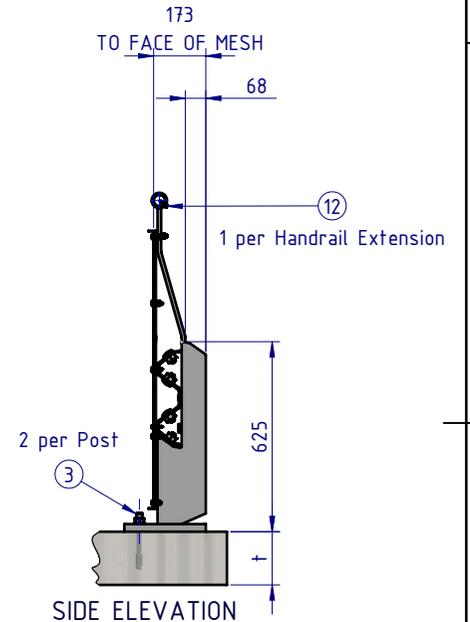
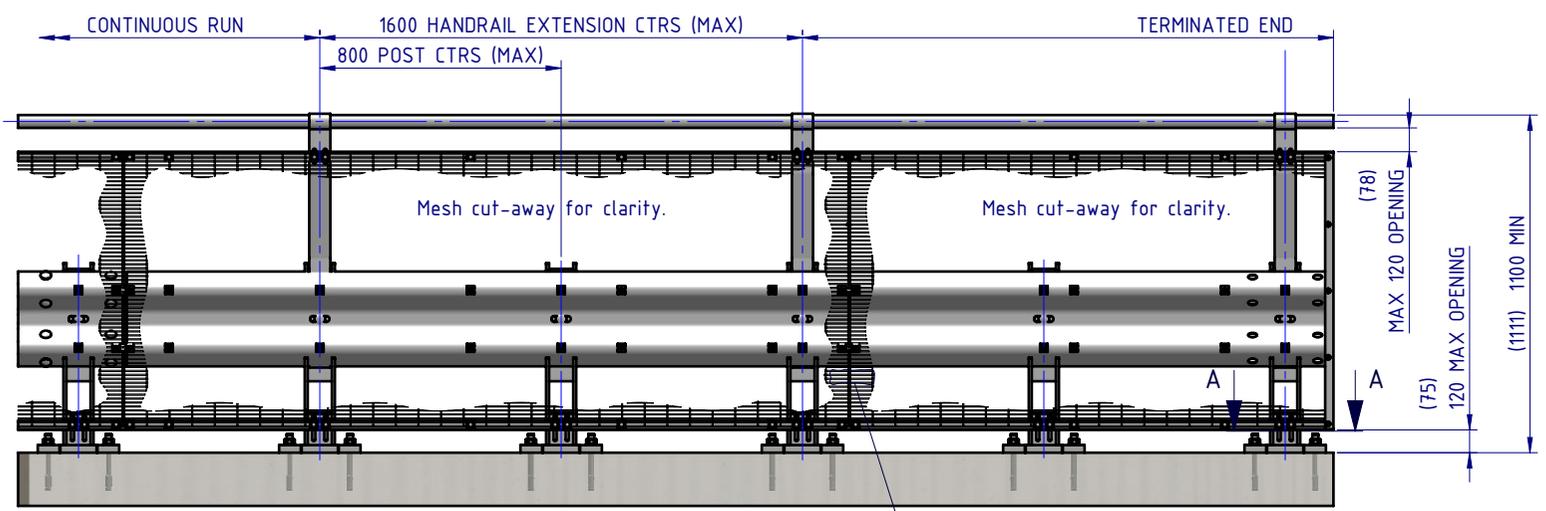
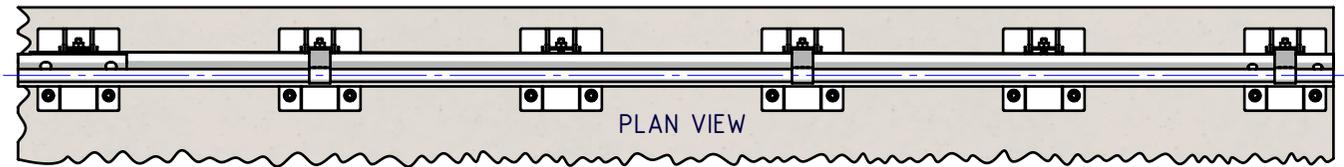


