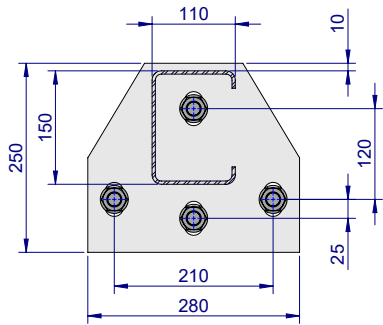
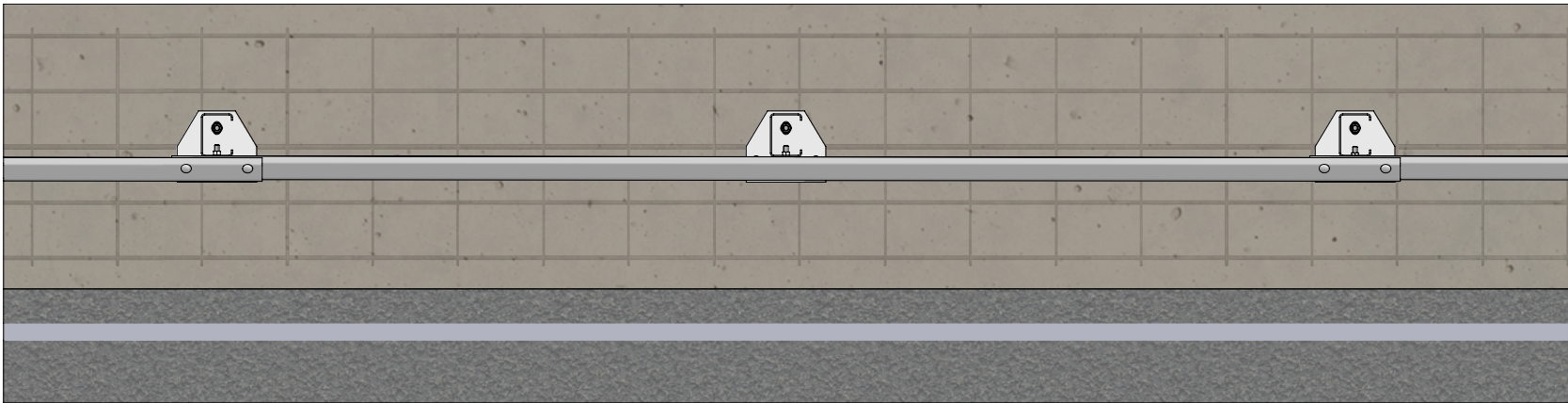


- NOTES:
- The Thrie-Beam guardrail panel is punched at 1m centres to facilitate attachment of BikerShield motorcycle protection barrier.
  - Anchor assembly to comprise one of the following options:
    - Four (4) off M20x187mm Galvanised Fischer FBN II (as shown). Minimum embedment depth of 125mm, each anchor torqued to 200Nm.
    - Four (4) off M20 Galvanised Rods Class 8.8. Minimum embedment depth of 170mm, secured with Hilti HIT-HY 200-R V3. Each anchor torqued to 150Nm.
  - The Thrie-Beam guardrail panel may be bolted to the Post using a M16x32mm, M16x50mm or M16x40mm Hex Drive, Mushroom Head Bolt, with a standard or oversize M16 Hex Nut.

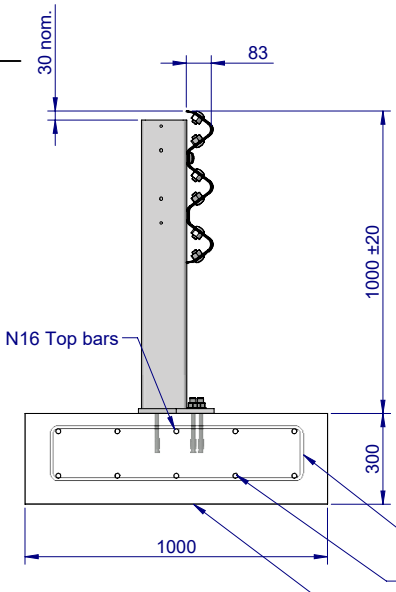
| REVISIONS |      |                                            |            |        |
|-----------|------|--------------------------------------------|------------|--------|
| REV.      | ZONE | DESCRIPTION                                | DATE       | APPV'D |
| C         |      | Item 1, updated (PG > PB)                  | 11/11/2022 | HW     |
| D         |      | M16 Nuts changed from Oversize to Standard | 21/02/2023 | HW     |
| E         |      | Item 3 changed to GR-FS-16-0050-MG         | 19/05/2023 | HW     |
| F         |      | Updated NOTES, #2. a.                      | 09/04/2025 | HW     |
| G         |      | Note 3 added                               | 11/09/2026 | HW     |



