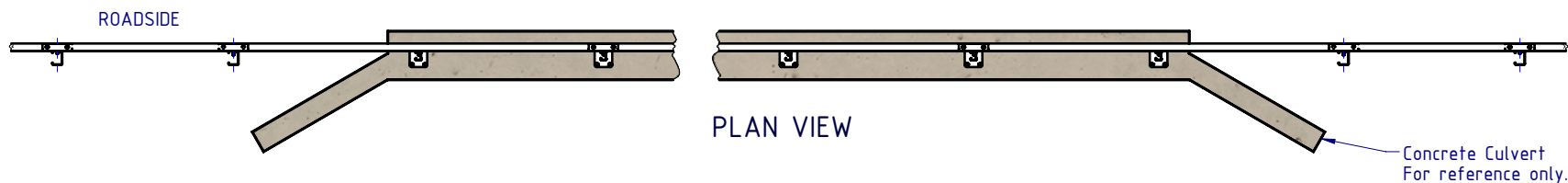
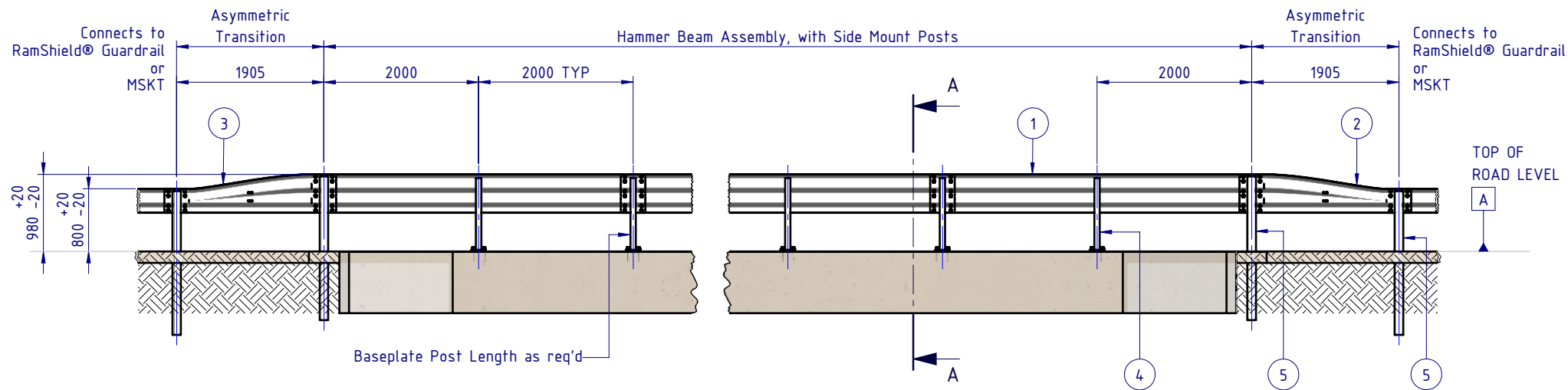


| REVISIONS |      |                             |            |        |
|-----------|------|-----------------------------|------------|--------|
| REV.      | ZONE | DESCRIPTION                 | DATE       | APPV'D |
| A         |      | Original Issue              | 11/01/2024 | HW     |
| B         |      | Notes & Annotations Revised | 22/01/2024 | HW     |



PLAN VIEW



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.

| 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-PB-SS-0950-AG | RamShield® Post on Baseplate 950mm                   | 15.4      |
| 5        | GR-PG-CS-1860-AG | RamShield® High Containment Post 1860mm              | 23.9      |
| 6        | GR-FS-20-0187-HG | FISCHER FBN II, M20x187mm                            | 0.5       |
| 7        | GR-FS-16-0050-MZ | M16x50 Mushroom Head POST Bolt Class 4.6 HDG         | 0.1       |
| 8        | GR-FS-16-0000-NG | M16 Hex Nut, Class 5, HDG                            | 0         |

MATERIAL:

FINISH: HOT DIP GALVANISED AS/NZS 4680

| STATUS | NAME         | DATE       |
|--------|--------------|------------|
| DRAWN  | W. Refahi    | 10/01/2024 |
| CHK'D  | T. Colquhoun | 11/01/2024 |
| APPV'D | H. Wallace   | 11/01/2024 |

