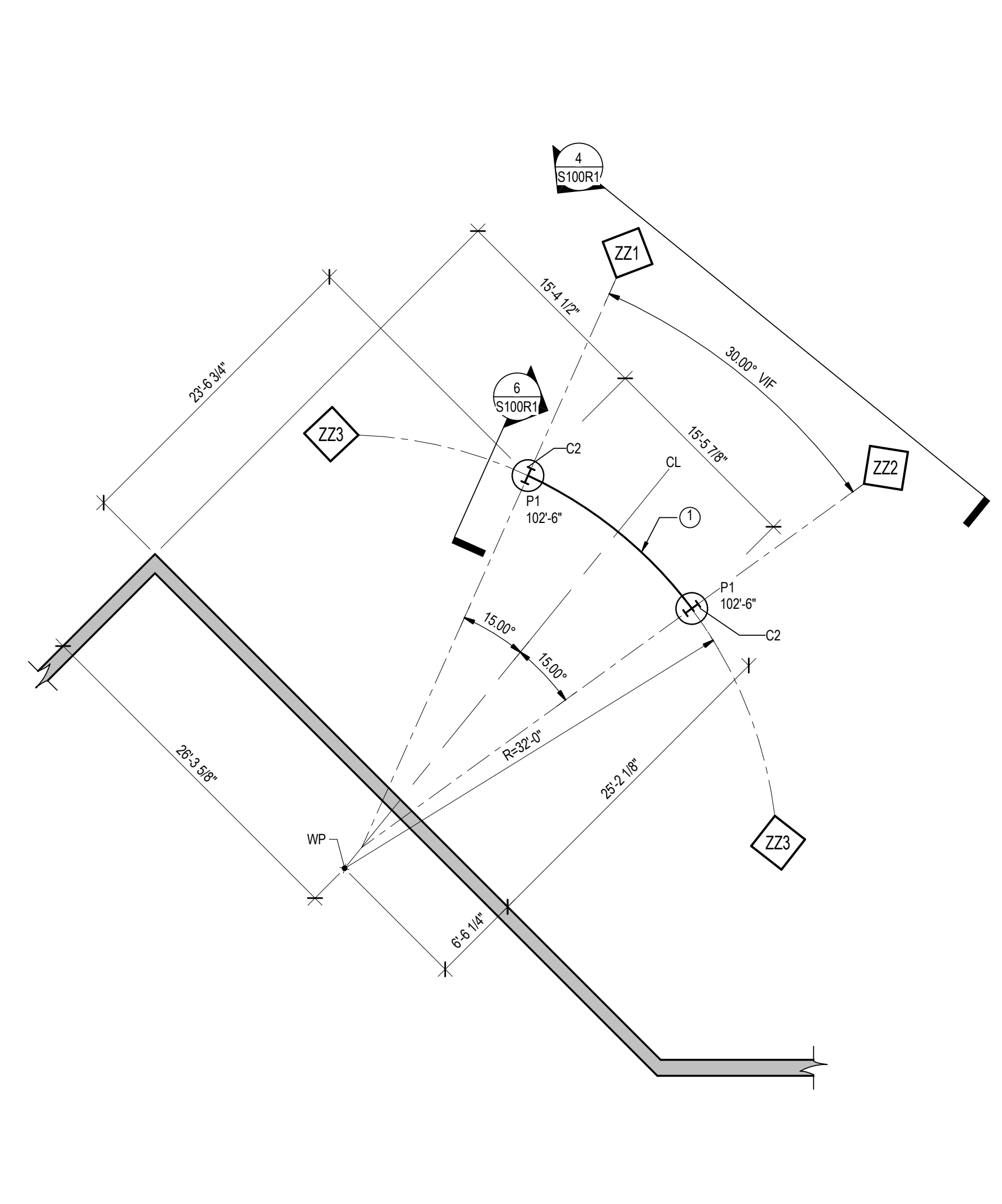


4 COLONNADE TRUSS ELEVATION
SCALE: 1/4" = 1'-0"
COLONNADE ENTRANCE KEY NOTES
1 CONTRACTOR TO SURVEY PIERS FOR LOCATION AND ELEVATION, INCLUDING AB ORIENTATION, TO VERIFY BEFORE FABRICATION
2 TOP AND BOTTOM CHORDS ROLLED TO RADIUS INDICATED IN LAYOUT PLAN TO BE VERIFIED; WEBS CAN BE STRAIGHT MEMBERS.

