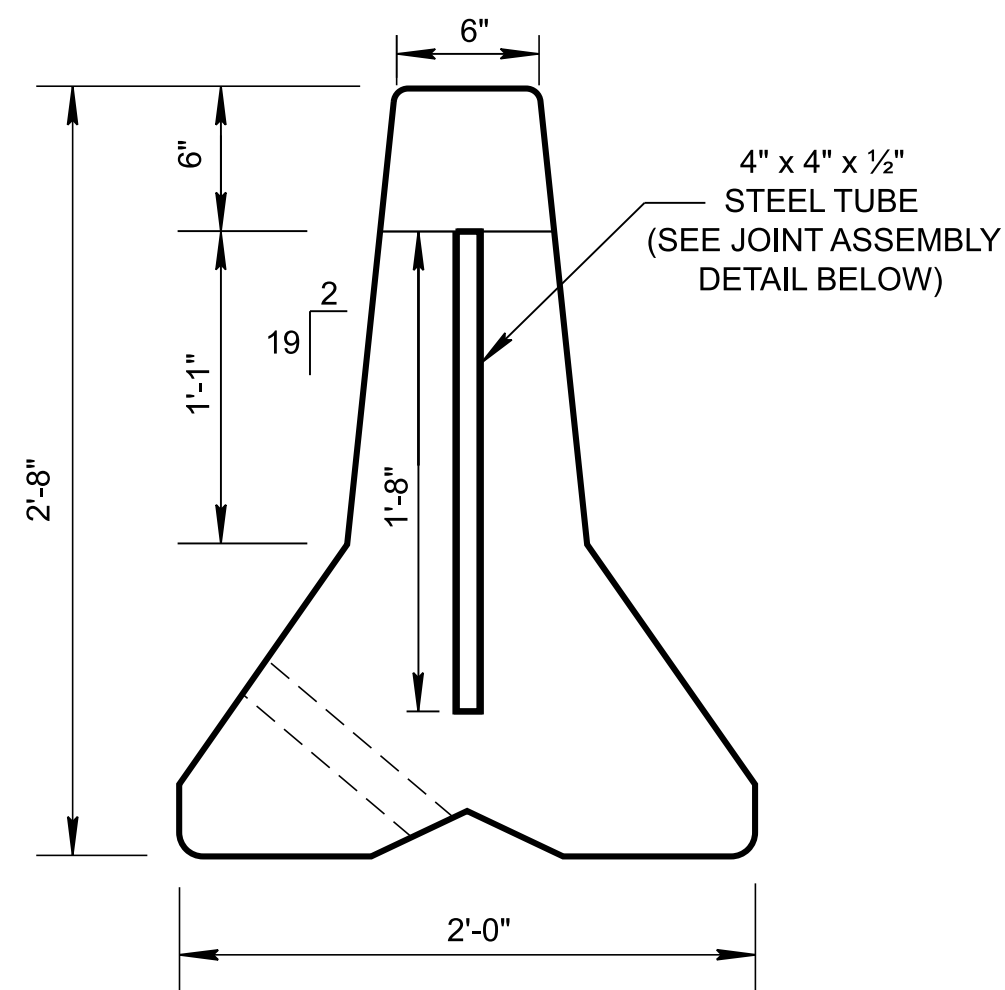
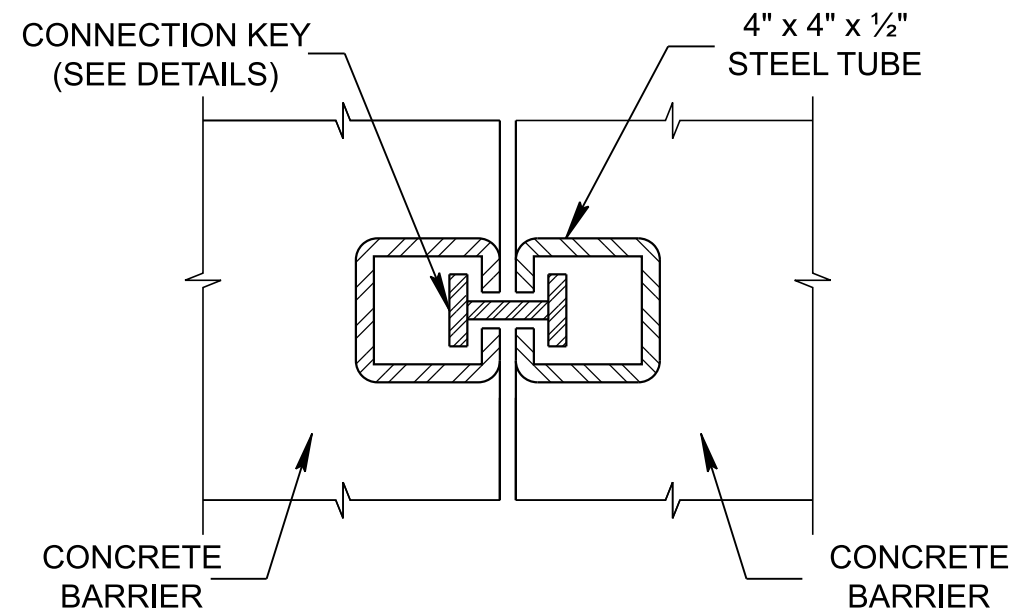


