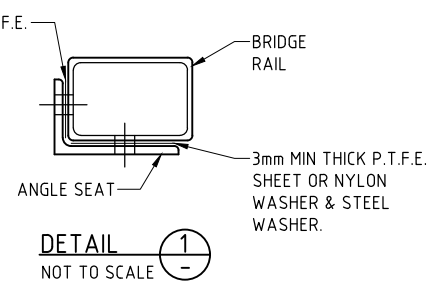
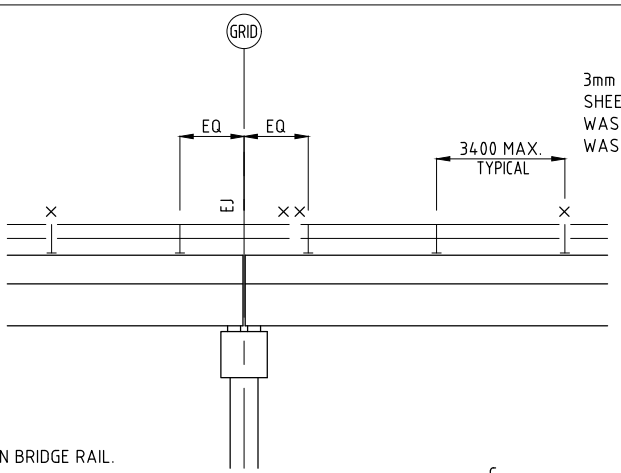
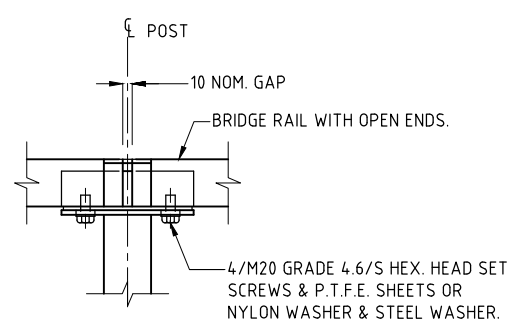


ELEVATION
NOT TO SCALE

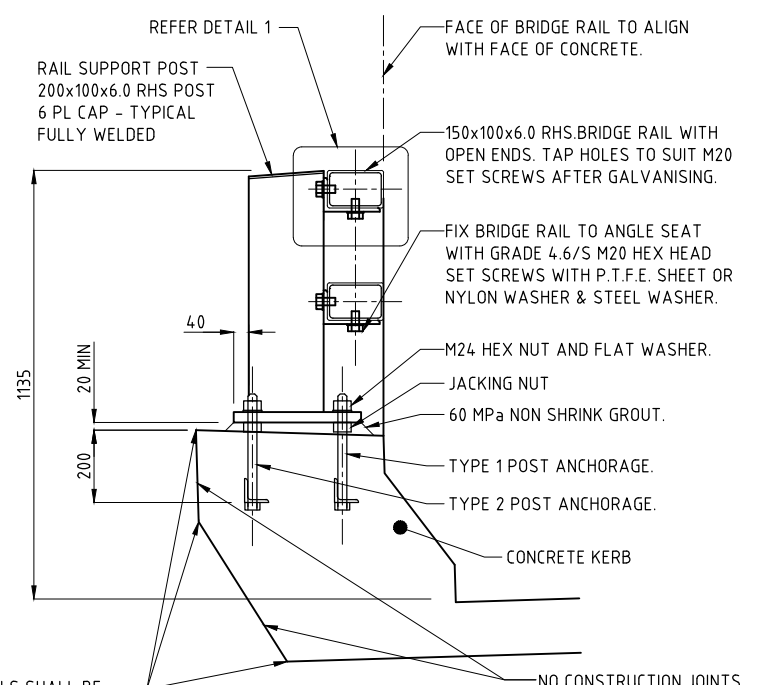
× - DENOTES LOCATION OF 10mm NOMINAL GAP IN BRIDGE RAIL. REFER DETAIL.
 ×× - DENOTES LOCATION OF EXPANSION JOINT IN BRIDGE RAIL. REFER DETAIL.
 EJ - EXPANSION JOINT IN BRIDGE DECK.



