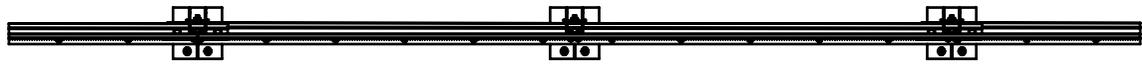


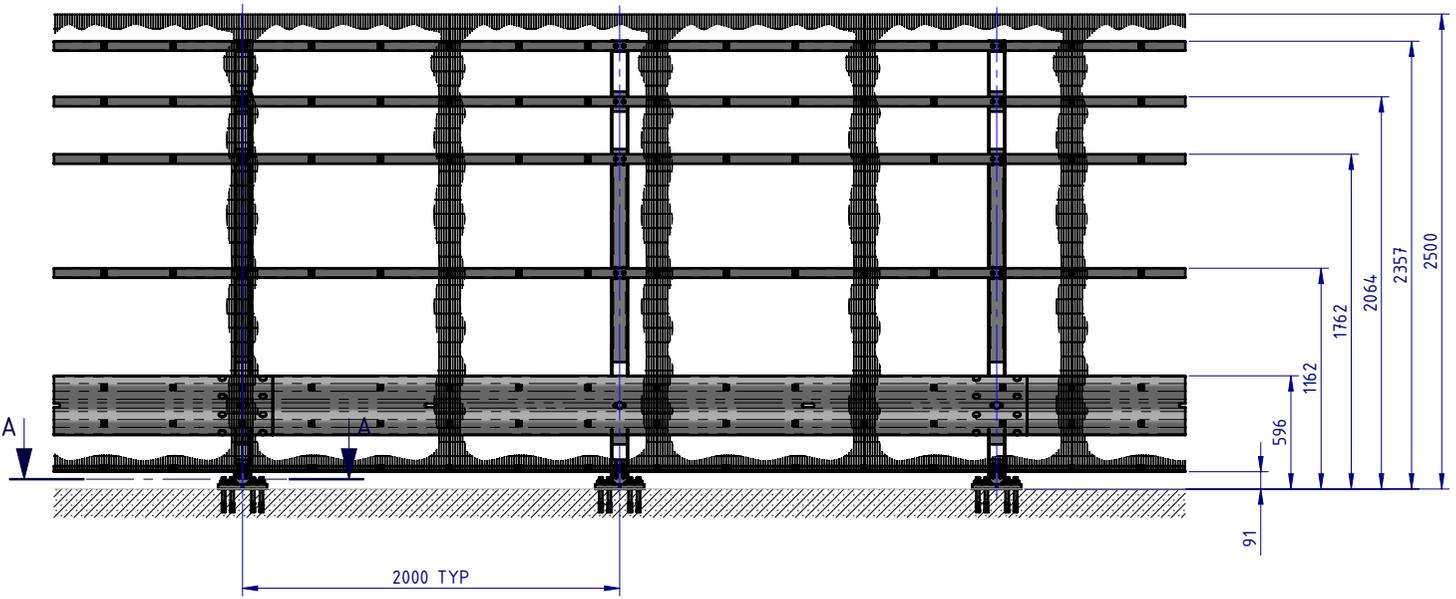
| Crash Test Performance | | | | |
|------------------------|--------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| Vehicle Type | Impact Speed | Impact Height | Impact Energy | Barrier Configuration |
| 2000 kg | 16 km/h | 0.5 m | 20.5 kJ | 6 m w-beam supported by four (4) posts at 2.0 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab. |
| 2000 kg | 23 km/h | 0.5 m | 39.7 kJ | 4 m w-beam supported by five (5) posts at 1.0 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab. |

| REVISIONS | | | | |
|-----------|------|----------------------------------------------|------------|--------|
| REV. | ZONE | DESCRIPTION | DATE | APPV'D |
| A | | Original Issue | 15/03/2022 | HW |
| B | | Performance & Installation Req. tables added | 23/02/2026 | HW |

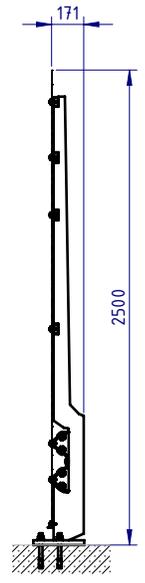
| Installation Requirements | | | | |
|---------------------------|-------------|--------|------------------|-------------------------------------|
| Anchor Type | Drill Depth | Torque | Anchors per Post | Minimum Concrete Slab Thickness (t) |
| M20 Fischer FBN II | 115 mm | 200 Nm | 4 off | 150 mm |



