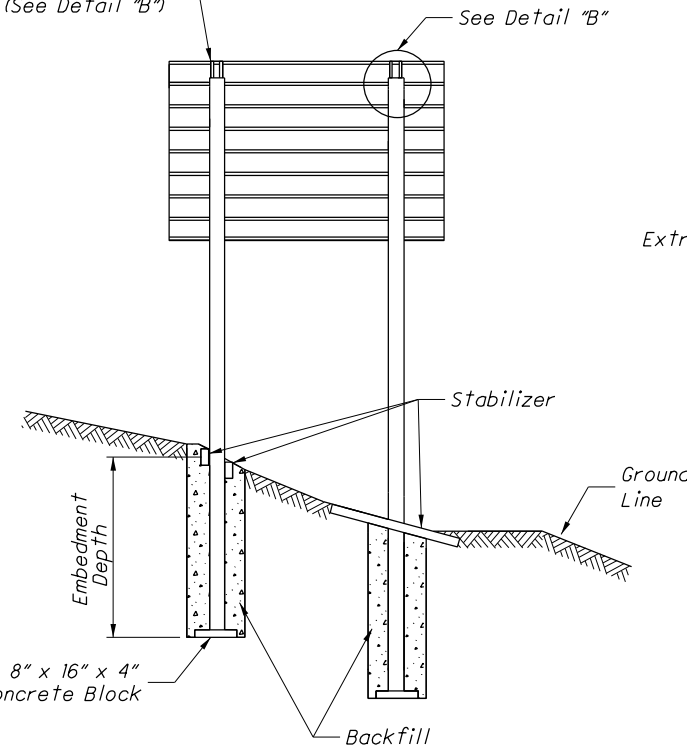
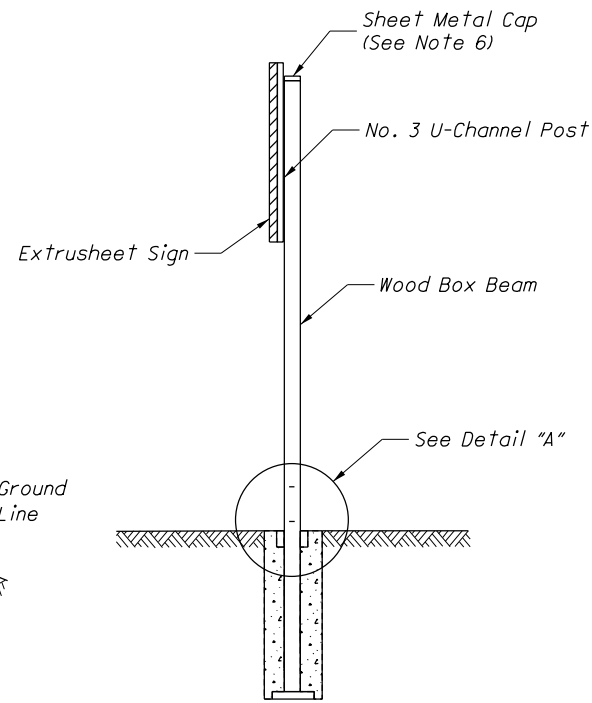


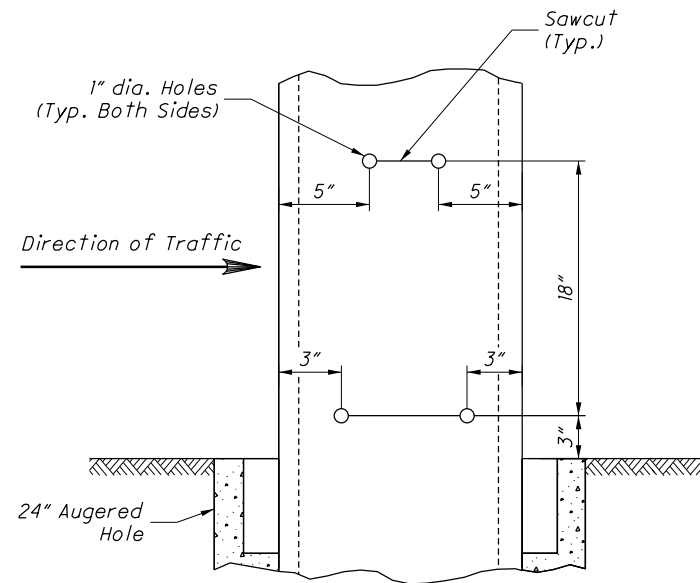
Steel Drive Posts Attached to Wood Box Beam with Lag Screws (See Detail "B")