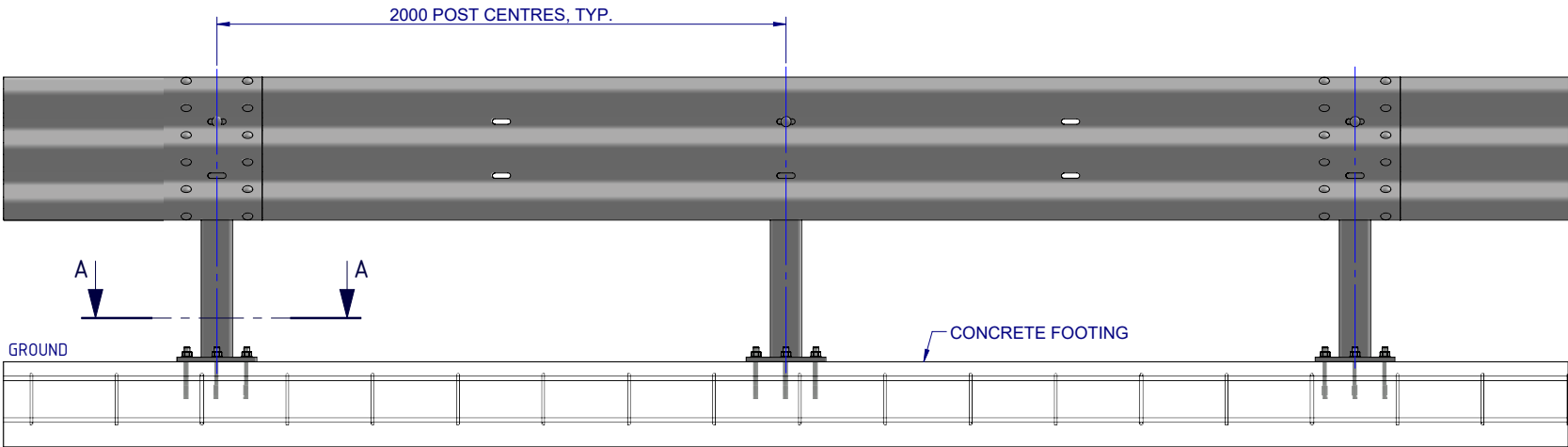
SECTION A-A  
SCALE 1:10  
POST & BASE PLATE  
DETAIL  
FOOTINGS HIDDEN FOR CLARITY



PLAN VIEW



SIDE ELEVATION  
TYPICAL CONCRETE STRIP  
FOOTING DETAIL  
(Ref. SD Drawing SD-RB-02018)