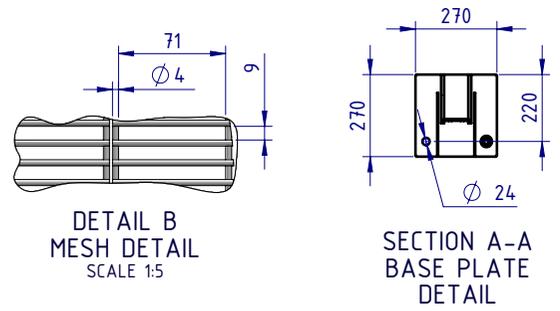
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	30 km/h	0.5 m	67.2 kJ	4 m w-beam supported by six (6) posts at 0.8 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	20 km/h	0.5 m	29.6 kJ	6 m w-beam supported by four (4) posts at 2.0 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.

REVISIONS			
REV.	DESCRIPTION	DATE	APPV'D
A	Original Issue, supersedes GR-WB-173	09/02/2023	HW
B	Revision updated	09/02/2023	HW
C	Rhino-Stop Heavy Duty Post, revision updated	27/06/2025	HW
D	Performance & Installation Req. Tables Added	24/02/2026	HW

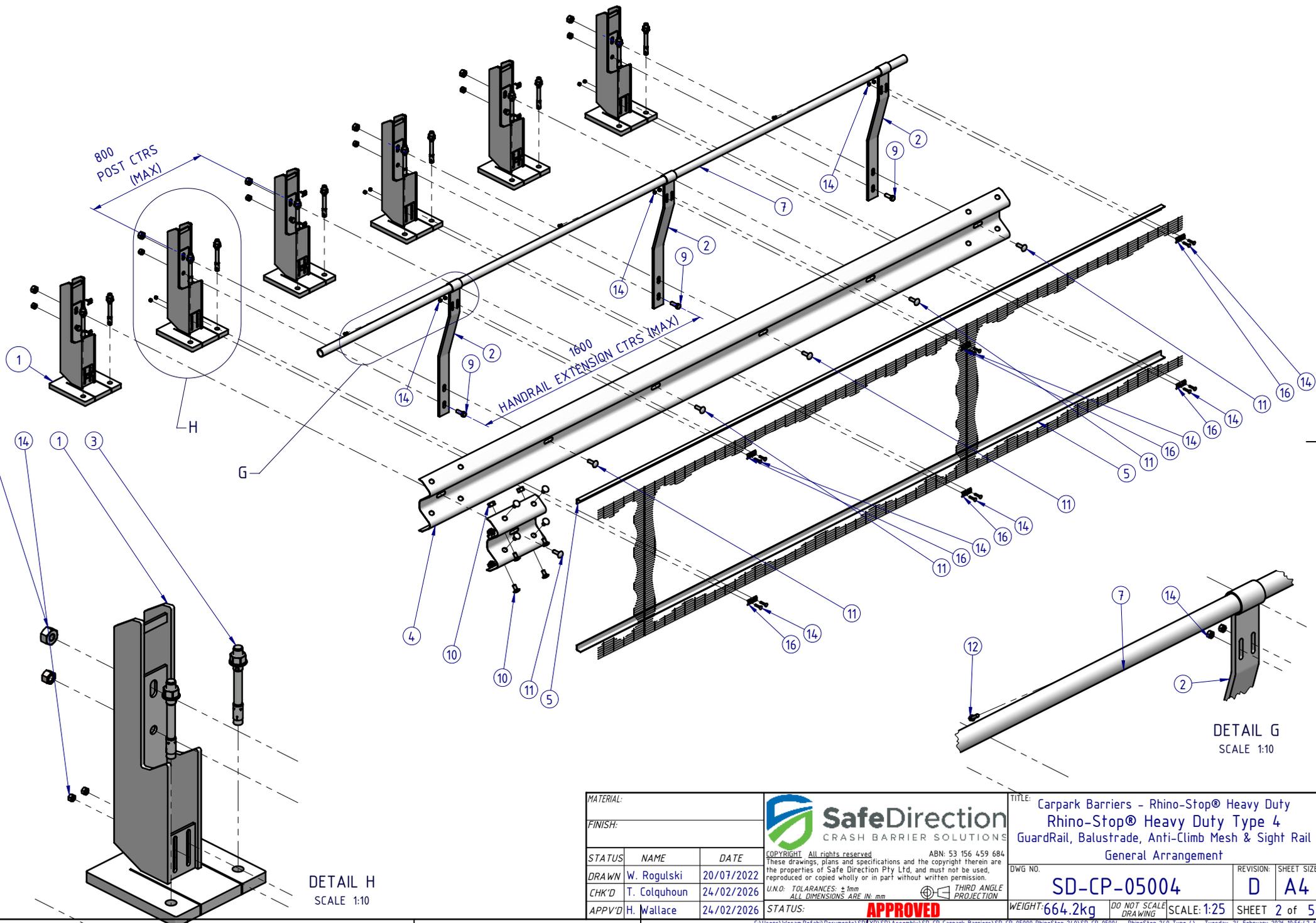
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm



BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-0625-DG	Rhino-Stop® Heavy Duty Post	25.61
2	GR-MX-MX-0800-AG	Handrail Extension Type 4	5.28
3	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.47
4	GR-WB-SR-4000-GG	W-Beam Guardrail 4.0m NLL, 0.8m CTRS	43.30
5	GR-EA-30-6000-BG	Mesh Support Angle	6.58
6	GR-EA-30-6000-BG	Mesh Support Angle	1.00
7	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	20.11
8	GR-MX-MX-2409-AG	Mesh Infill Panel 2400x900, Ø4 wire, 71x9 aperture	3.99
9	GR-FS-16-0045-HG	M16x45 Hex Head Bolt & Nut Assy	0.02
10	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.21
11	GR-FS-16-0050-MG	M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6	0.23
12	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	
13	GR-FS-12-0035-TG	12g x 35mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	
14	GR-FS-08-0040-MG	M8x40 Mushroom Head Bolt & Nut Assy Class 4.6 HDG	0.00
15	GR-FS-08-0025-MG	M8x25 Mushroom Head Bolt & Nut Assy CL4.6 HDG	0.00
16	GR-FS-08-0000-AG	M8 Square Hole Mesh Washer	0.01
17	GE-FS-08-0025-HG	M8x25 Hex Head Screw Class 8.8 B Coating	
18	GE-FS-08-0000-HG	M8 Hex Nut Class5 B-Coating	



