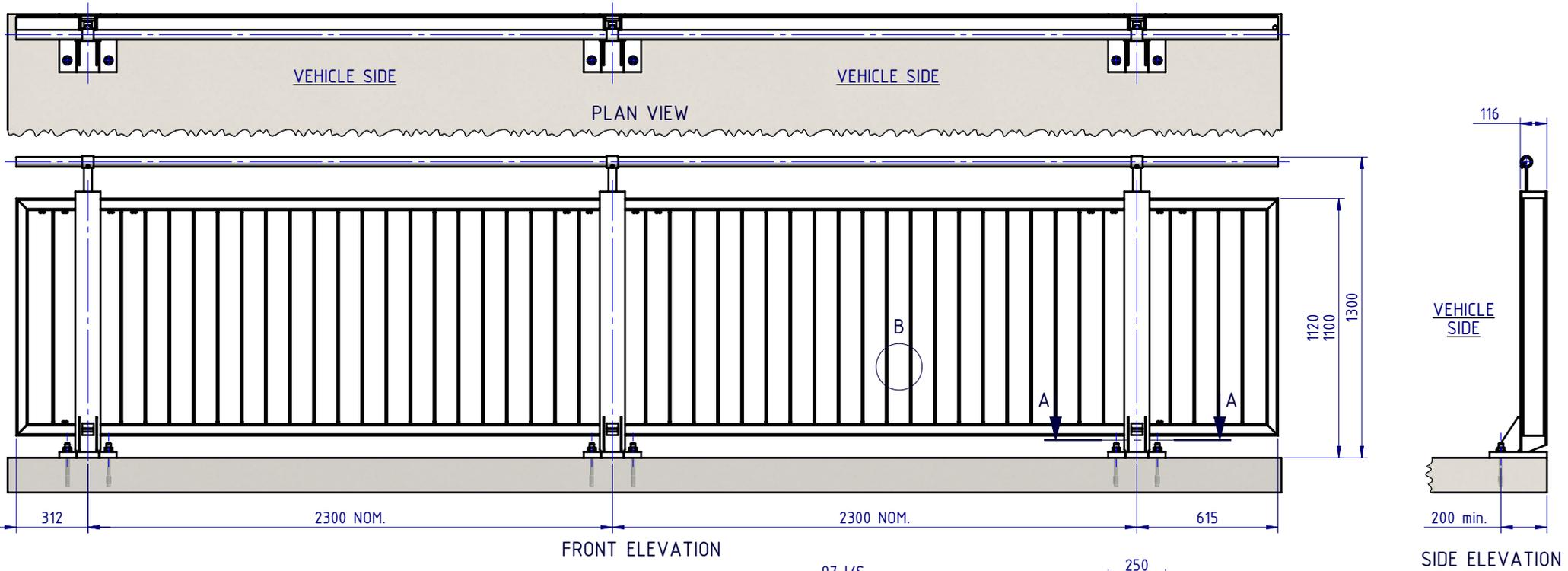


Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
1500 kg	15 km/h	0.5 m	13.2 kJ	One (1) panel supported by two (2) posts at 2.3 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	22 km/h	0.5 m	37.2 kJ	Three (3) panels supported by four (4) posts at 2.3 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	20 km/h	1.0 m	31.4 kJ	Two (2) panels supported by three (3) posts at 2.3 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	30/03/2016	TC
B		Redrawn from AutoCAD	10/12/2021	HW
C		Updated Post pitch to 2300 nom.	21/02/2022	HW
D		Sight Rail height updated to 1300mm.	30/03/2022	HW
E		Performance & Installation Req. Tables Added	24/11/2025	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



