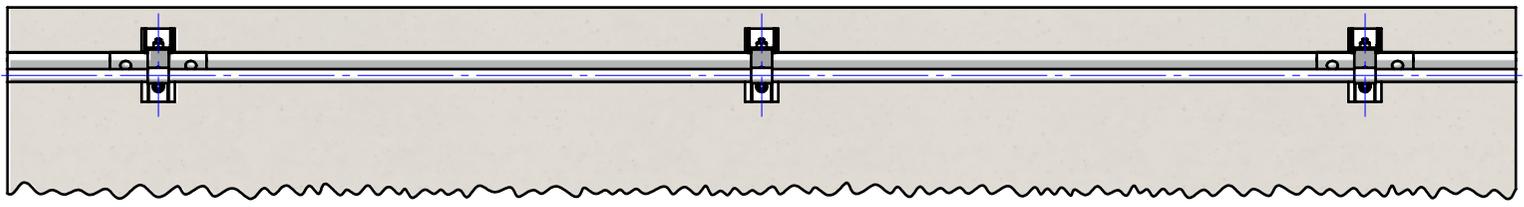


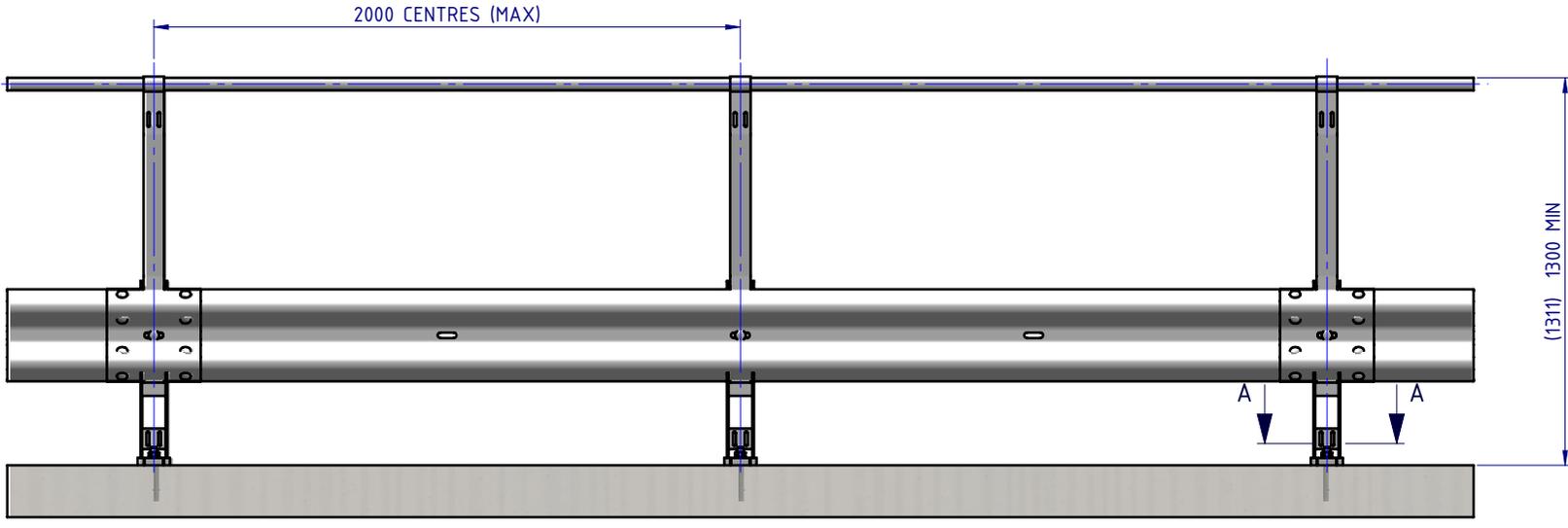
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
1500 kg	15 km/h	0.5 m	12.9 kJ	4 m w-beam supported by three (3) posts at 2.0 m centres positioned on the outside edge of a 150 mm elevated concrete slab.
2000 kg	13 km/h	0.5 m	13.0 kJ	4 m w-beam supported by three (3) posts at 2.0 m centres positioned on the outside edge of a 150 mm elevated concrete slab.