DETAIL 1
NOT TO SCALE



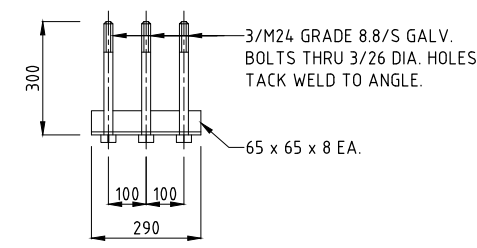
TYPICAL DETAIL - 10mm GAP
NOT TO SCALE



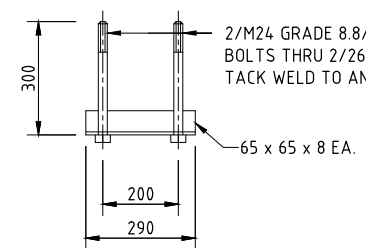
TYPICAL SECTION
NOT TO SCALE

THESE EDGES AND THE RAILS SHALL BE CONSTRUCTED TO GOOD LINE AND LEVEL TO PROVIDE ATTRACTIVE APPEARANCE. FRAMEWORK SHOULD BE ADJUSTED TO ALLOW FOR DEFLECTIONS DUE TO DEAD LOADS AFTER OR AS A RESULT OF CASTING.

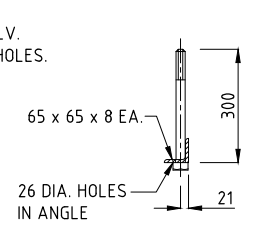
NO CONSTRUCTION JOINTS ARE PERMITTED ON THESE EXTERNAL SURFACES.