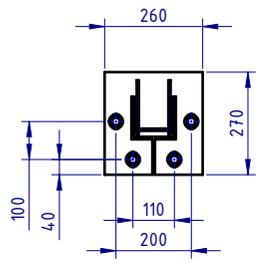
PLAN VIEW



FRONT ELEVATION



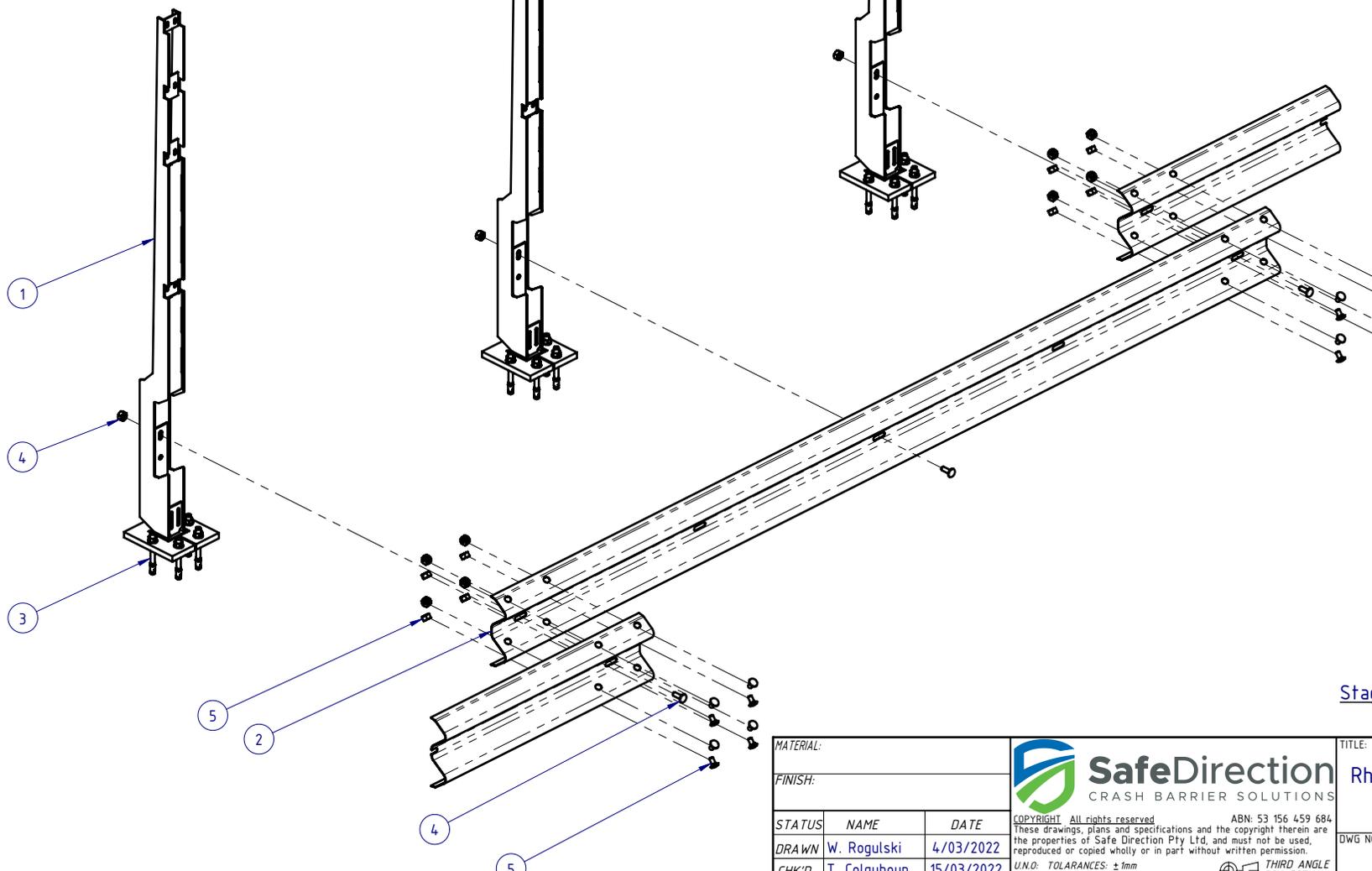
SIDE ELEVATION



SECTION A-A
Base Plate Detail
SCALE 1:20

| | | | | | | |
|------------------------------------------------------|--------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | |
| FINISH: | | | | General Arrangement | | |
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| DRAWN | W. Rogulski | 4/03/2022 | DWG NO. SD-CP-06005 | | | |
| CHK'D | T. Colquhoun | 15/03/2022 | REVISION: B SHEET SIZE: A4 | | | |
| APPV'D | H. Wallace | 15/03/2022 | SCALE: 1:40 SHEET 1 of 7 | | | |
| U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm | | | WEIGHT: 263.9kg | | | |
| STATUS: APPROVED | | | DO NOT SCALE DRAWING | | | |

