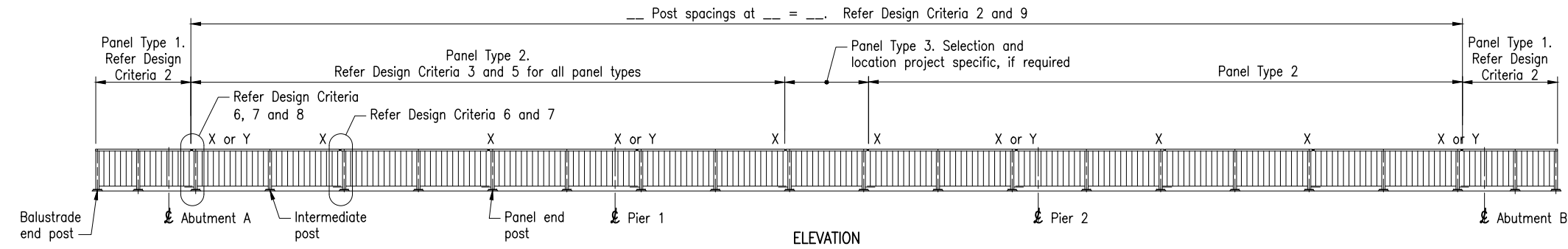


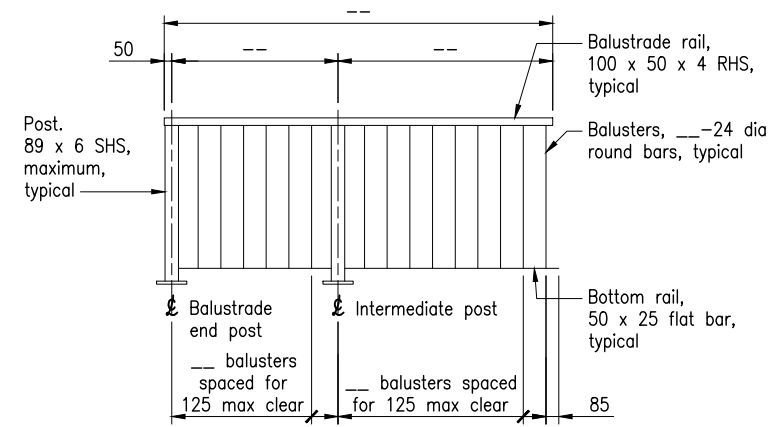
Note: The purpose of this drawing is to provide typical standard details. The fit for propose requirements and project specific details shall be included on the Project Drawings.

- ### STEEL BALUSTRADE – DESIGN CRITERIA
- Design Criteria:
AS 5100.1 Clause 16.2.2 *Barriers on the outside edge of pedestrian or cyclist path*
AS 5100.2 Clause 12.5 *Pedestrian and cyclist path barrier load*
 - Maximum post spacing = 2000.
 - Maximum panel length = 4000.
 - Minimum height of balustrade from the top of the pedestrian way = 1200.
 - Each rail shall be supported by 2 posts.
 - Only one rail joint permitted between successive posts.
 - Provide a rail joint adjacent to each abutment or pier.
 - Maximum rail joint gap shall be 125.
 - Post spacing to be adjusted to clear scuppers in kerb.

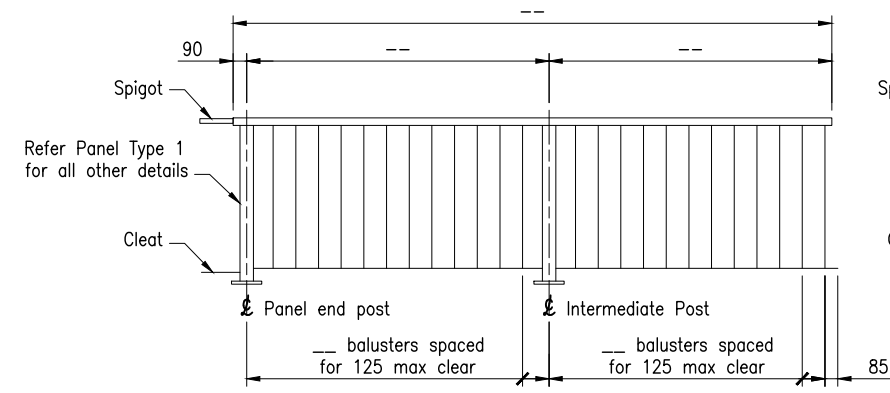


'X' denotes 40 nominal gap at mid span locations and at Fixed Joint and Continuous Deck,
'Y' denotes --- nominal gap at Expansion Joint.
Refer Design Criteria 8