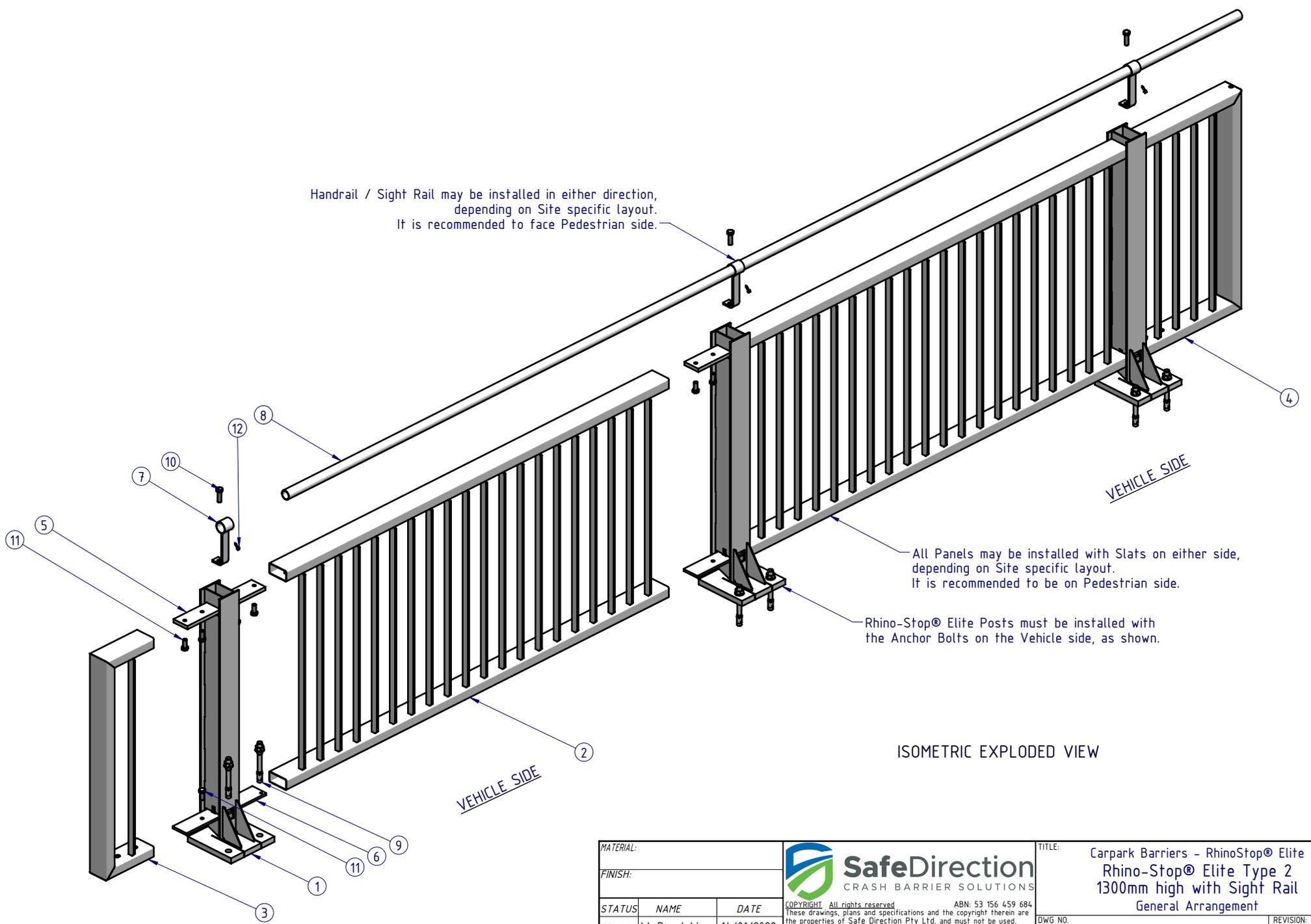
BOM				
ITEM NO.	QTY	PART NUMBER	DESCRIPTION	Weight kg
1	3	RE-PB-RS-1150-AG	Rhino-Stop® Elite Post	30.8
2	2	RE-IP-SR-2205-AG	Rhino-Stop® Intermediate Panel	63.7
3	1	RE-EP-SR-0277-AG	Rhino-Stop® End Panel 272mm	11.4
4	1	RE-EP-SR-0575-AG	Rhino-Stop® End Panel 575mm	20.6
5	3	RE-JP-TP-0450-AG	Top Joiner Plate	4.4
6	3	RE-JP-BP-0460-AG	Bottom Joiner Plate	3.0
7	3	RE-MX-MX-0200-AG	Rhino-Stop® Elite Sight Rail Extension	0.6
8	1	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	17.0
9	6	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
10	3	GR-FS-16-0050-HZ	M16x50 Hex Head Bolt Class 4.6 HDG	
11	14	GR-FS-16-0035-HZ	M16x35 Hex Head Bolt Class 4.6 HDG	
12	3	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	