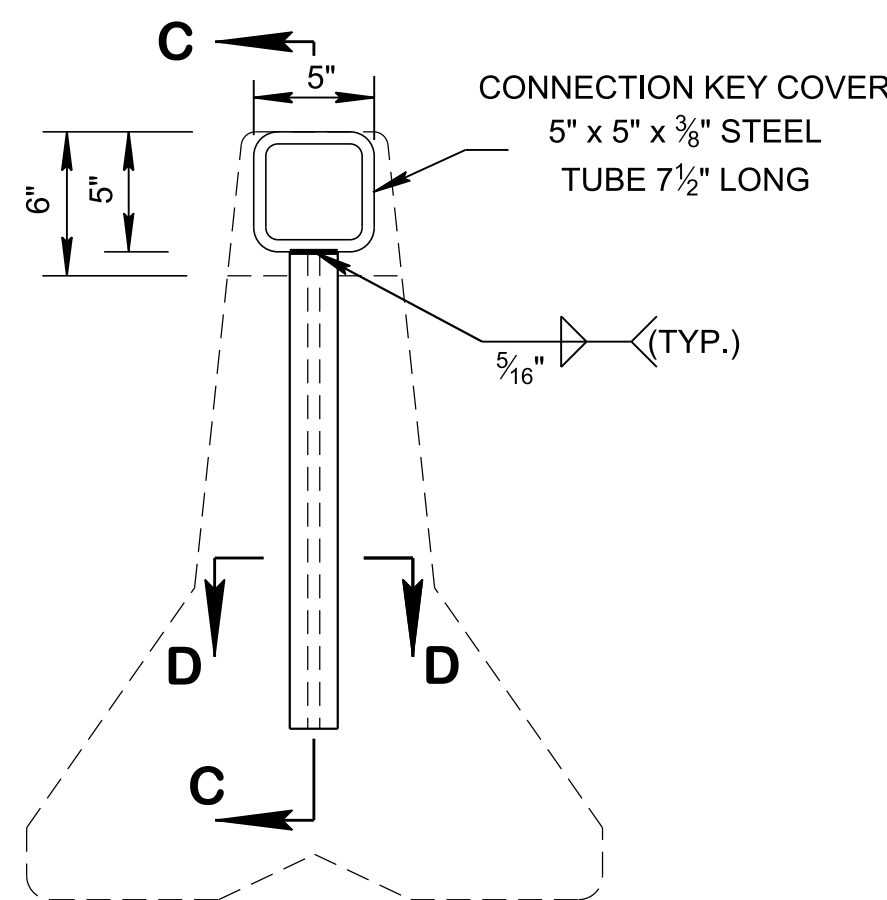
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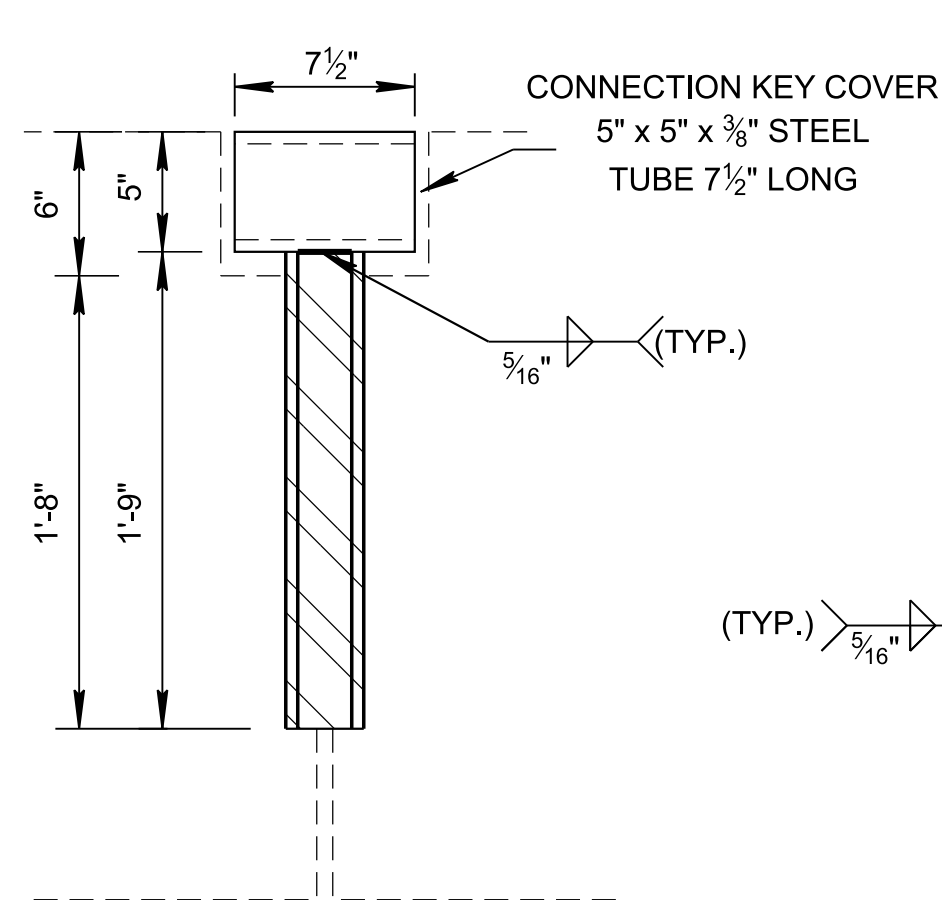
END VIEW