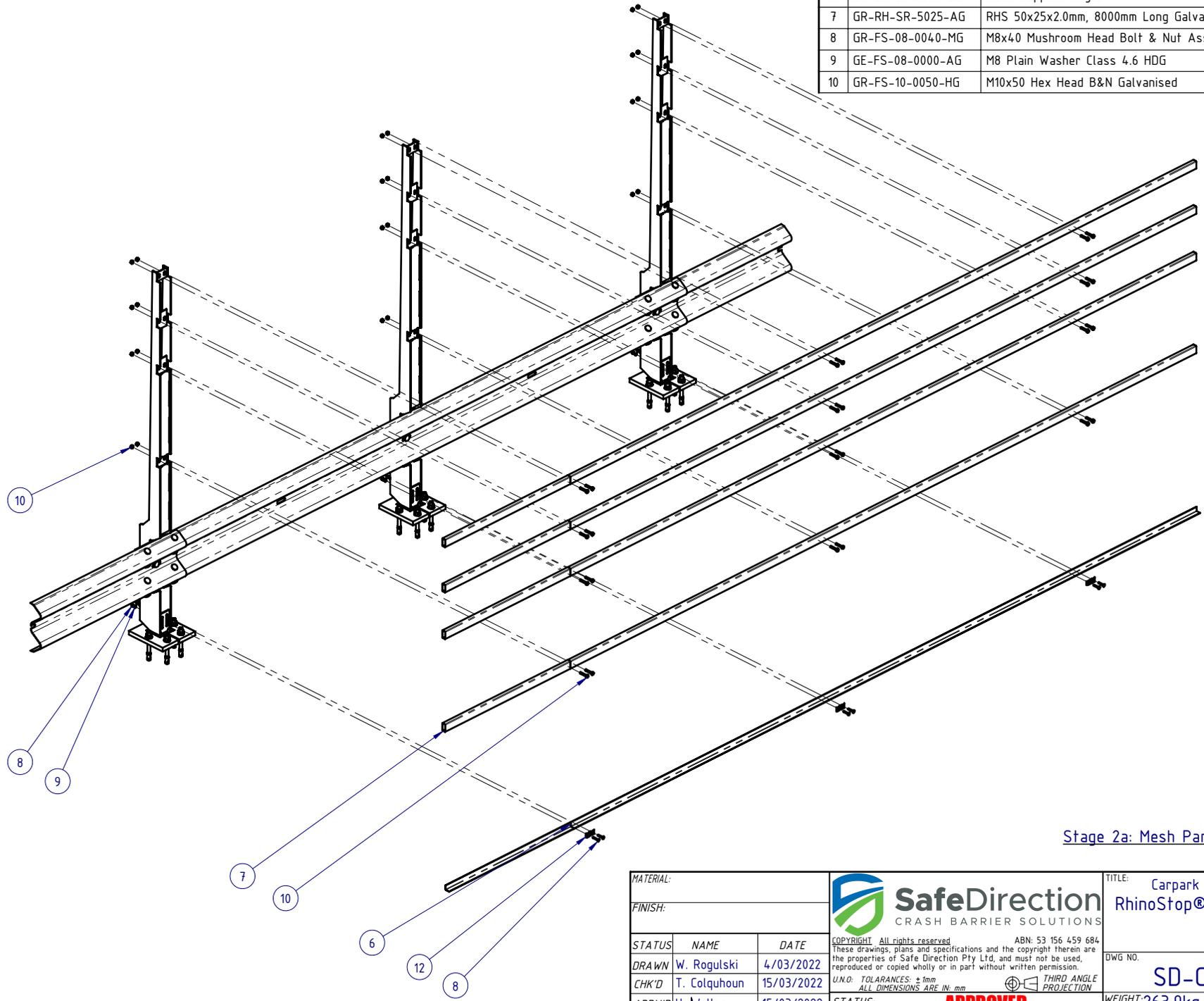
| BOM | | | |
|----------|------------------|--------------------------------------------------------------|-----------|
| ITEM NO. | PART NUMBER | DESCRIPTION | Weight kg |
| 1 | GR-PB-IS-2360-AG | Rhino-Stop® Screen Post 2360mm high | 35.2 |
| 2 | GR-WB-SR-4000-CG | W-Beam Guardrail 4.0M NLL, 1.0M CTRS | 43.3 |
| 3 | GR-FS-20-0187-HG | FISCHER FBN II, M20x187mm | 0.5 |
| 4 | GR-FS-16-0050-MG | M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6 | 0.2 |
| 5 | GR-FS-16-0032-MG | M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8 | 0.2 |