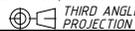
DETAIL B  
SCALE 1:10

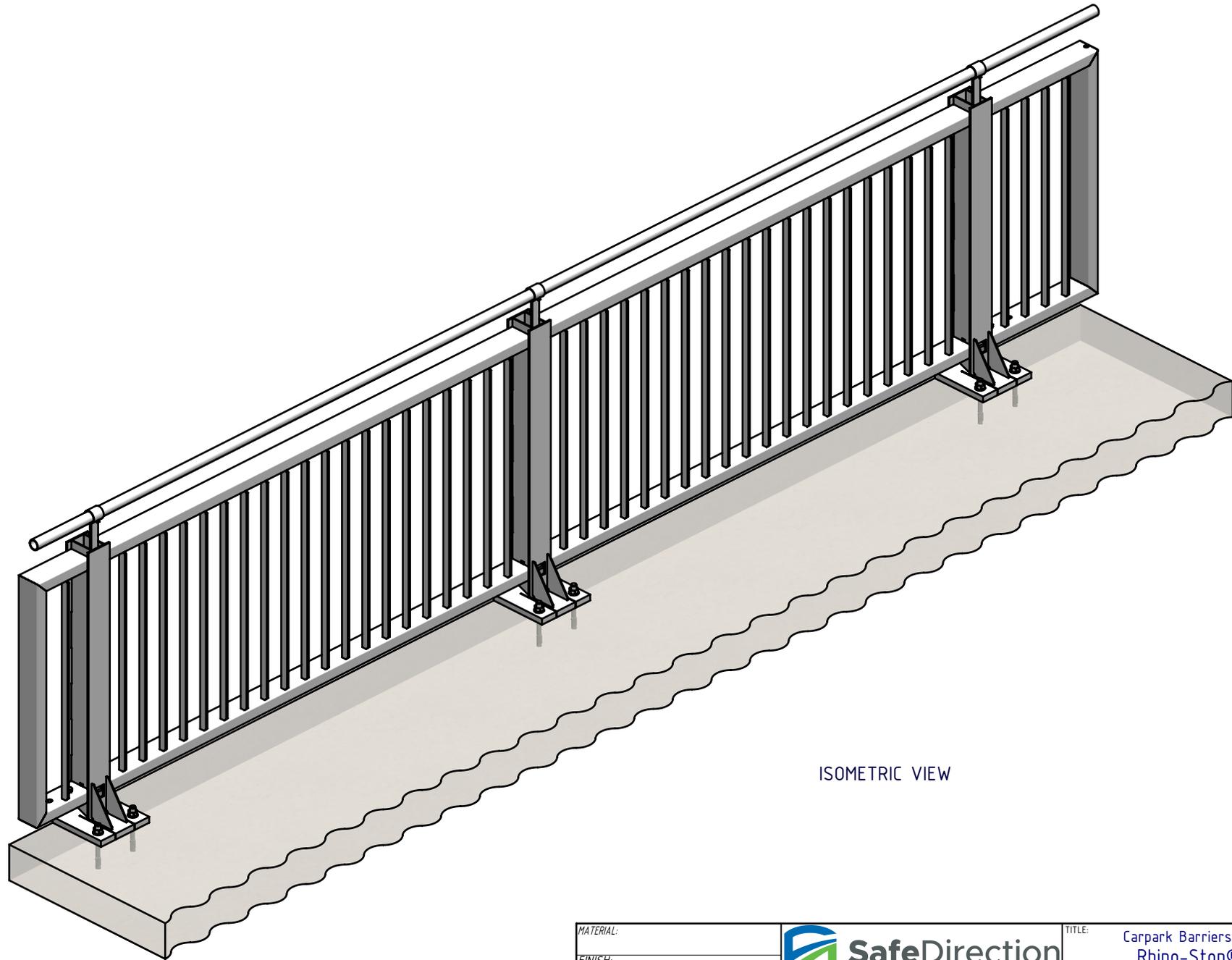
SECTION A-A

MATERIAL:		<p><b>SafeDirection</b> CRASH BARRIER SOLUTIONS</p>	TITLE: Carpark Barriers - RhinoStop® Elite Rhino-Stop® Elite Type 2 1300mm high with Sight Rail General Arrangement		
FINISH:			DWG NO. SD-CP-04002	REVISION: E	SHEET SIZE: A4
STATUS	NAME	DATE	WEIGHT: 1802.7kg		
DRAWN	W. Rogulski	14/01/2022	DO NOT SCALE DRAWING		
CHK'D	T. Colquhoun	18/02/2026	SCALE: 1:25		
APPV'D	H. Wallace	18/02/2026	SHEET 1 of 3		

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 U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm  
 THIRD ANGLE PROJECTION  
**APPROVED**



MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE:				
FINISH:					Carpark Barriers - RhinoStop® Elite Rhino-Stop® Elite Type 2 1300mm high with Sight Rail 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.          U.N.O. TOLERANCES: ±1mm          ALL DIMENSIONS ARE IN: mm</small>  <b>THIRD ANGLE PROJECTION</b>			DWG NO.	REVISION:	SHEET SIZE	
DRAWN	W. Rogulski	14/01/2022				SD-CP-04002		E	A4
CHK'D	T. Colquhoun	18/02/2026				SD-CP-04002		E	A4
APPV'D	H. Wallace	18/02/2026				SD-CP-04002		E	A4
STATUS:			<b>APPROVED</b>		WEIGHT: 1802.7kg	DO NOT SCALE DRAWING	SCALE: 1:20	SHEET 2 of 3	



ISOMETRIC VIEW

MATERIAL:			 <p><b>SafeDirection</b> CRASH BARRIER SOLUTIONS</p>	TITLE: Carpark Barriers - RhinoStop® Elite Rhino-Stop® Elite Type 2 1300mm high with Sight Rail General Arrangement					
FINISH:				DWG NO. SD-CP-04002					
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>			REVISION: E	SHEET SIZE: A4		
DRAWN	W. Rogulski	14/01/2022				WEIGHT: 1802.7kg	DO NOT SCALE DRAWING	SCALE: 1:20	SHEET 3 of 3
CHK'D	T. Colquhoun	18/02/2026							
APPV'D	H. Wallace	18/02/2026							<b>APPROVED</b>