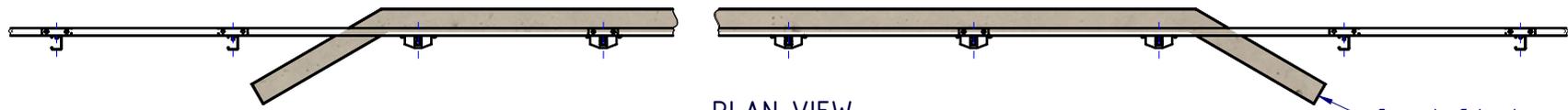
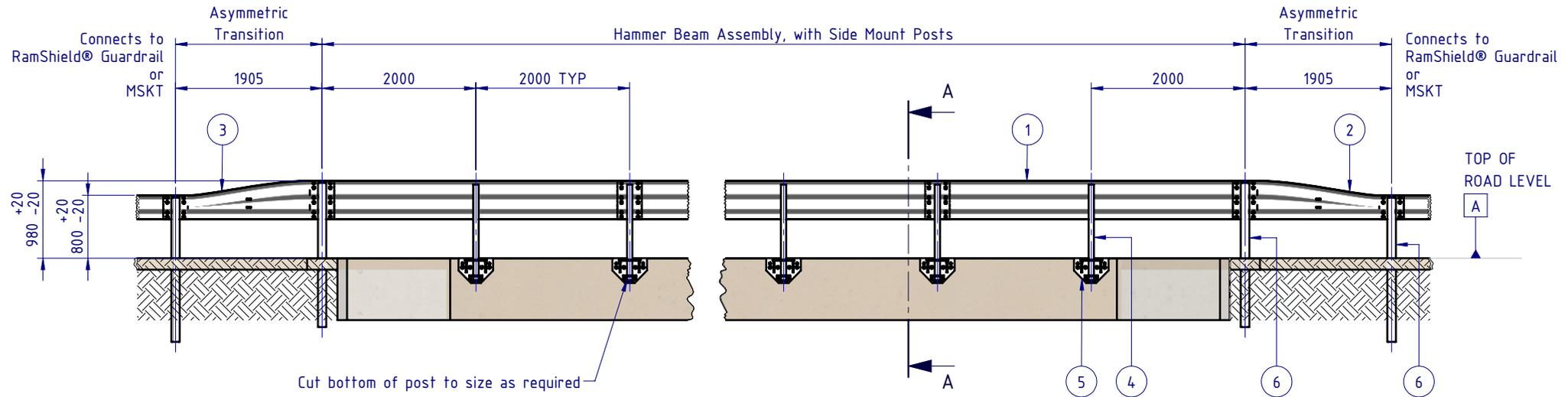


REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue	12/12/2023	HW
B		Notes & Annotations Revised	12/01/2024	HW
C		Notes & Annotations Revised	22/01/2024	HW



PLAN VIEW

Concrete Culvert
For reference only.



REAR ELEVATION VIEW

Notes:

1. Hammer Beam has been evaluated in accordance with MASH Test Level 3 (2270kg pick-up truck travelling at 100km/h and 25 degrees).
2. Impact assessment has been undertaken with Hammer Beam positioned behind a 200mm high hob.
3. RamShield posts are sawcut onsite to achieve the specified thriebeam rail height.
4. Following cutting of RamShield posts to site specific lengths, apply two (2) coats of a zinc rich paint.

BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-TB-SR-4000-AG	Thrie-Beam Guardrail; 2.7mm BMT 4.0m NLL, 2.0m CTRS	67.0
2	GE-TB-SR-1905-AG	Assymetric Approach W-Beam to Thrie-Beam Transition	36.5
3	GE-TB-SR-1905-DG	Assymetric Departure Thrie-Beam to W-Beam Transition	36.5
4	GR-PG-SS-1560-AG	RamShield® Standard Post 1560mm	11.8
5	GR-BR-MX-0001-BG	Hammer Beam Side Mounted Bridge Bracket	24.0
6	GR-PG-CS-1860-AG	RamShield® High Containment Post 1860mm	23.9
7	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
8	GR-FS-16-0035-HZ	M16x35 HEX BOLT Gr4.6, HDG (OPTIONAL)	