Stage 1: Post and Rail Assembly

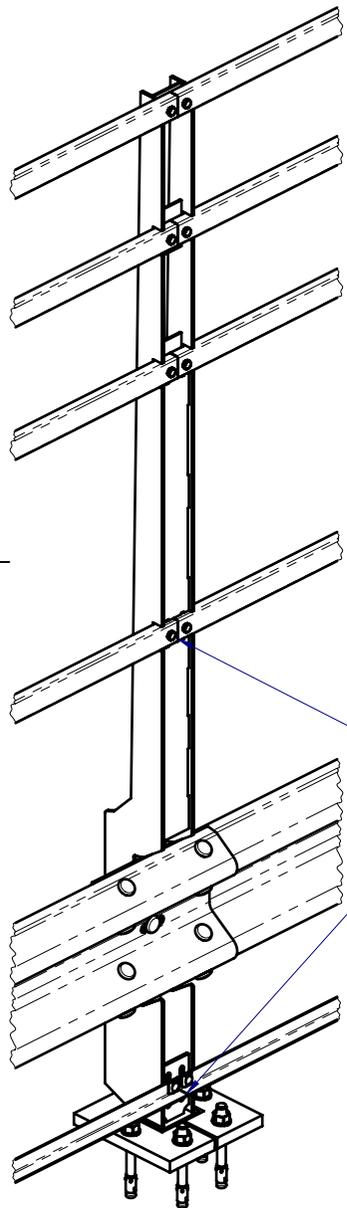
| | | | | | | |
|-------------------------|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|------------|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | |
| FINISH: | | | | General Arrangement | | |
| STATUS | NAME | DATE | <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. | REVISION: | SHEET SIZE |
| DRAWN | W. Rogulski | 4/03/2022 | | SD-CP-06005 | B | A4 |
| CHK'D | T. Colquhoun | 15/03/2022 | | WEIGHT: 263.9kg | | |
| APPV'D | H. Wallace | 15/03/2022 | | SCALE: 1:25 | SHEET 2 of 7 | |
| STATUS: APPROVED | | | <small>DO NOT SCALE DRAWING</small> | | | |

| BOM | | | Weight kg |
|----------|------------------|-----------------------------------------------------|--------------|
| ITEM NO. | PART NUMBER | DESCRIPTION | |
| 6 | GR-EA-30-6000-BG | Mesh Support Angle | 6.6 |
| 7 | GR-RH-SR-5025-AG | RHS 50x25x2.0mm, 8000mm Long Galvanised AS1163-C350 | 17.2 |
| 8 | GR-FS-08-0040-MG | M8x40 Mushroom Head Bolt & Nut Assy Class 4.6 HDG | 0.0 |
| 9 | GE-FS-08-0000-AG | M8 Plain Washer Class 4.6 HDG | |
| 10 | GR-FS-10-0050-HG | M10x50 Hex Head B&N Galvanised | 0.0 |



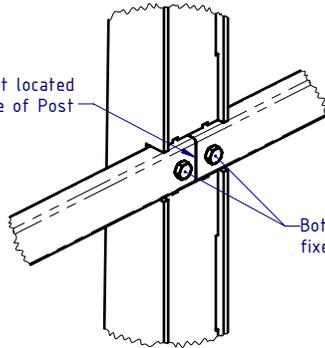
Stage 2a: Mesh Panel Support Elements Assembly

| | | | | | | | | |
|-----------|--------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|----------------------|-------------|--------------|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | | | |
| FINISH: | | | | General Arrangement | | | | |
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| DRAWN | W. Rogulski | 4/03/2022 | U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm | | | SD-CP-06005 | B | A4 |
| CHK'D | T. Colquhoun | 15/03/2022 | THIRD ANGLE PROJECTION | | | WEIGHT: 263.9kg | SCALE: 1:30 | SHEET 3 of 7 |
| APPV'D | H. Wallace | 15/03/2022 | STATUS: APPROVED | | | DO NOT SCALE DRAWING | | |



DETAIL B
SCALE 1:15

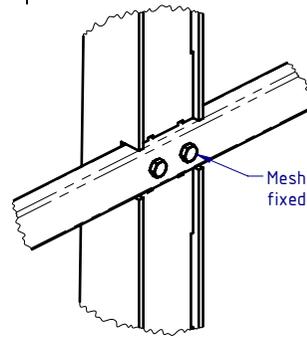
RHS butt-joint located at centre of Post