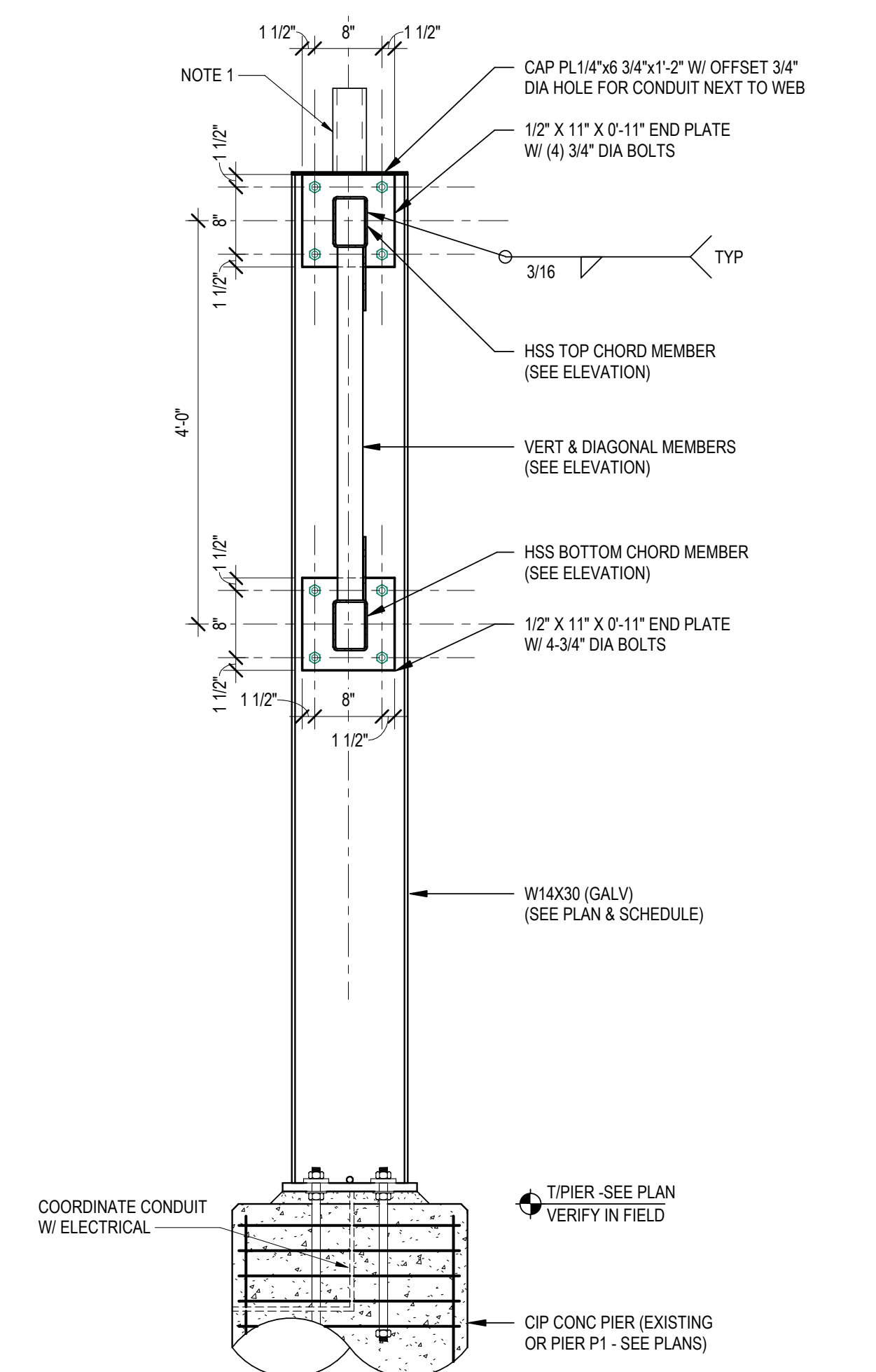
CONCRETE PIER SCHEDULE				
MARK	SIZE	VERT	TIES	BOTTOM OF PIER
P1	28" DIA	(8) #6	#4 AT 12" OC (#5 AT 3' AT TOP)	6'-6" BELOW GRADE
P2	36" DIA	(8) #8	#4 AT 12" OC (#5 AT 3' AT TOP)	6'-6" BELOW GRADE
P3	24" DIA	(6) #6	#4 AT 12" OC (#5 AT 3' AT TOP)	SEE 8/S200



