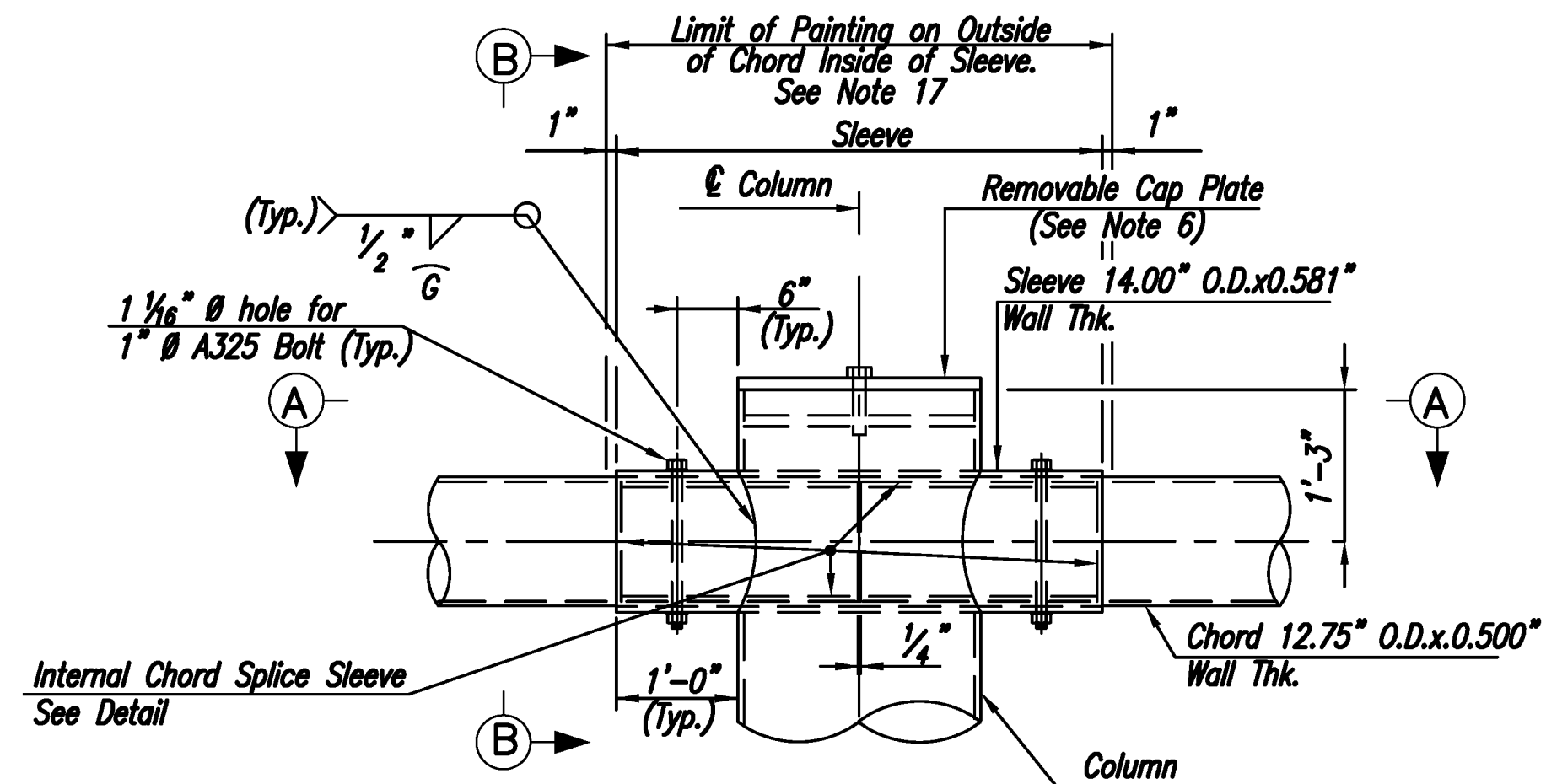
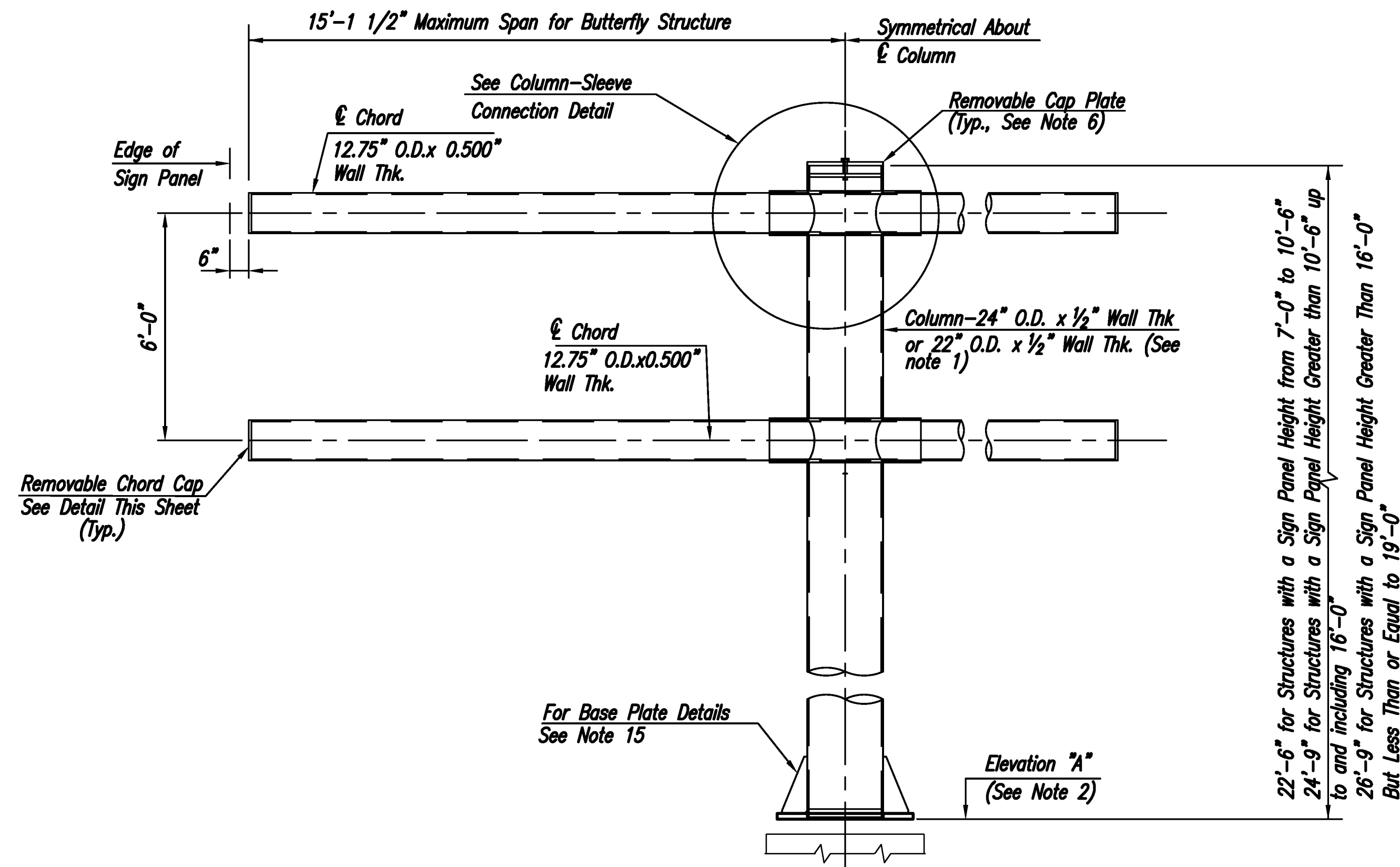