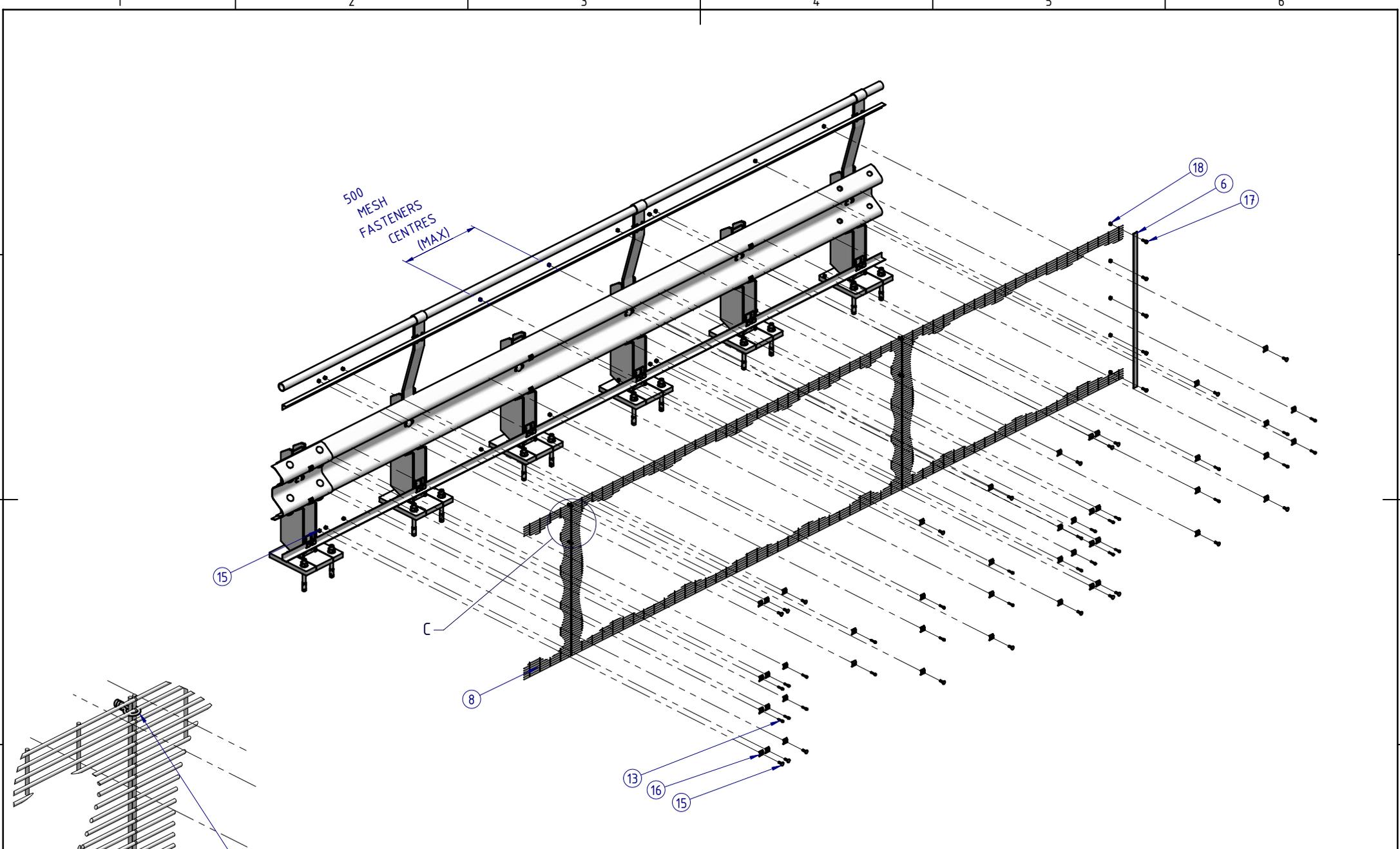
MATERIAL:		<b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement	
FINISH:			DWG NO: SD-CP-05004	REVISION: D
STATUS	NAME	DATE	WEIGHT: 664.2kg	
DRAWN	W. Rogulski	20/07/2022	SCALE: 1:25	
CHK'D	T. Colquhoun	24/02/2026	SHEET 1 of 5	
APPV'D	H. Wallace	24/02/2026	STATUS: <b>APPROVED</b>	