**SafeDirection**  
CRASH BARRIER SOLUTIONS

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U.N.O: TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm

**APPROVED**

TITLE: Road Barriers - Bridge Barriers  
Hammer Beam  
Surface-Mount Posts  
General Arrangement

DWG NO: SD-RB-03004

REVISION: B

SHEET SIZE: A4

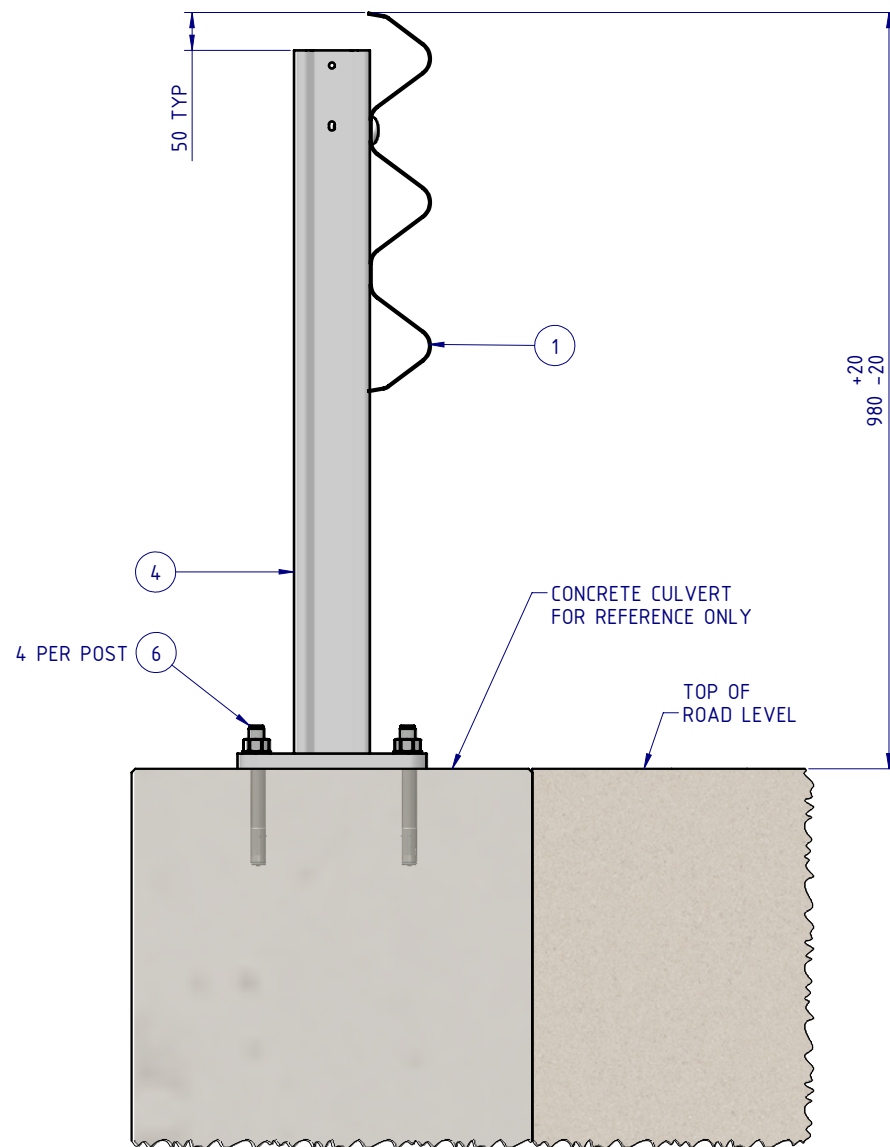
WEIGHT: 20555.33kg

SCALE: 1:75

SHEET 1 of 4

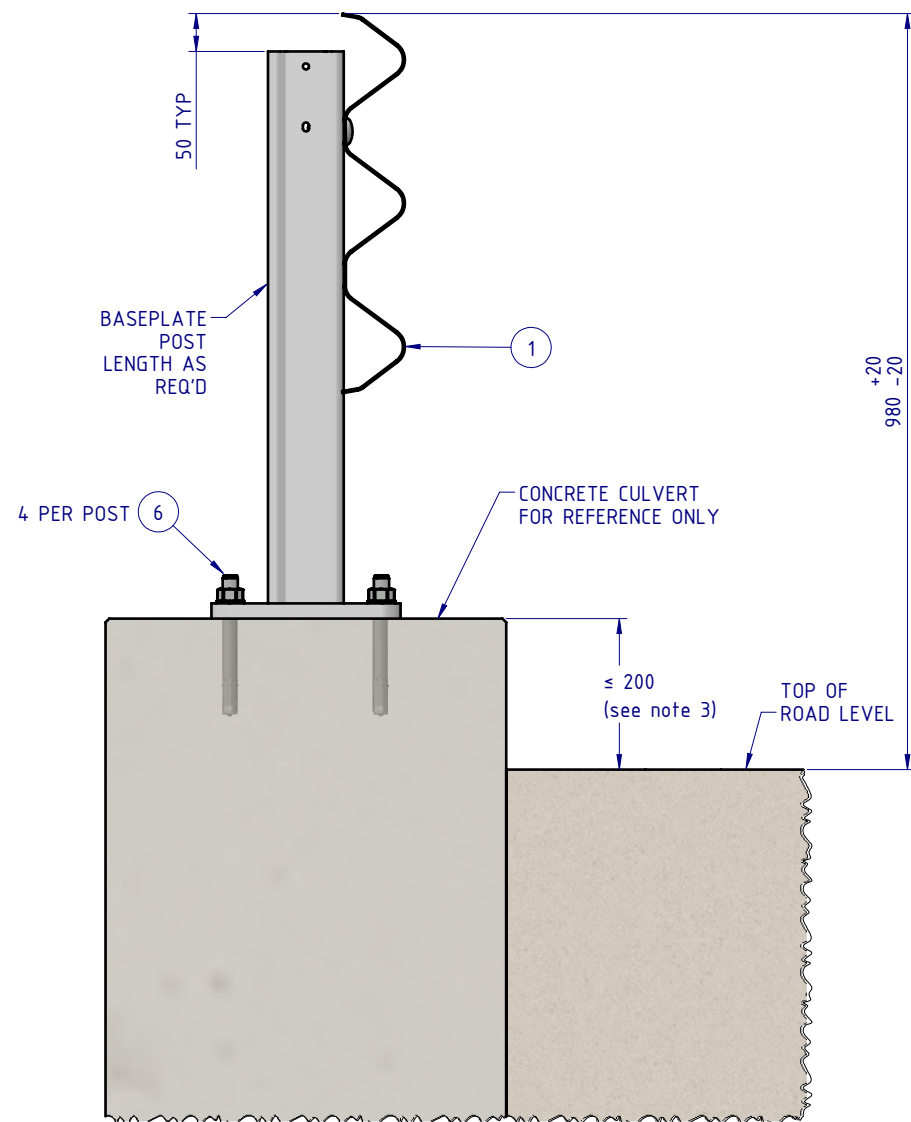
DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION




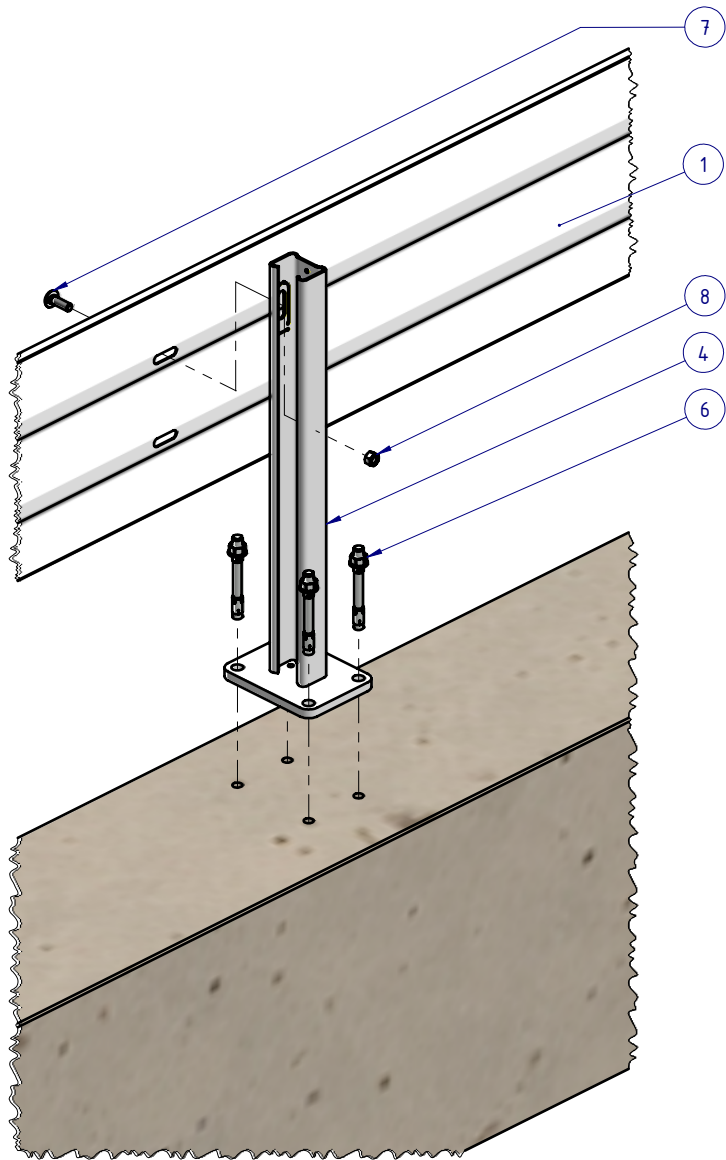
INSTALLATION WITHOUT HOB

SECTION A-A

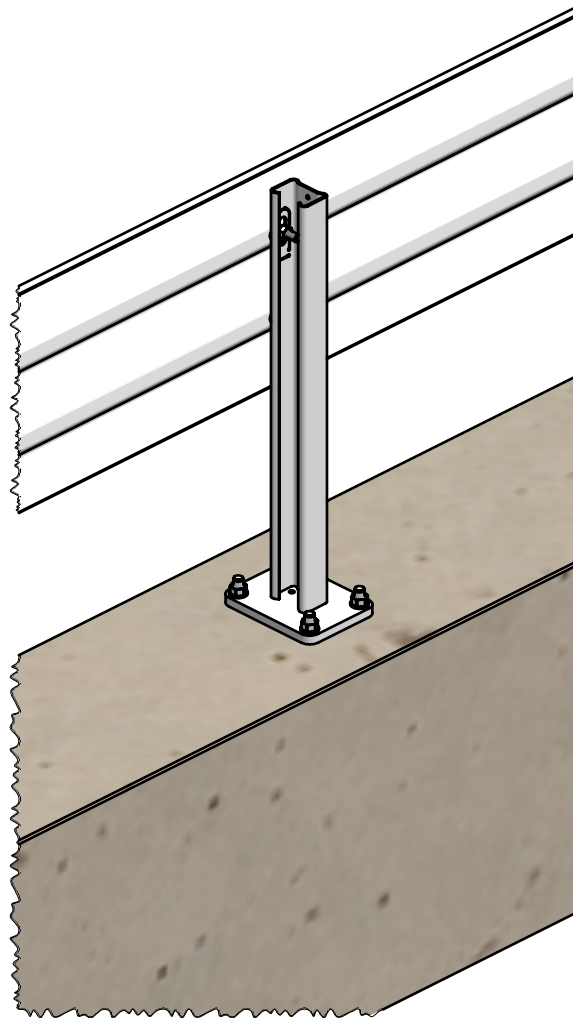


INSTALLATION WITH HOB

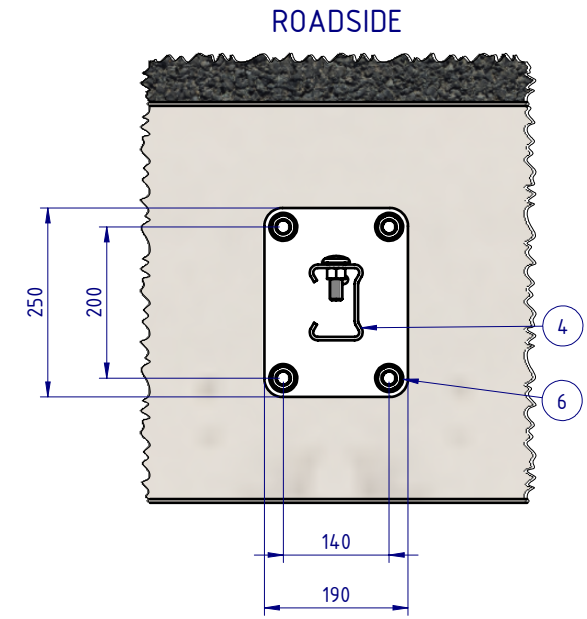
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|---|--------------|------------|--|---|-------------------------|-------------|--------------|
| MATERIAL:                                 |              |            |  <div><b>SafeDirection</b><br/>CRASH BARRIER SOLUTIONS</div>  | TITLE: Road Barriers – Bridge Barriers<br>Hammer Beam<br>Surface-Mount Posts<br>General Arrangement |                         |             |              |
| FINISH: HOT DIP GALVANISED<br>AS/NZS 4680 |              |            |  |   |                         |             |              |
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| DRAWN                                     | W. Refahi    | 10/01/2024 |  | SD-RB-03004   | B                       | A4          |              |
| CHK'D                                     | T. Colquhoun | 11/01/2024 |  |   |                         |             |              |
| APPV'D                                    | H. Wallace   | 11/01/2024 |  |   |                         |             |              |
| STATUS:                                   |              |            | <div>APPROVED</div>  | WEIGHT: 20555.33kg  | DO NOT SCALE<br>DRAWING | SCALE: 1:10 | SHEET 2 of 4 |



HAMMER BEAM SURFACE-MOUNT  
EXPLODED VIEW



HAMMER BEAM SURFACE-MOUNT  
ASSEMBLED VIEW



TOP VIEW - SECTION

SCALE 1:10

(GUARDRAIL HIDDEN FOR CLARITY)

|   |              |            |
|---|--------------|------------|
| MATERIAL:                                 |              |            |
| FINISH: HOT DIP GALVANISED<br>AS/NZS 4680 |              |            |
| STATUS                                    | NAME         | DATE       |
| DRAWN                                     | W. Refahi    | 10/01/2024 |
| CHK'D                                     | T. Colquhoun | 11/01/2024 |
| APPV'D                                    | H. Wallace   | 11/01/2024 |