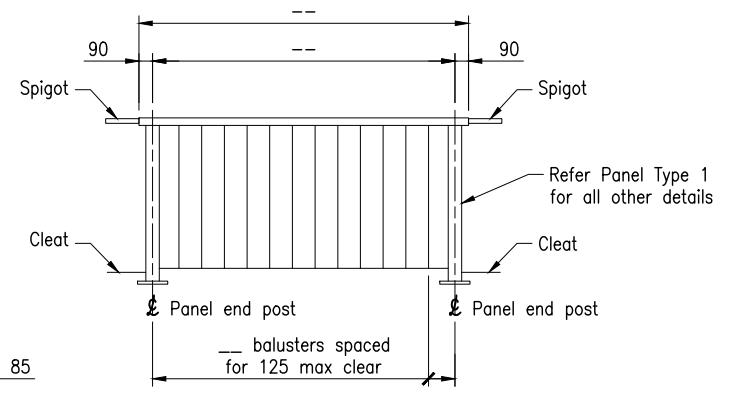
--- denotes project specific information that shall be shown on the project drawings



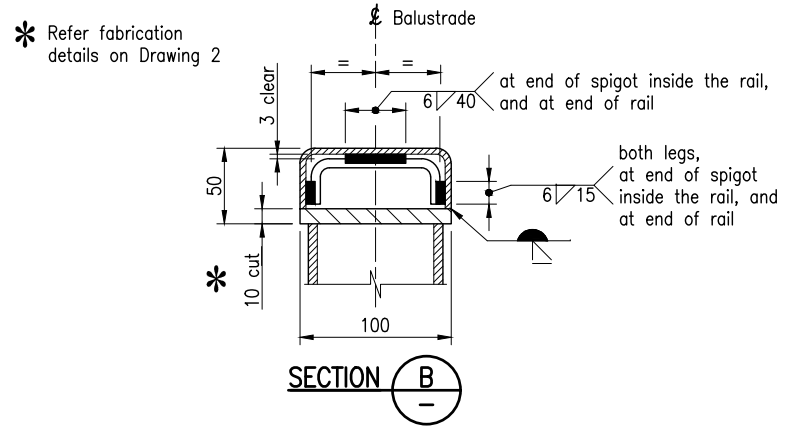
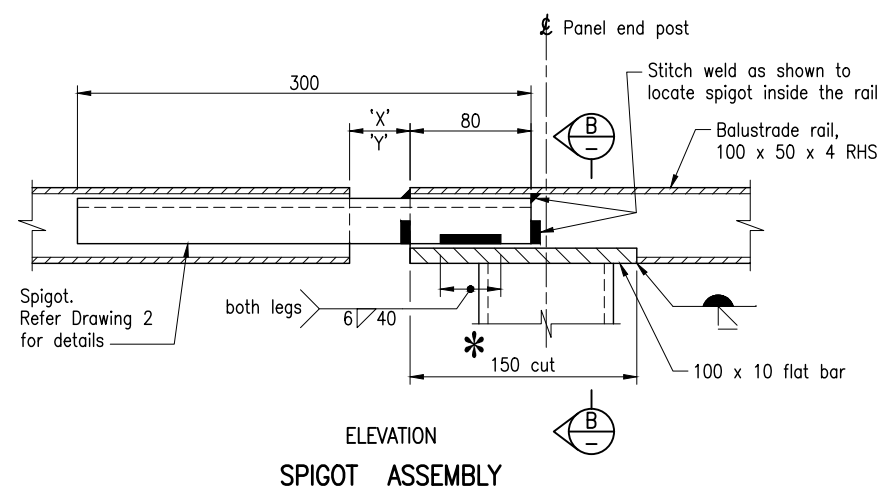
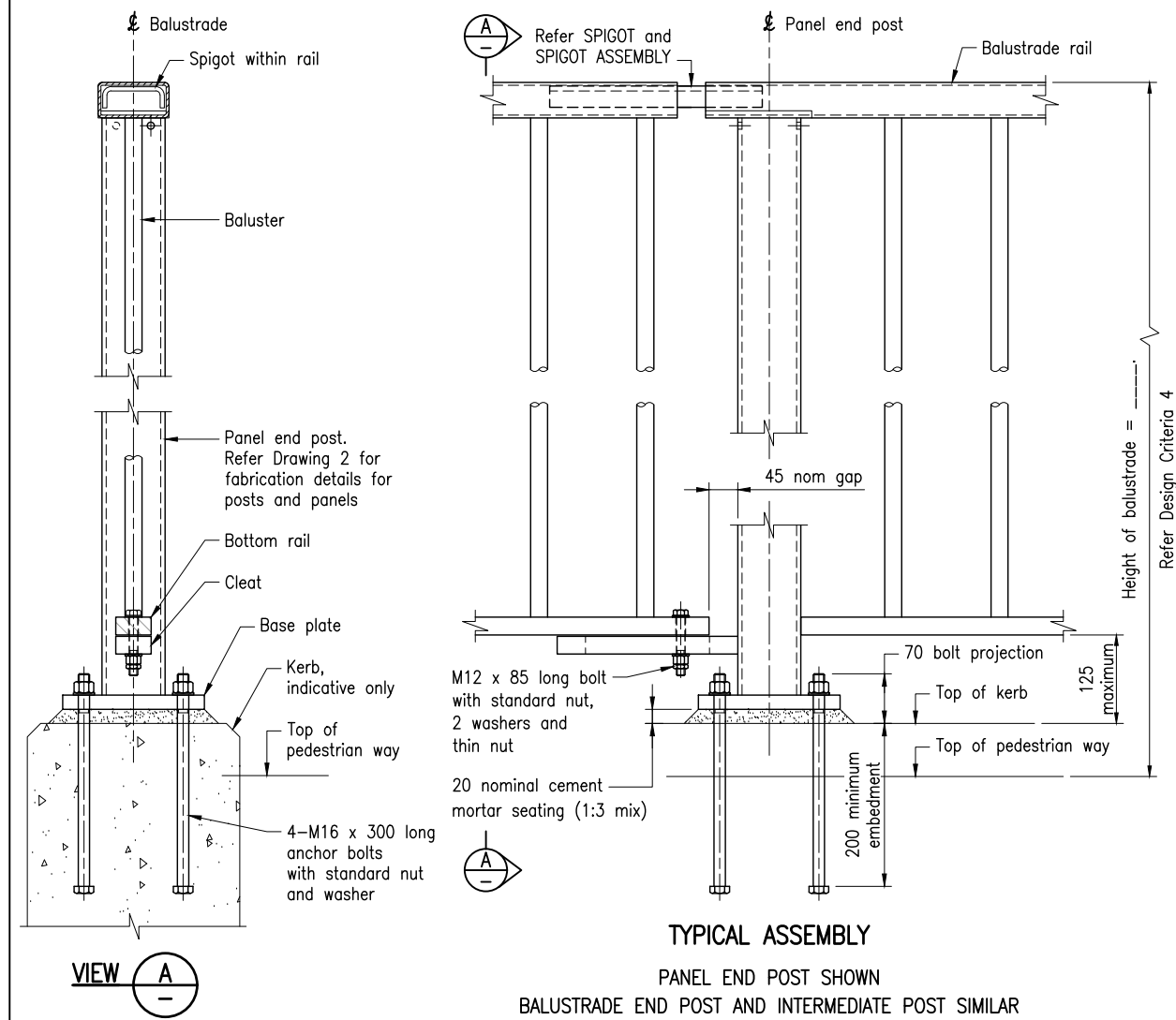
ELEVATION
PANEL TYPE 1
No OFF = ---