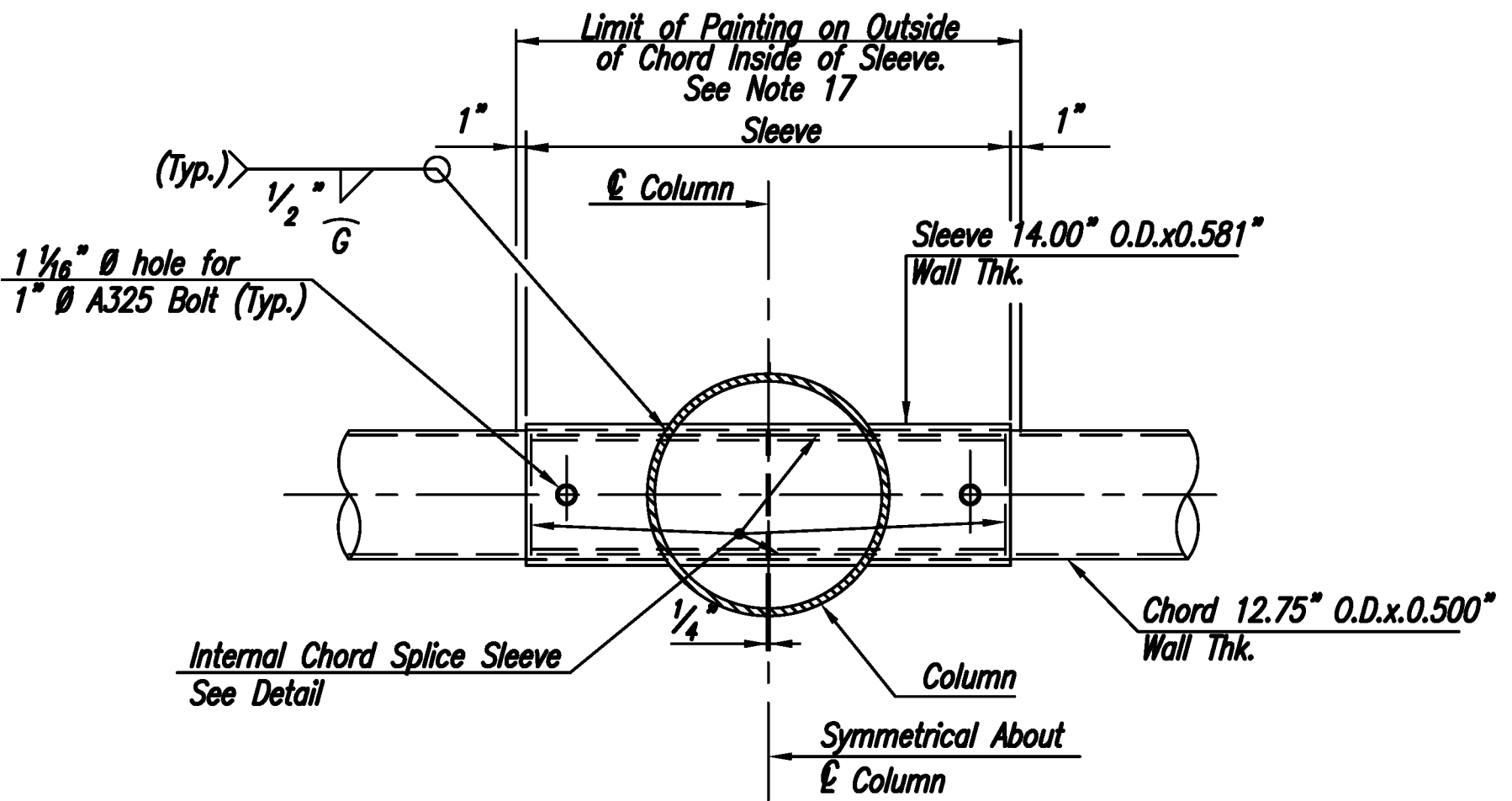
PLAN
3/8"=1'-0"