MATERIAL:		SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Road Barriers - Bridge Barriers Hammer Beam Side-Mount Posts General Arrangement	
FINISH: HOT DIP GALVANISED AS/NZS 4680			DWG NO. SD-RB-03003	
STATUS	NAME	DATE	REVISION: C	SHEET SIZE: A4
DRAWN	W. Refahi	12/12/2023	WEIGHT: 19647.95kg	
CHK'D	T. Colquhoun	12/12/2023	SCALE: 1:75	
APPV'D	H. Wallace	12/12/2023	SHEET 1 of 4	

APPROVED

1 2 3 4 5 6

A

B

C

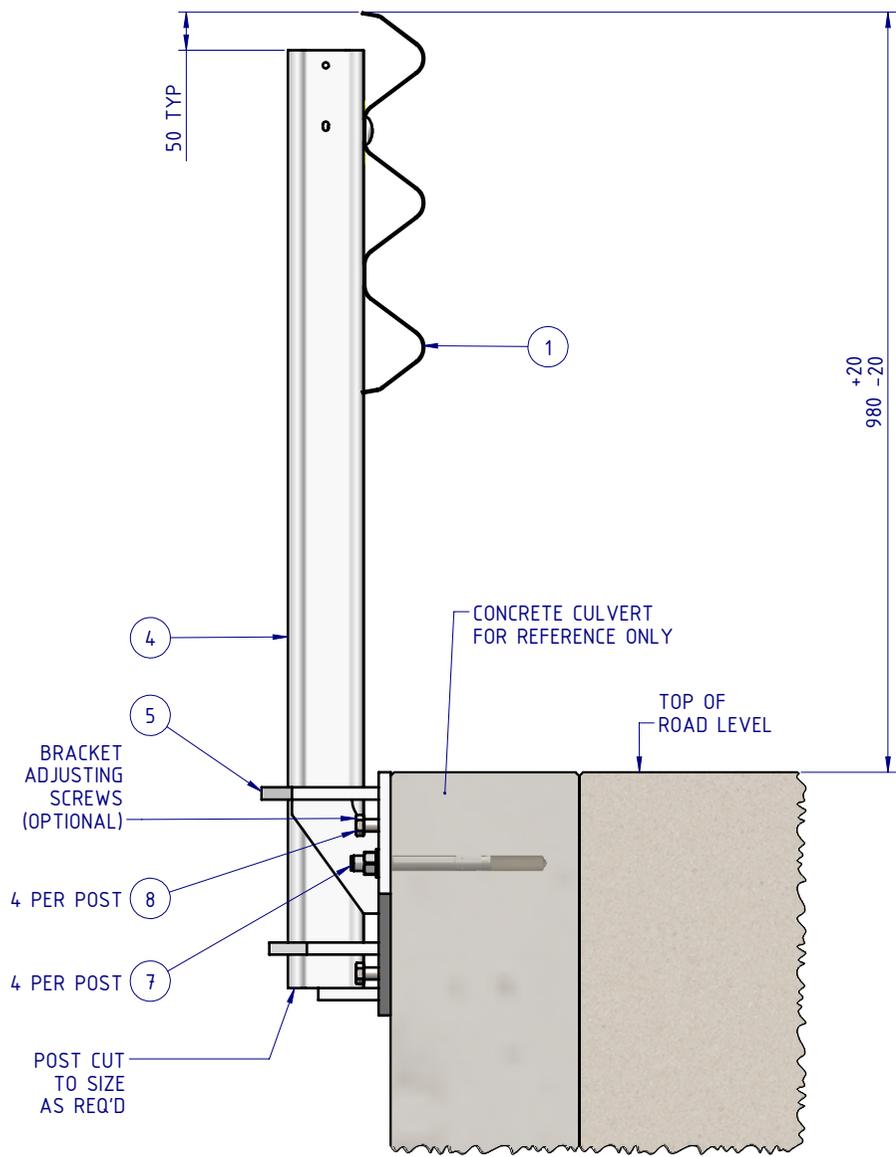