ELEVATION
PANEL TYPE 2
No OFF = ---



ELEVATION
PANEL TYPE 3
No OFF = ---



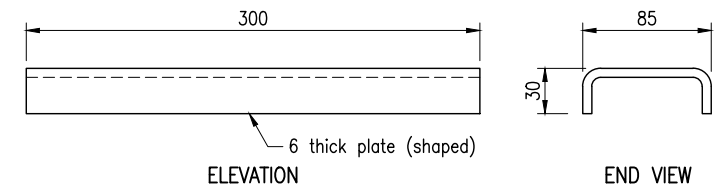
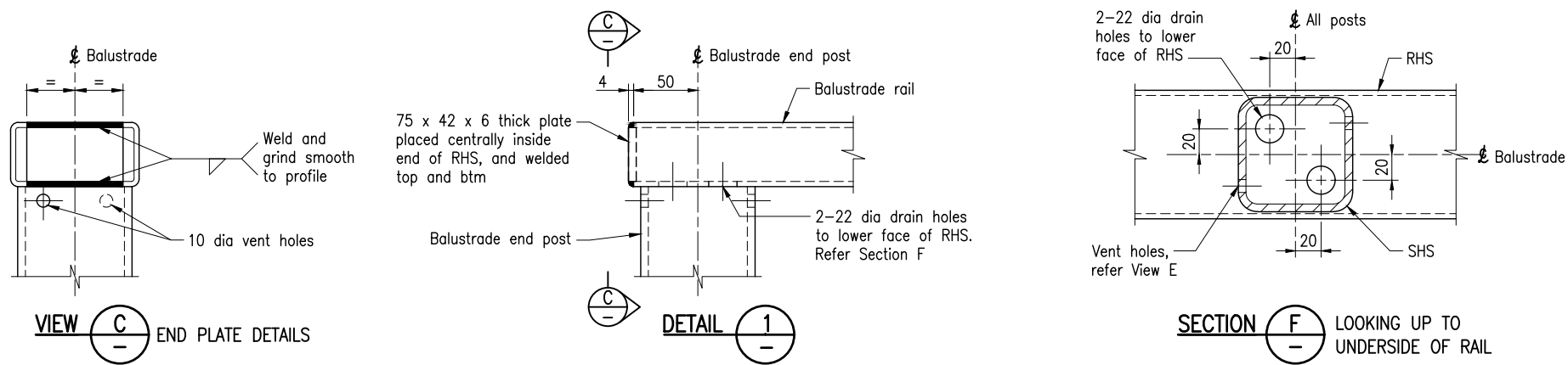
NOTES:

- SCOPE: This Standard Drawing provides details of bridge balustrade for use on outside edge of pedestrian only path. Refer Design Criteria Note 1 on this drawing. This drawing supersedes Standard Drawing 1512. Each post and panel type is project specific and shall be fully detailed in the project drawings.
- STEELWORK shall be fabricated to the requirements of MRTS78. RHS and SHS shall be Grade C350L0 to AS/NZS 1163 and MRTS78. Steel plate shall be Grade 250 to AS/NZS 3678. Flat bar and round bar shall be Grade 300 to AS/NZS 3679.1. All material with silicon content less than 0.01% shall be abrasive blasted to Sa2.5 prior to hot dip galvanizing. Bolts Class 4.6 to AS 1111.1, nuts Class 5 to AS 1112.1 and thin nuts Class 5 to AS 1112.4. Washers for Class 4.6 bolts to AS 1237.1. Bolt assemblies shall be fabricated in accordance with MRTS278. All bolts and nuts shall be hot dip galvanized to AS 1214. All other steelwork shall be hot dip galvanized to AS/NZS 4680. Prior to galvanizing all weld splatter and welding slag is to be removed. Members shall be branded with suitable type number after fabrication.
- WELDING symbols conform to AS 1101.3. All welding to AS/NZS 1554.1. All welds except location tack welds shall be SP category. Welding consumables to be controlled hydrogen type: G493 to AS/NZS ISO 14341-B or T493 to AS/NZS ISO 17632-B.
- DIMENSIONS are in millimetres.

