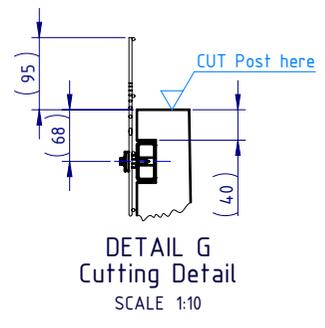
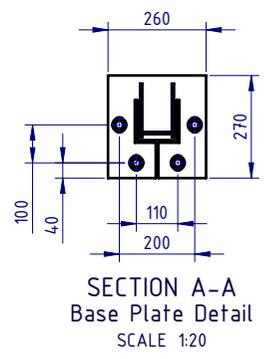
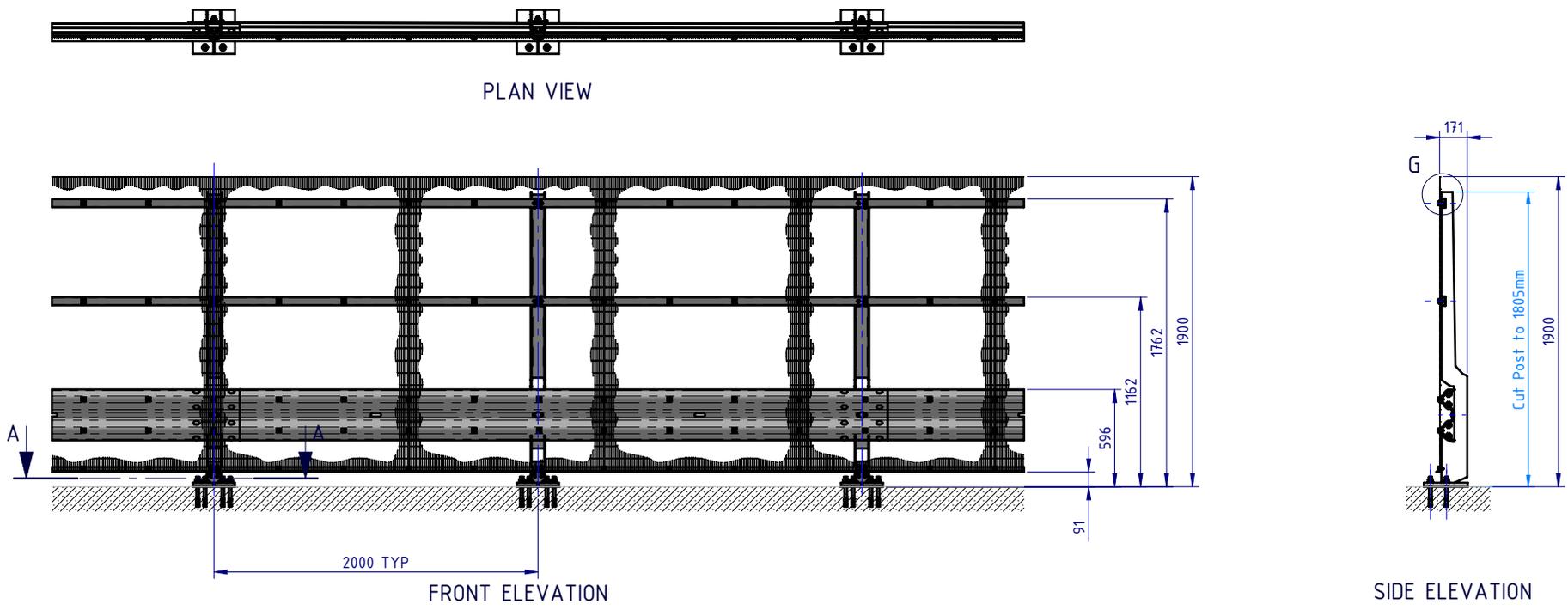


Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	16 km/h	0.5 m	20.5 kJ	6 m w-beam supported by four (4) posts at 2.0 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	23 km/h	0.5 m	39.7 kJ	4 m w-beam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