5 P1, P2 DETAIL
SCALE: 1/2" = 1'-0"
SEE SCHEDULE FOR REINFORCING



3 STUDENT ENTRANCE COLONNADE
SCALE: 1/8" = 1'-0"
COLONNADE ENTRANCE KEY NOTES
1 BUILT UP TRUSS, REFER TO ELEVATION
VERIFY ALL GEOMETRY AND ELEVATIONS BEFORE FABRICATION

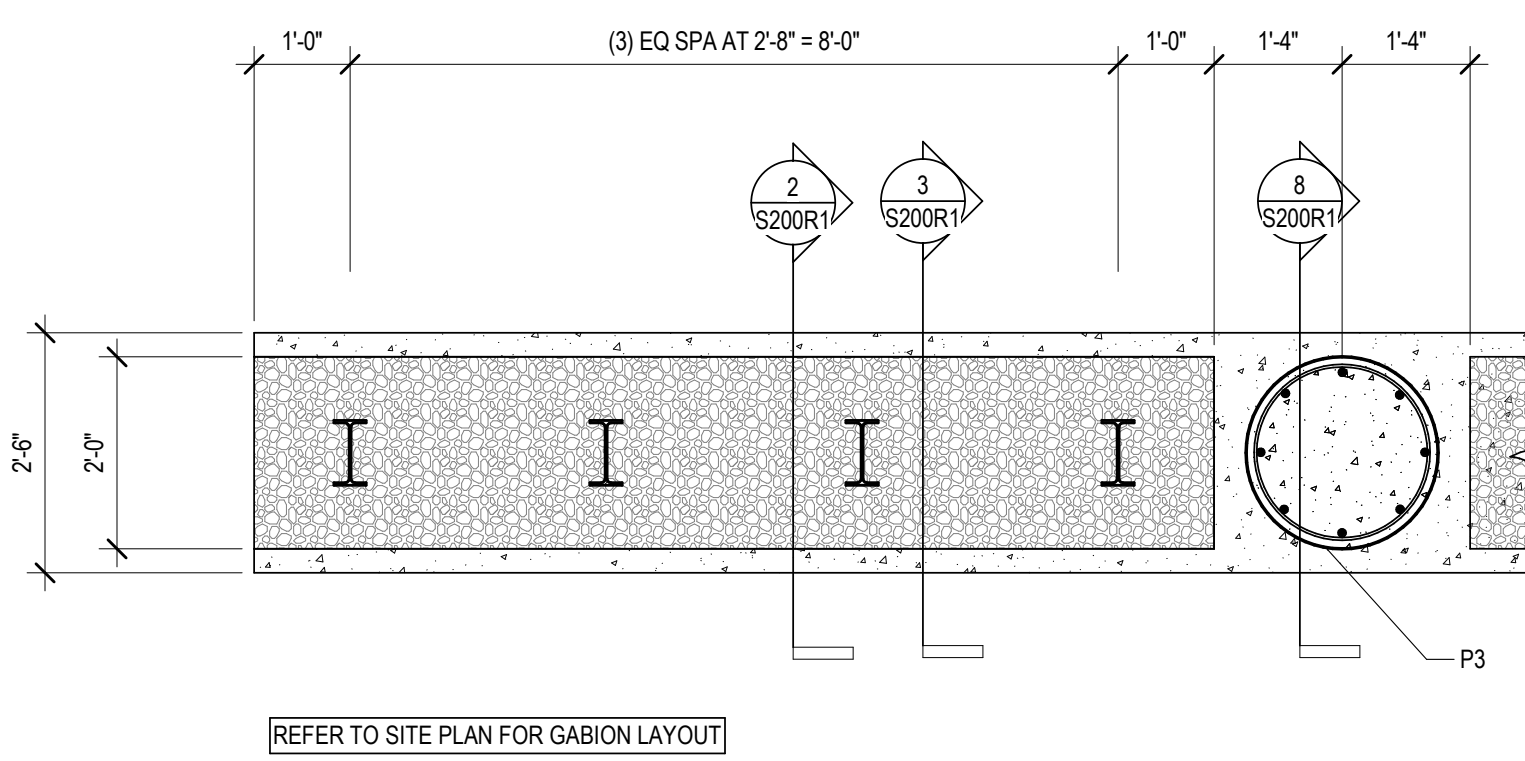


6 SECTION/DETAIL
SCALE: 3/4" = 1'-0"
NOTES:
1 ALUMINUM PLATE W/ 4 PPS BOLTS TO CAP PLATE REFER TO 8/S200 COORDINATE CONNECTION W/ FIXTURE SUPPLIER.
2 ALL STEEL TO BE HOT DIPPED GALVANIZED.