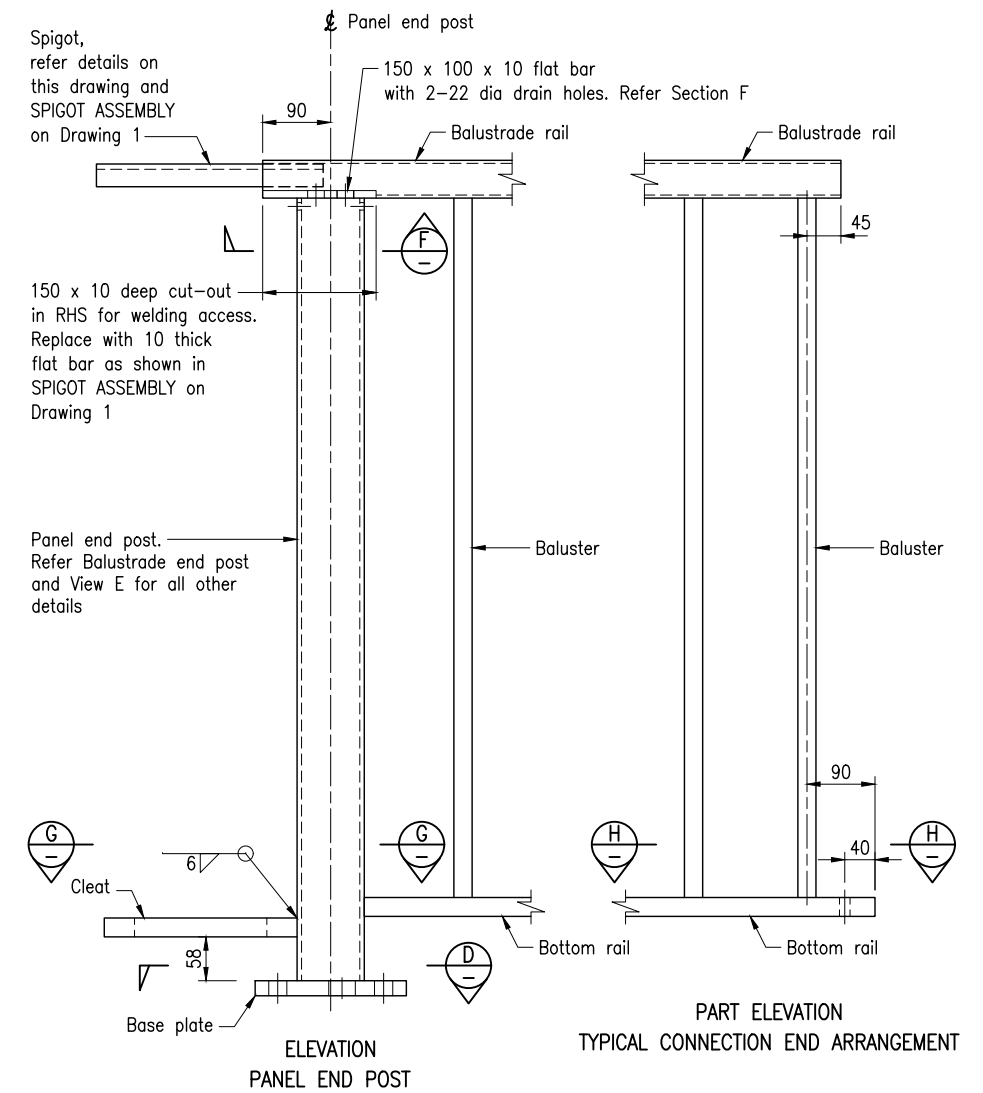
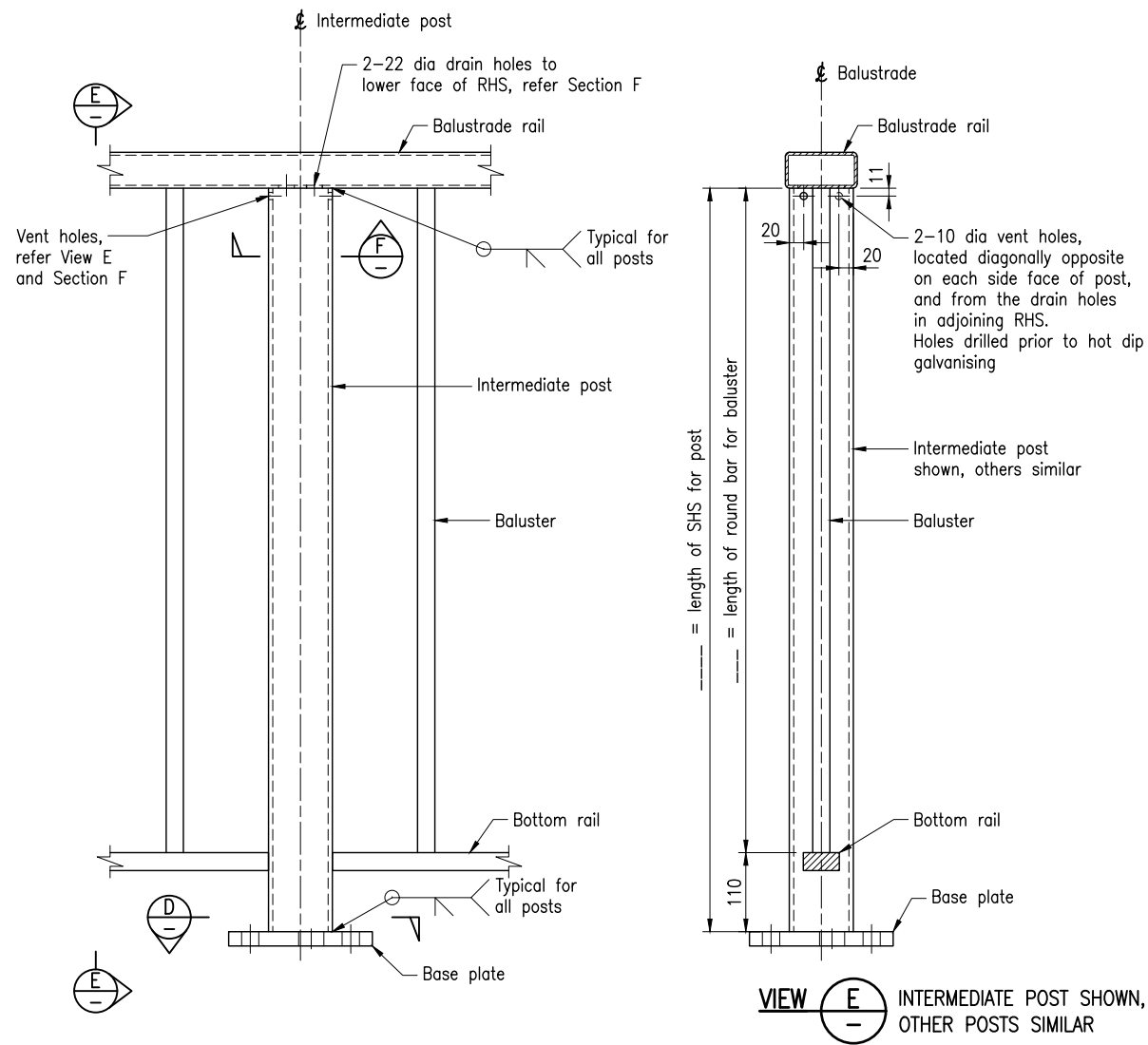