DETAIL D
SCALE 1:7.5

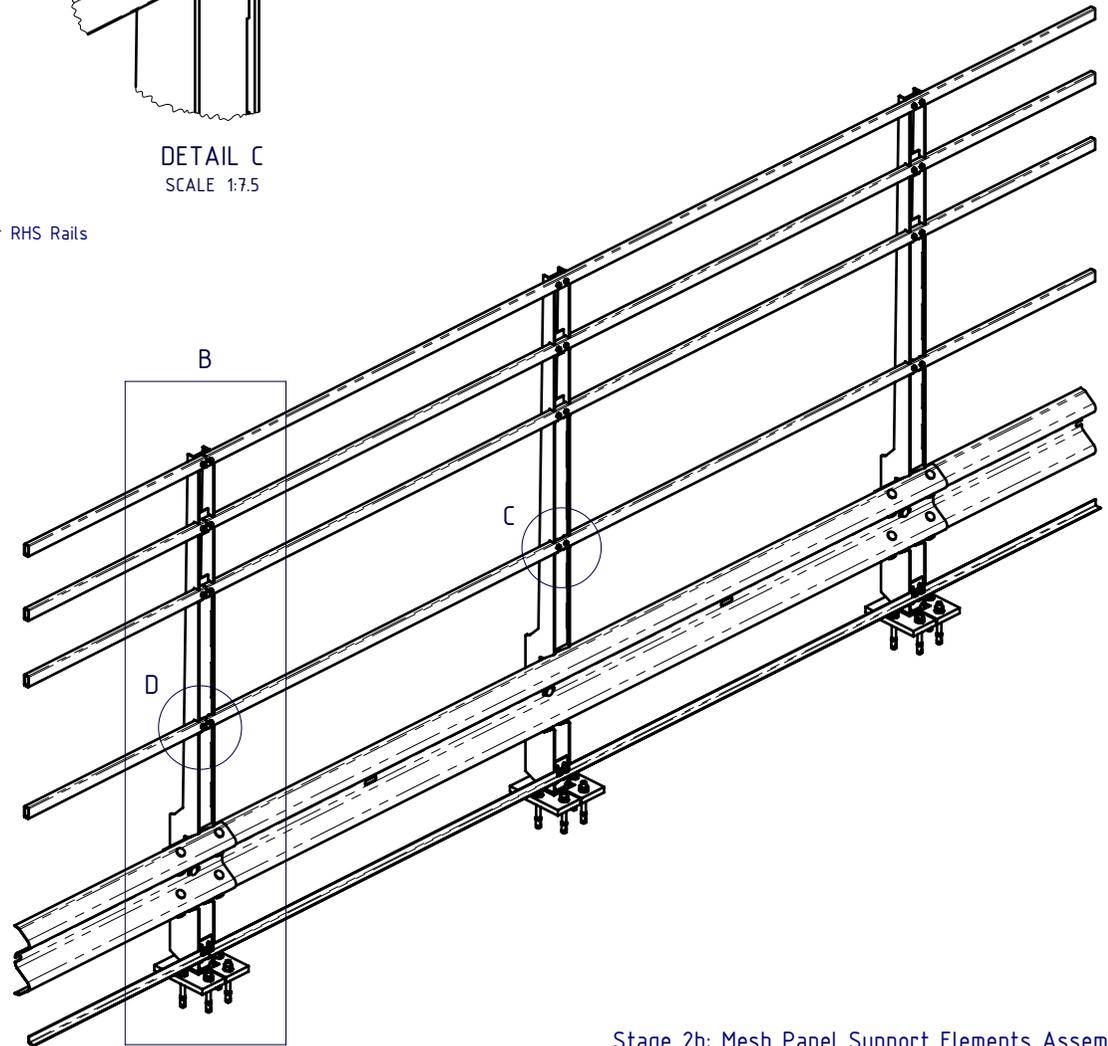
Both Mesh Support RHS Rails fixed to Post

All RHS & Angle Mesh Support Rails MUST be installed with the butt-joint located at centre of Post, and fixed to Post with 2 bolts at all Post locations.