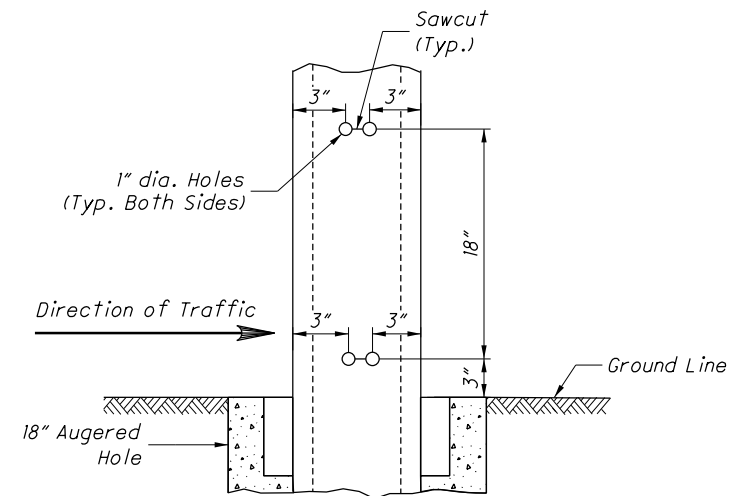
ELEVATION (REAR VIEW)



SIDE VIEW



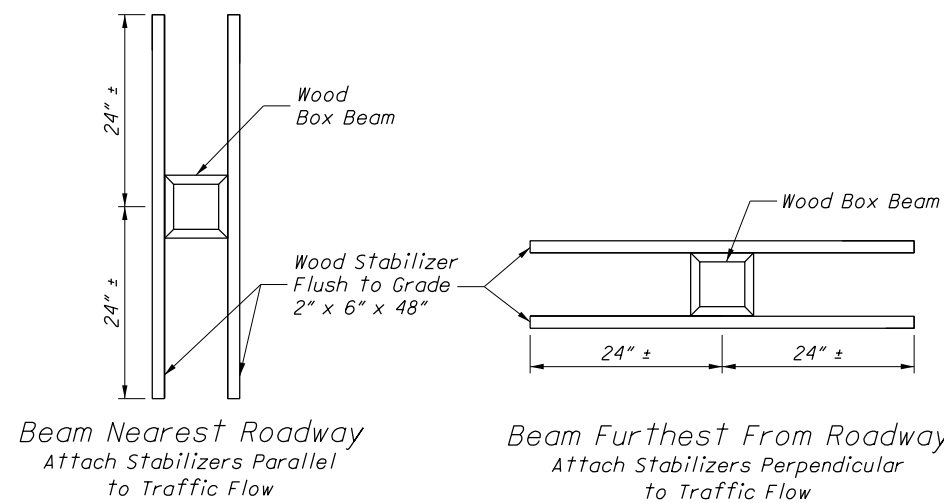
DETAIL "A"
(TYPE L BEAM)



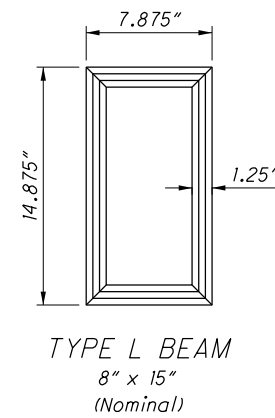
DETAIL "A"
(TYPE M BEAM)

NOTES:

