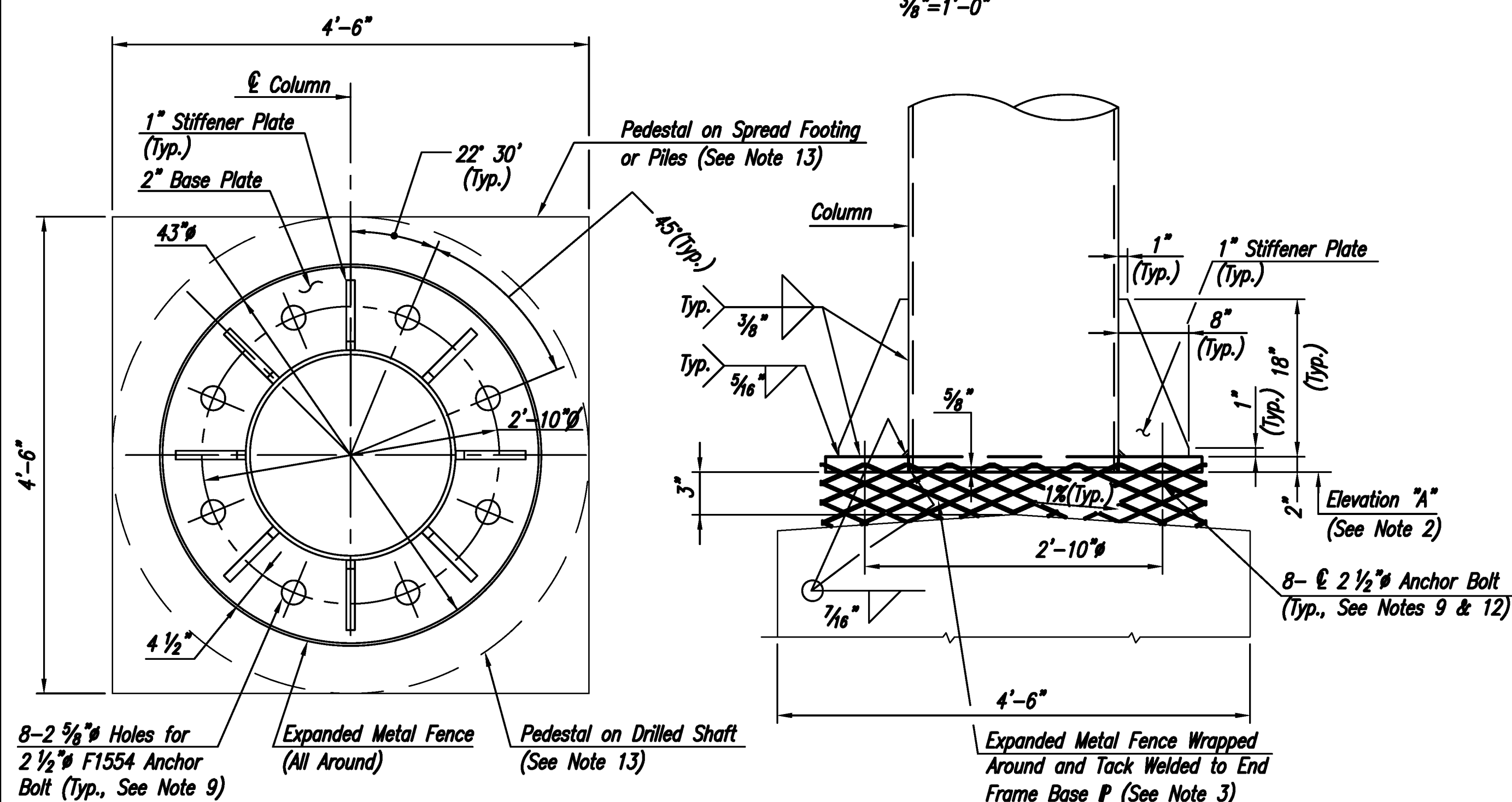
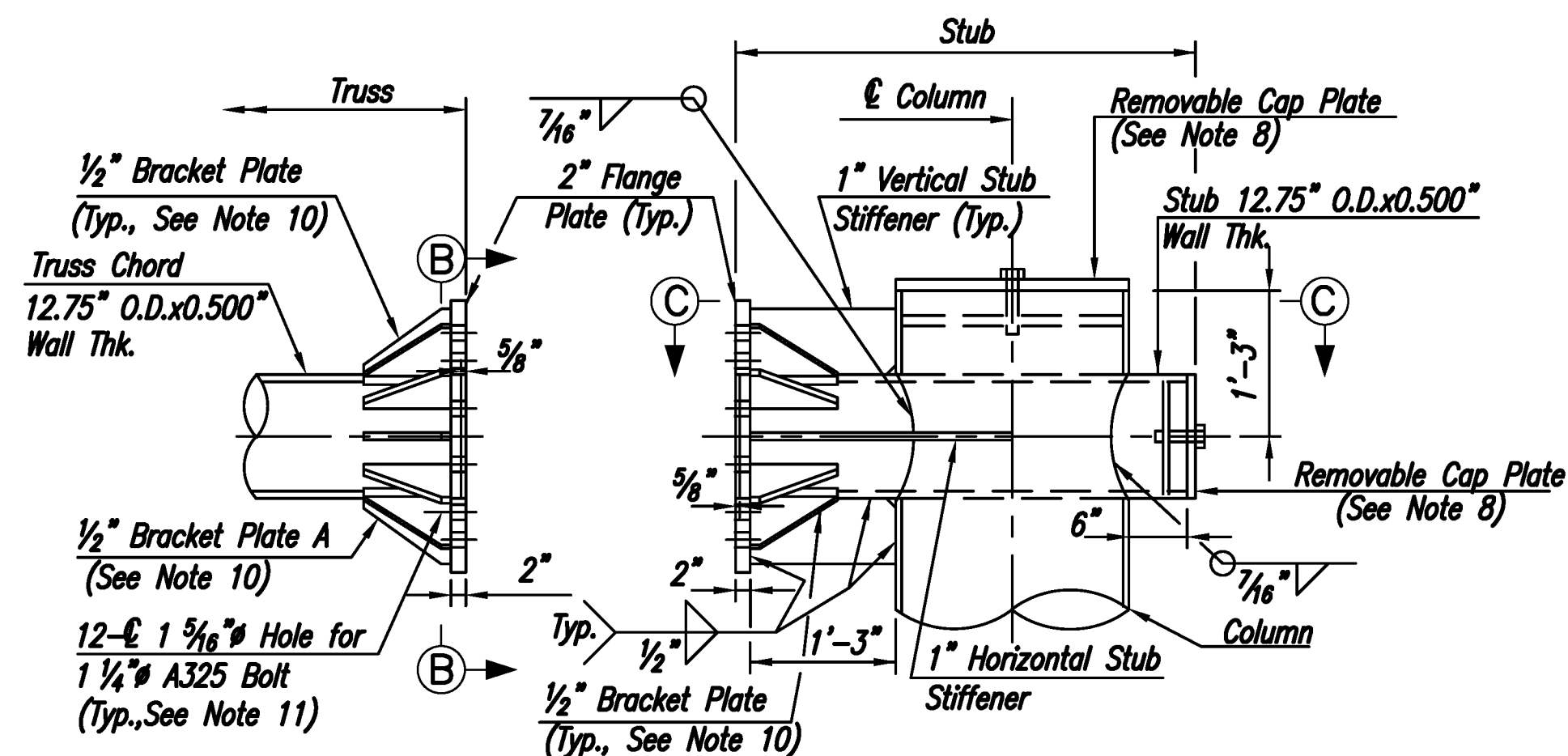
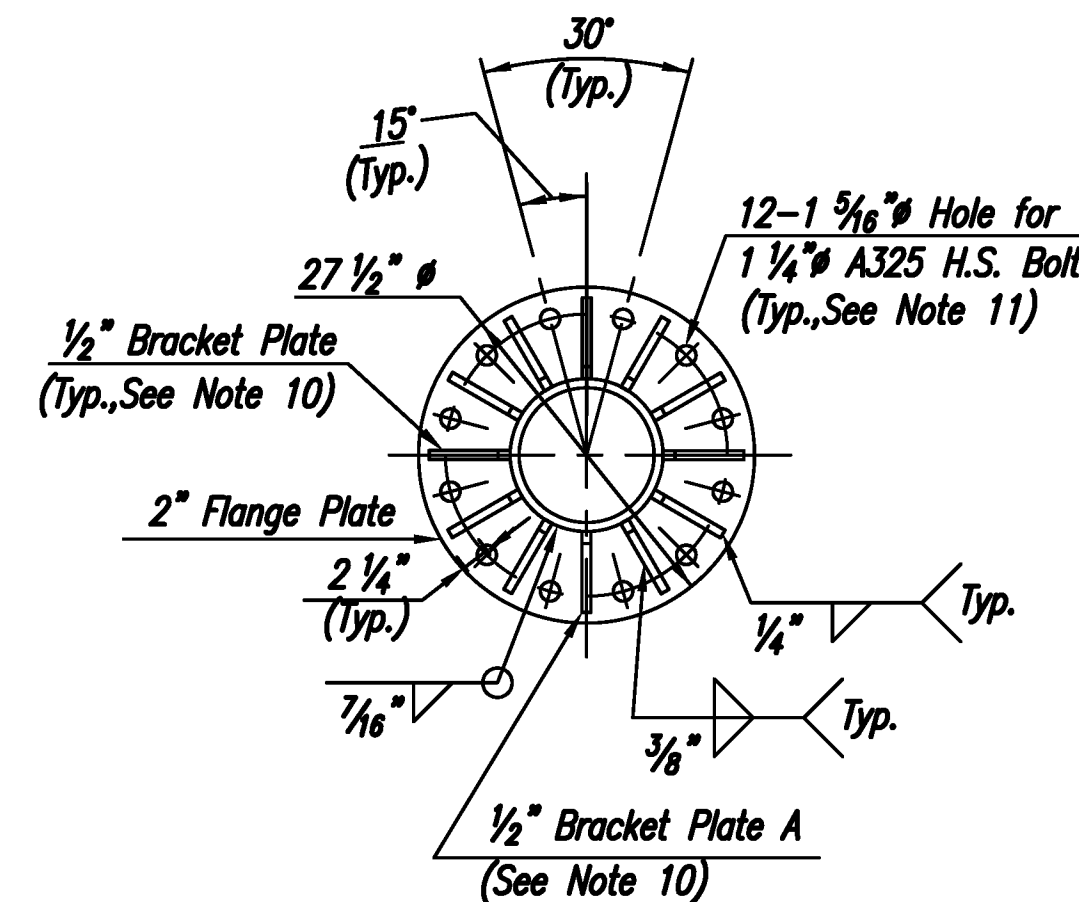
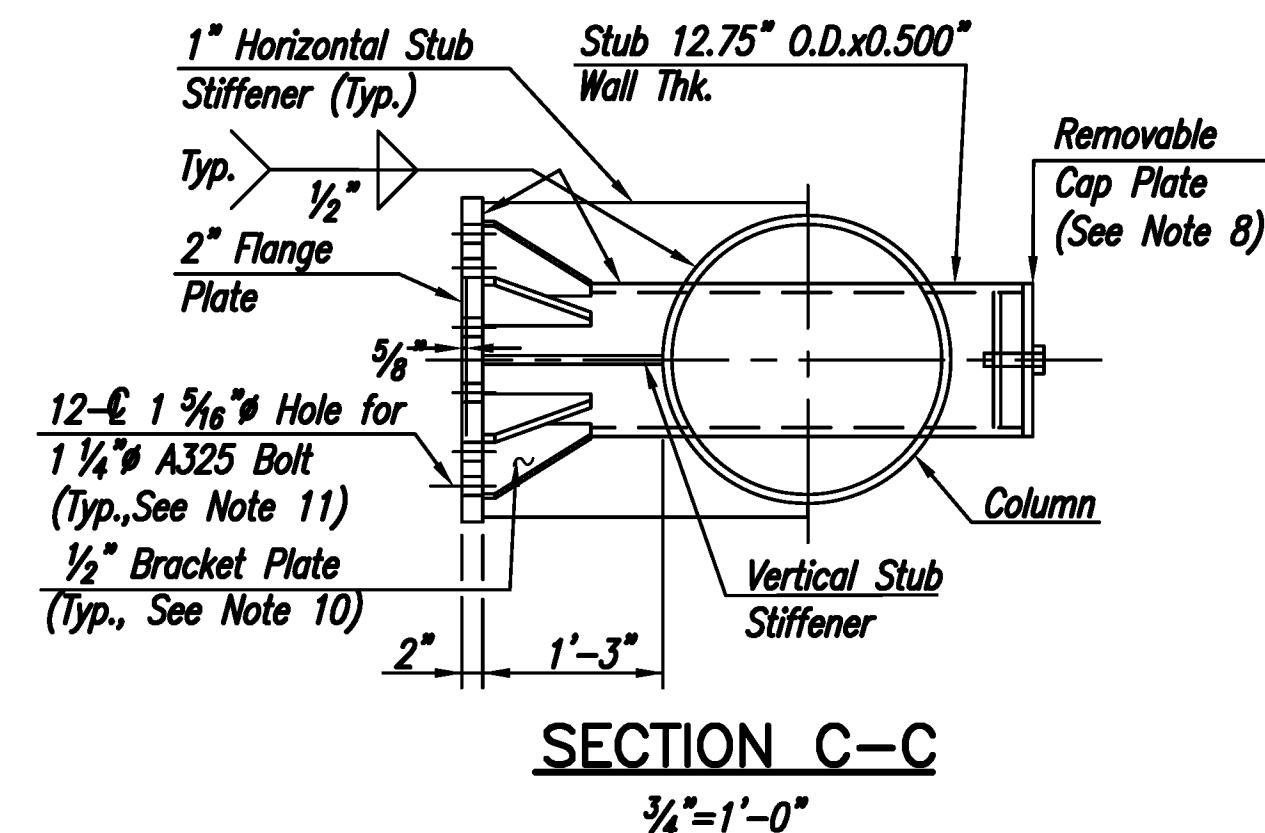
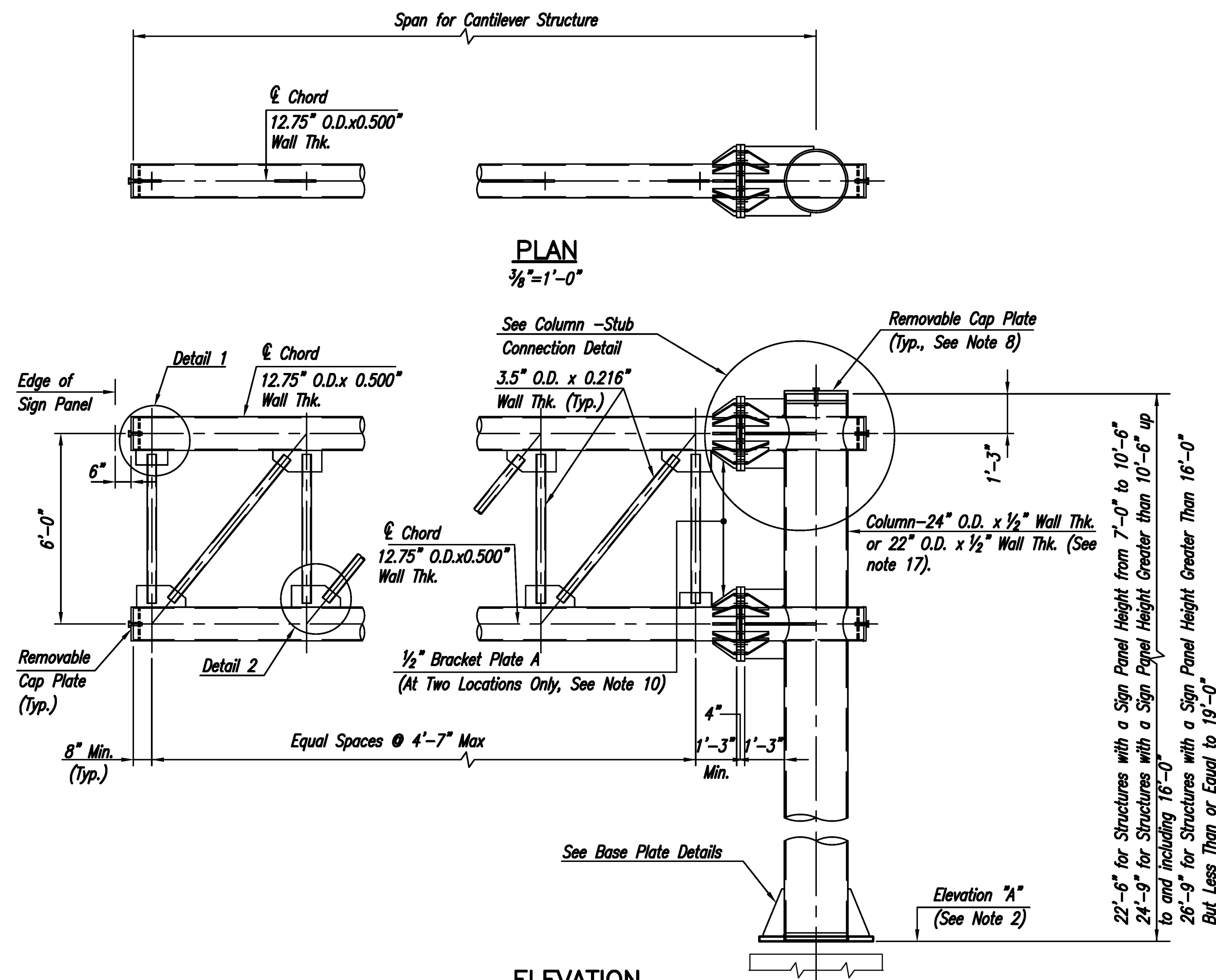
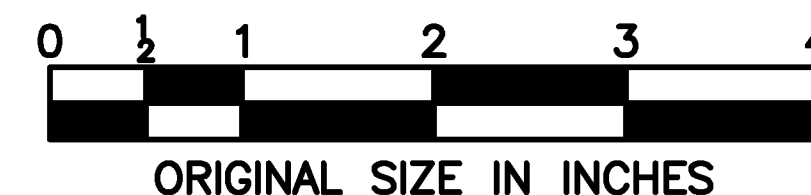




NOTES:

- Sign support structures shall conform to Section 406.
- 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.
- 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
- 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.