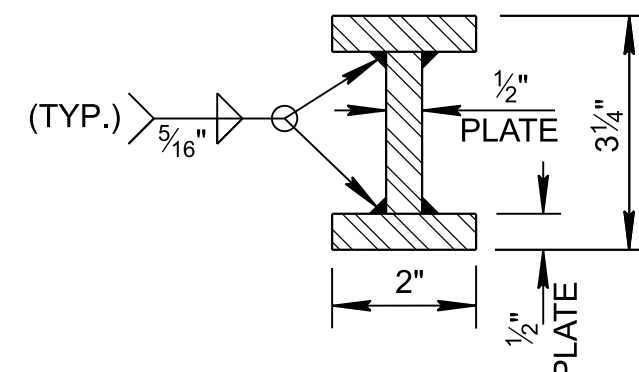
PLAN OF CONNECTION KEY DETAIL



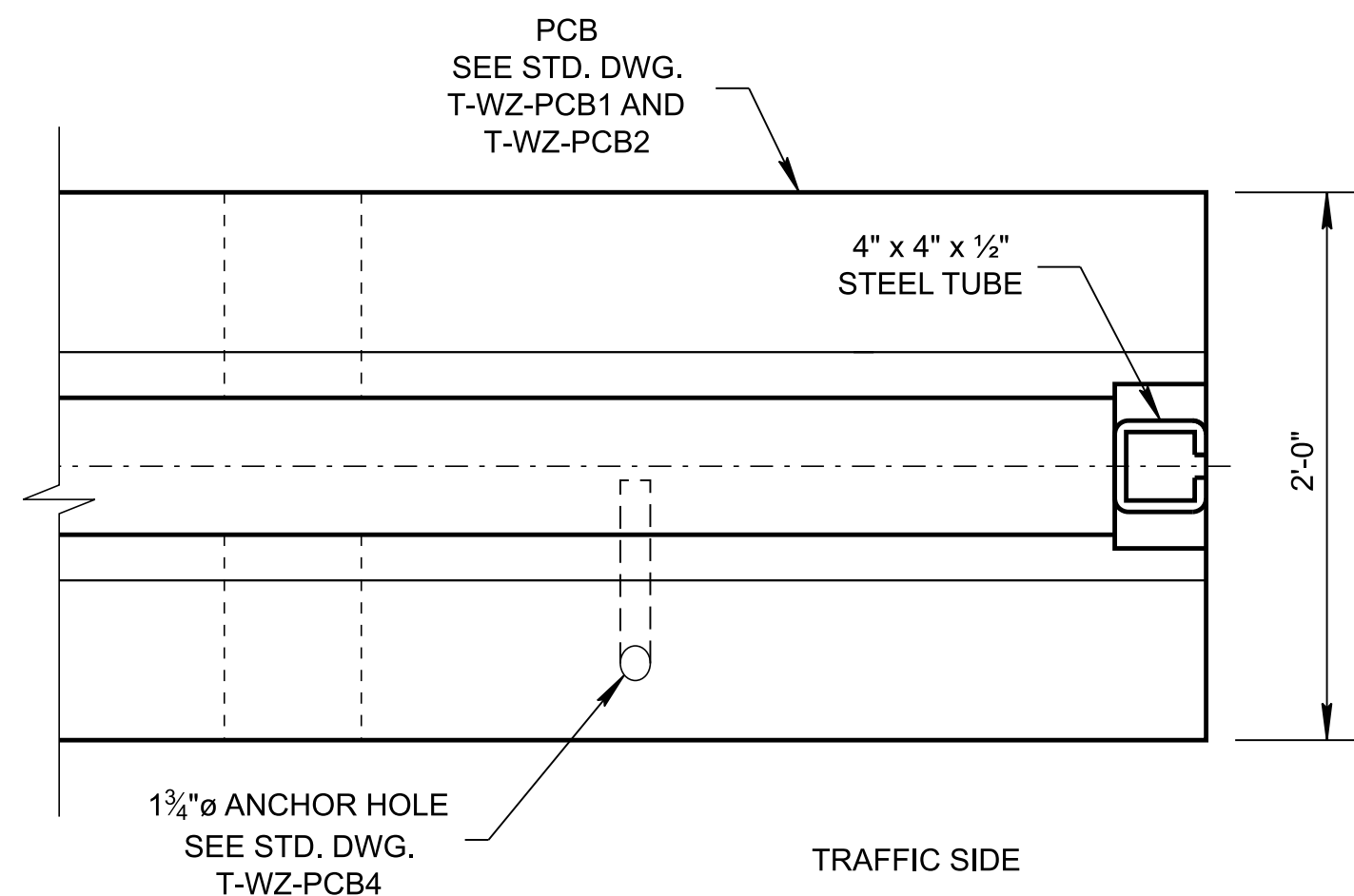
CONNECTION KEY VIEW