**SafeDirection**  
CRASH BARRIER SOLUTIONS

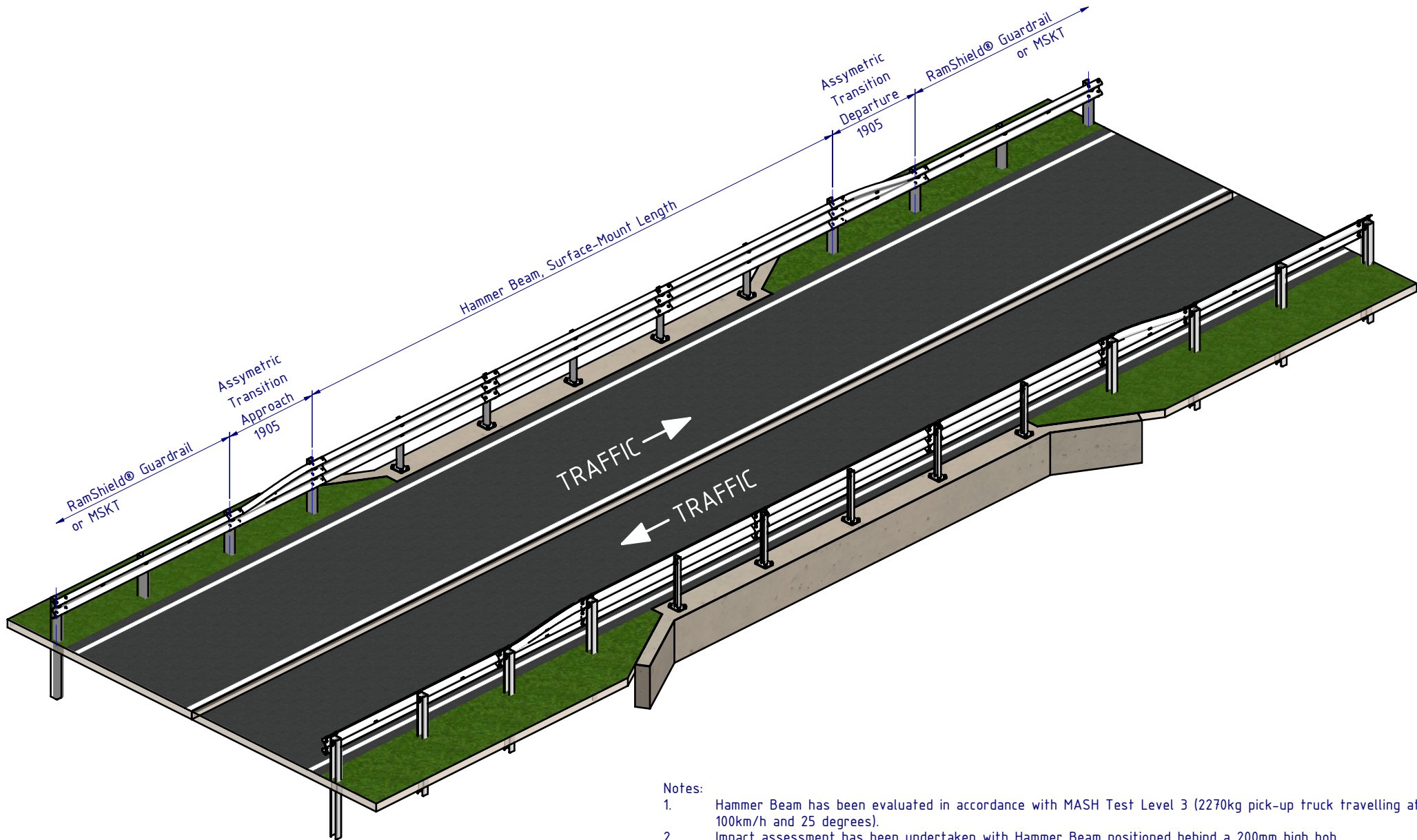
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U.N.O: TOLERANCES:  $\pm 1\text{mm}$   
ALL DIMENSIONS ARE IN: mm



THIRD ANGLE  
PROJECTION

**APPROVED**

|   |                         |             |              |
|---|-------------------------|-------------|--------------|
| TITLE: Road Barriers - Bridge Barriers<br>Hammer Beam<br>Surface-Mount Posts<br>General Arrangement |                         |             |              |
| DWG NO:   | SD-RB-03004             | REVISION:   | SHEET SIZE   |
| WEIGHT: 20555.33kg  | DO NOT SCALE<br>DRAWING | SCALE: 1:15 | SHEET 3 of 4 |



- 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.

|   |              |            |  |   |  |  |                    |                      |
|---|--------------|------------|--|---|--|--|--------------------|----------------------|
| MATERIAL:                                 |              |            |  <div><b>SafeDirection</b><br/>CRASH BARRIER SOLUTIONS</div>  | TITLE: Road Barriers – Bridge Barriers<br>Hammer Beam<br>Surface-Mount Posts<br>General Arrangement |  |  |                    |                      |
| FINISH: HOT DIP GALVANISED<br>AS/NZS 4680 |              |            |  | DWG NO. SD-RB-03004   |  |  |                    |                      |
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| DRAWN                                     | W. Refahi    | 10/01/2024 | U.N.O: TOLERANCES: ±1mm<br>ALL DIMENSIONS ARE IN: mm<br> THIRD ANGLE PROJECTION   |   |  |  | B                  | A4                   |
| CHK'D                                     | T. Colquhoun | 11/01/2024 |  |   |  |  |                    |                      |
| APPV'D                                    | H. Wallace   | 11/01/2024 | STATUS: <b>APPROVED</b>  |   |  |  | WEIGHT: 20555.33kg | DO NOT SCALE DRAWING |
|   |              |            |  |   |  |  | SCALE: 1:85        | SHEET 4 of 4         |