D

A

B

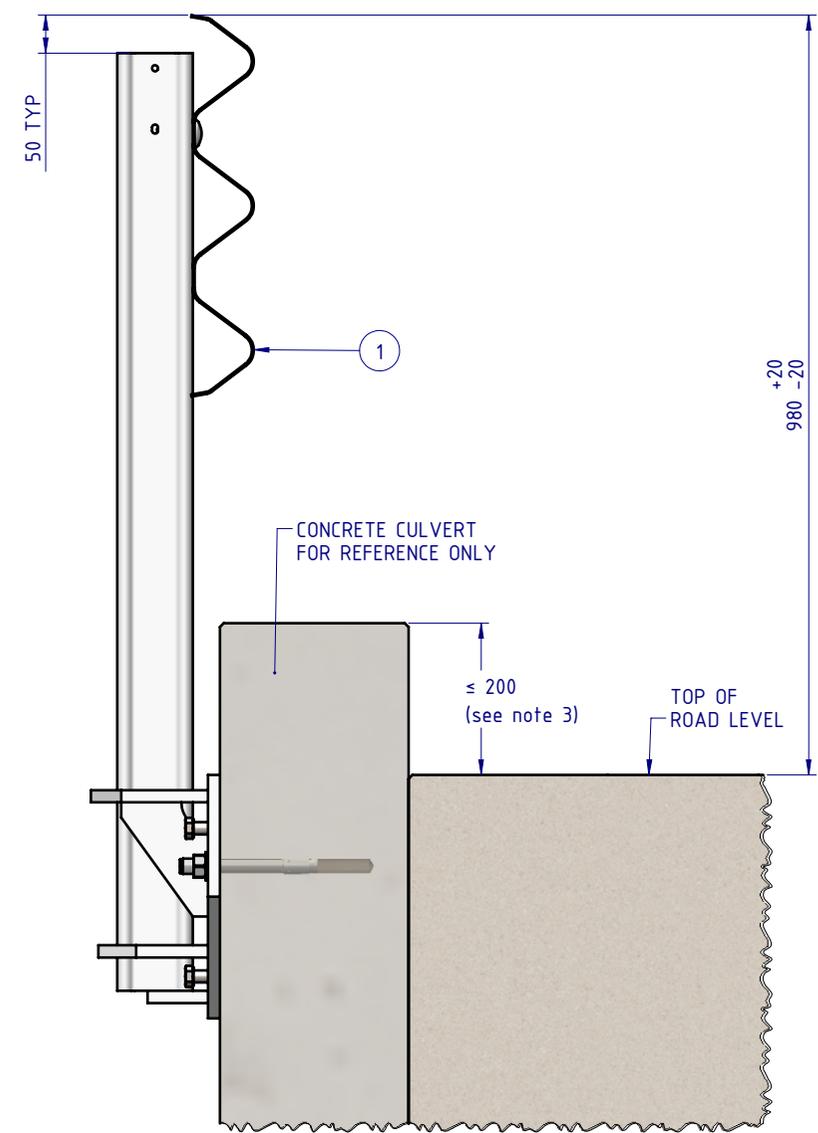
C

D



INSTALLATION WITHOUT HOB

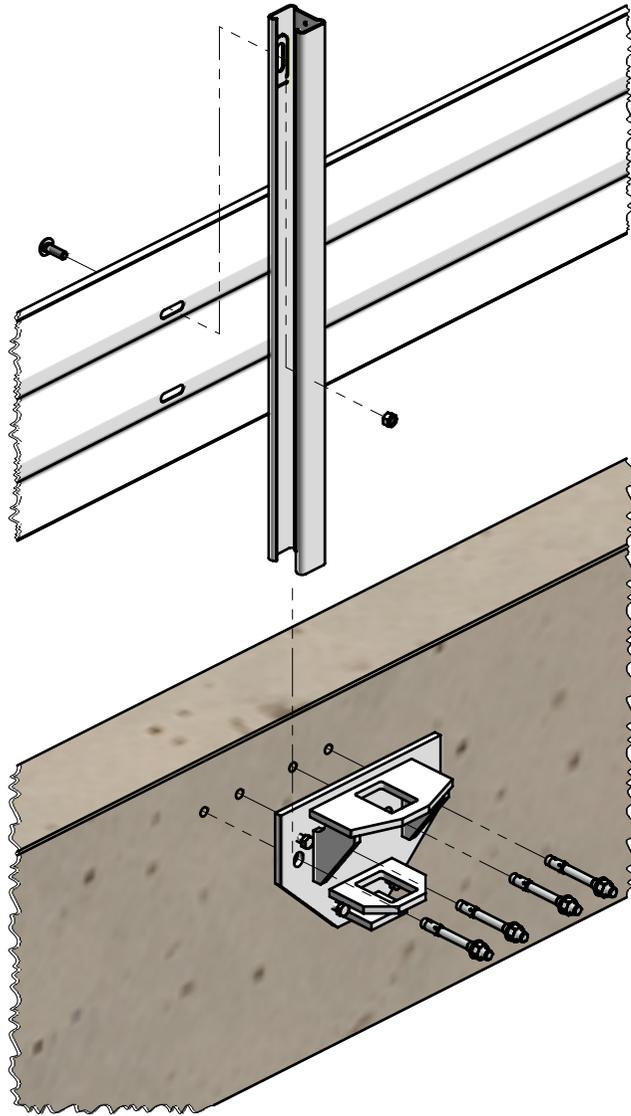
SECTION A-A



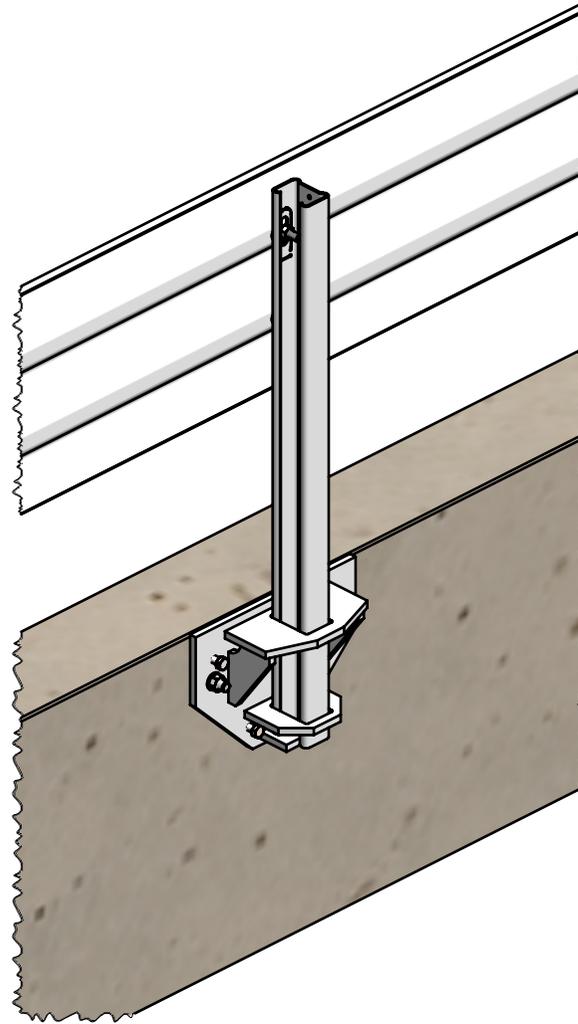
INSTALLATION WITH HOB

MATERIAL: FINISH: HOT DIP GALVANISED AS/NZS 4680			 SafeDirection CRASH BARRIER SOLUTIONS		TITLE: Road Barriers - Bridge Barriers Hammer Beam Side-Mount Posts General Arrangement		
STATUS: DRAWN CHK'D APPV'D	NAME: W. Refahi T. Colquhoun H. Wallace	DATE: 12/12/2023 12/12/2023 12/12/2023	<small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684</small> <small>These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission.</small> <small>U.N.O. TOLERANCES: ±1mm</small> <small>ALL DIMENSIONS ARE IN: mm</small>		DWG NO.: SD-RB-03003	REVISION: C	SHEET SIZE: A4
STATUS: 			WEIGHT: 19647.95kg	<small>DO NOT SCALE DRAWING</small>	SCALE: 1:10	SHEET 2 of 4	