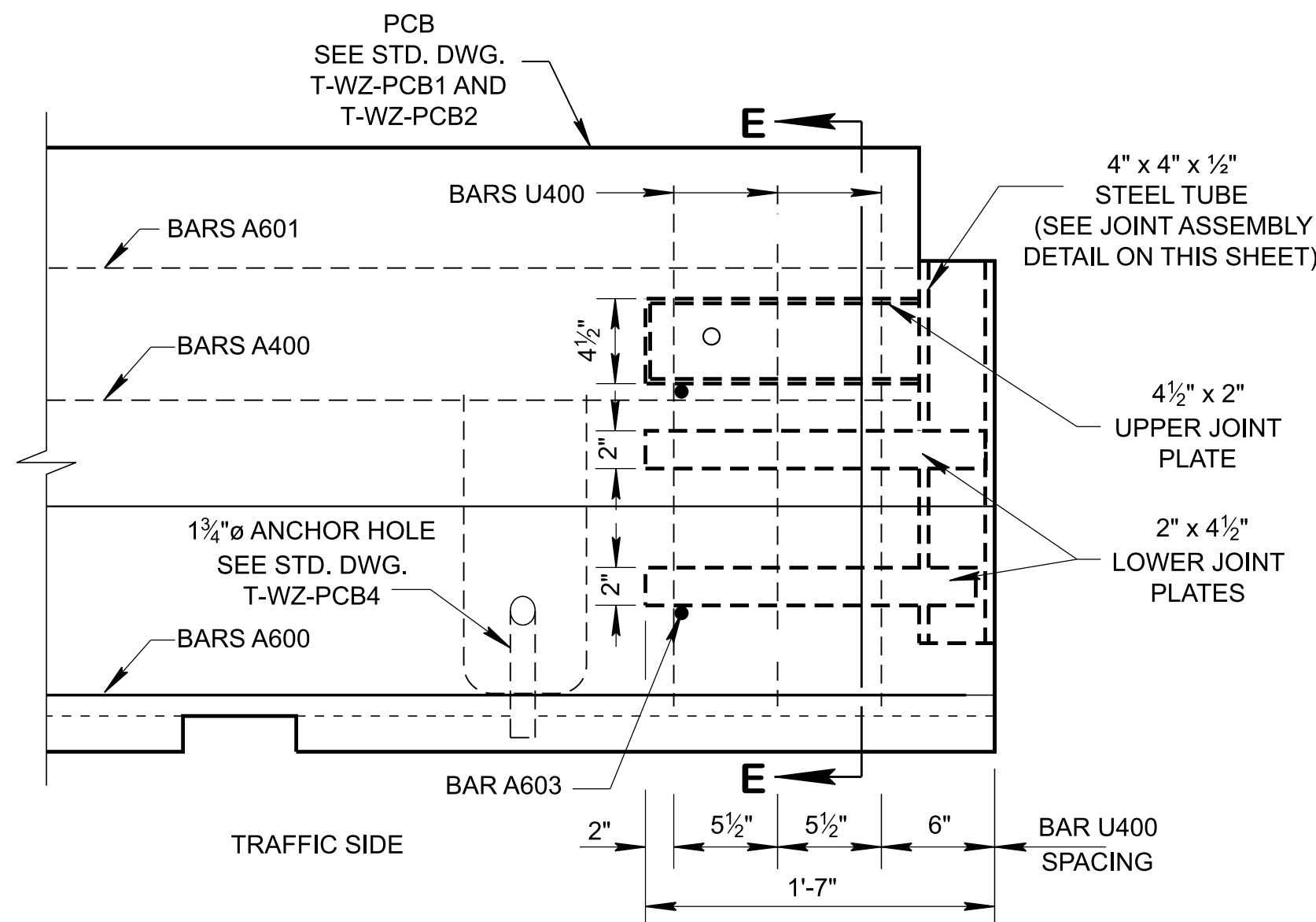
SECTION C - C
CONNECTION KEY DETAILS



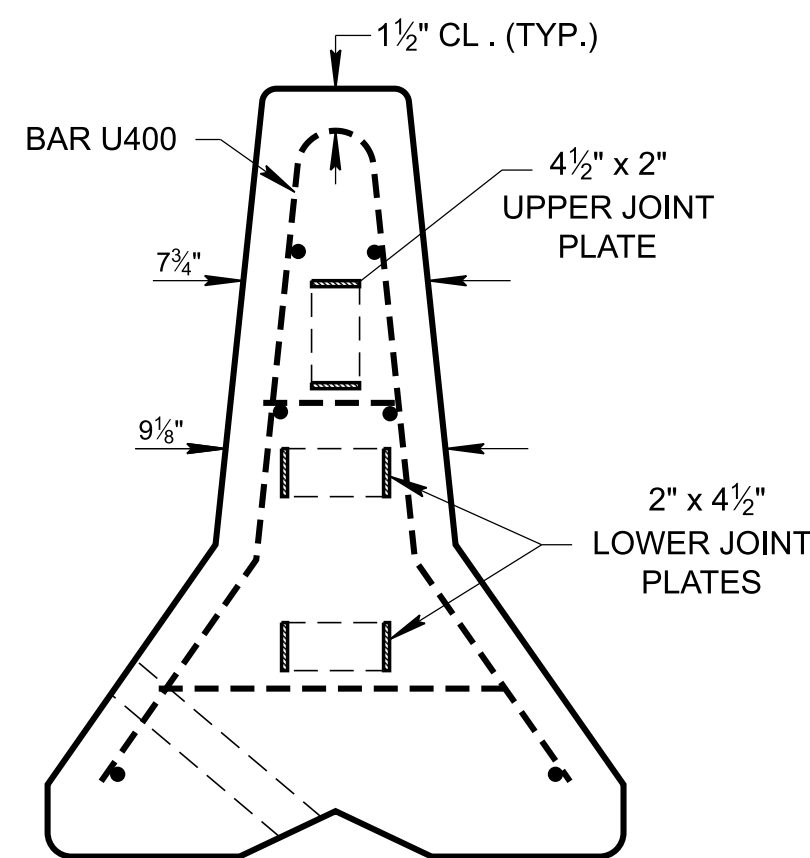
SECTION D - D



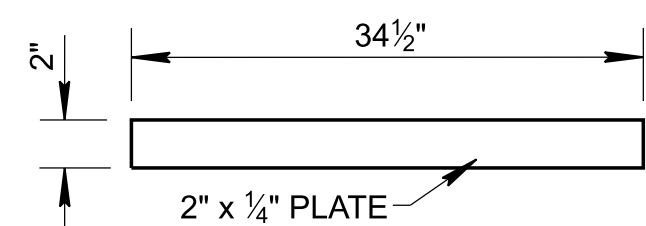