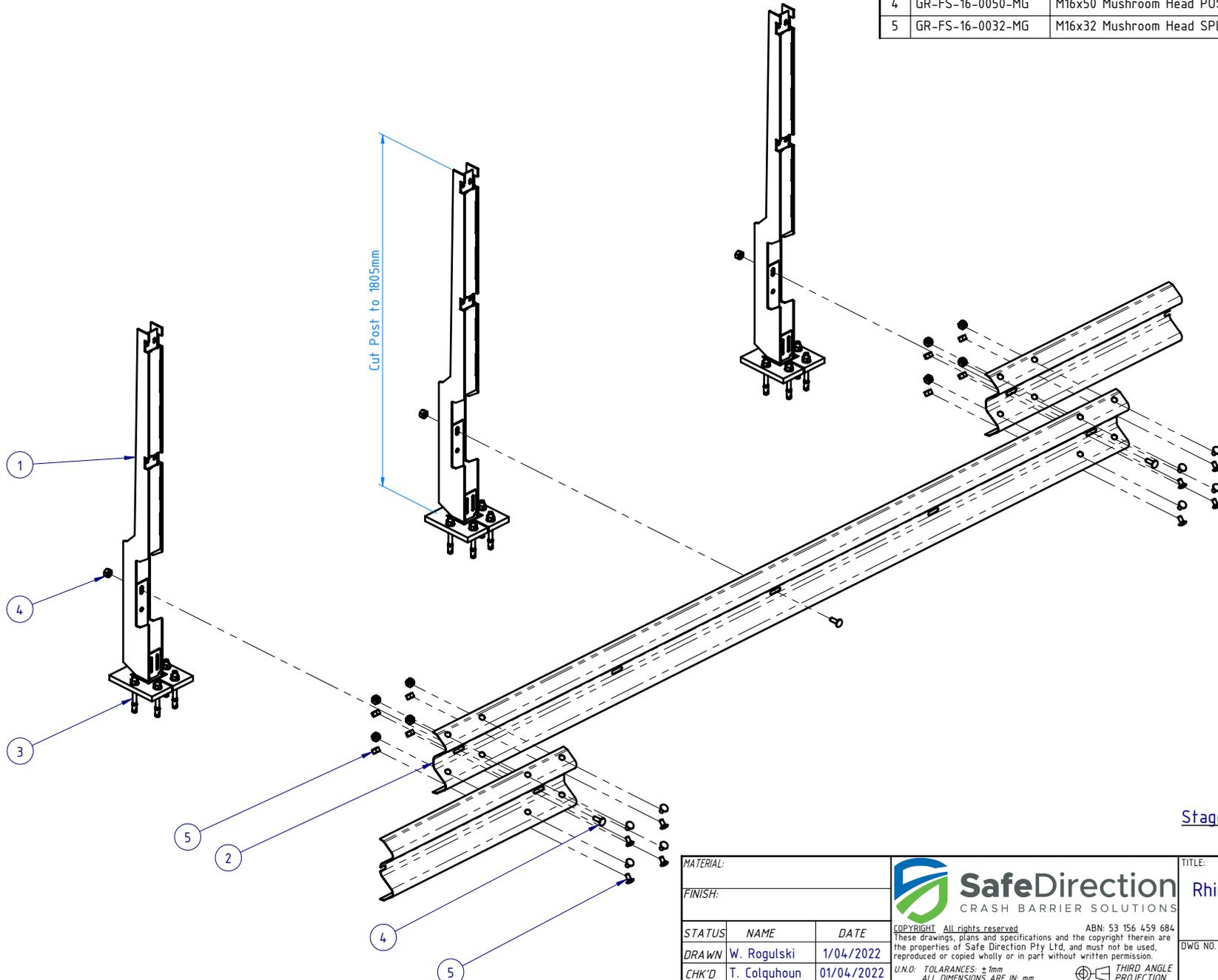
REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue	01/04/2022	HW
B		Performance & Installation Req. tables added	23/02/2026	HW