DETAIL H  
SCALE 1:10

DETAIL G  
SCALE 1:10

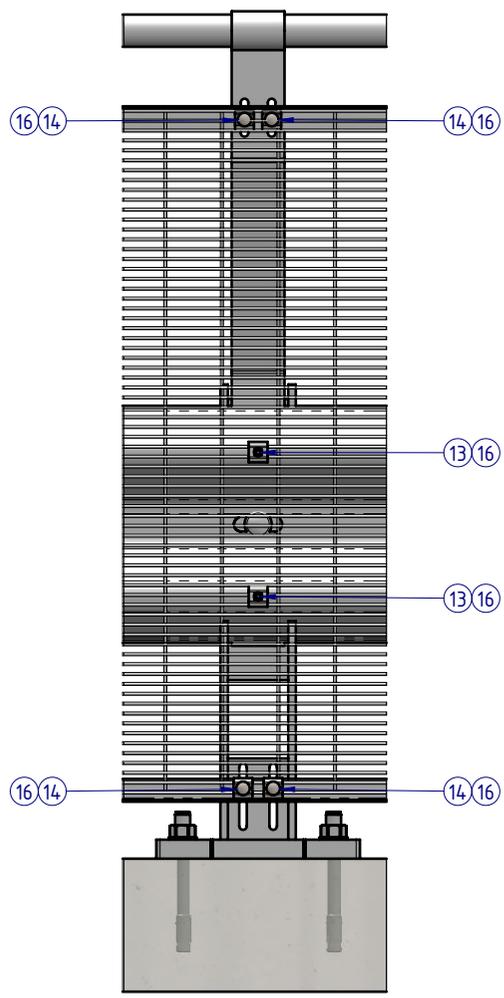
MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
FINISH:				DWG NO. <b>SD-CP-05004</b> REVISION: <b>D</b> SHEET SIZE: <b>A4</b>		
STATUS	NAME	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>			
DRAWN	W. Rogulski	20/07/2022				
CHK'D	T. Colquhoun	24/02/2026				
APPV'D	H. Wallace	24/02/2026				
STATUS: <b>APPROVED</b>			WEIGHT: <b>664.2kg</b>	DO NOT SCALE DRAWING	SCALE: <b>1:25</b>	SHEET <b>2</b> of <b>5</b>



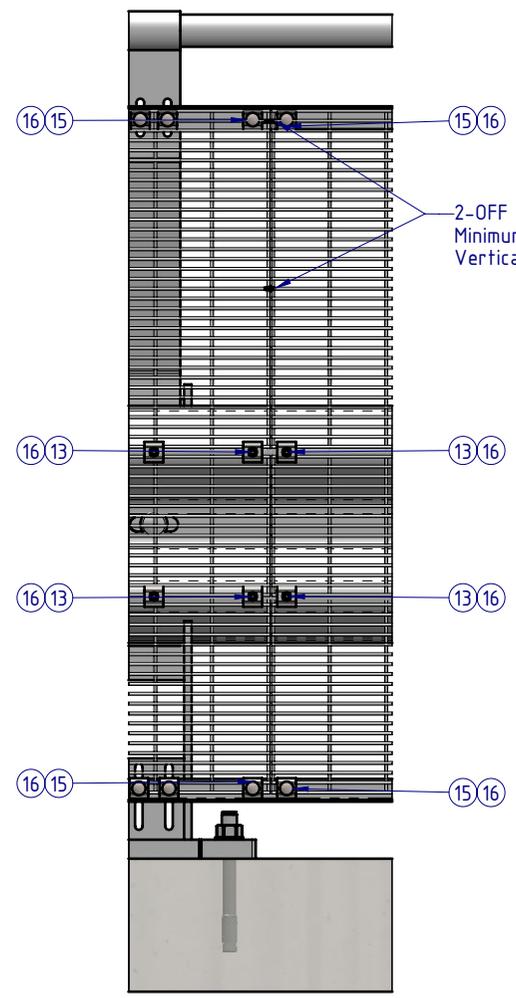
DETAIL C  
SCALE 1:5

2-OFF to be installed at every Mesh Panel connection  
Minimum Galvanised Wire Ø3, crimped  
Vertically equispaced