END PLAN VIEW



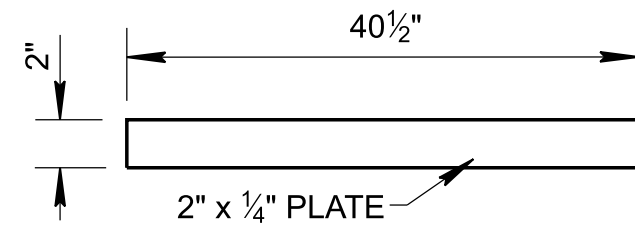
END ELEVATION VIEW



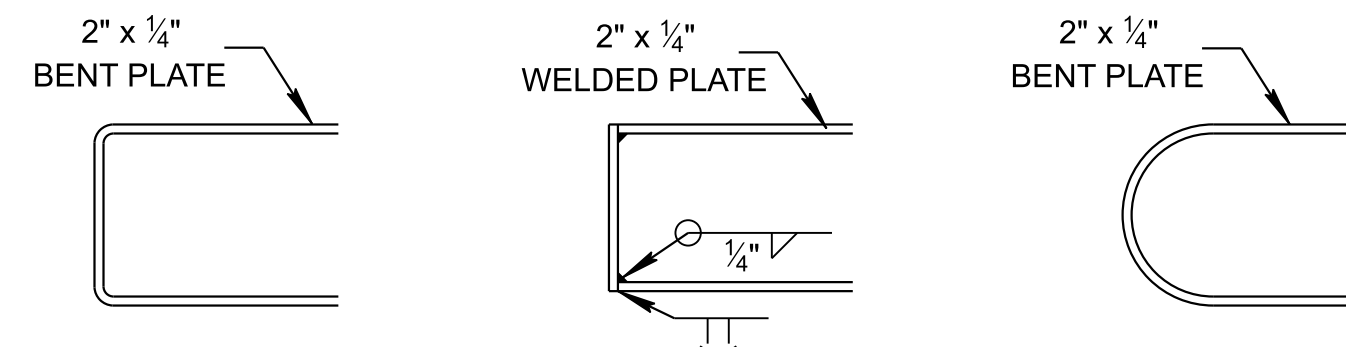
SECTION E-E