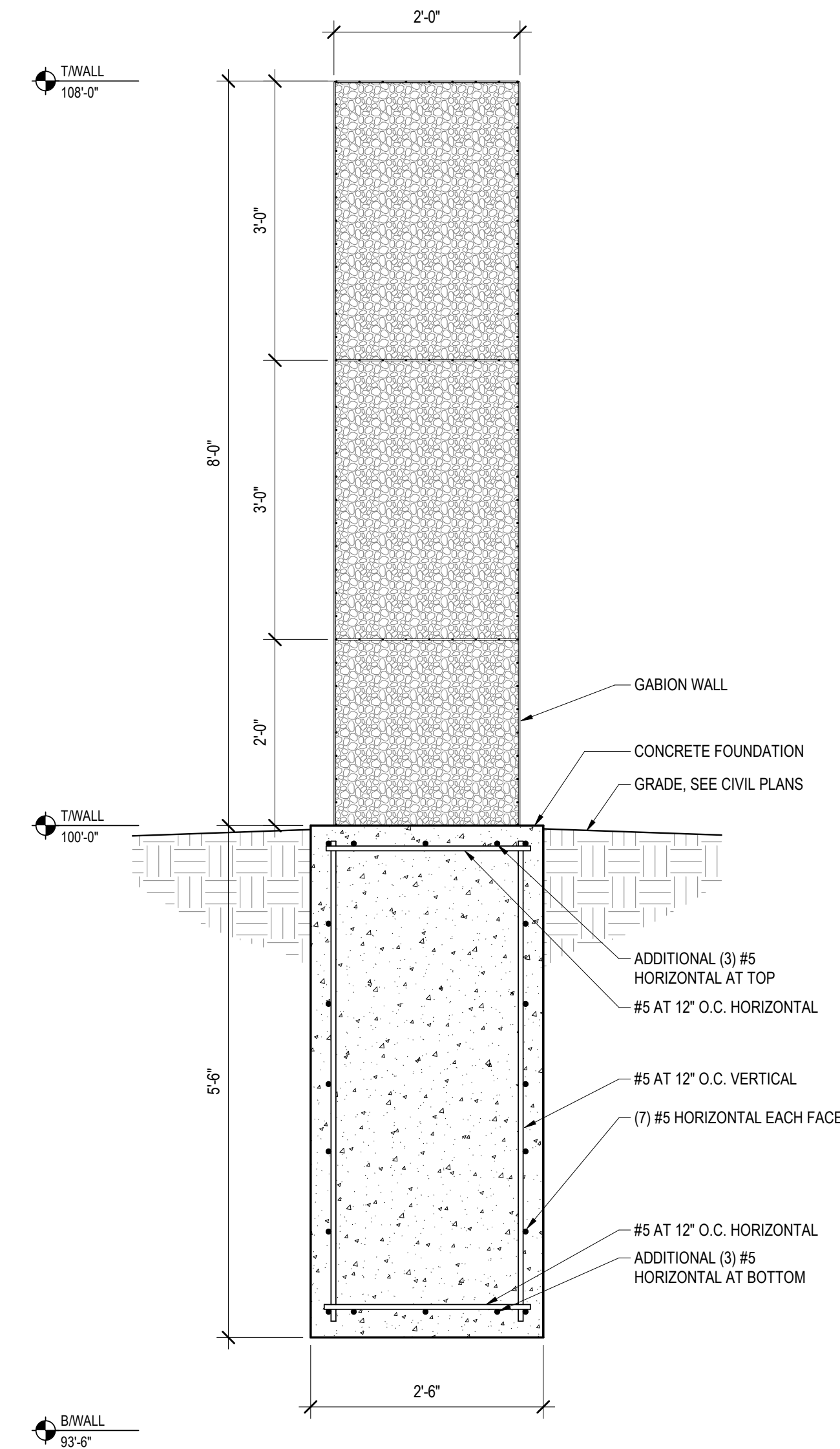
No.	Description	Date
01	ADDENDUM 1	3/7/2019

GABION NOTES:

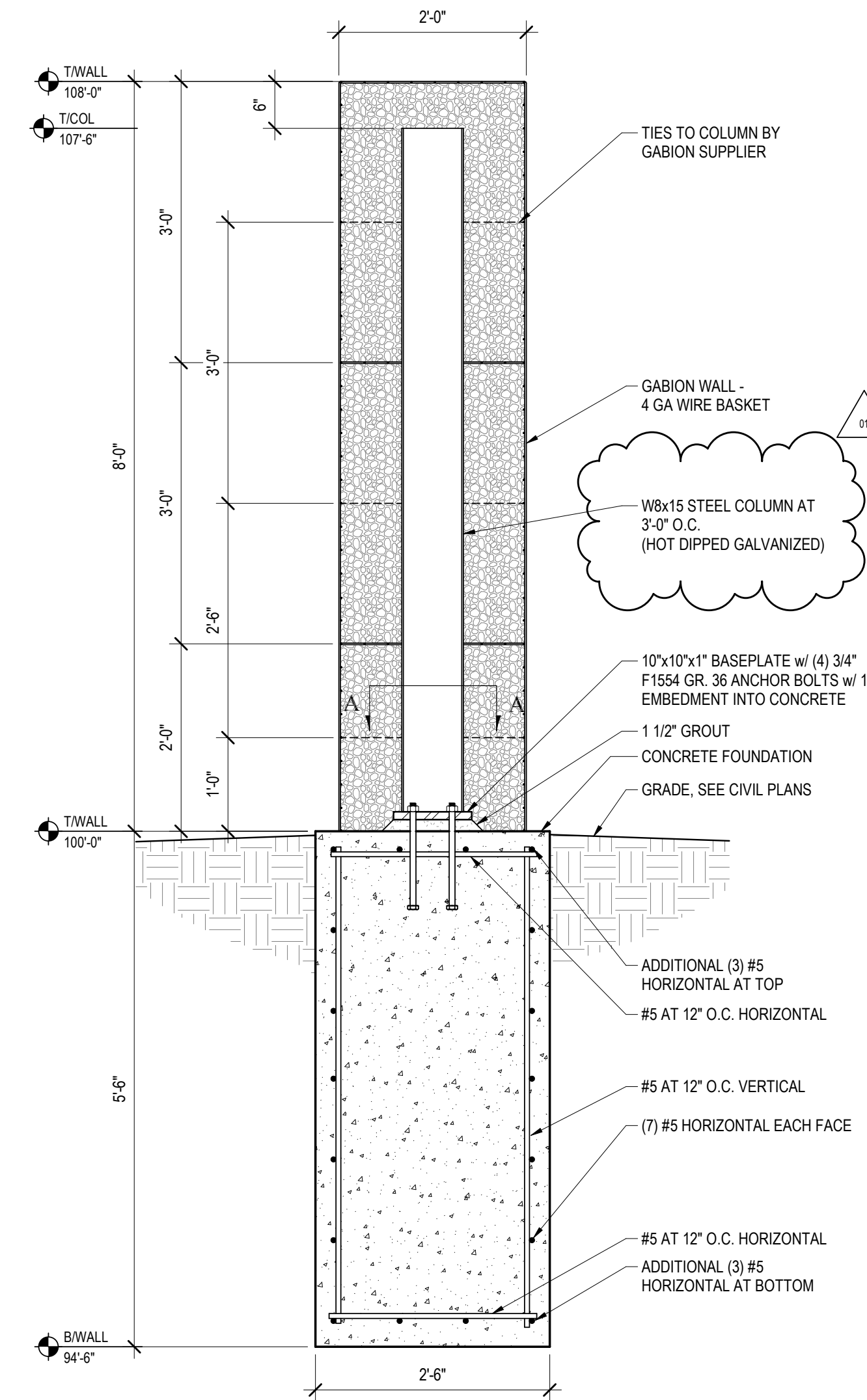
- 4 GA MINIMUM WELDED BASKETS, NOT WOVEN
- TIES TO COLUMN TO BE 4 GA WIRE TIGHTLY WRAPPED FROM 2 SIDES MINIMUM
- ROCKS PLACED IN BASKETS SET TIGHT AND SITUATED TO FILL WEBS OF POSTS
- INSTALLER TO SUPPLY SHOP DRAWINGS
- INSTALLER TO HAVE MINIMUM 5 YR EXPERIENCE W/ GABIONS, AND 5 PROJECTS OF SIMILAR SIZE OR LARGER