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



MATERIAL:			<b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm High					
FINISH:				General Arrangement					
STATUS	NAME	DATE	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.			DWG NO.	REVISION:	SHEET SIZE	
DRAWN	W. Rogulski	1/04/2022	U.N.O: TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm			THIRD ANGLE PROJECTION	SD-CP-06003	B	A4
CHK'D	T. Colquhoun	01/04/2022							
APPV'D	H. Wallace	01/04/2022	STATUS: <b>APPROVED</b>			WEIGHT: 223.6kg	DO NOT SCALE DRAWING	SCALE: 1:40	SHEET 1 of 7

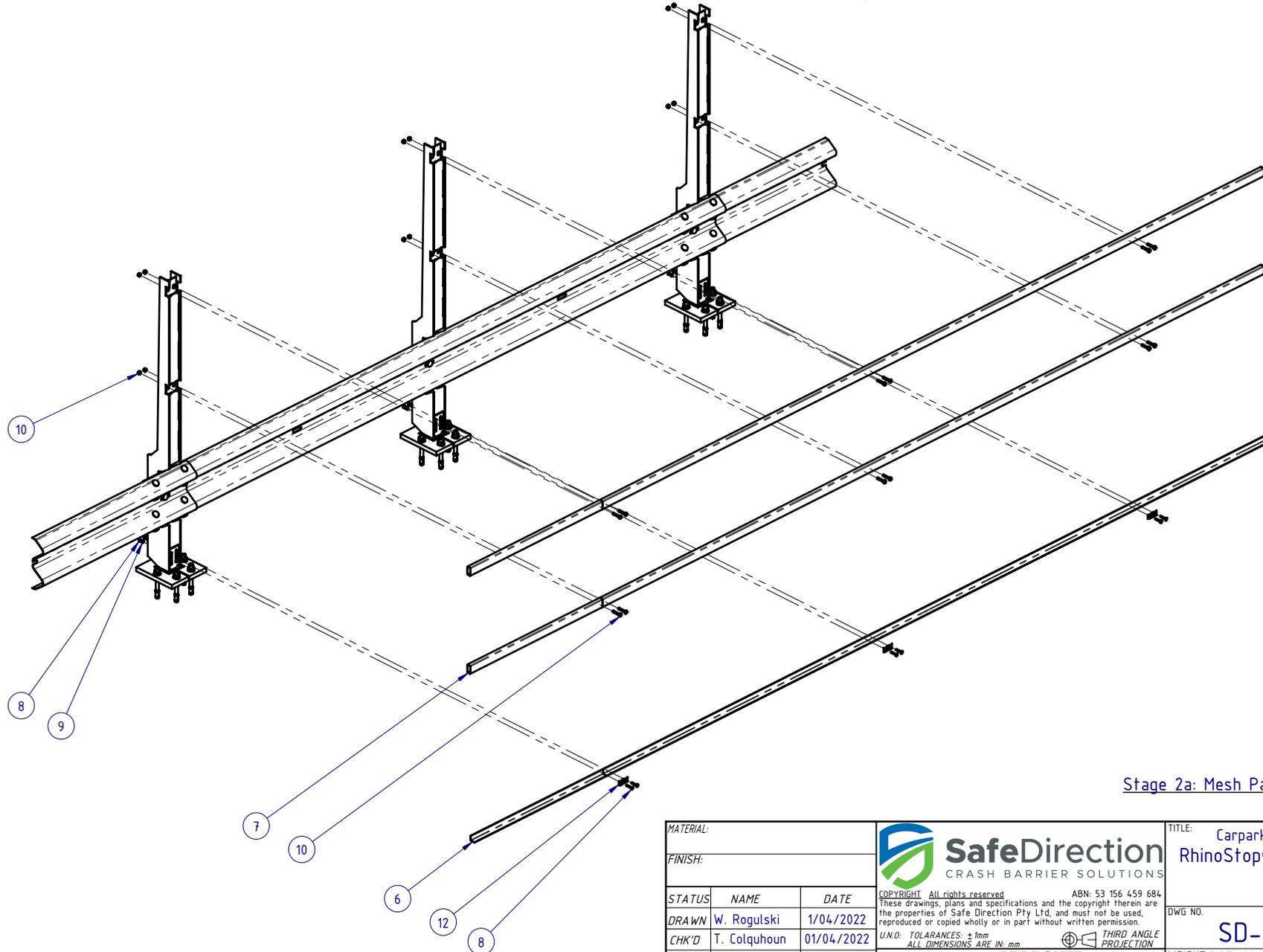
BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-2360-AG	Rhino-Stop® Screen Post 2360mm high	35.2
2	GR-WB-SR-4000-CG	W-Beam Guardrail 4.0M NLL, 1.0M CTRS	43.3
3	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
4	GR-FS-16-0050-MG	M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6	0.2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