UPPER JOINT PLATE SIZE

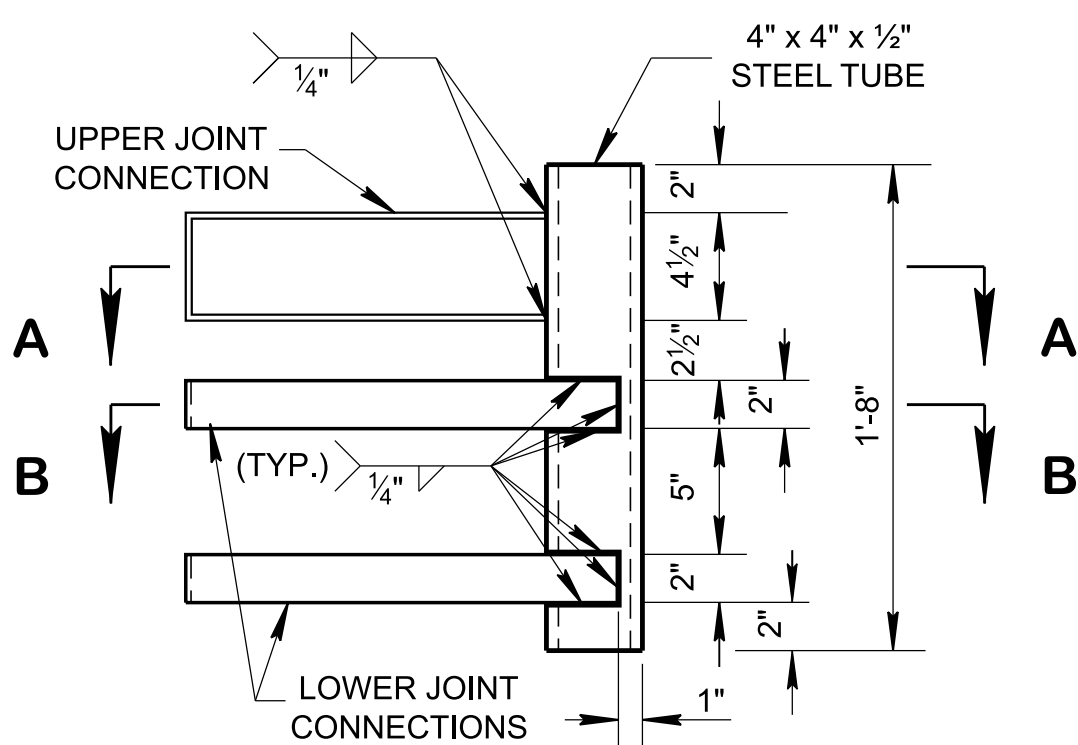


LOWER JOINT PLATE SIZE

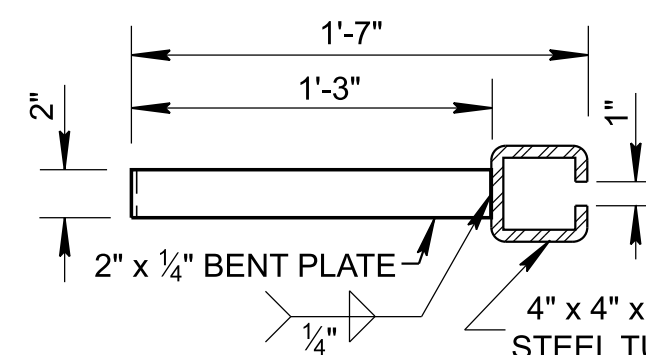


ALTERNATIVE DETAILS