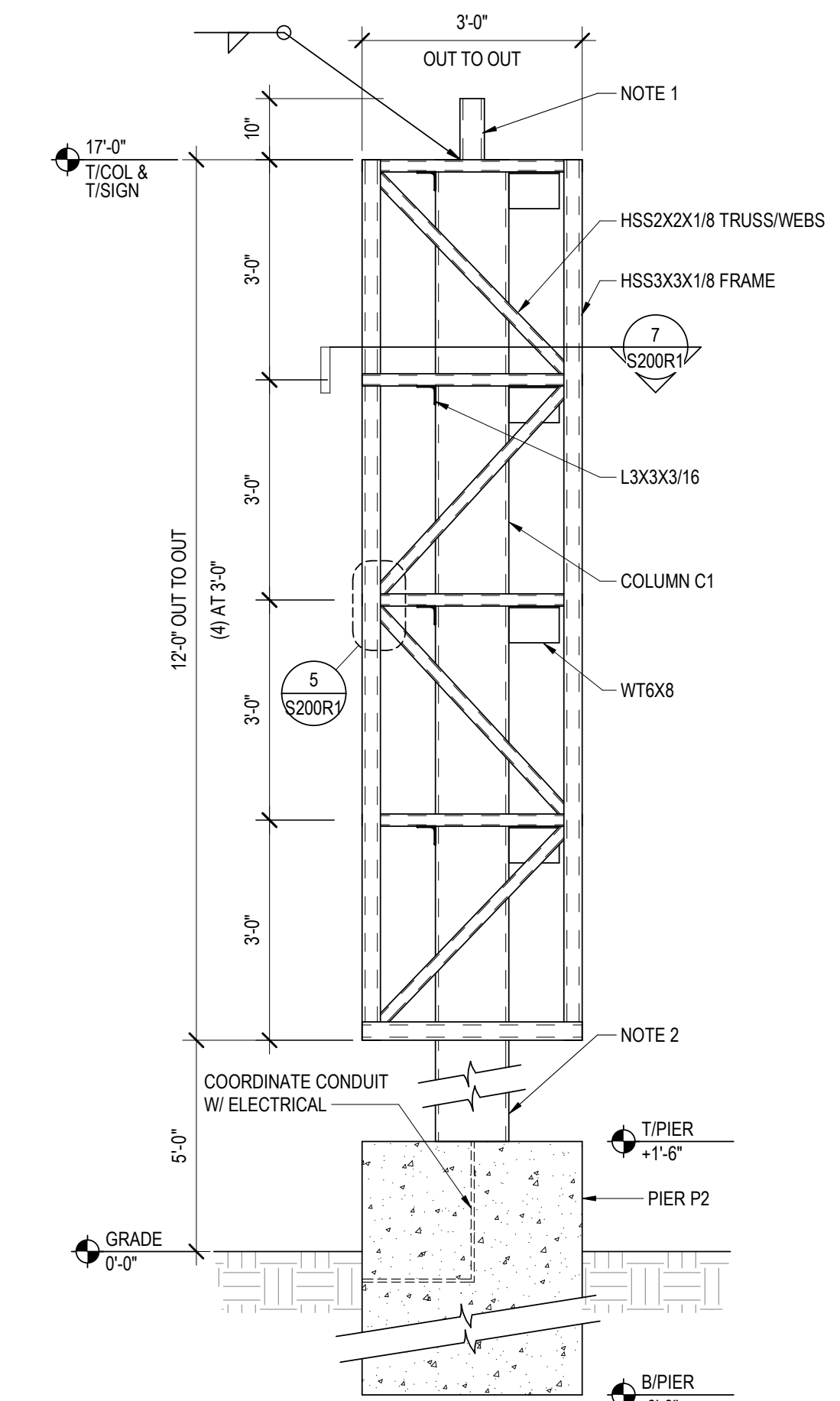
1 GABION WALL SEGMENT
SCALE: 1/2" = 1'-0"



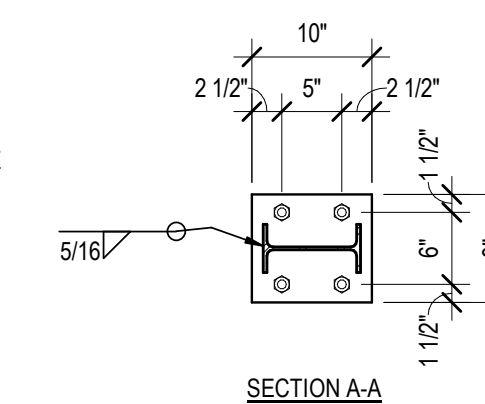
2 GABION WALL DETAIL
SCALE: 3/4" = 1'-0"