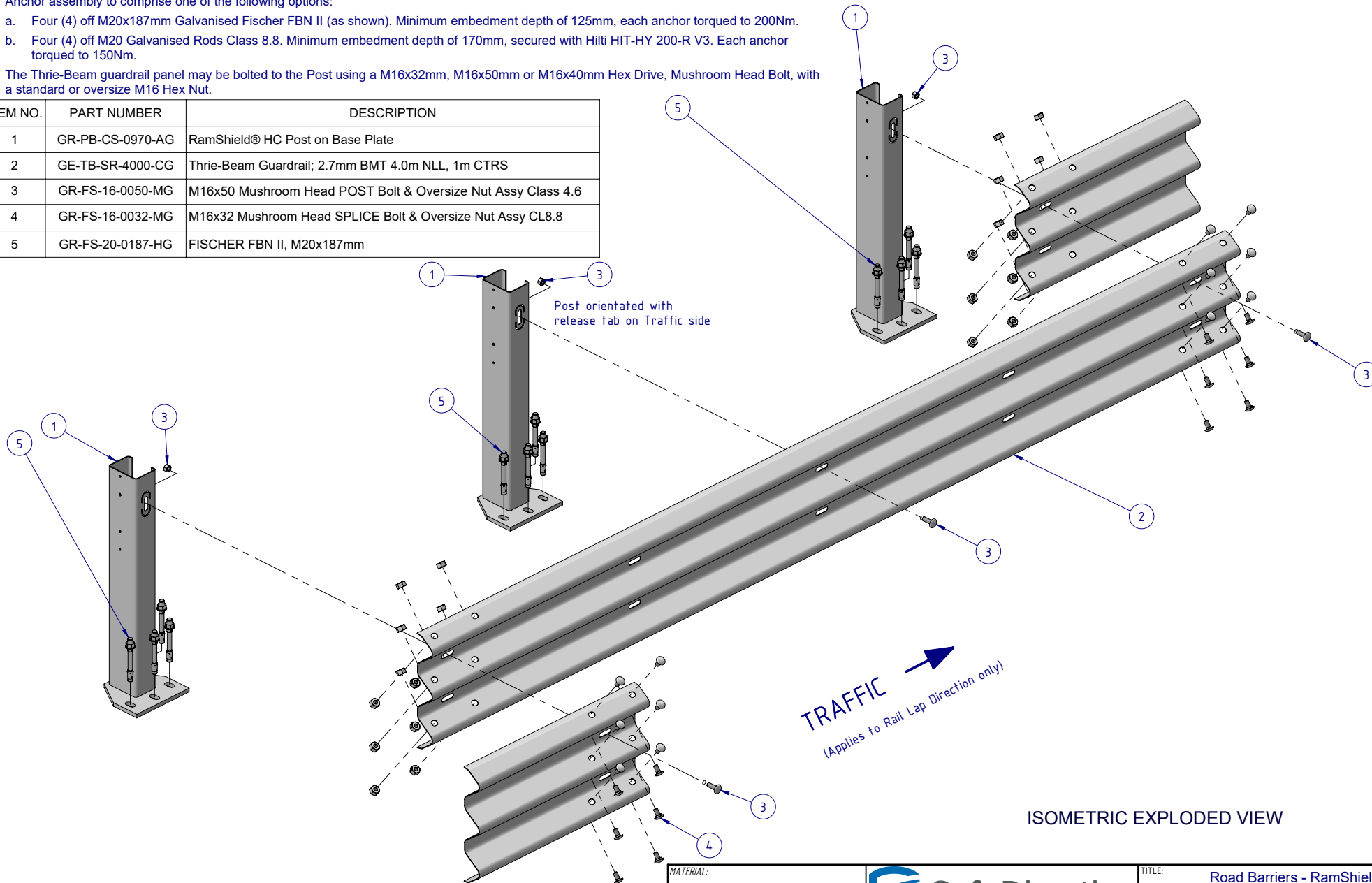
FRONT ELEVATION

|           |              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |  |  |  |  |  |  |
|-----------|--------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| MATERIAL: |              |            |  <b>SafeDirection</b><br>CRASH BARRIER SOLUTIONS                                                                                                                                                                                                                                                                                                                             | TITLE: Road Barriers - RamShield® HC<br>RamShield® HC, 2m Post Ctrs, 970mm<br>Posts on Baseplate, 1m Post Hole Ctrs<br>General Arrangement                                                 |  |  |  |  |  |  |
| FINISH:   |              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DWG NO. <b>SD-RB-02015</b><br><br>REVISION: <b>G</b> SHEET SIZE <b>A4</b><br><br>WEIGHT: <b>1827.9kg</b> <small>DO NOT SCALE DRAWING</small> SCALE: <b>1:25</b> SHEET <b>1</b> of <b>3</b> |  |  |  |  |  |  |
| STATUS    | NAME         | DATE       | <small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684<br/>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.<br/>U.N.O. TOLERANCES: ±1mm<br/>ALL DIMENSIONS ARE IN: mm</small><br> <b>THIRD ANGLE PROJECTION</b> |                                                                                                                                                                                            |  |  |  |  |  |  |
| DRAWN     | W. Rogulski  | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |  |  |  |  |  |  |
| CHK'D     | T. Colquhoun | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |  |  |  |  |  |  |
| APPV'D    |              | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |  |  |  |  |  |  |
| STATUS:   |              |            | <b>Approved</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |  |  |  |  |  |  |