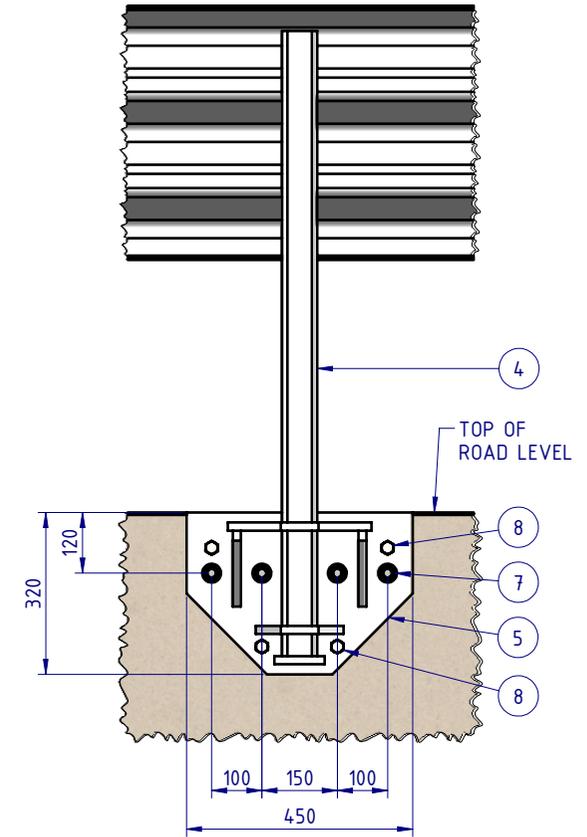
1 2 3 4 5 6



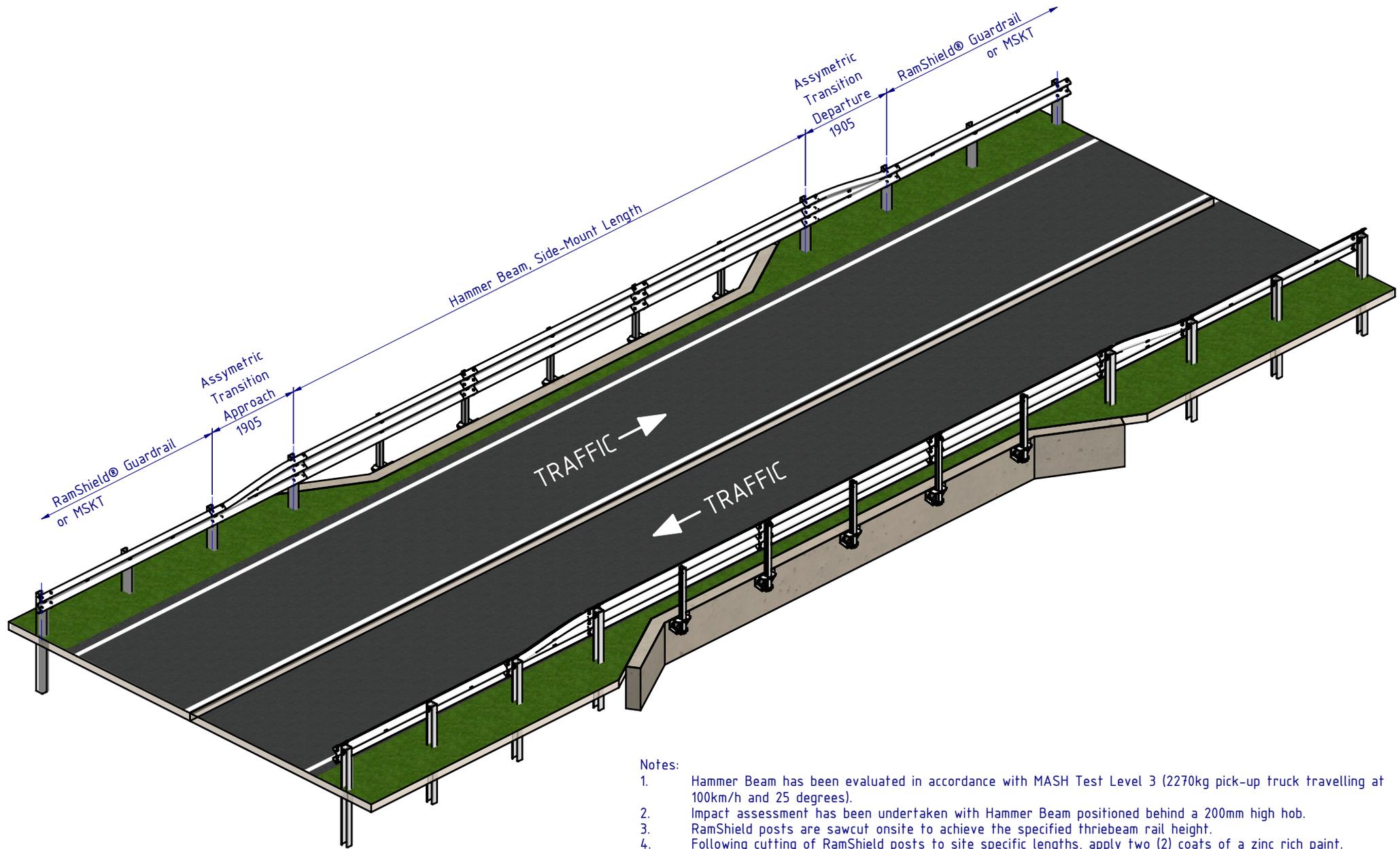
HAMMER BEAM SIDE MOUNTED BRIDGE BRACKET
EXPLODED VIEW



HAMMER BEAM SIDE MOUNTED BRIDGE BRACKET
ASSEMBLED VIEW

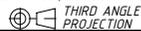


MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Road Barriers - Bridge Barriers Hammer Beam Side-Mount Posts General Arrangement				
FINISH: HOT DIP GALVANISED AS/NZS 4680				DWG NO. SD-RB-03003				
STATUS	NAME	DATE	<small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684 These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission.</small>			REVISION: C	SHEET SIZE: A4	
DRAWN	W. Refahi	12/12/2023				WEIGHT: 19647.95kg	SCALE: 1:15	SHEET 3 of 4
CHK'D	T. Colquhoun	12/12/2023				<small>U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small>		
APPV'D	H. Wallace	12/12/2023				<small>THIRD ANGLE PROJECTION</small>		
STATUS: APPROVED			<small>DO NOT SCALE DRAWING</small>			<small>Friday, 12 January 2024 10:56:00 AM</small>		



Notes:

1. Hammer Beam has been evaluated in accordance with MASH Test Level 3 (2270kg pick-up truck travelling at 100km/h and 25 degrees).
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MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Road Barriers - Bridge Barriers Hammer Beam Side-Mount Posts General Arrangement				
FINISH: HOT DIP GALVANISED AS/NZS 4680				DWG NO. SD-RB-03003				
STATUS	NAME	DATE	<small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684 These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission. U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small> 			REVISION: C	SHEET SIZE: A4	
DRAWN	W. Refahi	12/12/2023				WEIGHT: 19647.95kg	SCALE: 1:85	SHEET 4 of 4
CHK'D	T. Colquhoun	12/12/2023				DO NOT SCALE DRAWING		
APPV'D	H. Wallace	12/12/2023				SCALE: 1:85		
STATUS: APPROVED			Friday, 12 January 2024 10:56:00 AM					