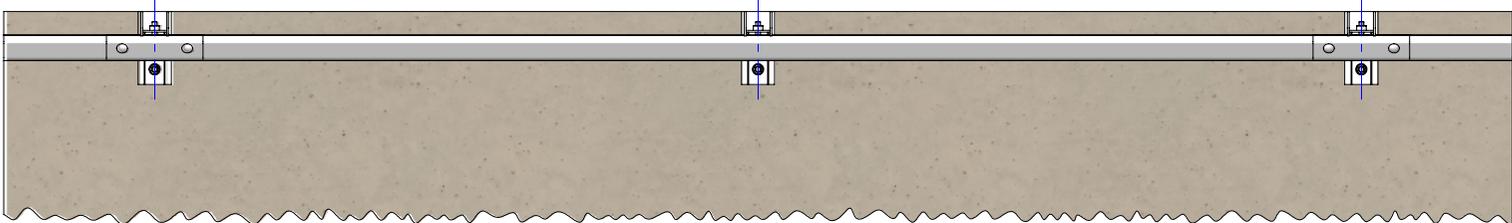


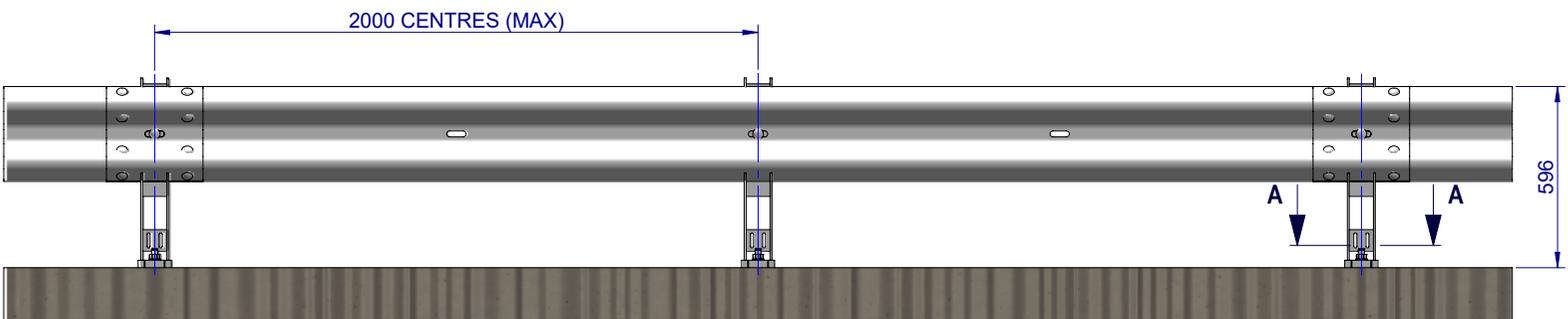
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
1500 kg	15 km/h	0.5 m	12.9 kJ	4 m w-beam supported by three (3) posts at 2.0 m centres positioned on the outside edge of a 150 mm elevated concrete slab.
2000 kg	13 km/h	0.5 m	13.0 kJ	4 m w-beam supported 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	APPVD
A		INITIAL ISSUE	17/10/2013	TC
B		PLATE ADDED TO POST	13/07/2017	TC
C		Redrawn from AutoCAD	30/11/2021	HW
D		Relocated Post Base	18/01/2023	HW
E		Performance & Installation Req. tables added	20/10/2025	HW

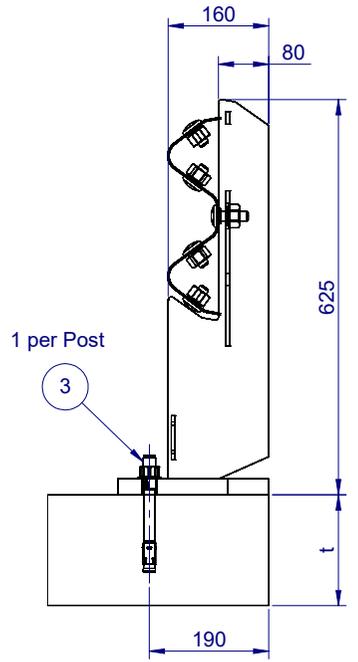
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	1 off	150 mm



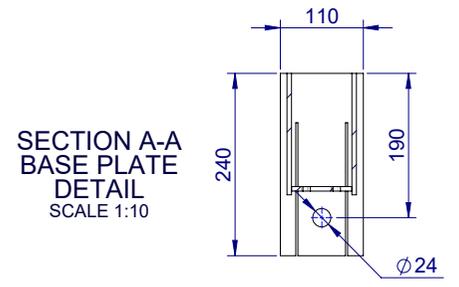
PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION  
SCALE 1:12