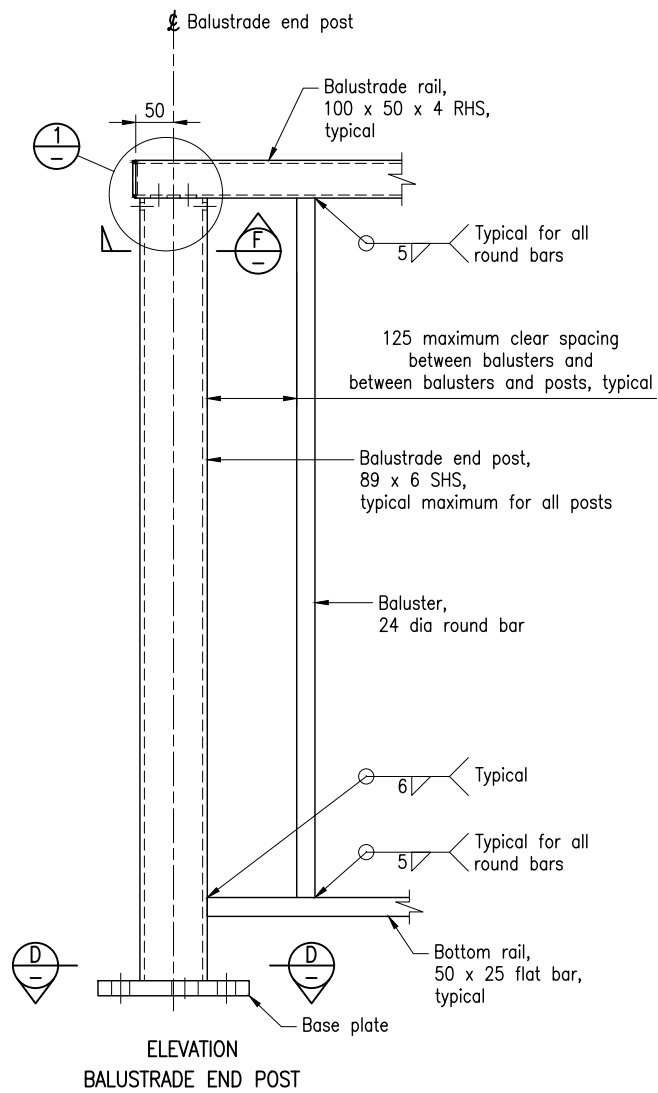
ASSOCIATED DOCUMENTS:
Design Criteria for Bridges and other Structures

