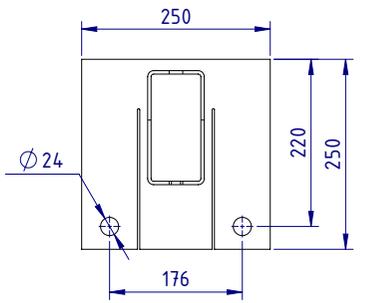


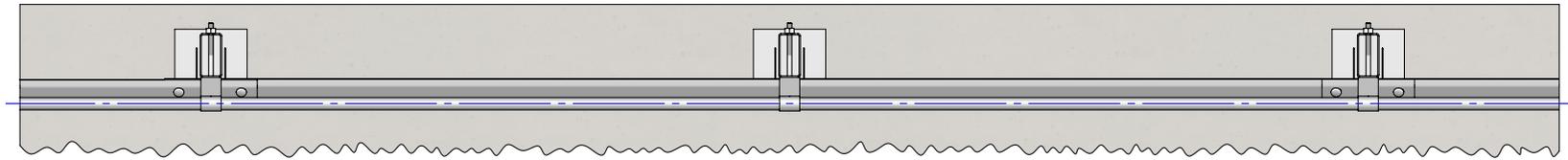
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	24 km/h	0.5 m	46.2 kJ	4 m double-height w-beam supported by five (5) posts at 1.0 m centres secured to a 150 mm thick concrete slab.
2000 kg	27 km/h	0.5 m	57.4 kJ	6 m double-height w-beam supported by four (4) posts at 2.0 m centres secured to a 150 mm thick concrete slab.
2500 kg	20 km/h	1.0 m	36.9 kJ	8 m double-height w-beam supported by four (5) posts at 2.0 m centres secured to a 150 mm thick concrete slab.

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

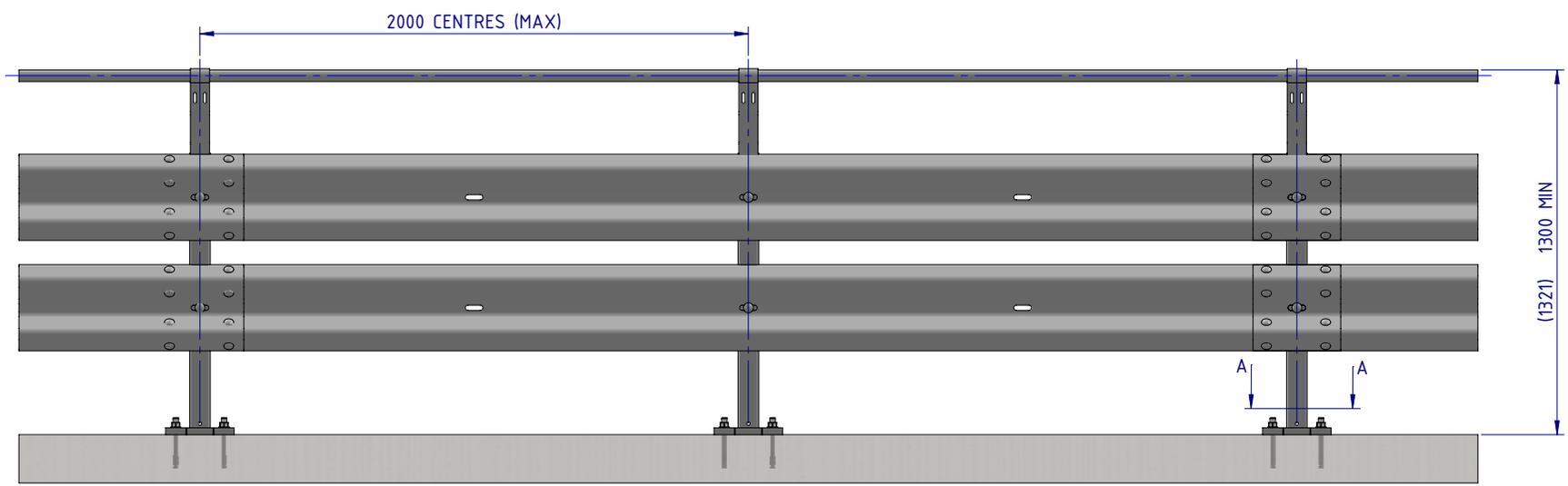
REV	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue, supersedes GR-WB-042	20/09/2022	HW
B		PERFORMANCE & INSTALLATION REQ. TABLES ADDED	20/09/2022	HW



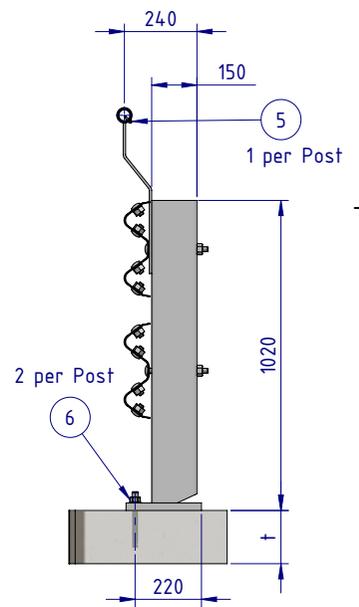
SECTION A-A
BASE PLATE DETAIL
SCALE 1:10



PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION

ITEM NO.	PART NUMBER	DESCRIPTION	Weight t kg
1	GR-PB-RS-1050-AG	Rhino-Stop® Truck Guard Post	26.4
2	GR-WB-SR-4000-CG	W-Beam Guardrail 4.0M NLL, 1.0M CTRS	43.3
3	GR-MX-MX-0545-AG	RhinoStop Truck Guard Handrail Extension	2.5
4	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	4.4
5	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	
6	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
7	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.2
8	GR-FS-16-0200-MG	M16x200 Mushroom Head POST Bolt & O/S Nut Assy Class 4.6 HDG	0.5

MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	J. An	20/09/2022
CHK'D	T. Colquhoun	20/09/2022
APPV'D	H. Wallace	20/09/2022

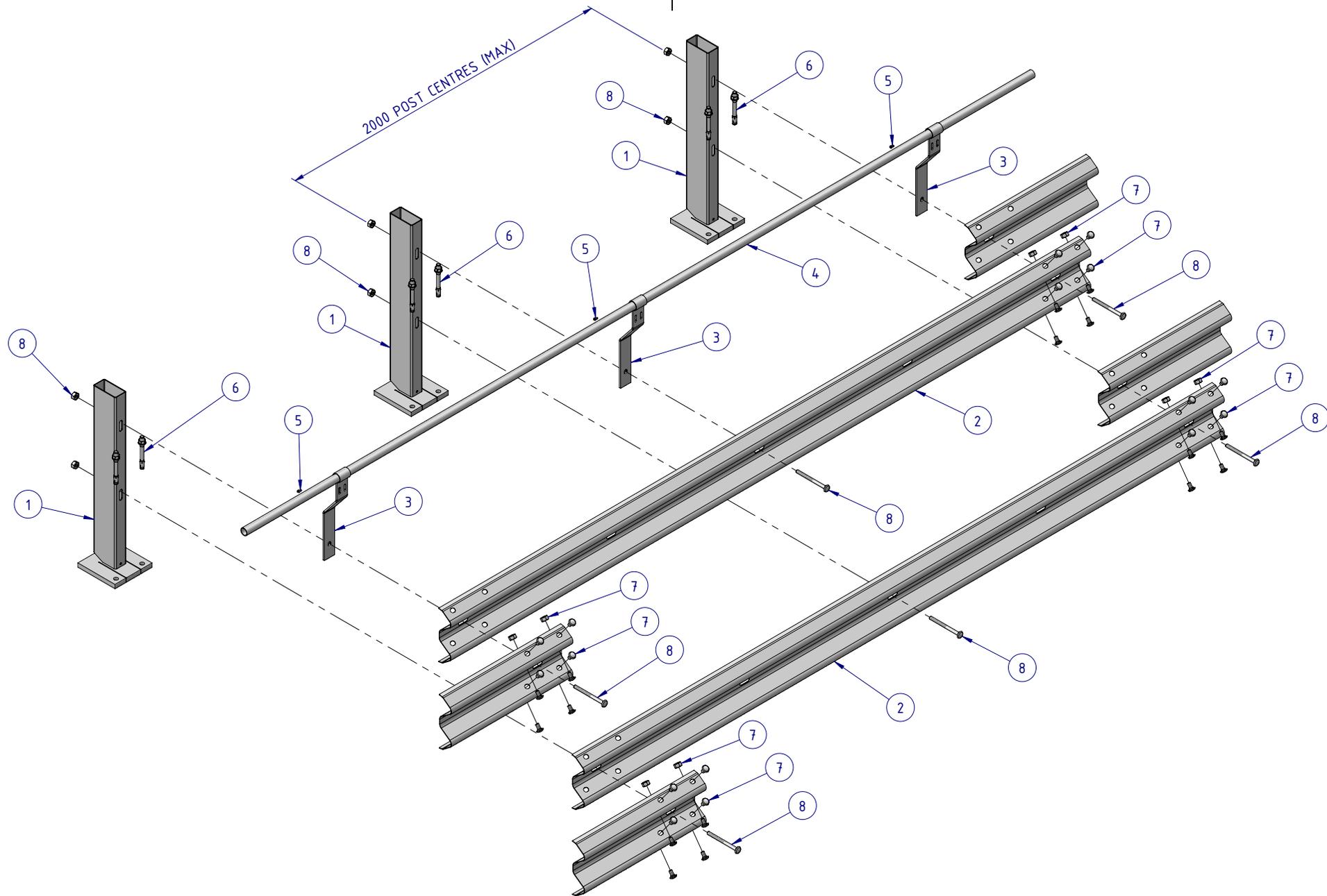
SafeDirection
CRASH BARRIER SOLUTIONS

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

APPROVED

TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 3 GuardRail & Nearside Balustrade General Arrangement		
DWG NO. SD-CP-03003	REVISION: B	SHEET SIZE: A4
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:25 SHEET 1 of 3



MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	J. An	12/09/2022
CHK'D	T. Colquhoun	12/09/2022
APPV'D	H. Wallace	12/09/2022

SafeDirection
CRASH BARRIER SOLUTIONS

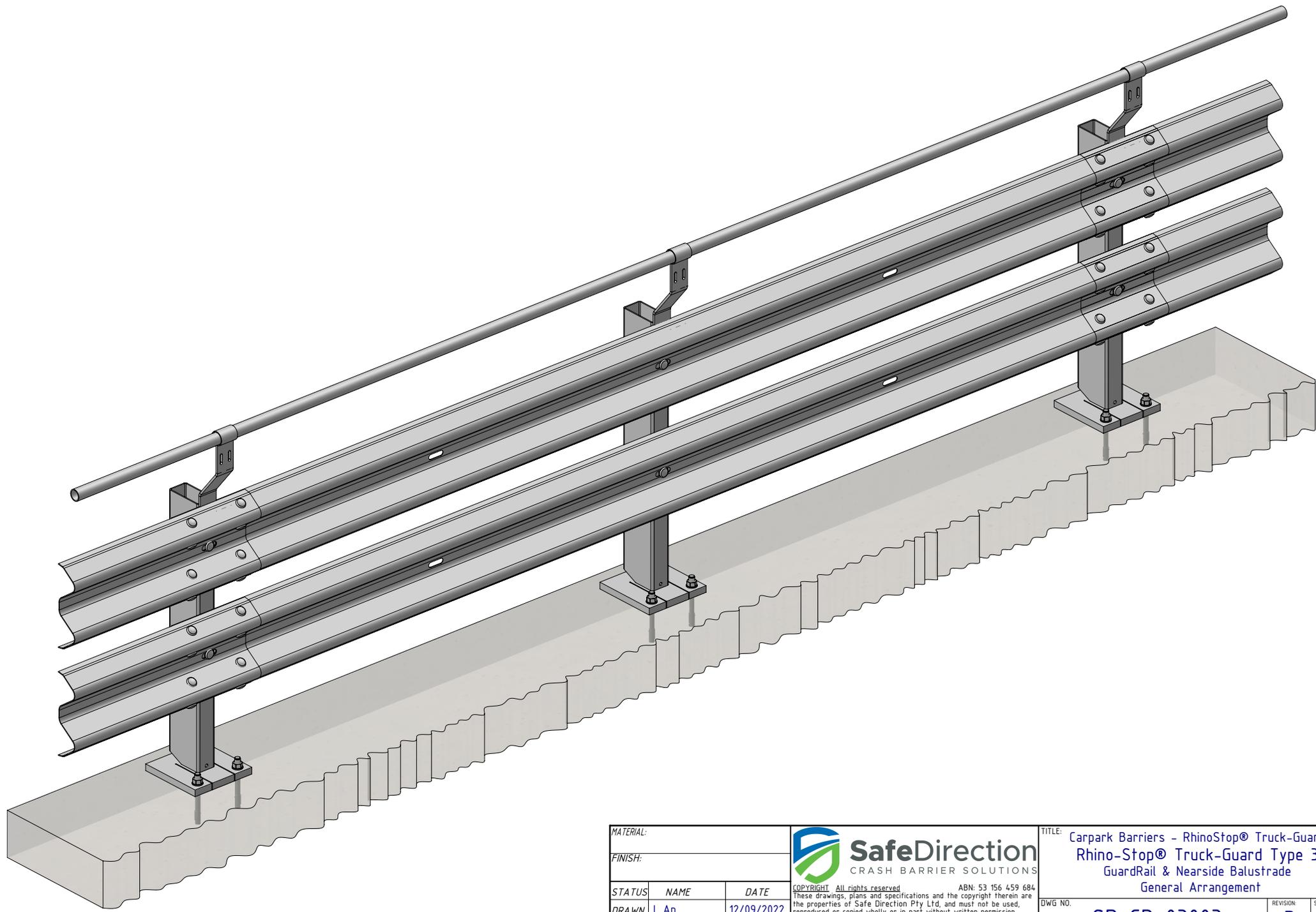
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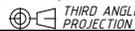
U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

THIRD ANGLE PROJECTION

APPROVED

TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 3 GuardRail & Nearside Balustrade General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-03003	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 2 of 3



MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 3 GuardRail & Nearside Balustrade General Arrangement			
FINISH:				<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
STATUS	NAME	DATE	<small>U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small>  THIRD ANGLE PROJECTION	SD-CP-03003	B	A4	
DRAWN	J. An	12/09/2022					
CHK'D	T. Colquhoun	12/09/2022					
APPV'D	H. Wallace	12/09/2022					
STATUS:			APPROVED	WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 3 of 3