- Structural steel plates and shapes shall conform to the requirements of ASTM A709, Grade 50W, unless otherwise noted.
- For other details and notes for the cantilever structure, see Standard Drawing SI-18B.
- For Horizontal Stub Stiffener Detail and Vertical Stub Stiffener Detail, see Standard Drawing No. SI-18B.
- For Removable Cap Details, see Standard Drawing SI-17B.
- For Anchor Bolt Detail, see Standard Drawing SI-18B.
- For the sizes of bracket plate and bracket plate A, see Bracket Plate Detail on Standard Drawing SI-18B.
- 1 1/4" diameter A325 splice bolts shall be required to have 71 kips in tension.
- All bolts shall be provided with heavy hexagon nuts and washers.
All bolts, nuts and washers shall be Type 3.
- Cantilever 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.
- For cantilever sign structures, the maximum span as measured from the centerline of column to the end of the truss arm shall be 32'-0". The maximum sign area shall be as follows:
• 225 Sq.Ft. For Sign Panel Heights up to and including 12'-0"
• 300 Sq.Ft. For Sign Panel Heights exceeding 12'-0" but less than or equal to 16'-0"
• 266 Sq.Ft. For Sign Panel Heights exceeding 16'-0" but less than or equal to 19'-0"
Any cantilever sign structure exceeding these limitations shall be designed by the Engineer.
- For butterfly sign structures, see sheet SI-18C
- For Top Chord Splice Assembly Weld Detail, see Standard Drawing SI-18B.
- End posts for cantilever 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.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE

CANTILEVER SIGN SUPPORT
STRUCTURES TRUSS
AND POST DETAILS-1

OFFICE OF THE CHIEF ENGINEER
WOODBIDGE, NEW JERSEY

2009 STANDARD
DRAWING
SI-18A

1	12/09	REISSUED TO ELIMINATE BUTTERFLY DETAILS
	04/09	ORIGINAL DRAWING
APP. NO.	DATE	REVISION

CONTRACT NO.

SHEET NO. OF