ANCHOR TYPE 1

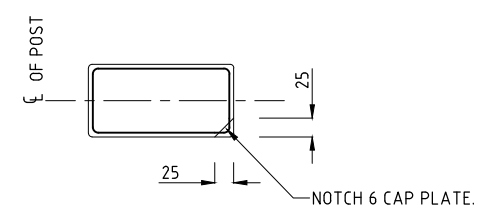


ANCHOR TYPE 2

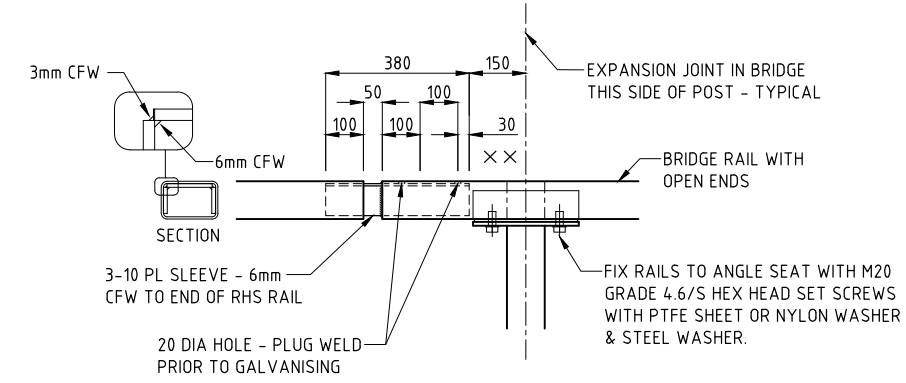


TYPICAL SIDE ELEVATION

POST ANCHORAGE
NOT TO SCALE

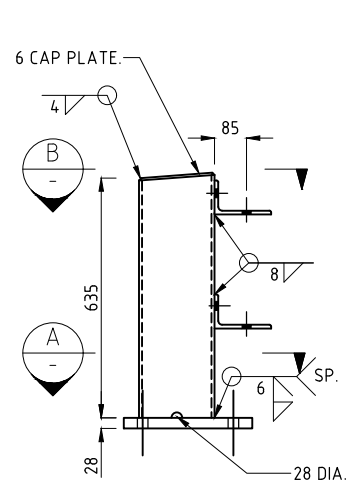


SECTION B
NOT TO SCALE

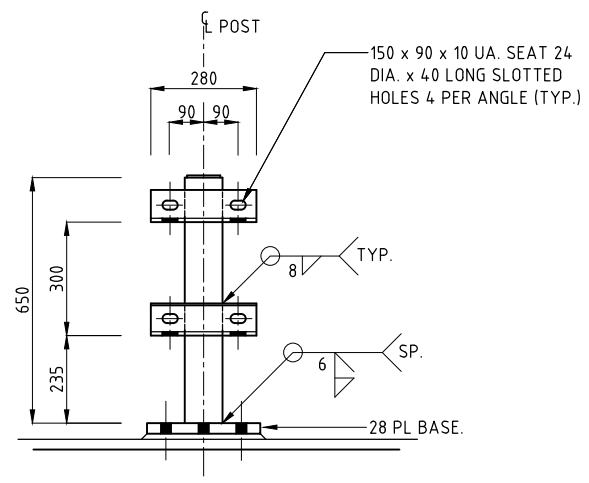


TYPICAL DETAIL - RAIL EXPANSION JOINT
NOT TO SCALE

NOTE:
SLEEVE TO BE A NEAT, TIGHT FIT TO MATCHING RHS RAIL

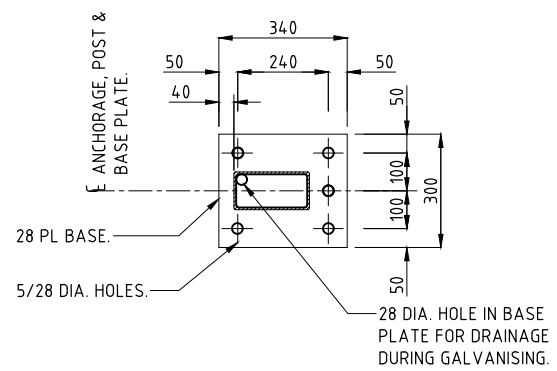


SIDE ELEVATION



FRONT ELEVATION

TYPICAL RAIL POST DETAIL
NOT TO SCALE



SECTION A
NOT TO SCALE

TYPICAL POST BASE PLATE DETAIL

NOTES:

- USE GRADE C350 R.H.S. TO AS 1163
- USE GRADE 250 STEEL TO AS 3678 & AS 3679 FOR OTHER STEELWORK.
- USE GRADE 8.8 HEX. HEAD BOLTS TO AS 1252 AND GRADE 4.6/S SET SCREWS
- WELDING SYMBOLS CONFORM TO AS 1101.3.
- ALL WELDS TO BE GP CATEGORY UNLESS NOTED OTHERWISE.
- HOT DIP GALVANISE BOLTS, SET SCREWS AND NUTS TO AS 1214; WASHERS TO AS 1650.
- ERECT POSTS VERTICALLY AND POSITION TO GIVE SMOOTH LINE OF RAILING.
- DIMENSIONS FOR RAIL LENGTHS GIVEN ON ELEVATION ARE BASED ON CENTRELINE OF RAIL. ALL LENGTHS OF RAIL ARE TO BE CONFIRMED ON SITE BASED ON ACTUAL POST LOCATIONS.
- ALL POSTS AND RAILING TO BE HOT DIP GALVANISED AFTER FABRICATION.
- ELECTRODES FOR WELDING BASE PLATE TO BE E48XX. ELECTRODES FOR OTHER WELDING TO BE E41XX.
- BRIDGE RAILS MAY BE DRILLED AND TAPPED AFTER GALVANISING. ALL OTHER STEELWORK GALVANISED AFTER FABRICATION.
- DECK CANTILEVER AND CONNECTION OF KERB TO IT SHALL BE AT LEAST 15% STRONGER THAN THE STRENGTH REQUIRED TO DEVELOP THE DESIGN UPPER-BOUND FULL TENSILE STRENGTH CAPACITY OF THE GUARDRAIL HOLD-DOWN BOLTS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- SAFETY BARRIER DELINEATORS SHALL BE PROVIDED WITH RED AND WHITE "CLASS 1A" RETROREFLECTIVE SHEETING OR AS DOUBLE SIDED REFLECTORS IN ACCORDANCE WITH AS/NZS1906.2. USE YELLOW DELINEATORS ON RIGHT HAND SIDE ON ONE WAY TRAFFIC ROADS. RETROREFLECTIVE AREA SHALL BE 100cm² AND NO LESS THAN 60mm WIDE. DELINEATORS ARE TO BE BOLTED TO THE BLOCK OUT PIECES OR TO THE POSTS WHERE BLOCK OUTS ARE NOT USED. THE TOP OF THE DELINEATOR SHALL BE 220mm ABOVE THE TOP OF THE SAFETY BARRIER SO THAT THE APPROACHING DRIVER ALWAYS SEES RED ON HIS LEFT AND WHITE ON HIS RIGHT HAND SIDE. PLACE AT EACH END AND AT 12m CENTRES.
- REFER TO DIPL WEBSITE FOR APPROVED BARRIER TRANSITIONS.
<https://dipl.nt.gov.au/industry/technical-standards-guidelines-and-specifications/road-safety-barriers>

WARNING

BEWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

No.	DESCRIPTION	DATE	NAME	DEPT./COMPANY
1	MINOR CHANGES	JAN 2024	D.LLANO	DIPL
0	ISSUED AS A STANDARD DRAWING	SEPT 2017	J.LEESON	EES/DIPL
AMENDMENTS				

DRAWN J.LEESON	CHECKED S.HATZI
DATE JUNE 2017	DATE JUNE 2017
DESIGNED G.C	CHECKED
DATE NOV 2004	DATE
DESIGN LEADER S.HATZI	DESIGN DIRECTOR S.JACKSON
DATE 1/09/2017	DATE 1/09/2017



STANDARD DRAWINGS SAFETY BARRIERS		TYPICAL BRIDGE RAIL DETAILS	
FILE No.	ASSET No.	SHEET No.	DRAWING No.
-	-	1 OF 1	CS-3202
		AMEND.	SHEET SIZE
		1	A1