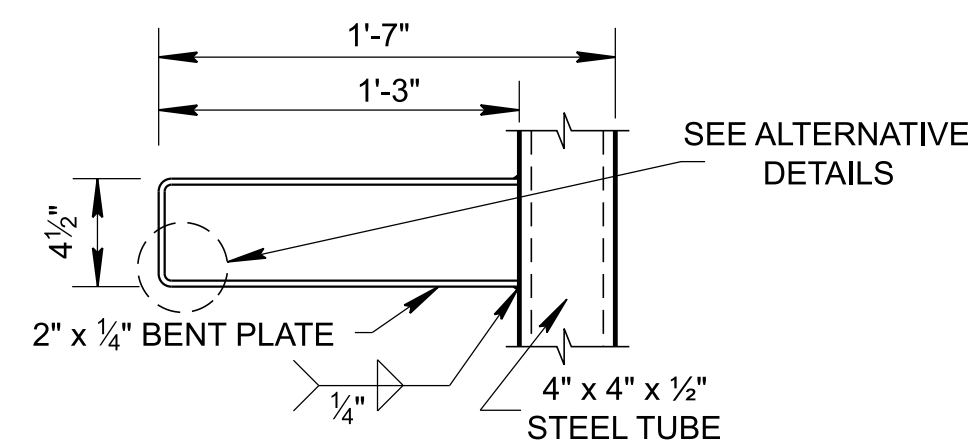
NOTE: MANUFACTURES MAY USE ROUND BENT PLATES DURING MANUFACTURING OF UPPER AND LOWER JOINT CONNECTIONS.