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-WB-SR-4000-CG	W-Beam Guardrail 4.0M NLL, 1.0M CTRS	43.3
3	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
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	14/01/2022
CHK'D	T. Colquhoun	14/01/2022
APPV'D	H. Wallace	14/01/2022

**SafeDirection**  
CRASH BARRIER SOLUTIONS

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

**APPROVED**

TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 1 GuardRail General Arrangement			
DWG NO.	SD-CP-01001	REVISION:	SHEET SIZE
		E	A4
WEIGHT: 689.1kg	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 1 of 3

1 2 3 4 5 6

A

B

C

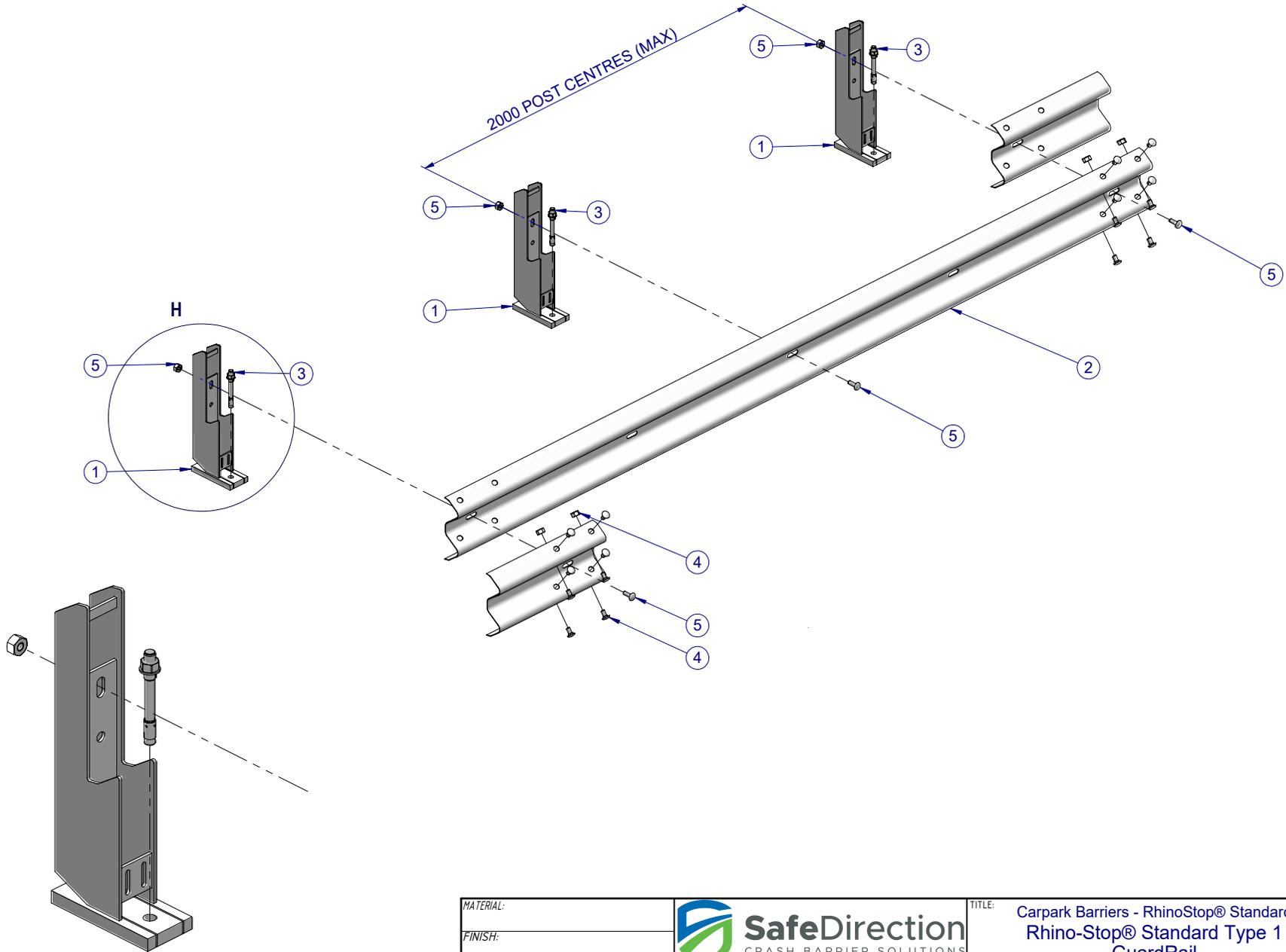
D

A

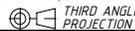
B

C

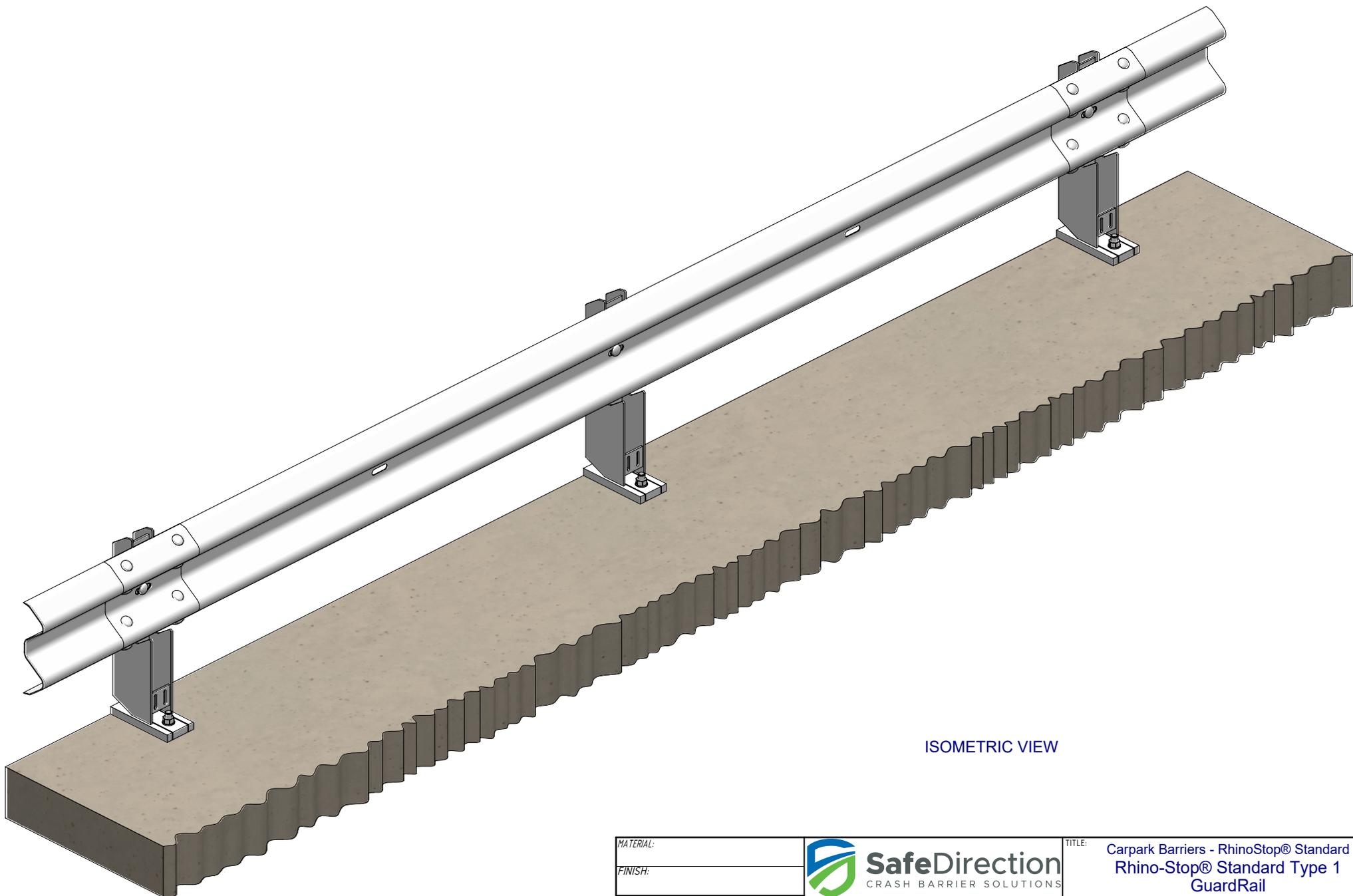
D



**DETAIL H**  
SCALE 1:10

MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 1 GuardRail 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. <b>SD-CP-01001</b>	REVISION: <b>E</b>	SHEET SIZE: <b>A4</b>	
STATUS	NAME	DATE	<small>U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small>	 <small>THIRD ANGLE PROJECTION</small>	WEIGHT: <b>689.1kg</b>	<small>DO NOT SCALE DRAWING</small>	SCALE: <b>1:25</b>	SHEET <b>2</b> of <b>3</b>
DRAWN	W. Rogulski	14/01/2022	<b>APPROVED</b>					
CHK'D	T. Colquhoun	30/11/2021						
APPV'D	H. Wallace	30/11/2021						

1 2 3 4 5 6



ISOMETRIC VIEW

MATERIAL:			 <b>SafeDirection</b> CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 1 GuardRail General Arrangement					
FINISH:					DWG NO. SD-CP-01001	REVISION: E	SHEET SIZE: A4			
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>			WEIGHT: 689.1kg		DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 3 of 3
DRAWN	W. Rogulski	14/01/2021				THIRD ANGLE PROJECTION		STATUS: <b>APPROVED</b>		
CHK'D	T. Colquhoun	30/11/2021								
APPV'D	H. Wallace	30/11/2021								