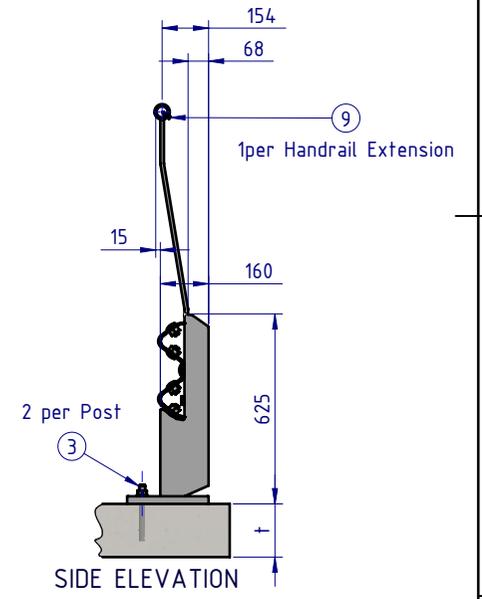
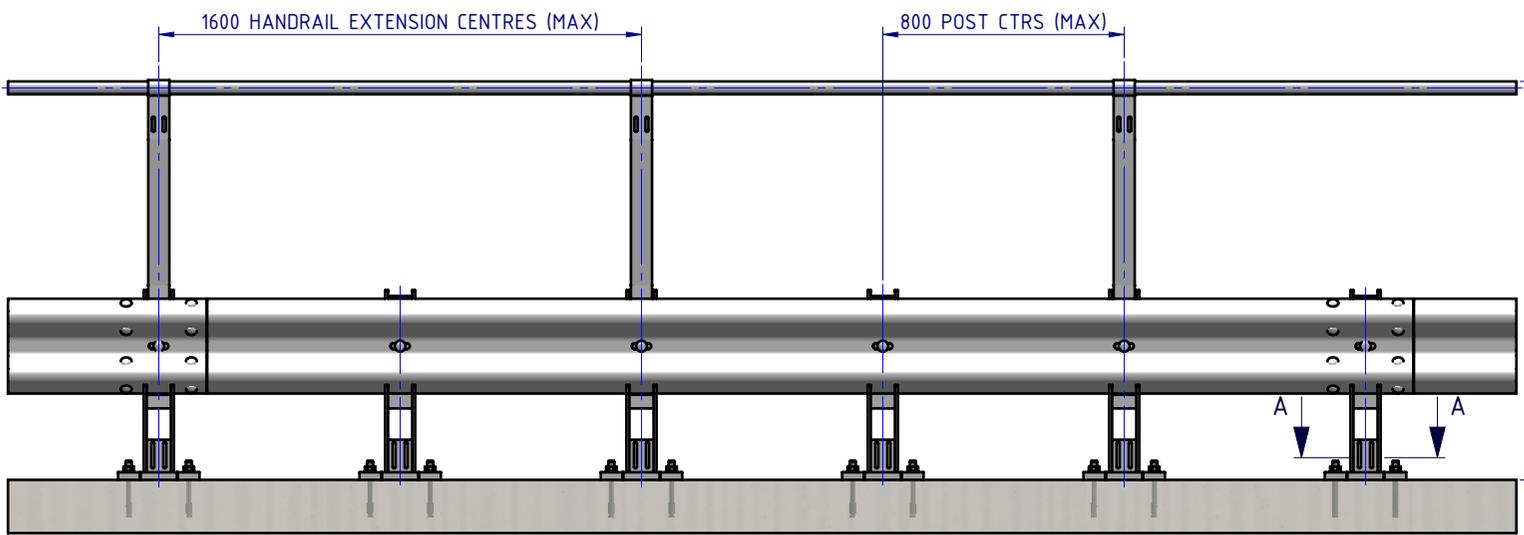
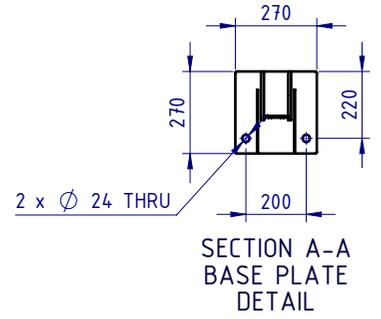
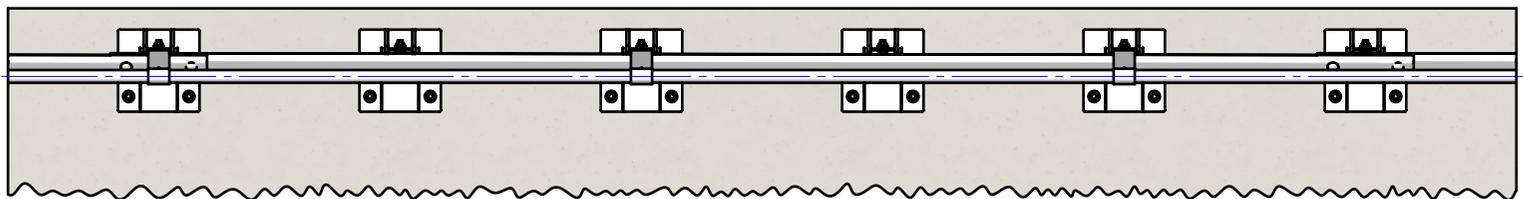


Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	30 km/h	0.5 m	67.2 kJ	4 m w-beam supported by six (6) posts at 0.8 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	20 km/h	0.5 m	29.6 kJ	6 m w-beam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

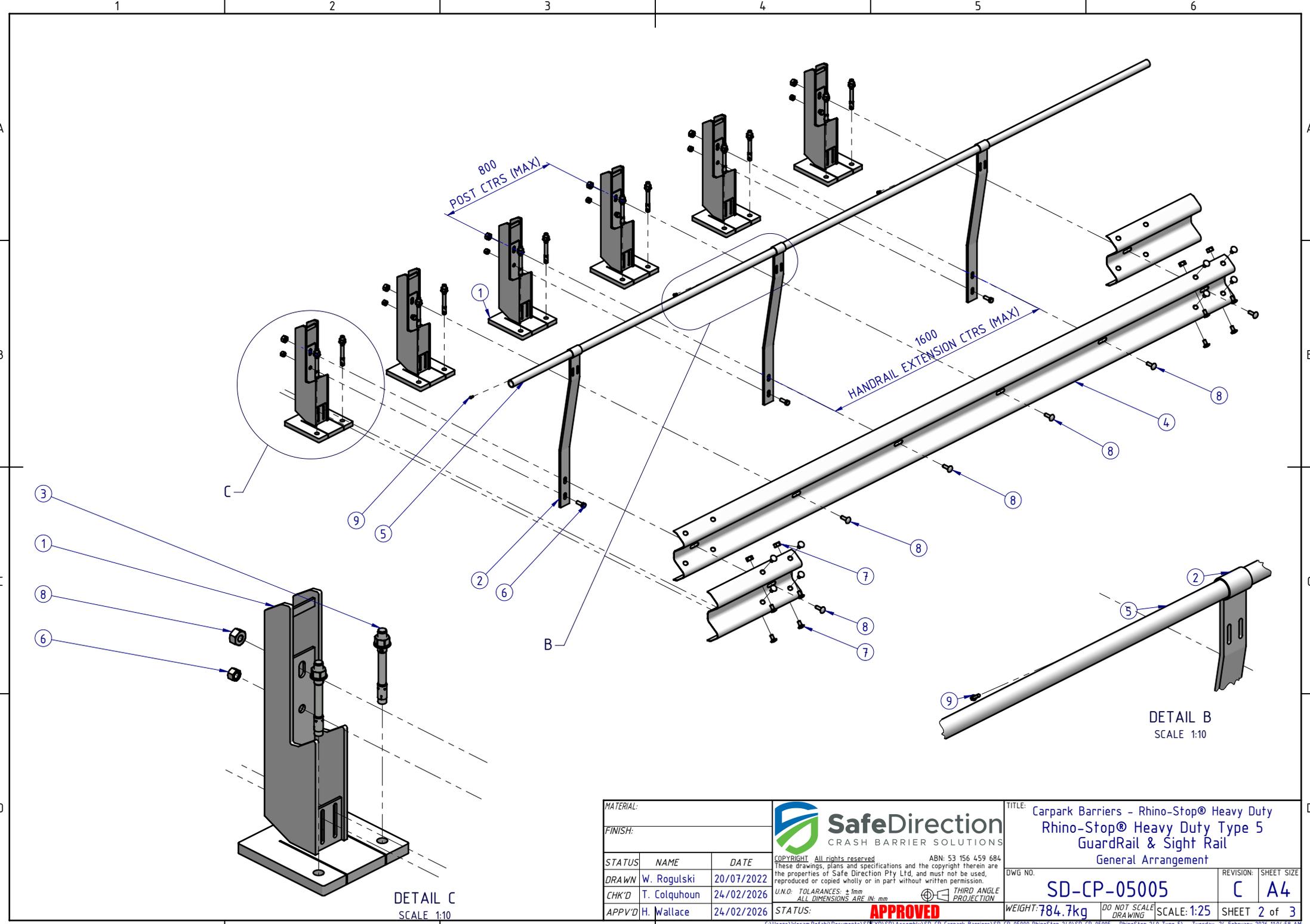
REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue, supersedes GR-WB-174	20/07/2022	HW
B		Rhino-Stop Heavy Duty Post, revision updated	27/06/2025	HW
C		Performance & Installation Req. Tables Added	24/02/2026	HW