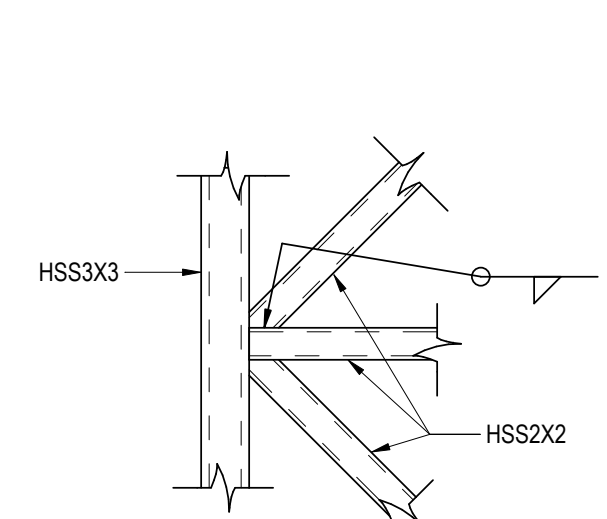
3 GABION WALL AT COLUMN
SCALE: 3/4" = 1'-0"



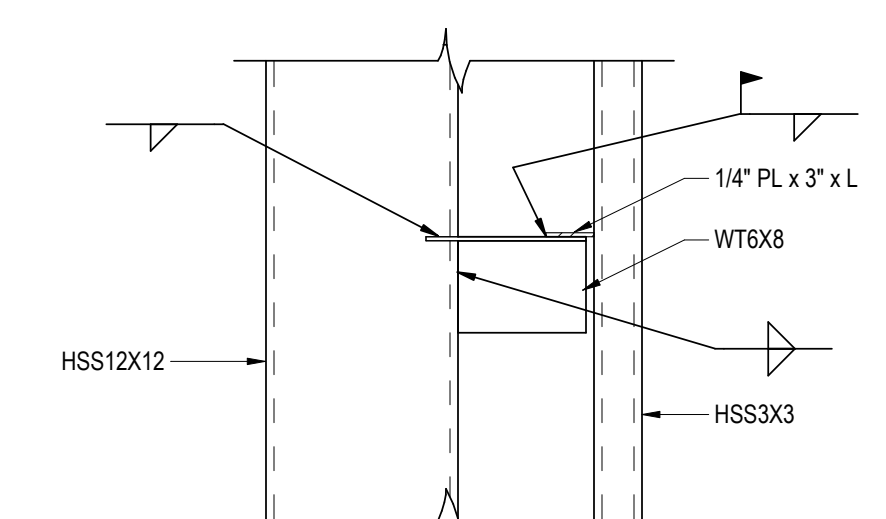
4 SIGNAGE PYLON
SCALE: 1/2" = 1'-0"



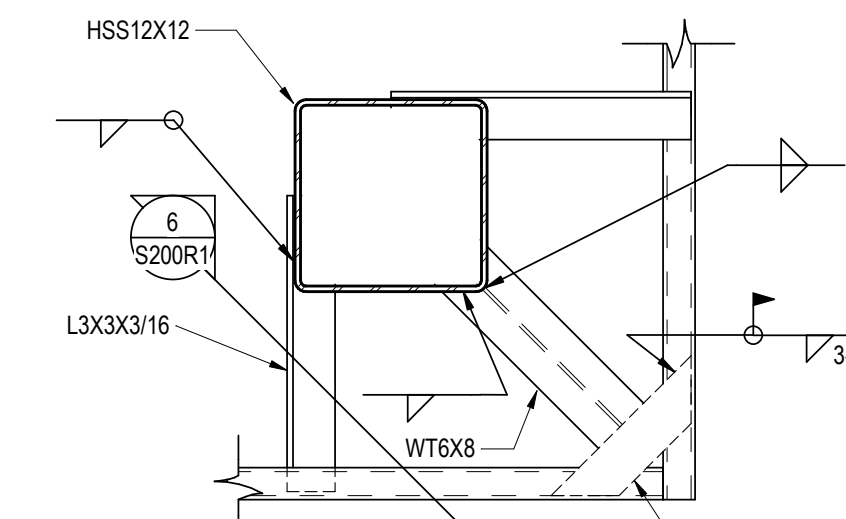
9 PLATE DETAIL
SCALE: 1 1/2" = 1'-0"