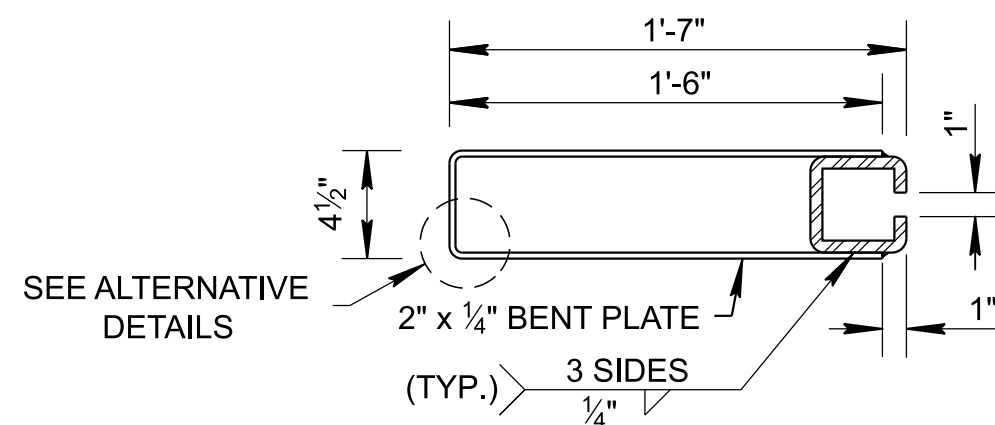
JOINT ASSEMBLY DETAIL



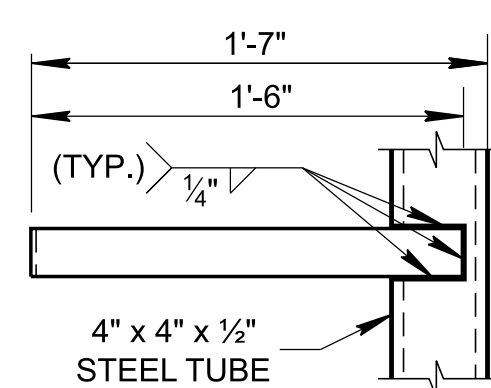
SECTION A - A



ELEVATION
UPPER JOINT CONNECTION



SECTION B - B



ELEVATION
LOWER JOINT CONNECTION

GENERAL NOTES

- SEE STANDARD DRAWINGS T-WZ-PCB1 AND T-WZ-PCB2 FOR PORTABLE CONCRETE BARRIER RAILS.
- THE CONNECTION KEY AND STEEL PLATES SHALL CONFORM TO ASTM A36. THE STEEL TUBE SHALL CONFORM TO ASTM A500 GRADE B. ALL THE STEEL PLATES FOR THE CONNECTION KEY ASSEMBLY, THE TRANSITION KEY ASSEMBLY AND THE STEEL TUBES SHALL BE GALVANIZED. ALL CUTTING, DRILLING, AND WELDING OF STEEL COMPONENTS SHALL BE DONE BEFORE BEING GALVANIZED.
- ALL WELDING SHALL BE PERFORMED BY A WELDER QUALIFIED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
- CONNECTION KEY COVER TUBE SHALL BE INSTALLED FLUSH WITH THE BARRIER TOP.
- SEE STANDARD DRAWING T-WZ-PCB4 FOR ANCHOR PIN DETAILS.
- PAYMENT FOR CONNECTION KEY, JOINT ASSEMBLY STEEL TUBE AND PLATES WILL BE INCLUDED IN THE UNIT PRICE OF PORTABLE BARRIER RAIL ITEM NUMBER.
- THE DIMENSIONS SHALL BE AS SHOWN ON THE DRAWING WITHIN MANUFACTURING TOLERANCE OF +/- 1/8 INCH BUT NOT TO EXCEED 1/4 INCH.

REV. 03-04-2021: REVISED CONNECTION KEY DETAILS AND REVISED GENERAL NOTES (B) AND (C). ADDED GENERAL NOTE (G).

REV. 10-29-2021: ADDED ALTERNATIVE DETAIL FOR UPPER AND LOWER JOINT CONNECTIONS.

REV. 01-28-2022: ADDED REBARS AND REBARS SPACING DIMENSIONS ON END ELEVATION VIEW. NEW SECTION E-E WAS ADDED TO SHOW THE LOWER AND UPPER JOINTS VIEW. ADDED BENT AND WELDED PLATES ALTERNATIVE DETAILS WITH NOTE.

REV. 03-26-25: UPDATED TO CONFORM TO MUTCD 11TH EDITION.

STATE OF TENNESSEE
STANDARD
DRAWING
DEPARTMENT OF TRANSPORTATION

PORTABLE
CONCRETE
BARRIER RAIL
DETAILS

10-16-2020

T-WZ-PCB3

NOT TO SCALE