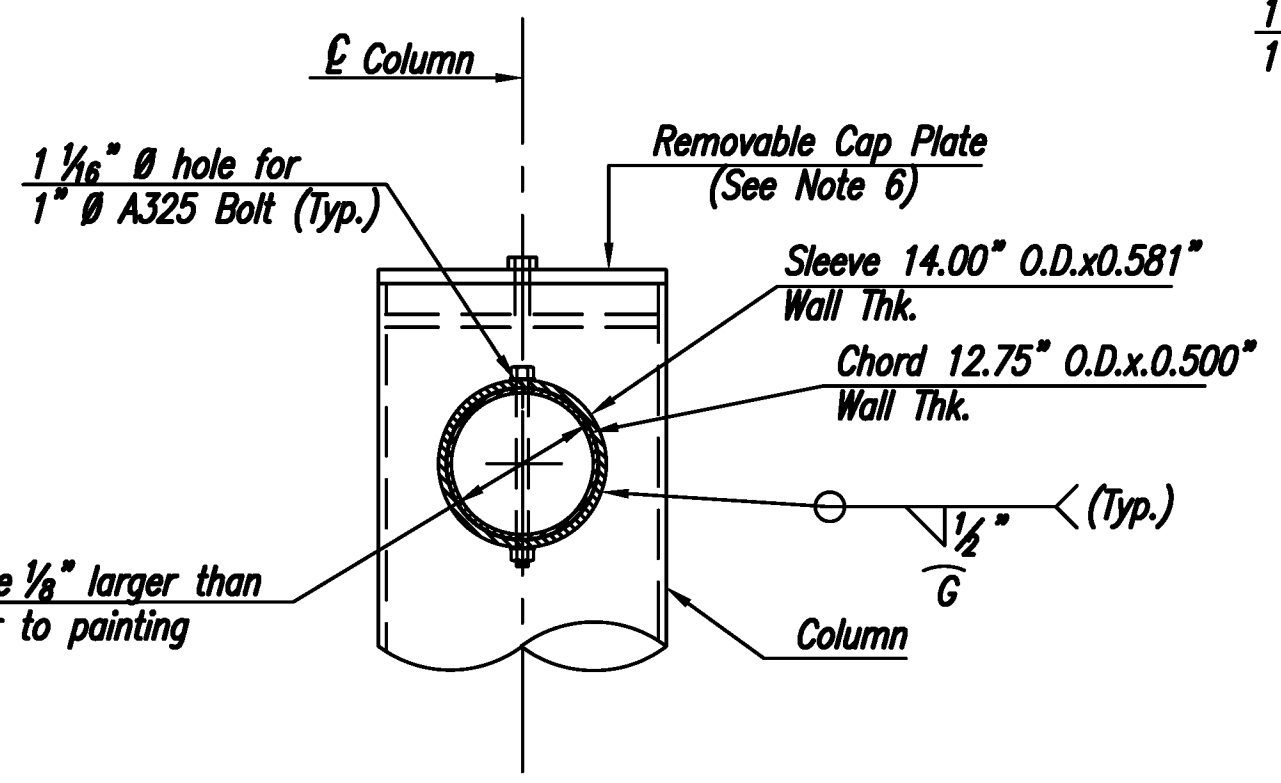
COLUMN-SLEEVE CONNECTION DETAIL
3/4"=1'-0"