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



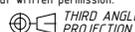
BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-0625-DG	Rhino-Stop® Heavy Duty Post	25.6
2	GR-MX-MX-1010-AG	Handrail Extension Type 6	6.6
3	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
4	GR-WB-SR-4000-GG	W-Beam Guardrail 4.0m NLL, 0.8m CTRS	43.3
5	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	20.1
6	GR-FS-16-0045-HG	M16x45 Hex Head Bolt & Nut Assy	0.0
7	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.2
8	GR-FS-16-0050-MG	M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6	0.2
9	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	

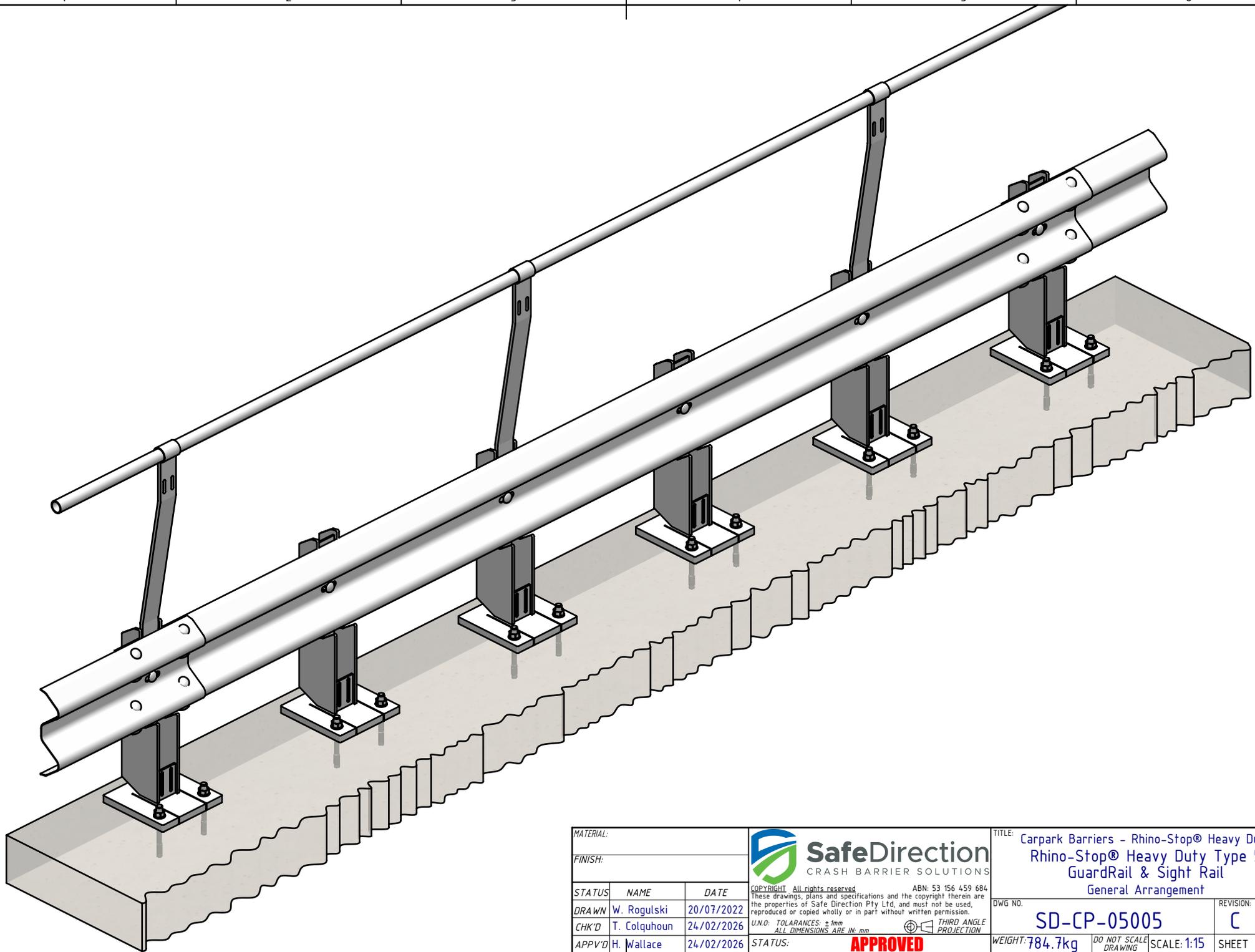
MATERIAL:		 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 5 GuardRail & Sight Rail General Arrangement	
FINISH:			DWG NO. SD-CP-05005 REVISION: C SHEET SIZE: A4	
STATUS	NAME	DATE	COPYRIGHT: All rights reserved. ABN: 53 156 459 684 These 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	20/07/2022	WEIGHT: 784.7kg DO NOT SCALE DRAWING SCALE: 1:25 SHEET 1 of 3	
CHK'D	T. Colquhoun	24/02/2026	U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm THIRD ANGLE PROJECTION	
APPV'D	H. Wallace	24/02/2026	STATUS: APPROVED	



DETAIL C
SCALE 1:10

DETAIL B
SCALE 1:10

MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Type 5 GuardRail & Sight Rail General Arrangement				
FINISH:				<small>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>				
STATUS	NAME	DATE	<small>U.N.O. TOLERANCES: ±1mm</small> <small>ALL DIMENSIONS ARE IN: mm</small>			DWG NO.	REVISION:	SHEET SIZE
DRAWN	W. Rogulski	20/07/2022	 THIRD ANGLE PROJECTION			SD-CP-05005	C	A4
CHK'D	T. Colquhoun	24/02/2026						
APPV'D	H. Wallace	24/02/2026	STATUS: APPROVED			WEIGHT: 784.7kg	<small>DO NOT SCALE DRAWING</small>	SCALE: 1:25
						SHEET 2 of 3		



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 5 GuardRail & Sight Rail General Arrangement			
DWG NO:	REVISION:	SHEET SIZE	
SD-CP-05005	C	A4	
WEIGHT: 784.7kg	DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 3 of 3