REFERENCED DEPARTMENTAL SPECIFICATIONS:
MRTS78 Fabrication of Structural Steelwork
MRTS80 Supply and Erection of Bridge Barrier
MRTS278 Supply of Structural Fasteners

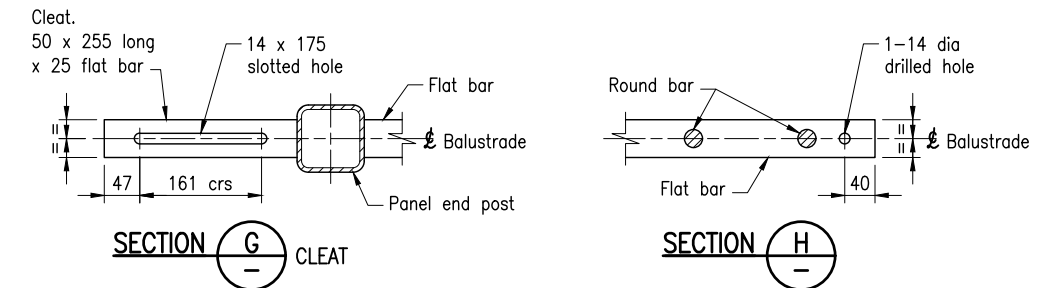
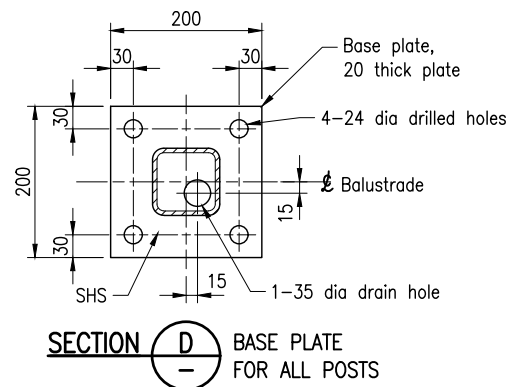
Department of Transport and Main Roads		 © The State of Queensland (Department of Transport and Main Roads) 2022 https://creativecommons.org/licenses/by/4.0/	
BRIDGE TRAFFIC BARRIERS			
BRIDGE BALUSTRADE FOR PEDESTRIAN ONLY PATH		A3	Standard Drawing No
DRAWING 1 OF 2		Not to Scale	2204
		A	Date 3/2022



SPIGOT No OFF = —



POST AND PANEL FABRICATION DETAILS



Department of Transport and Main Roads			
BRIDGE TRAFFIC BARRIERS			
BRIDGE BALUSTRADE FOR PEDESTRIAN ONLY PATH		A3	Standard Drawing No
DRAWING 2 OF 2		Not to Scale	2204
		A	Date 3/2022