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
B		HANDRAIL EXTENSION CHANGED	01/04/2015	TC
C		HANDRAIL EXTENSION CHANGED	13/07/2017	TC
D		REDRAWN FROM AUTOCAD	30/11/2021	HW
E	B6	Updated GR-MX-MX-1010-AG_F, M16x45 B/N ASSY was M16x35	8/12/2021	HW
F		PERFORMANCE & INSTALLATION REQ. TABLES ADDED	22/10/2025	HW

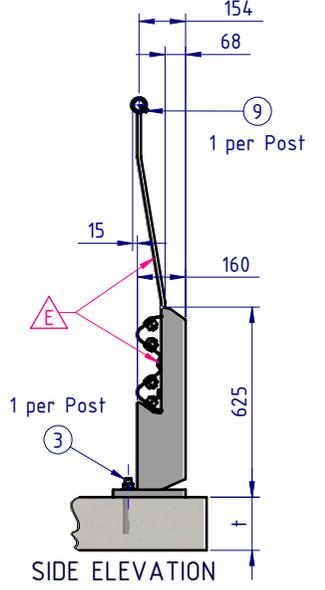
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	1 off	150 mm



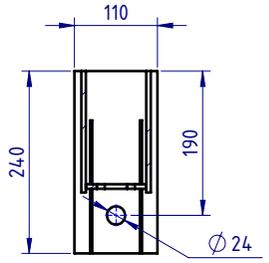
PLAN VIEW



FRONT ELEVATION



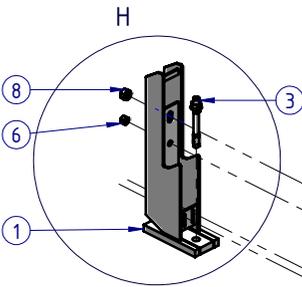
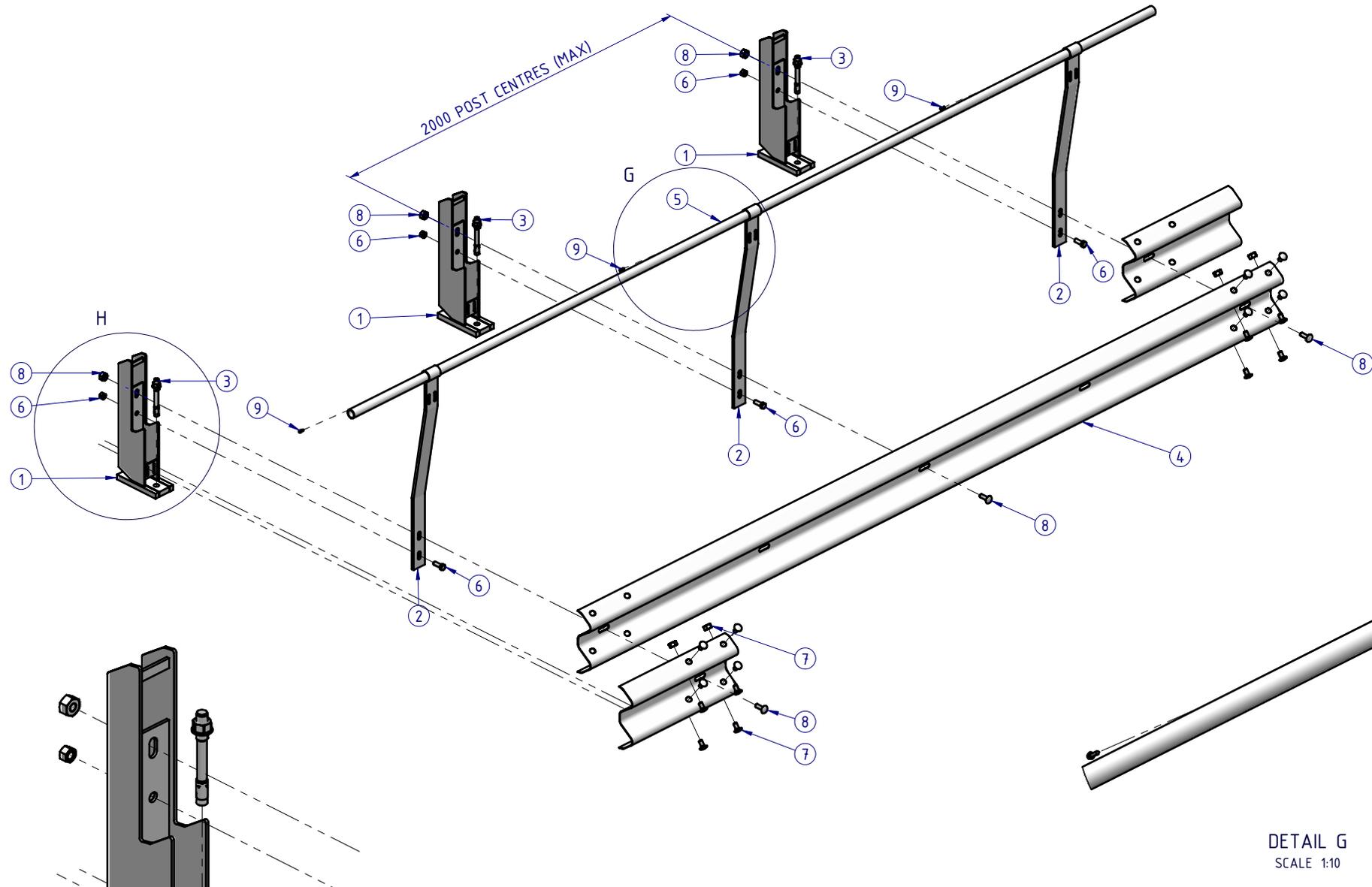
SIDE ELEVATION