Stage 1: Post and Rail Assembly

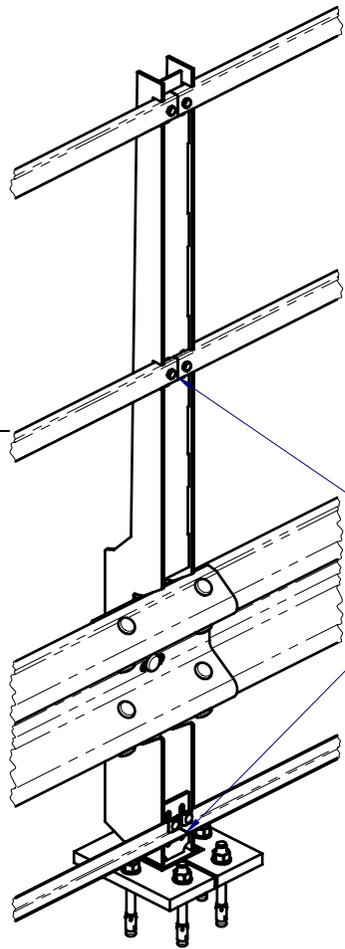
MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm High		
FINISH:				General Arrangement		
STATUS	NAME	DATE	COPYRIGHT: All rights reserved. ABN: 53 156 459 684 These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission.			
DRAWN	W. Rogulski	1/04/2022	DWG NO. <b>SD-CP-06003</b>			
CHK'D	T. Colquhoun	01/04/2022	REVISION: <b>B</b> SHEET SIZE <b>A4</b>			
APPV'D	H. Wallace	01/04/2022	U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm			
STATUS: <b>APPROVED</b>			THIRD ANGLE PROJECTION			
			WEIGHT: 223.6kg			
			DO NOT SCALE DRAWING			
			SCALE: 1:25			
			SHEET 2 of 7			

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

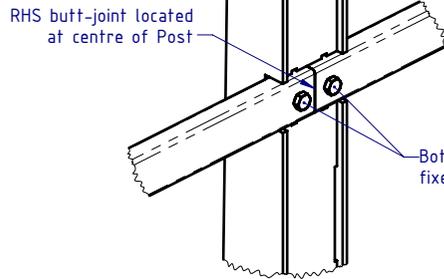


Stage 2a: Mesh Panel Support Elements Assembly

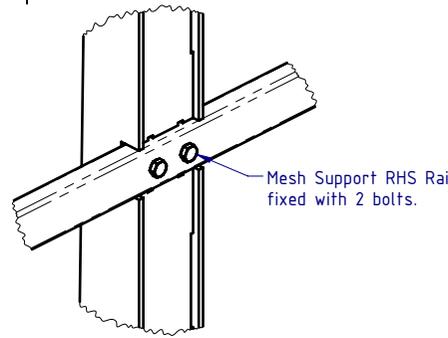
MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm High				
FINISH:					General Arrangement				
STATUS	NAME	DATE	COPYRIGHT: All rights reserved. ABN: 53 156 459 684 These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission.		DWG NO.	REVISION:	SHEET SIZE		
DRAWN	W. Rogulski	1/04/2022	U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm		SD-CP-06003		B A4		
CHK'D	T. Colquhoun	01/04/2022			THIRD ANGLE PROJECTION		WEIGHT: 223.6kg	SCALE: 1:30	SHEET 3 of 7
APPV'D	H. Wallace	01/04/2022			<b>APPROVED</b>		DO NOT SCALE DRAWING		