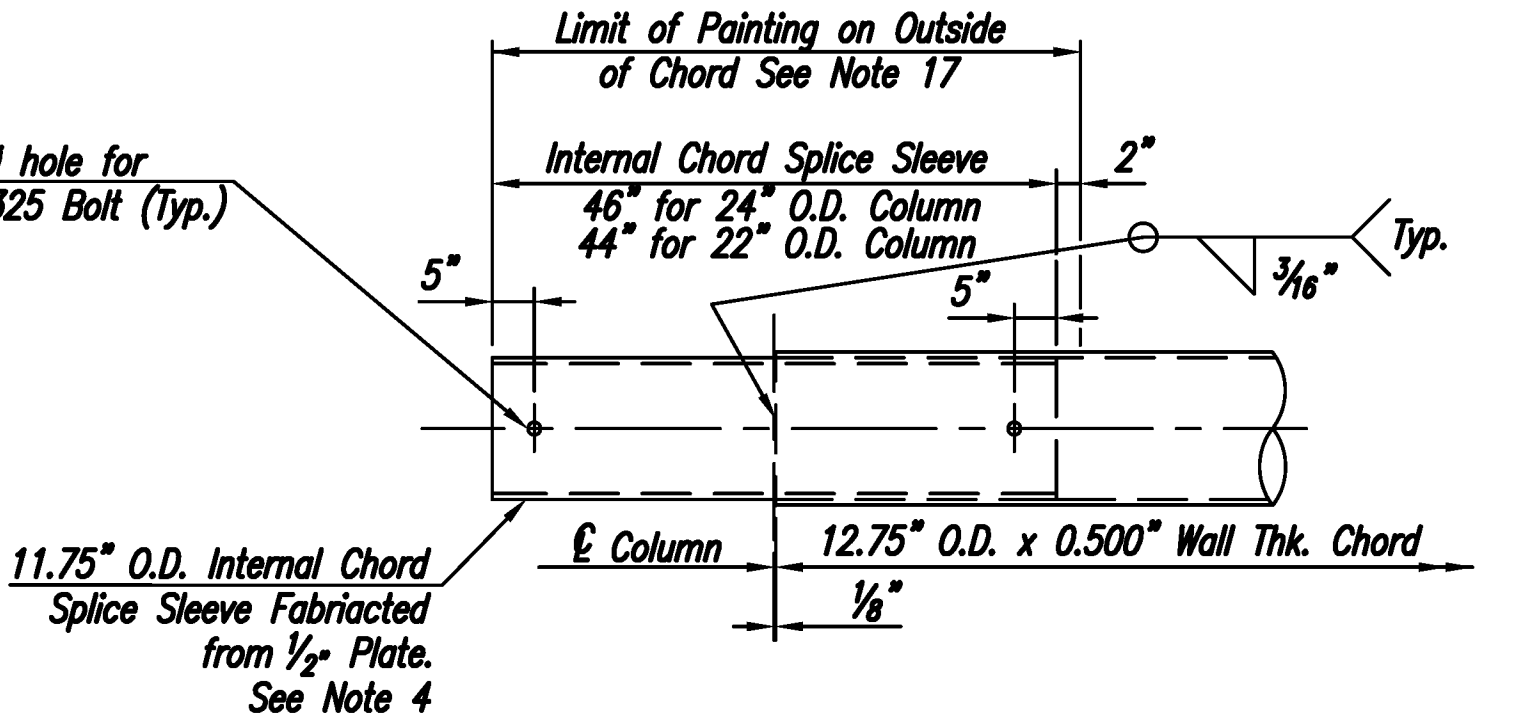
ELEVATION
3/8"=1'-0"