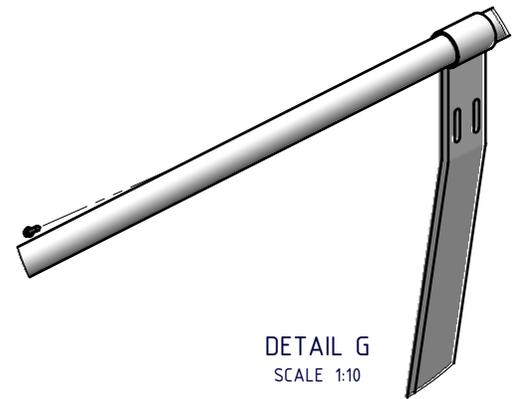
SECTION A-A
BASE PLATE
DETAIL
SCALE 1:10

BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-0625-CG	Rhino-Stop® Post	12.3
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-CG	W-Beam Guardrail 4.0M NLL, 1.0M 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 - RhinoStop® Standard Rhino-Stop® Standard Type 5 GuardRail & Sight Rail General Arrangement	
FINISH:			DWG NO: SD-CP-01005	
STATUS	NAME	DATE	REVISION: F	
DRAWN	W. Rogulski	14/01/2022	SHEET A4	
CHK'D	T. Colquhoun	14/01/2022	WEIGHT: 663.2kg	
APPV'D	H. Wallace	20/02/2026	SCALE: 1:25	
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U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm		THIRD ANGLE PROJECTION		DRAWING NOT TO SCALE
STATUS: APPROVED		SCALE: 1:25		DATE: 20 February 2026 12:45:15 PM