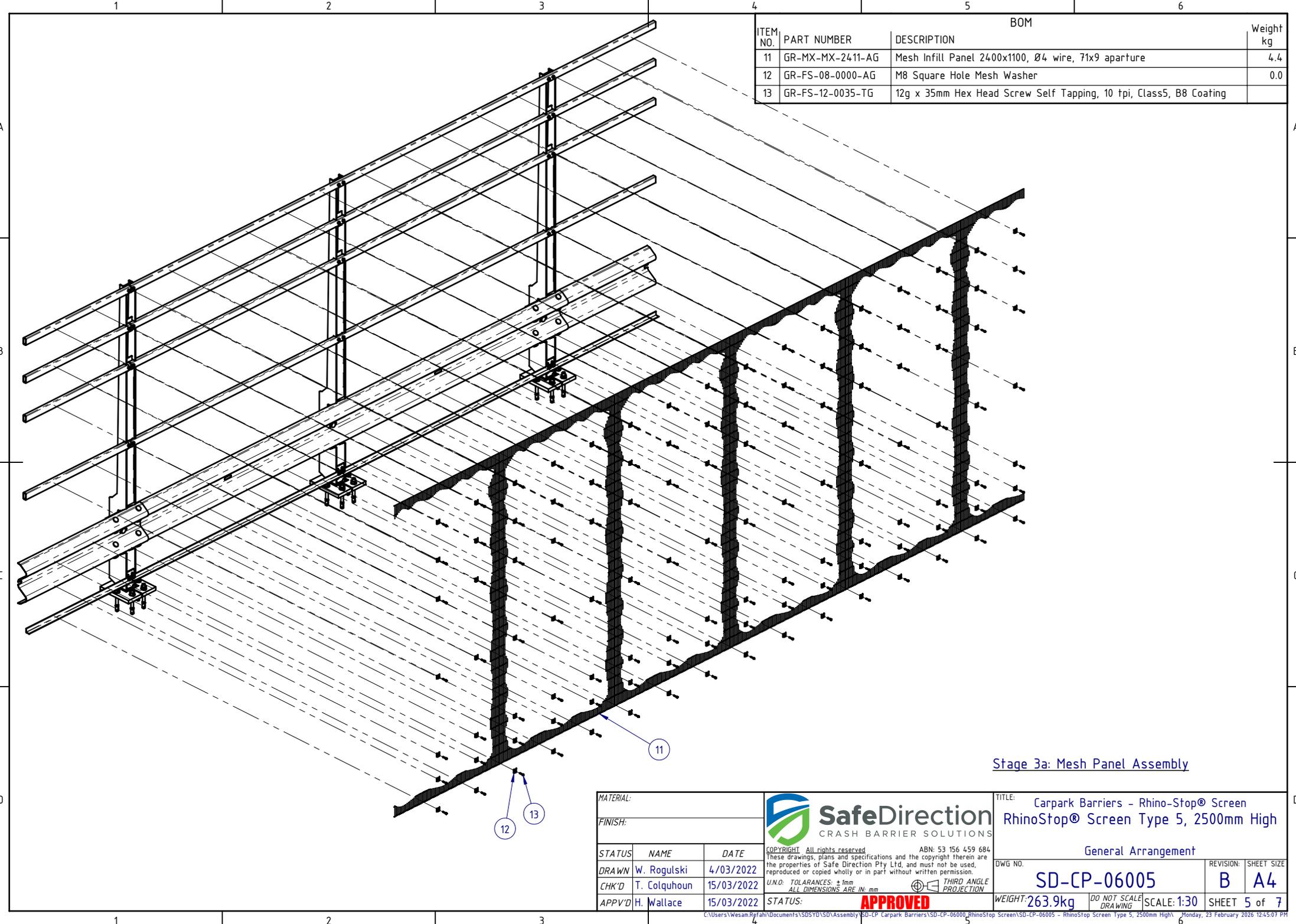
DETAIL C
SCALE 1:7.5

Mesh Support RHS Rail fixed with 2 bolts.



Stage 2b: Mesh Panel Support Elements Assembly

| | | | | | | | | |
|-----------|--------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-----------------|----------------------|-------------|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | | |
| FINISH: | | | | | General Arrangement | | | |
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| DRAWN | W. Rogulski | 4/03/2022 | <small>U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small> | | | SD-CP-06005 | B | A4 |
| CHK'D | T. Colquhoun | 15/03/2022 | <small>THIRD ANGLE PROJECTION</small> | | | WEIGHT: 263.9kg | DO NOT SCALE DRAWING | SCALE: 1:30 |
| APPV'D | H. Wallace | 15/03/2022 | APPROVED | | | SHEET 4 of 7 | | |