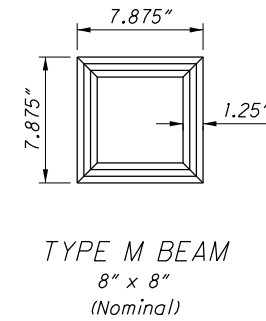
1. Auger holes to required depth using 18" auger for the Type M and 24" auger for the Type L post.
2. Place 8" x 16" x 4" solid concrete block in the bottom of each augered hole.
3. Backfill with suitable material (normally soil removed from hole is suitable for backfilling). Backfill in 4" lifts and tamp the soil firmly around the beam with a hydraulic pole tamper after each lift.
4. For each beam, install two wood stabilizers flush to grade by carefully removing only the amount of soil necessary to achieve their proper installation. Attach each stabilizer to the beam with four 16d common nails. Replace and firmly tamp the soil around the stabilizers with a hydraulic pole tamper. For three beam installations, install wood stabilizers on the middle beam perpendicular to traffic flow.
5. Install breakaway feature on both sides of each beam (see detail "A") by drilling 1" diameter holes (total eight holes per beam), and connecting the holes with a reciprocating saw (total four saw cuts per beam).
6. Install a commercial quality 20 gauge galvanized steel sheet metal cap to the top of each beam. Wrap the cap around the four sides of the beam and securely fasten in place using hot-dipped galvanized nails.
7. Attach two No. 3 u-channel posts to each beam, equal to the height of the sign. Use 5/16" x 2" hex head lag bolts installed in drilled 3/16" pilot holes. Install one lag bolt within 3" of the bottom of the post, and one within 3" of the top of the beam. Install additional lag bolts along each post with a maximum spacing of 12".
8. U-channel posts may be extended above the top of the beam a maximum of 12" to achieve proper sign height and leveling of sign.
9. Attach extrusheet sign to outer flanges of the u-channel posts on each beam with mounting clips as shown on Standard Construction Drawings TC-51.11 and TC-51.12.



WOOD STABILIZERS
(See Note 4)

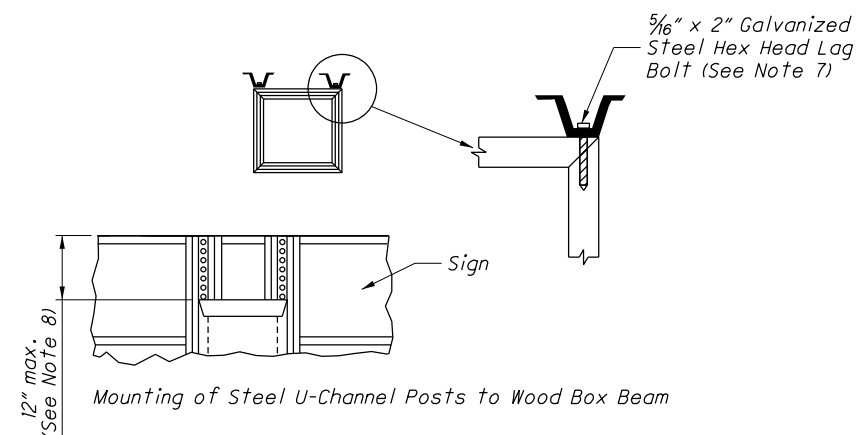


TYPE L BEAM
8" x 15"
(Nominal)



TYPE M BEAM
8" x 8"
(Nominal)

Direction of Traffic



DETAIL "B"

PLACEMENT OF BOX BEAMS

THIS DRAWING REPLACES TC-41.25 DATED 04-17-2009.

SD NUMBER
TC-41.25

STANDARD ROADWAY CONSTRUCTION DRAWING
**LAMINATED VENEER WOODEN BOX
BEAM SIGN SUPPORT**

OFFICE OF
**ROADWAY
ENGINEERING**

STATUS
ENGINEER
P. Singh

STATE OF OHIO DEPARTMENT OF
TRANSPORTATION ADMINISTRATOR
David L. Holstein

REVISION DATE
07-17-2015