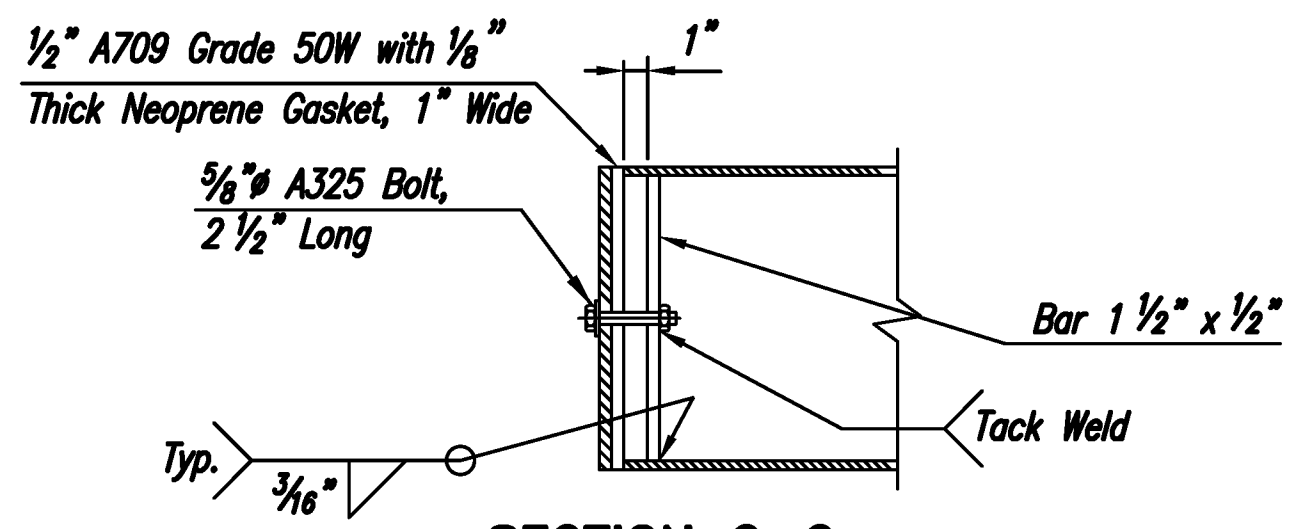
SECTION A-A
3/4"=1'-0"



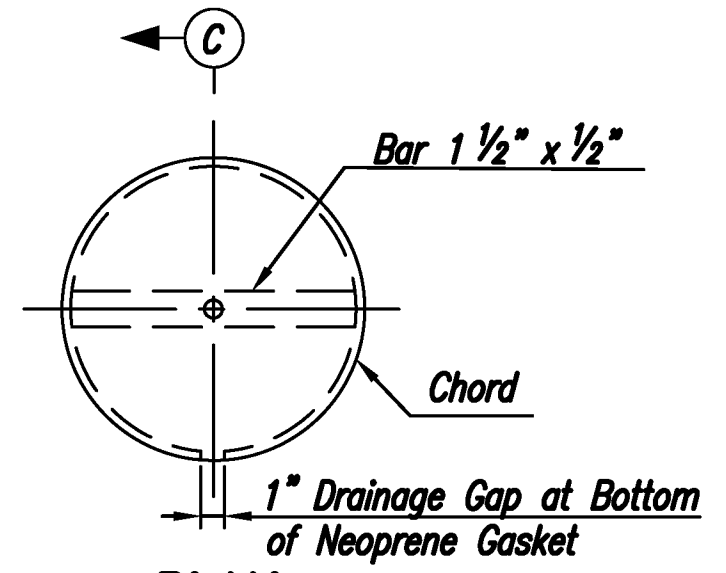
SECTION B-B
3/4"=1'-0"