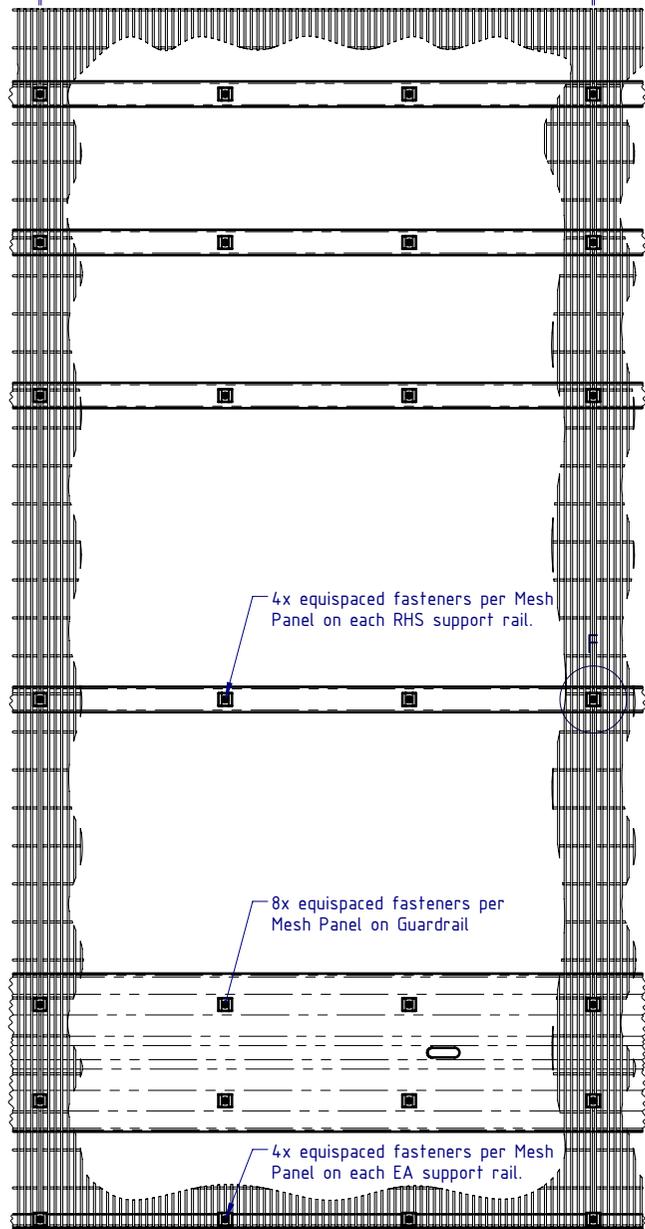


| BOM | | | Weight kg |
|----------|------------------|--------------------------------------------------------------------|--------------|
| ITEM NO. | PART NUMBER | DESCRIPTION | |
| 11 | GR-MX-MX-2411-AG | Mesh Infill Panel 2400x1100, Ø4 wire, 71x9 aparture | 4.4 |
| 12 | GR-FS-08-0000-AG | M8 Square Hole Mesh Washer | 0.0 |
| 13 | GR-FS-12-0035-TG | 12g x 35mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating | |

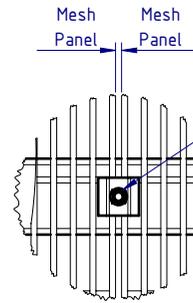
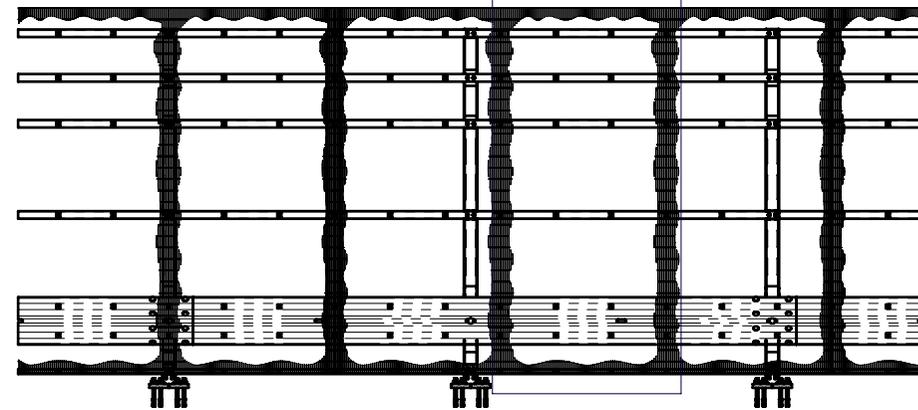
Stage 3a: Mesh Panel Assembly

| | | | | | |
|------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|--------------------------|
| MATERIAL: | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | |
| FINISH: | | | General Arrangement | | |
| STATUS | NAME | DATE | DWG NO. | REVISION: | SHEET SIZE |
| DRAWN | W. Rogulski | 4/03/2022 | SD-CP-06005 | B | A4 |
| CHK'D | T. Colquhoun | 15/03/2022 | | | |
| APPV'D | H. Wallace | 15/03/2022 | | | |
| U.N.O: TOLARANCES: ±1mm ALL DIMENSIONS ARE IN: mm | | | THIRD ANGLE PROJECTION | | WEIGHT: 263.9kg |
| STATUS: APPROVED | | | DO NOT SCALE DRAWING | | SCALE: 1:30 SHEET 5 of 7 |

