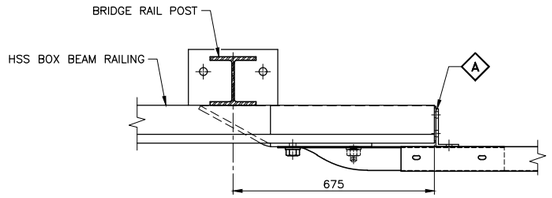
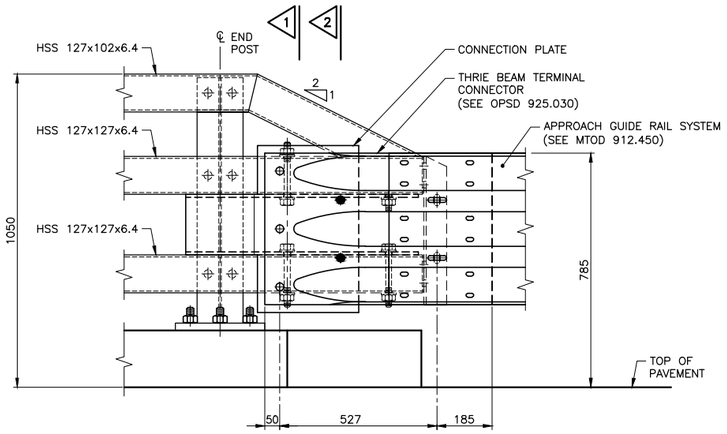
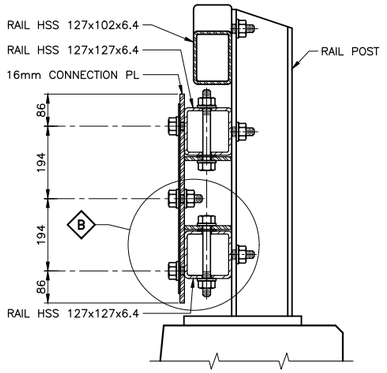


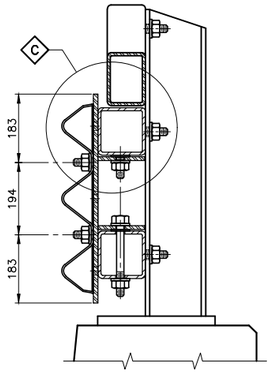
PLAN – RAIL END CONNECTION



ELEVATION – RAIL END CONNECTION

(INSIDE FACE SHOWN)





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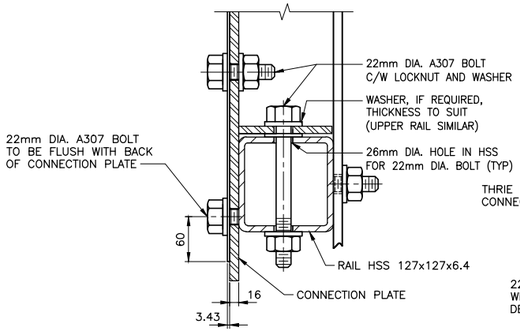

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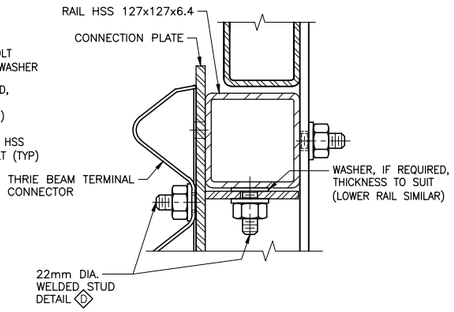
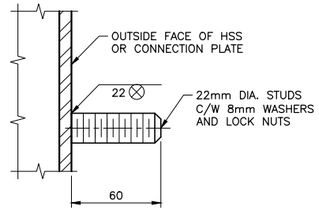


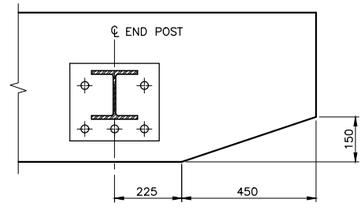


B LOWER RAIL DETAIL

C UPPER RAIL DETAIL

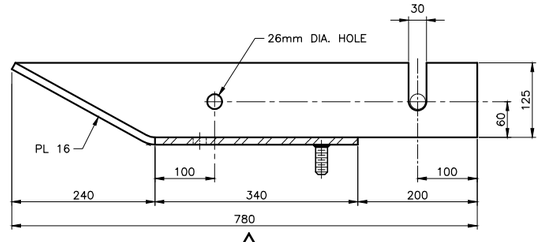
D WELDED STUD DETAIL

FULL–THREAD WELDED STUD



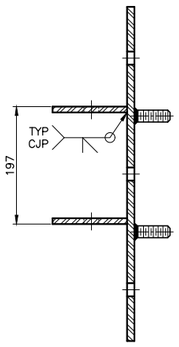
CURB END DETAIL

CURB REINFORCING
(SEE WINGWALL REINFORCING DRAWING)