INTERNAL CHORD SPLICE SLEEVE DETAIL
3/4"=1'-0"



SECTION C-C

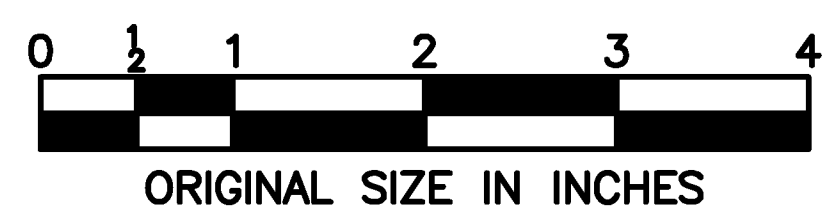


PLAN

REMOVABLE CHORD CAP DETAILS
N.T.S.

NOTES:

1. Sign support structures shall conform to Section 406.
2. Elevation "A" shall be 4'-0" Min. above the high point of the roadway cross section beneath the limits of the bottom chord of the structure.
3. Expanded Metal Fence shall be Amico "Secura Fence" Model # ASF 1.5-9R, Galvanized in Accordance with ASTM A123, and as manufactured by:
Amico
3245 Fayette Avenue
Birmingham, AL 35208
1-800-366-2642
www.amico-securityproducts.com
4. Pipe for sign support structures shall meet the requirements of either ASTM A714 or ASTM A847. As an alternate, cylindrical tubes produced by forming and longitudinally seam welding steel plates conforming to the requirements of ASTM A709, Grade 50W (A588) or ASTM A242 may be used. Only one longitudinal seam weld permissible per post.
5. Structural steel plates and shapes shall conform to the requirements of ASTM A709, Grade 50W, unless otherwise noted.
6. For Removable Cap Details, see Standard Drawing SI-17B.
7. For Anchor Bolt Detail, see Standard Drawing SI-18B.
8. 1" diameter A325 bolts shall be snug tight and an approved thread locking compound shall be used on the threads during assembly.
9. All bolts shall be provided with heavy hexagon nuts and washers.
10. All bolts, nuts and washers shall be ASTM A325, Type 3.
11. Butterfly structures placed on spread footing or driven pile foundations shall feature a 4'-6" x 4'-6" square pedestal unless noted otherwise on the plans. Structures placed on drilled shaft foundations shall feature a cylindrical pedestal of the same diameter as the supporting drilled shaft, unless noted otherwise on the plans. For spread footing and driven pile foundations, see Standard Drawing SI-22. For drilled shaft foundations, see Standard Drawing SI-22B.
12. For butterfly sign structures, the maximum sign area for sign panel heights up to and including 12'-0" shall be 375 Sq.Ft. and for sign panel heights exceeding 12'-0" but less than or equal to 19'-0" shall be 500 Sq.Ft. Any butterfly sign structure exceeding these limitations shall be designed by the Engineer.
13. End posts for butterfly type structures shall be 22" O.D. x 0.500" wall thickness for signs up to and including 12'-0" high, and 24" O.D. x 0.500" wall thickness for signs greater than 12'-0" up to and including 19'-0" high.
15. For Base Plate Details, See Standard Drawing SI-18A
16. Grinding of the inside of the Chord Sleeve may be required to maintain the noted clearance.
17. Painting of the inside of the Chord Sleeve and the outside of the chord shall be in accordance with the NJTA Specifications, Section 411, using Coating System C. Paint color shall conform to Subsection 411.06(G).
18. Fabricate and Install Butterfly Chords with Mill Camber Down



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY NEW JERSEY TURNPIKE	
BUTTERFLY SIGN SUPPORT STRUCTURE DETAILS	
OFFICE OF THE CHIEF ENGINEER WOODBRIDGE, NEW JERSEY	2009 STANDARD DRAWING SI-18C

APP. NO.	DATE	REVISION
	12/09	ORIGINAL DRAWING

CONTRACT NO.

SHEET NO. OF