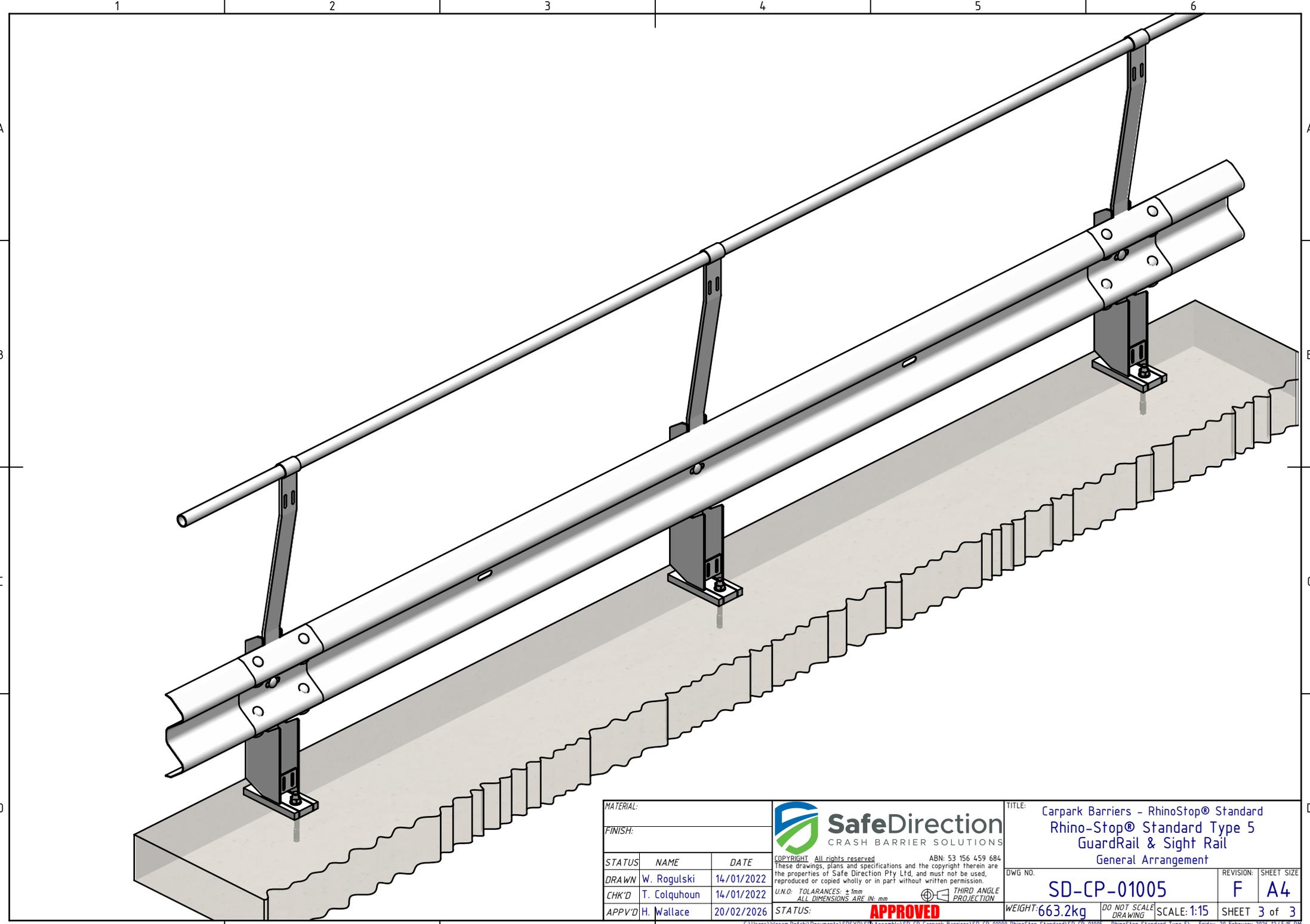


DETAIL H
SCALE 1:10



DETAIL G
SCALE 1:10

MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard 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. SD-CP-01005	REVISION: F	SHEET SIZE: A4
DRAWN	W. Rogulski	14/01/2022	<small>THIRD ANGLE PROJECTION</small>			WEIGHT: 663.2kg		
CHK'D	T. Colquhoun	14/01/2022	APPROVED			<small>DO NOT SCALE DRAWING</small>	SCALE: 1:25	SHEET 2 of 3
APPV'D	H. Wallace	20/02/2026	STATUS: APPROVED			<small>1/1/2026 12:45:15 PM</small>		



MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	14/01/2022
CHK'D	T. Colquhoun	14/01/2022
APPV'D	H. Wallace	20/02/2026

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 - RhinoStop® Standard Rhino-Stop® Standard Type 5 GuardRail & Sight Rail General Arrangement		
DWG NO. SD-CP-01005	REVISION: F	SHEET SIZE A4
WEIGHT: 663.2kg	DO NOT SCALE DRAWING	SCALE: 1:15
STATUS: APPROVED		SHEET 3 of 3