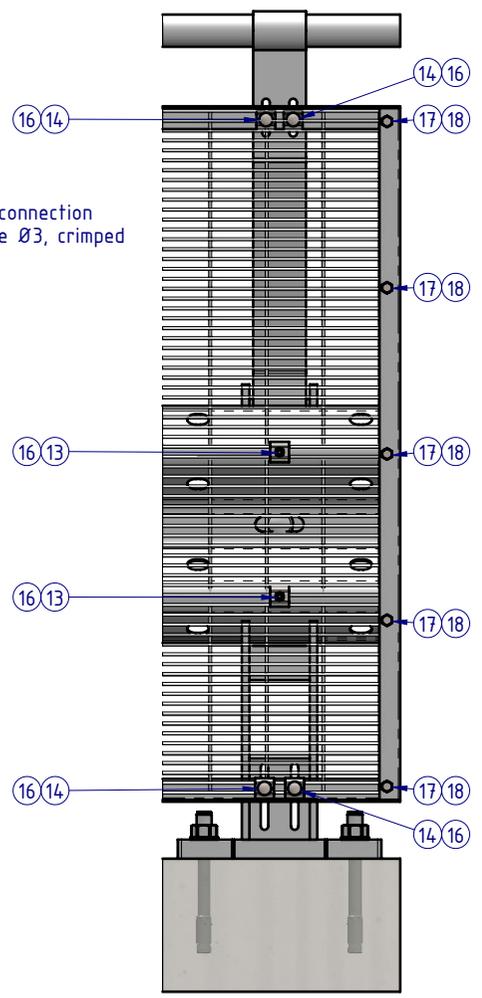
MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
FINISH:				DWG NO. <b>SD-CP-05004</b> REVISION: <b>D</b> SHEET SIZE: <b>A4</b>		
STATUS	NAME	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>			
DRAWN	W. Rogulski	20/07/2022	<small>U.N.O. TOLERANCES: ±1mm          ALL DIMENSIONS ARE IN: mm</small>			
CHK'D	T. Colquhoun	24/02/2026	<small>THIRD ANGLE PROJECTION</small>			
APPV'D	H. Wallace	24/02/2026	STATUS: <b>APPROVED</b>			
			WEIGHT: 664.2kg	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 3 of 5



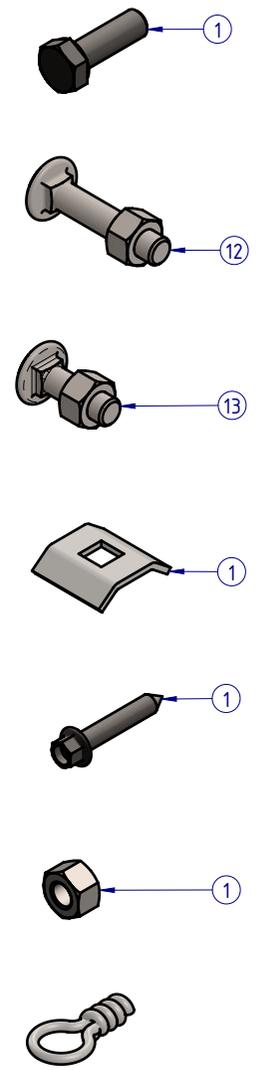
DETAIL D  
AT POST CONNECTION



DETAIL E  
MESH PANEL CONNECTION

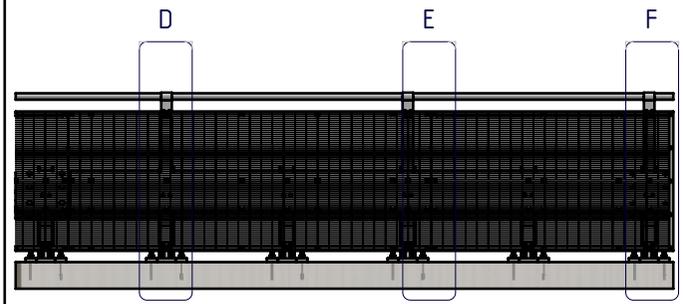


DETAIL F  
TERMINATION CONNECTION



**MESH PANEL CONNECTION DETAILS**

ALL FASTENERS TO BE USED AS SHOWN  
ACCORDING TO CONNECTION TYPE



MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	20/07/2022
CHK'D	T. Colquhoun	24/02/2026
APPV'D	H. Wallace	24/02/2026

