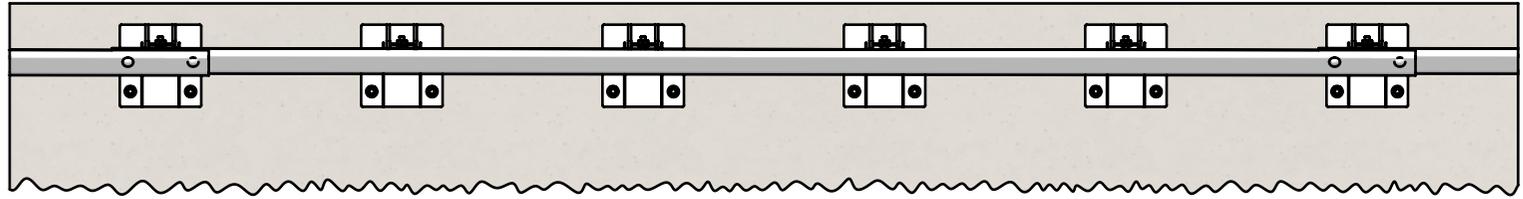


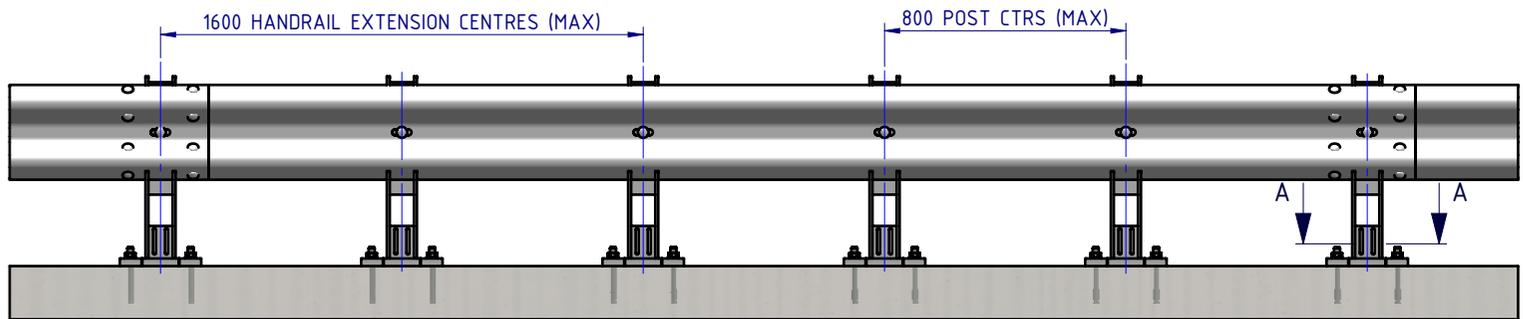
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	30 km/h	0.5 m	67.2 kJ	4 m w-beam supported by six (6) posts at 0.8 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	20 km/h	0.5 m	29.6 kJ	6 m w-beam 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.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue, supersedes GR-WB-170	20/07/2022	HW
B		Rhino-Stop Heavy Duty Post revision, updated	27/06/2025	HW
C		Performance & Installation Req. Tables Added	24/02/2026	HW

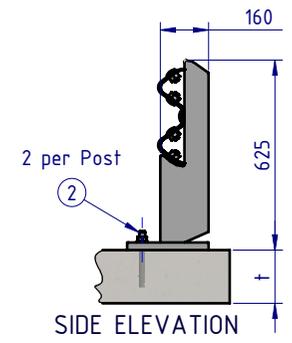
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm



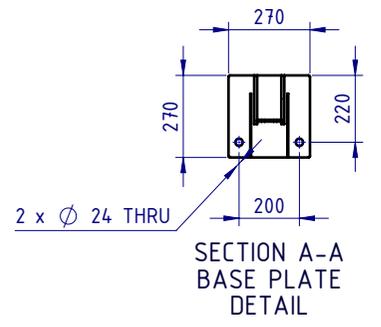
PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION



SECTION A-A
BASE PLATE
DETAIL

BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-0625-DG	Rhino-Stop® Heavy Duty Post	25.6
2	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
3	GR-WB-SR-4000-GG	W-Beam Guardrail 4.0m NLL, 0.8m CTRS	43.3
4	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.2
5	GR-FS-16-0050-MG	M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6	0.2

MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	20/07/2022
CHK'D	T. Colquhoun	11/09/2025
APPV'D	H. Wallace	11/09/2025

SafeDirection
CRASH BARRIER SOLUTIONS

ABN: 53 156 459 684
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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 1 GuardRail General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-05001	C	A4	
WEIGHT: 909.5kg	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 1 of 3

1 2 3 4 5 6

A

B

C

D

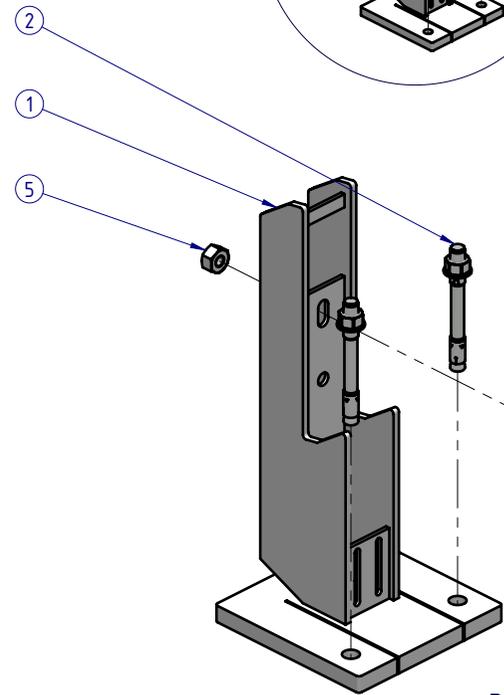
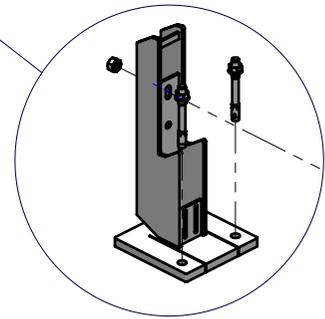
A