NOTES:

- The Thrie-Beam guardrail panel is punched at 1m centres to facilitate attachment of BikerShield motorcycle protection barrier.
- Anchor assembly to comprise one of the following options:
  - Four (4) off M20x187mm Galvanised Fischer FBN II (as shown). Minimum embedment depth of 125mm, each anchor torqued to 200Nm.
  - Four (4) off M20 Galvanised Rods Class 8.8. Minimum embedment depth of 170mm, secured with Hilti HIT-HY 200-R V3. Each anchor torqued to 150Nm.
- The Thrie-Beam guardrail panel may be bolted to the Post using a M16x32mm, M16x50mm or M16x40mm Hex Drive, Mushroom Head Bolt, with a standard or oversize M16 Hex Nut.

| ITEM NO. | PART NUMBER      | DESCRIPTION                                                  |
|----------|------------------|--------------------------------------------------------------|
| 1        | GR-PB-CS-0970-AG | RamShield® HC Post on Base Plate                             |
| 2        | GE-TB-SR-4000-CG | Thrie-Beam Guardrail; 2.7mm BMT 4.0m NLL, 1m CTRS            |
| 3        | GR-FS-16-0050-MG | M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6 |
| 4        | GR-FS-16-0032-MG | M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8   |
| 5        | GR-FS-20-0187-HG | FISCHER FBN II, M20x187mm                                    |



| MATERIAL: |              |            |
|-----------|--------------|------------|
| FINISH:   |              |            |
| STATUS    | NAME         | DATE       |
| DRAWN     | W. Rogulski  | 18/07/2022 |
| CHK'D     | T. Colquhoun | 18/07/2022 |
| APPV'D    |              | 18/07/2022 |