**SafeDirection**  
CRASH BARRIER SOLUTIONS

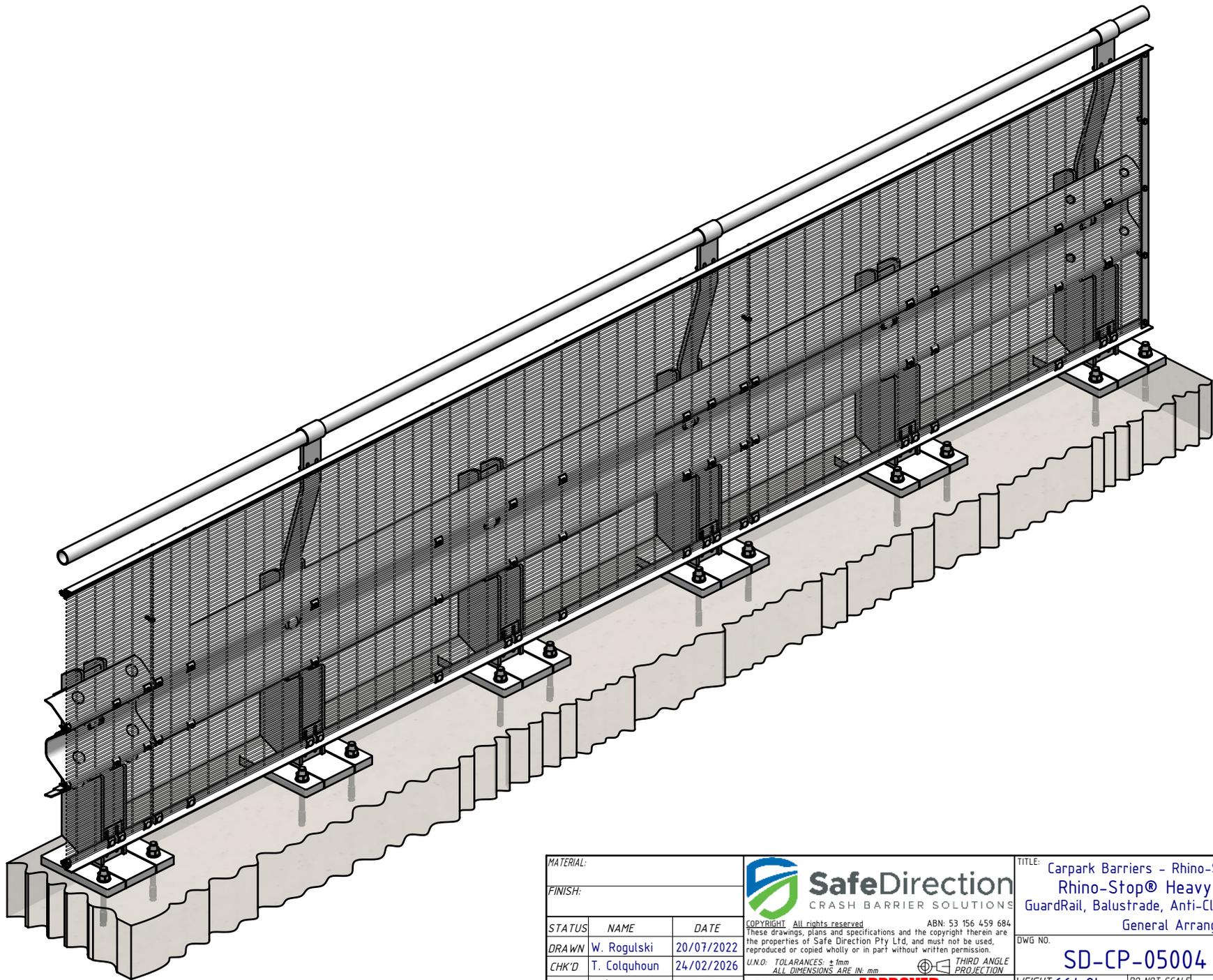
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U.N.O. TOLERANCES: ±1mm  
ALL DIMENSIONS ARE IN: mm

THIRD ANGLE PROJECTION

STATUS: **APPROVED**

TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-05004	D	A4	
WEIGHT: 664.2kg	SCALE: 1:10	SHEET 4 of 5	



MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	20/07/2022
CHK'D	T. Colquhoun	24/02/2026
APPV'D	H. Wallace	24/02/2026

**SafeDirection**  
CRASH BARRIER SOLUTIONS

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

**THIRD ANGLE PROJECTION**

**APPROVED**

TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-05004	D	A4	
WEIGHT: 664.2kg	DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 5 of 5