DETAIL B  
SCALE 1:15

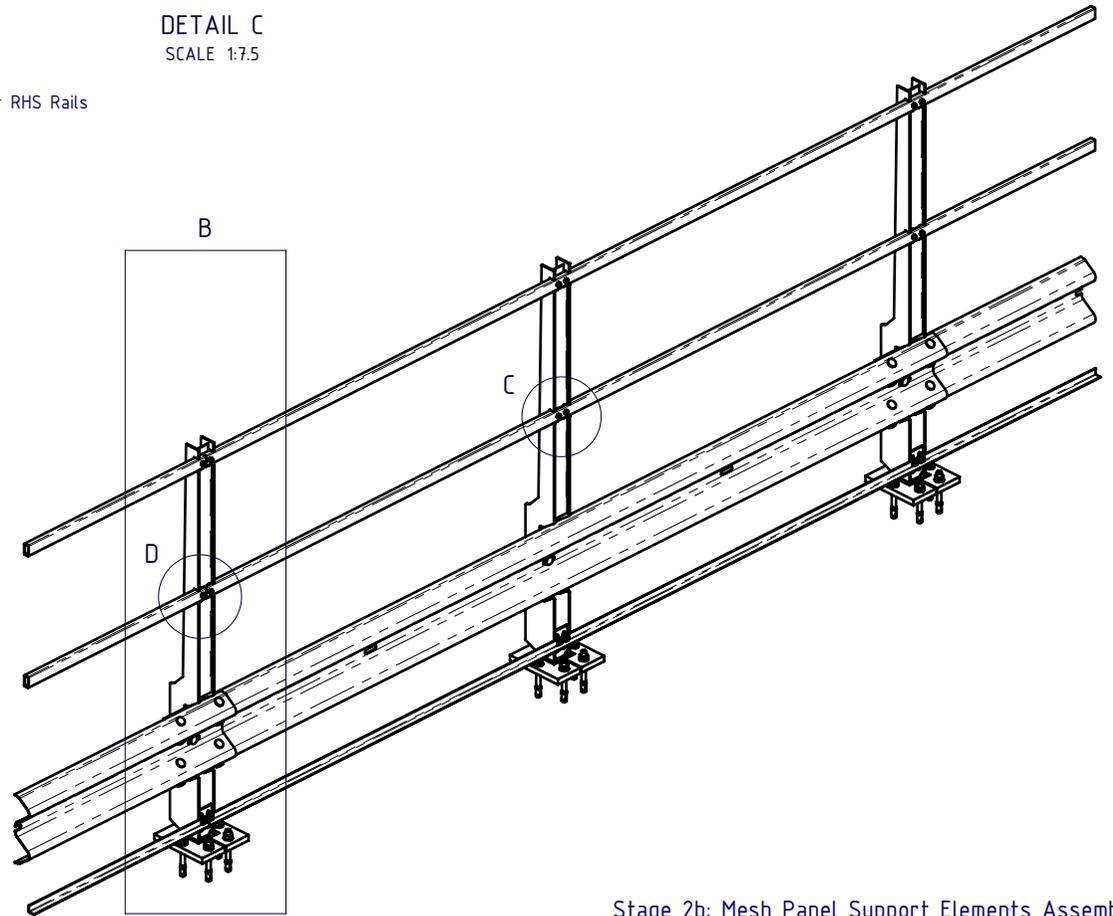


DETAIL D  
SCALE 1:7.5



DETAIL C  
SCALE 1:7.5

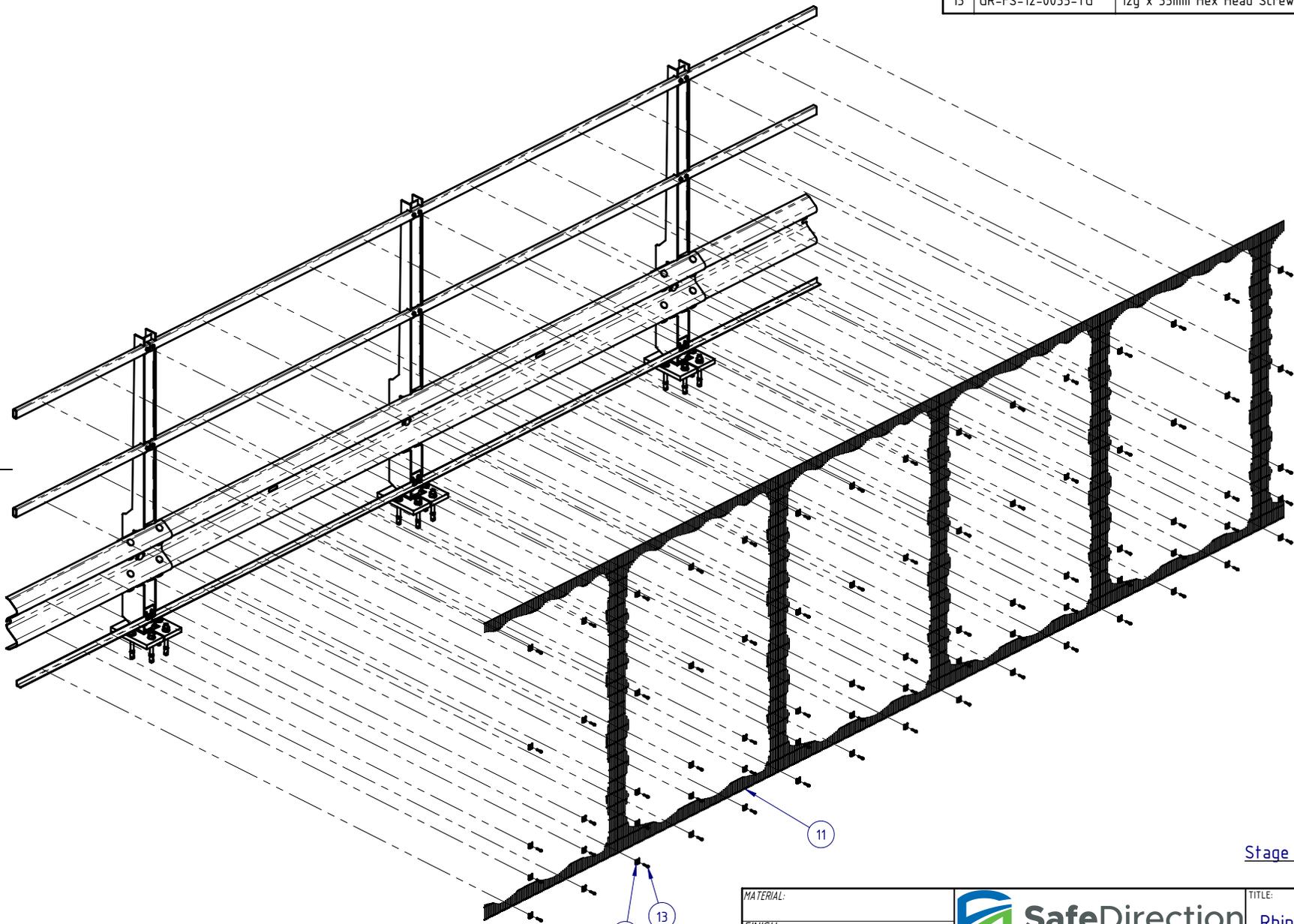
All RHS & Angle Mesh Support Rails  
MUST be installed with the butt-joint  
located at centre of Post, and fixed to  
Post with 2 bolts at all Post locations.