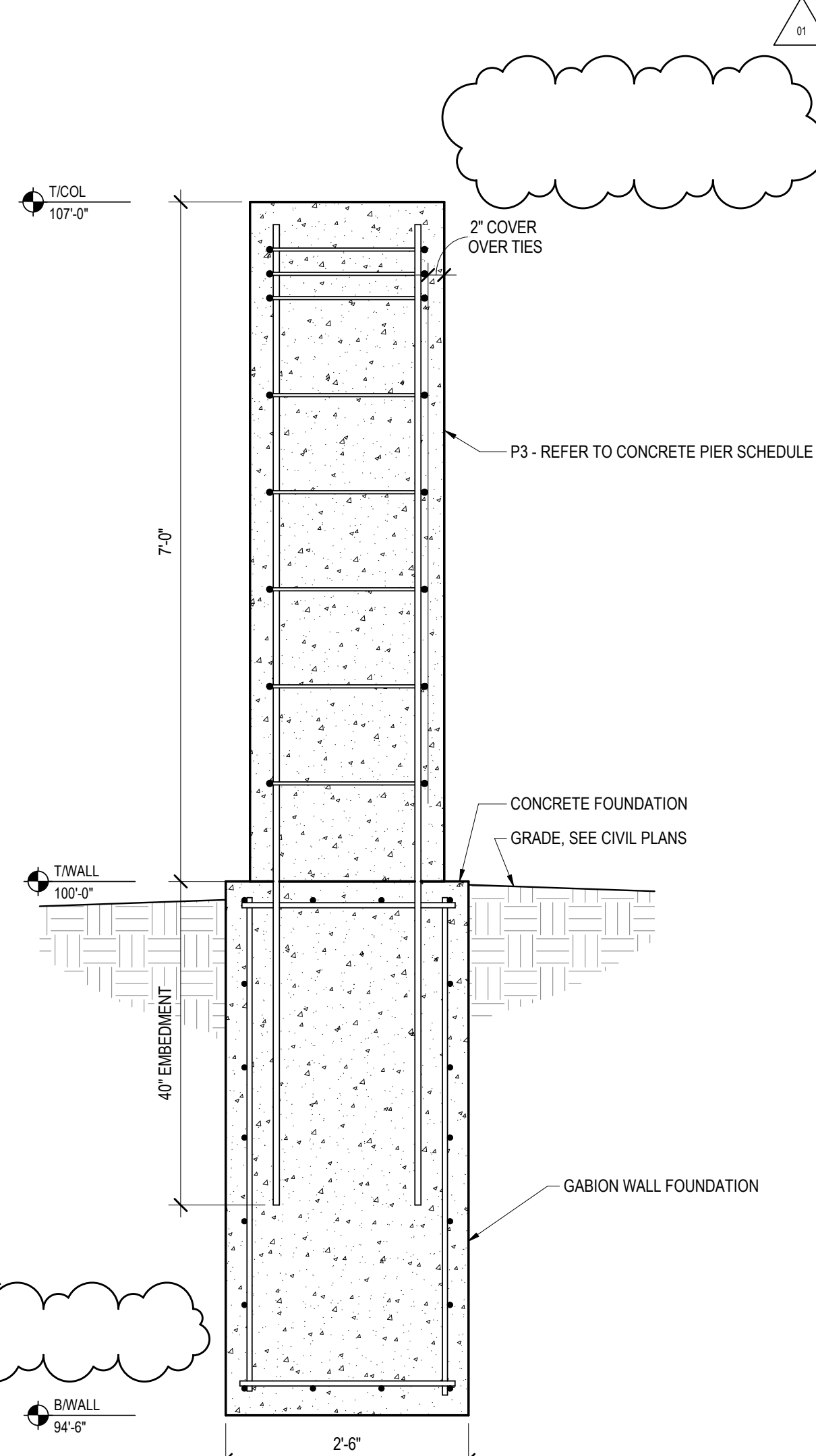
5 SIGNAGE PYLON DETAIL
SCALE: 1" = 1'-0"



6 SIGNAGE PYLON DETAIL
SCALE: 1" = 1'-0"



7 SIGNAGE PYLON DETAIL
SCALE: 1" = 1'-0"



8 CONCRETE PIER ON GABION FOUNDATION
SCALE: 3/4" = 1'-0"

No.	Description	Date
01	ADDENDUM 1	3/7/2019