B

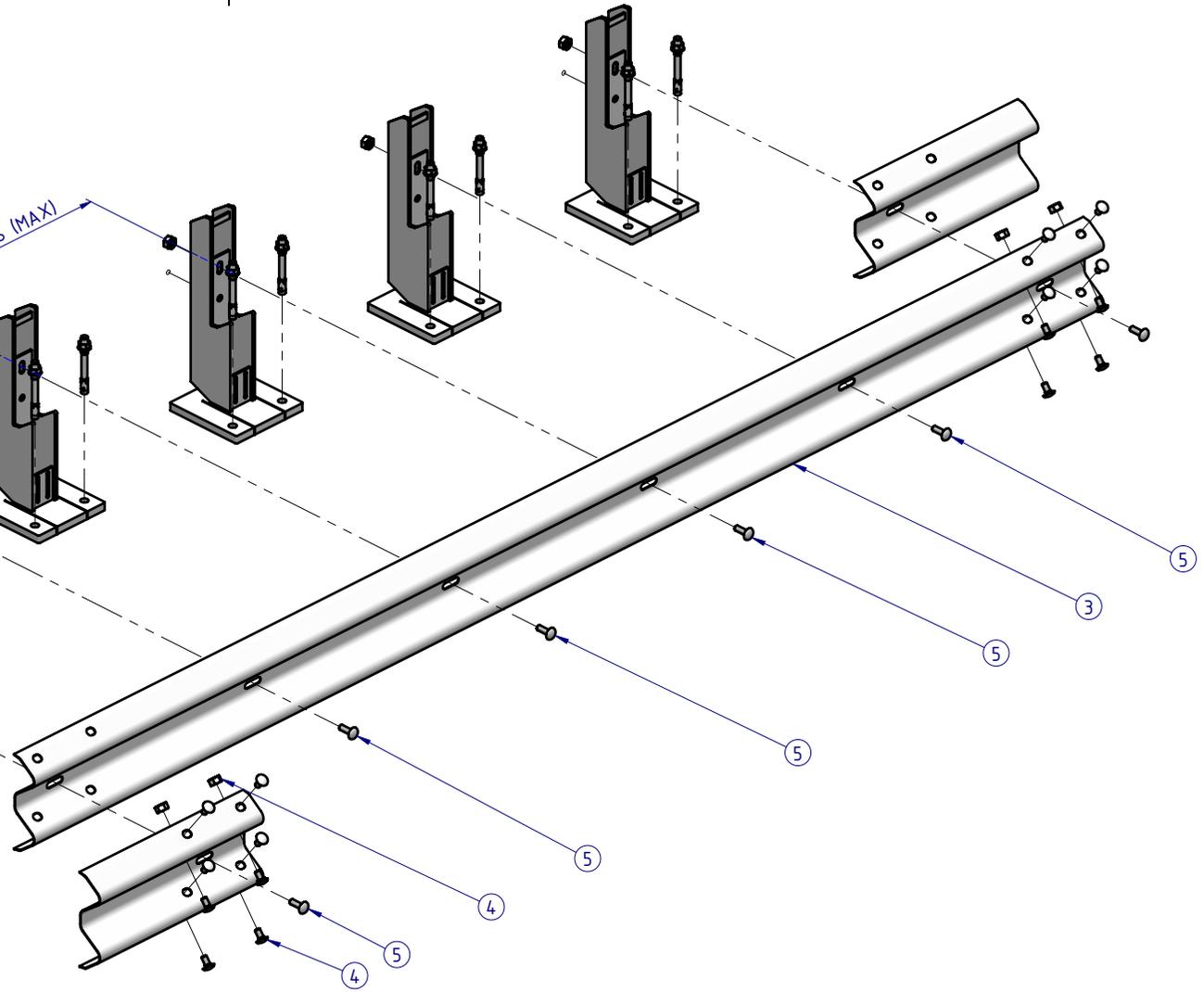
C

D

800
POST CTRS (MAX)

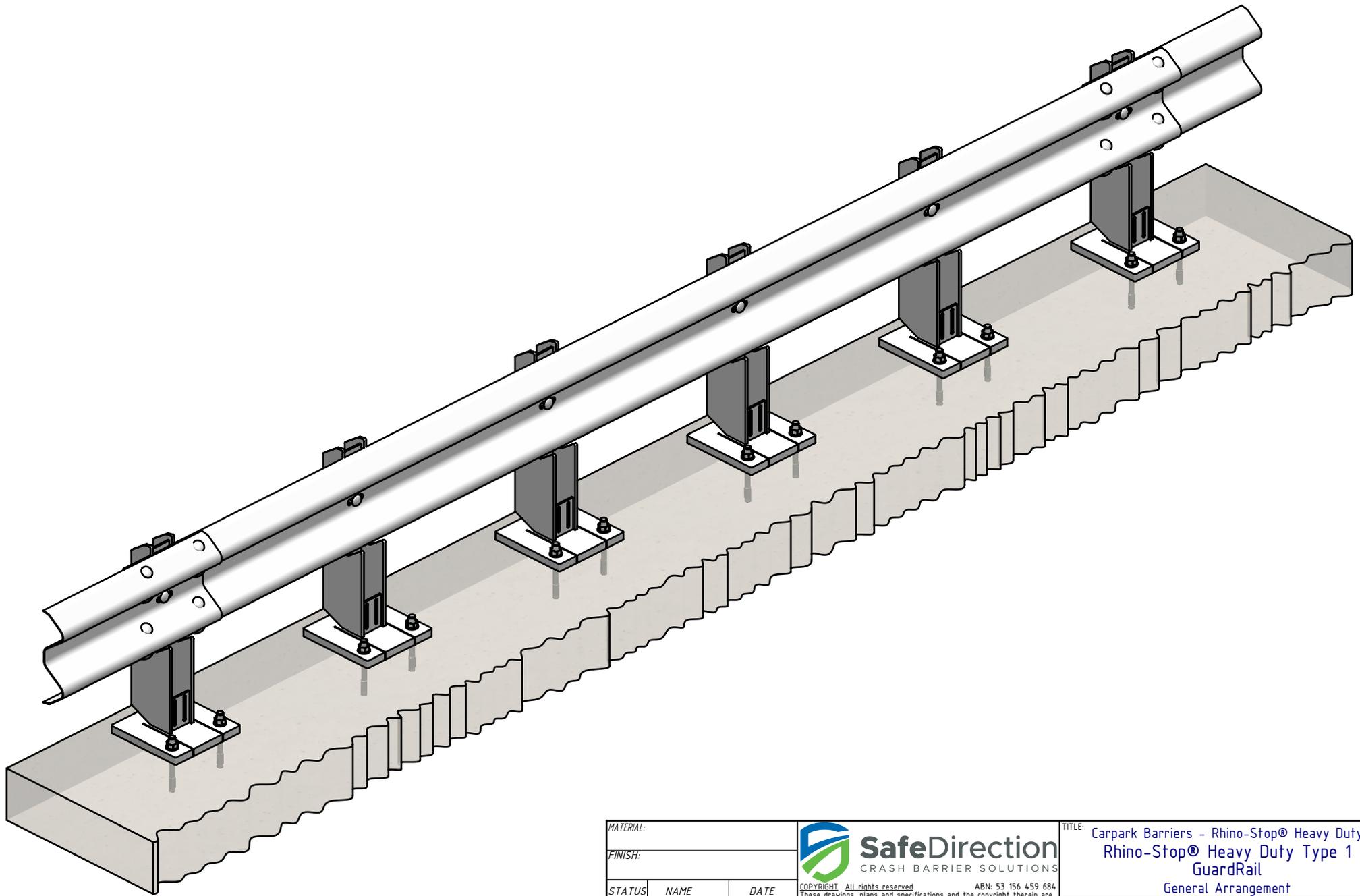


DETAIL C
SCALE 1:10



MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 1 GuardRail General Arrangement		
FINISH:				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.		
STATUS	NAME	DATE	U.N.O: TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm	DWG NO.	REVISION:	SHEET SIZE
DRAWN	W. Rogulski	20/07/2022		SD-CP-05001	C	A4
CHK'D	T. Colquhoun	11/09/2025		THIRD ANGLE PROJECTION	SCALE: 1:20	SHEET 2 of 3
APPV'D	H. Wallace	11/09/2025		APPROVED <small>© Users\Wesam.Refaei\Documents\SD\SD\Assembly\SD-CP Carpark Barriers\SD-CP-05000 RhinoStop 240\SD-CP-05001 - RhinoStop 240 Type 1</small>	WEIGHT: 909.5kg	DO NOT SCALE DRAWING

1 2 3 4 5 6



MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 1 GuardRail General Arrangement				
FINISH:				DWG NO: SD-CP-05001 REVISION: C SHEET SIZE: A4				
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>			<small>DO NOT SCALE DRAWING</small> SD-CP-05001	SCALE: 1:15	SHEET 3 of 3
DRAWN	W. Rogulski	20/07/2022				WEIGHT: 909.5kg	SCALE: 1:15	SHEET 3 of 3
CHK'D	T. Colquhoun	11/09/2025				STATUS: APPROVED	SCALE: 1:15	SHEET 3 of 3
APPV'D	H. Wallace	11/09/2025				SCALE: 1:15	SHEET 3 of 3	SHEET 3 of 3