Mesh Panel Mesh Panel Mesh Panel



DETAIL E
SCALE 1:15



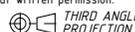
DETAIL F
SCALE 1:5

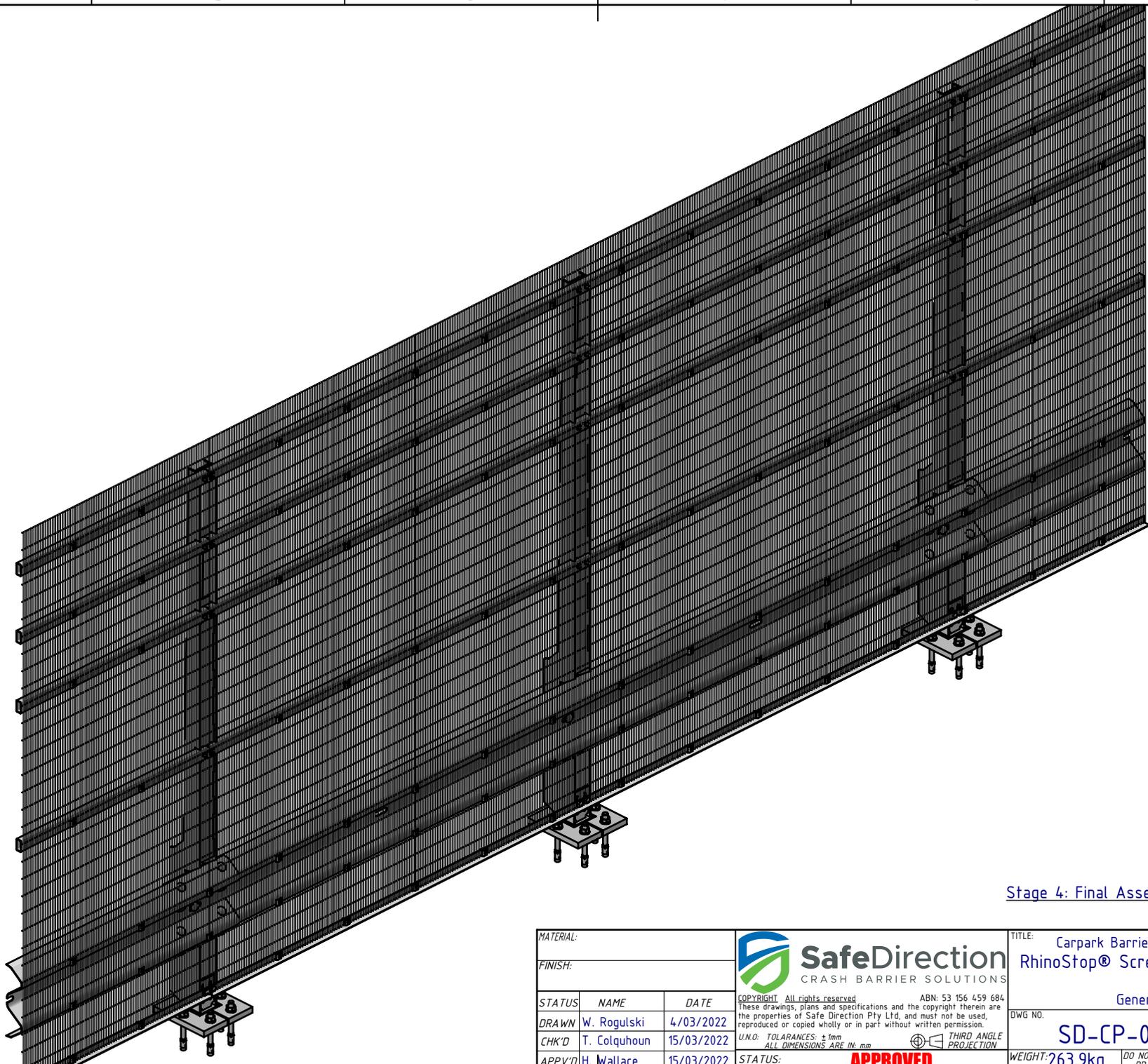
Fastener located between Mesh Panels, with Profiled Mesh Washer lapping both Mesh Panels. TYP

Mesh Panel Assembly Notes:

1. Position first Mesh Panel in Portrait orientation, resting on bottom EA support rail.
2. Position adjacent Mesh Panels with a 5-10mm gap to allow for fixing screw between each Panel.
3. Fix Mesh Panels as indicated in Detail E and Detail F views.
4. Each Mesh Panel to be fixed with 28x Self Tapping Screws and Profiled Mesh Washers.

Stage 3b: Mesh Panel Assembly

| | | | | | | | | |
|-----------|--------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|----------------------|-------------|--------------|
| MATERIAL: | | |  <p>SafeDirection CRASH BARRIER SOLUTIONS</p> | | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | | |
| FINISH: | | | | | General Arrangement | | | |
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| DRAWN | W. Rogulski | 4/03/2022 | <small>U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small> | |  | SD-CP-06005 | B | A4 |
| CHK'D | T. Colquhoun | 15/03/2022 | THIRD ANGLE PROJECTION | | | | | |
| APPV'D | H. Wallace | 15/03/2022 | STATUS: APPROVED | | WEIGHT: 263.9kg | DO NOT SCALE DRAWING | SCALE: 1:30 | SHEET 6 of 7 |



Stage 4: Final Assembly

| | | | | | | | |
|-----------|--------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------|-------------|--------------|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 5, 2500mm High | | | |
| FINISH: | | | | General Arrangement | | | |
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| DRAWN | W. Rogulski | 4/03/2022 | <small>THIRD ANGLE PROJECTION</small>  | SD-CP-06005 | B | A4 | |
| CHK'D | T. Colquhoun | 15/03/2022 | | WEIGHT: 263.9kg | DO NOT SCALE DRAWING | SCALE: 1:20 | SHEET 7 of 7 |
| APPV'D | H. Wallace | 15/03/2022 | | STATUS: APPROVED | | | |