3

NOTE: HSS NOT SHOWN



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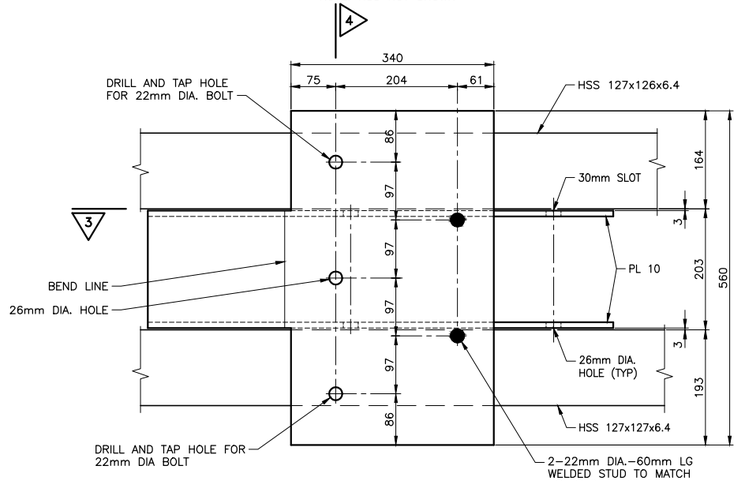
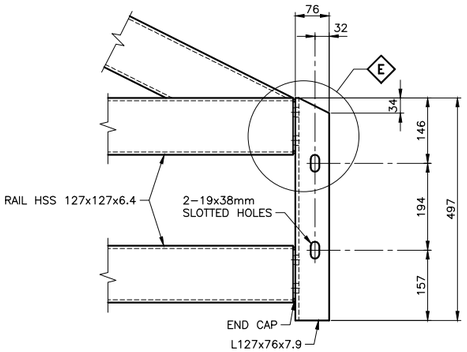
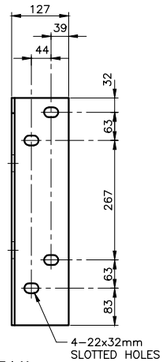
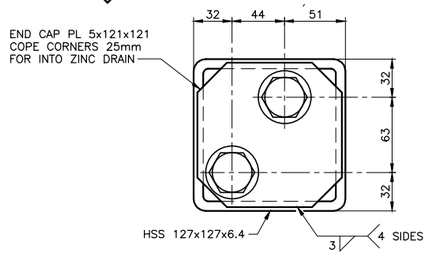


CONNECTION PLATE



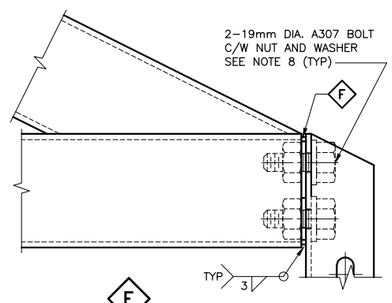


A CONNECTION ANGLE DETAIL



F END CAP

(CONNECTION ANGLE NOT SHOWN)



E

REFER TO THE STRUCTURAL MANUAL FOR PROFESSIONAL ENGINEER STAMPING REQUIREMENTS.

Ontario Ministry of Transportation

CONT –
WP DRAFT –

PROJECT NAME
END CONNECTION FOR FOUR TUBE CURB RAILING AND APPROACH RAIL TRANSITION

SHEET –

METRIC
MILLIMETRES OR METRES
(UNLESS NOTED)

NOTES:

1. SYSTEM CONFIGURATION MEETS THE REQUIREMENTS OF NCHRP 350.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH SS110–37.
3. STEEL PLATES SHALL BE GRADE 350WT.
4. FULL THREAD STUDS FOR FASTENING GUIDE RAILS TO POST SHALL CONFORM TO ASTM A108. LOCK NUTS SHALL BE ACCORDING TO ASTM A563. WASHERS SHALL BE ACCORDING TO ASTM F436.
5. ALL COMPONENTS OF RAILING SHALL BE HOT–DIP GALVANIZED AFTER FABRICATION.
6. BOLTS, PLATES, NUT AND WASHERS SHALL BE HOT–DIP GALVANIZED. LOCK NUTS SHALL BE ZINC PLATED ACCORDING TO ASTM B695.
7. DAMAGE TO GALVANIZED SHALL BE REPAIRED WITH A ZINC TOUCH–UP SOLDER, GALVAGUARD OR APPROVED EQUIVALENT.
8. PRIOR TO ASSEMBLY, APPLY LOCTITE 242, OR APPROVED EQUIVALENT THREAD–LOCKING FLUID, TO THE BOLT THREADS AT THE NUT ENGAGEMENT AREA, PER MANUFACTURER'S SPECIFICATION.

STANDARD DRAWING
JUNE 5, 2025

SS110–38

END CONNECTION FOR THREE TUBE CURB RAILING AND APPROACH RAIL TRANSITION

REVISIONS		
DATE	BY	DESCRIPTION

DESIGN	–	CHK	–	CODE CSA–S6–19	LOAD	–	DATE –
DRAWN	–	CHK	–	SITE	–		DWG –

FILE NAME: C:\USERS\WEZAKA\ONEDRIVE – GOVERNMENT OF ONTARIO\DESKTOP\ADAM JAN RAILING 2023\S110–38 MAY 30 2024 DRAFT.DWG
MODIFIED: 2024–06–05 09:02