Stage 2b: Mesh Panel Support Elements Assembly

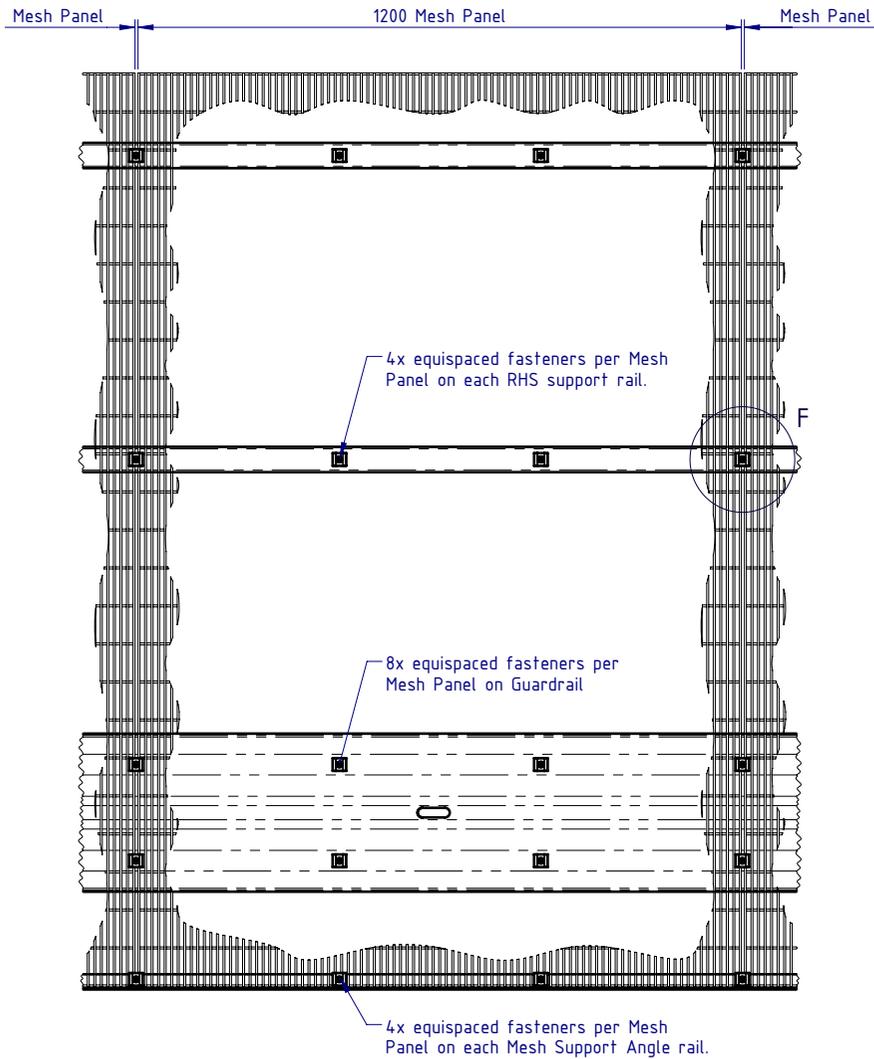
MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm High			
FINISH:					General Arrangement			
STATUS	NAME	DATE	<small>COPYRIGHT: All rights reserved. ABN: 53 156 459 684</small> <small>These drawings, plans and specifications 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	1/04/2022				SD-CP-06003	B	A4
CHK'D	T. Colquhoun	01/04/2022						
APPV'D	H. Wallace	01/04/2022				WEIGHT: 223.6kg	DO NOT SCALE DRAWING	SCALE: 1:30
STATUS: <b>APPROVED</b>			THIRD ANGLE PROJECTION					

BOM			Weight kg
ITEM NO.	PART NUMBER	DESCRIPTION	
11	GR-MX-MX-1812-AG	Mesh Infill Panel 1800x1200, Ø4 wire, 71x9 aparture	3.8
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	