**SafeDirection**  
CRASH BARRIER SOLUTIONS

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

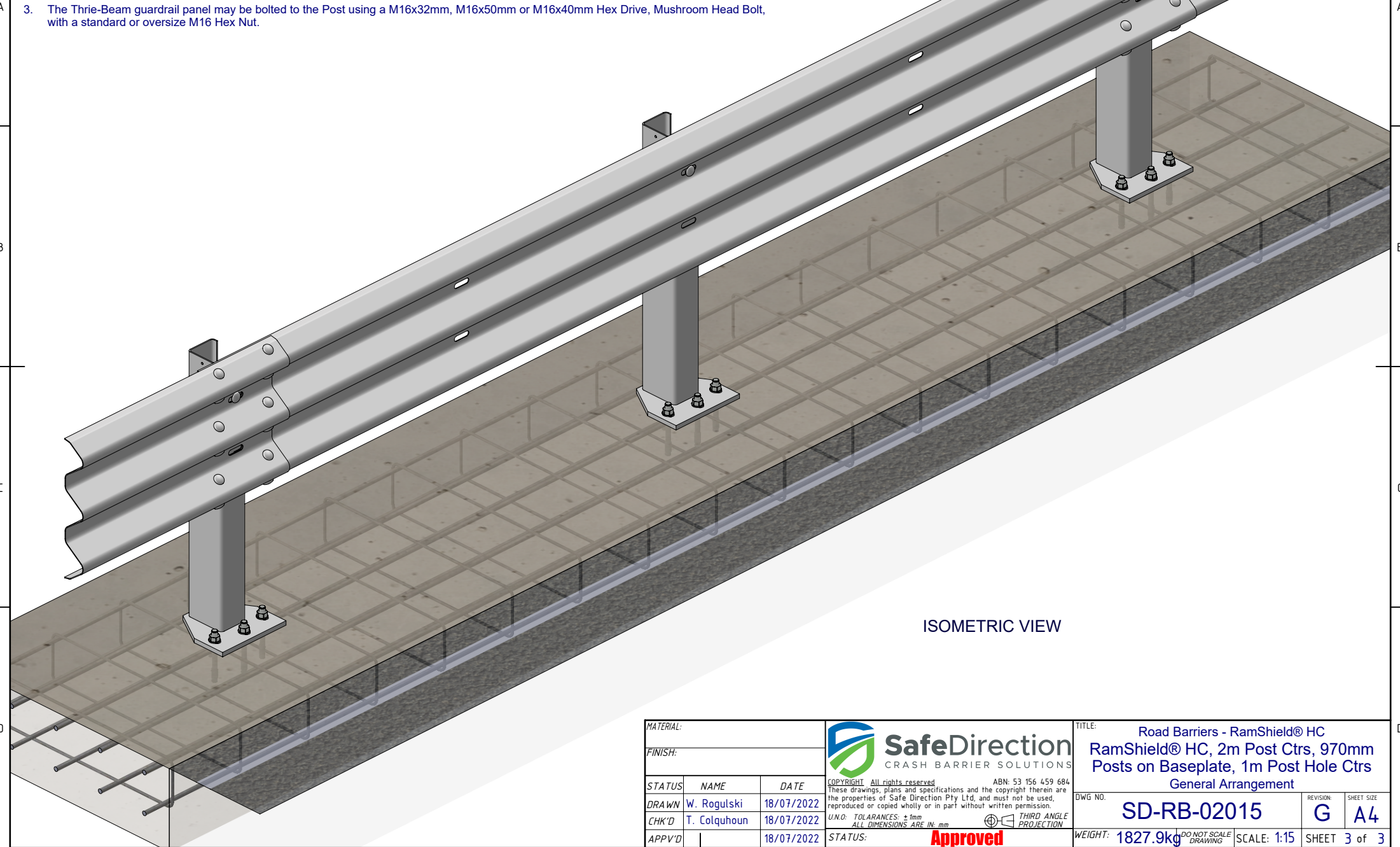
THIRD ANGLE PROJECTION

**Approved**

|                                                                                                                                            |             |                      |             |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------|
| TITLE: Road Barriers - RamShield® HC<br>RamShield® HC, 2m Post Ctrs, 970mm<br>Posts on Baseplate, 1m Post Hole Ctrs<br>General Arrangement |             |                      |             |
| DWG NO.                                                                                                                                    | SD-RB-02015 | REVISION             | SHEET SIZE  |
|                                                                                                                                            |             | G                    | A4          |
| WEIGHT:                                                                                                                                    | 1827.9kg    | DO NOT SCALE DRAWING | SCALE: 1:20 |
| SHEET 2 of 3                                                                                                                               |             |                      |             |

NOTES:

1. The Thrie-Beam guardrail panel is punched at 1m centres to facilitate attachment of BikerShield motorcycle protection barrier.
2. Anchor assembly to comprise one of the following options:
  - a. Four (4) off M20x187mm Galvanised Fischer FBN II (as shown). Minimum embedment depth of 125mm, each anchor torqued to 200Nm.
  - b. Four (4) off M20 Galvanised Rods Class 8.8. Minimum embedment depth of 170mm, secured with Hilti HIT-HY 200-R V3. Each anchor torqued to 150Nm.
3. The Thrie-Beam guardrail panel may be bolted to the Post using a M16x32mm, M16x50mm or M16x40mm Hex Drive, Mushroom Head Bolt, with a standard or oversize M16 Hex Nut.



|           |              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                            |             |              |          |            |
|-----------|--------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------|------------|
| MATERIAL: |              |            |  <b>SafeDirection</b><br>CRASH BARRIER SOLUTIONS                                                                                                                                                                                                                                                                                                                      |  |  | TITLE: Road Barriers - RamShield® HC<br>RamShield® HC, 2m Post Ctrs, 970mm<br>Posts on Baseplate, 1m Post Hole Ctrs<br>General Arrangement |             |              |          |            |
| FINISH:   |              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                            |             |              |          |            |
| STATUS    | NAME         | DATE       | <small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684<br/>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.<br/>U.N.O: TOLERANCES: ±1mm<br/>ALL DIMENSIONS ARE IN: mm</small><br> THIRD ANGLE PROJECTION |  |  | DWG NO.                                                                                                                                    | SD-RB-02015 |              | REVISION | SHEET SIZE |
| DRAWN     | W. Rogulski  | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | G                                                                                                                                          | A4          |              |          |            |
| CHK'D     | T. Colquhoun | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | WEIGHT: 1827.9kg                                                                                                                           |             |              |          |            |
| APPV'D    |              | 18/07/2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | DO NOT SCALE DRAWING                                                                                                                       |             |              |          |            |
|           |              |            | STATUS: <b>Approved</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  | SCALE: 1:15                                                                                                                                |             | SHEET 3 of 3 |          |            |