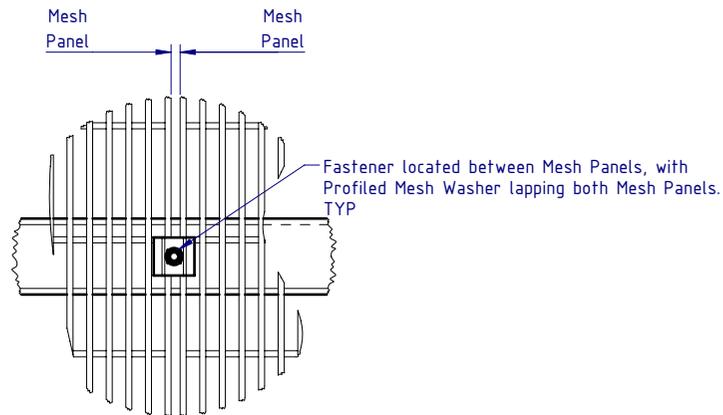
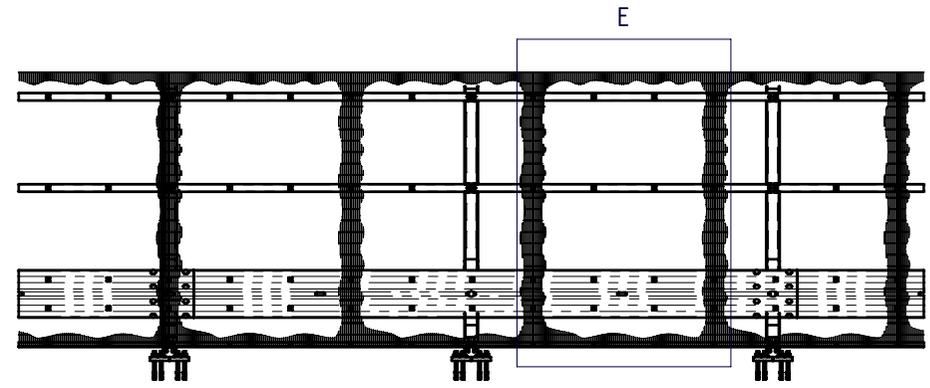


Stage 3a: Mesh Panel Assembly

MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - Rhino-Stop® Screen	
FINISH:					RhinoStop® Screen Type 3, 1900mm High	
STATUS			<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>		General Arrangement	
DRAWN	W. Rogulski	1/04/2022	<small>U.N.O. TOLERANCES: ±1mm</small> <small>ALL DIMENSIONS ARE IN: mm</small>		DWG NO.	REVISION:
CHK'D	T. Colquhoun	01/04/2022	<small>THIRD ANGLE PROJECTION</small>		SD-CP-06003	
APPV'D	H. Wallace	01/04/2022	<b>APPROVED</b>		WEIGHT: 223.6kg	SHEET 5 of 7
					SCALE: 1:30	SHEET 5 of 7



DETAIL E  
SCALE 1:15

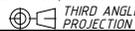


DETAIL F  
SCALE 1:5

**Mesh Panel Assembly Notes:**

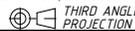
1. Position first Mesh Panel in Portrait orientation, resting on bottom Mesh Support Angle rail.
2. Position adjacent Mesh Panels with a 5-10mm gap to allow for fixing screw between each Panel.
3. Fix Mesh Panels as indicated in Detail E and Detail F views.
4. Each Mesh Panel to be fixed with 20x Self Tapping Screws and Profiled Mesh Washers.

**Stage 3b: Mesh Panel Assembly**

MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm High			
FINISH:					General Arrangement			
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>		DWG NO.	REVISION:	SHEET SIZE	
DRAWN	W. Rogulski	1/04/2022	<small>U.N.O. TOLERANCES: ±1mm          ALL DIMENSIONS ARE IN: mm</small>		 THIRD ANGLE PROJECTION	<b>SD-CP-06003</b>	<b>B A4</b>	
CHK'D	T. Colquhoun	01/04/2022	STATUS: <b>APPROVED</b>					WEIGHT: 223.6kg
APPV'D	H. Wallace	01/04/2022						



Stage 4: Final Assembly

MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Screen RhinoStop® Screen Type 3, 1900mm 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: TOLARANCES: ±1mm</small> <small>ALL DIMENSIONS ARE IN: mm</small>	DWG NO.	REVISION:	SHEET SIZE	
DRAWN	W. Rogulski	1/04/2022		 THIRD ANGLE PROJECTION	SD-CP-06003	B	A4
CHK'D	T. Colquhoun	01/04/2022					
APPV'D	H. Wallace	01/04/2022					
STATUS:			<b>APPROVED</b>	WEIGHT: 223.6kg	DO NOT SCALE DRAWING	SCALE: 1:20	