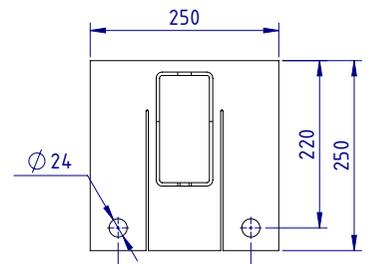


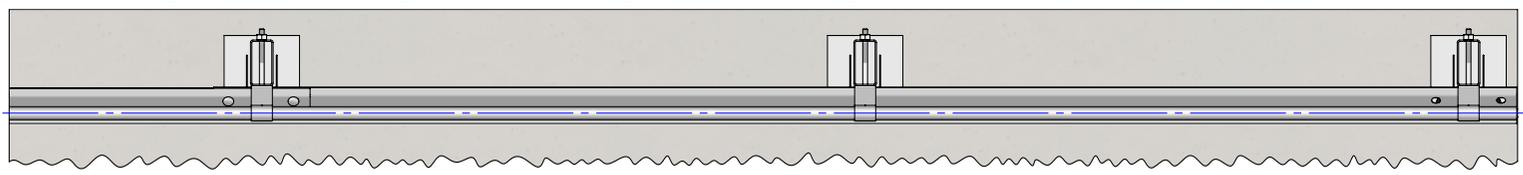
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	24 km/h	0.5 m	46.2 kJ	4 m double-height w-beam supported by five (5) posts at 1.0 m centres secured to a 150 mm thick concrete slab.
2000 kg	27 km/h	0.5 m	57.4 kJ	6 m double-height w-beam supported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

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		NEW	12/09/2022	HW
B		PERFORMANCE & INSTALLATION REQ. TABLES ADDED	14/11/2025	HW

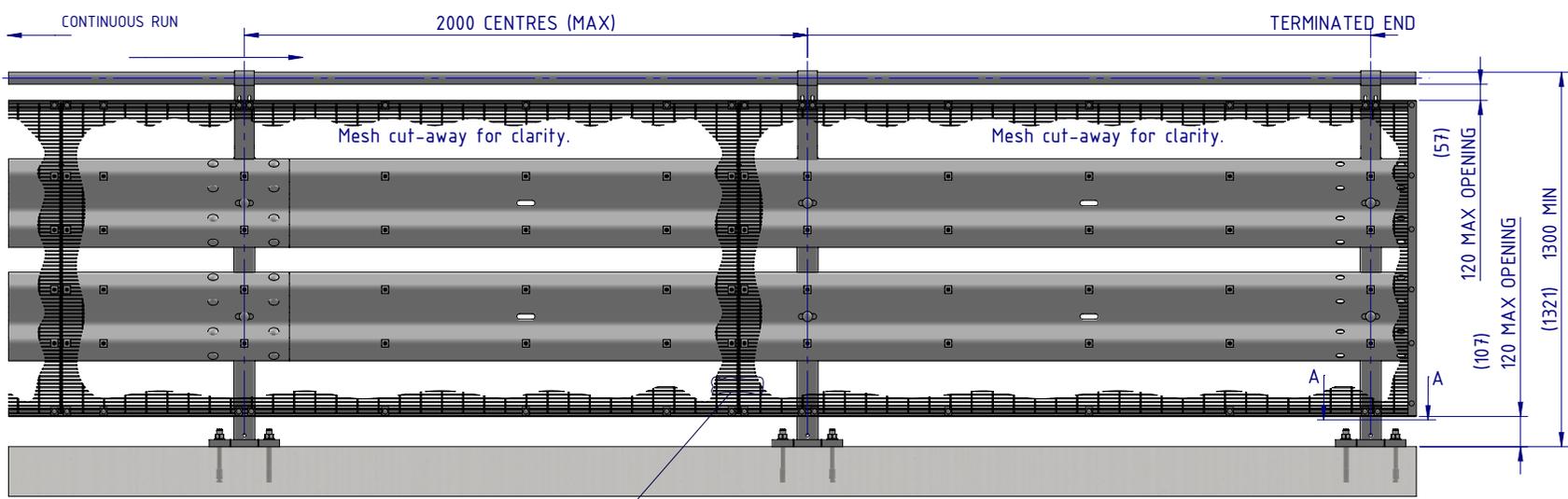
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm



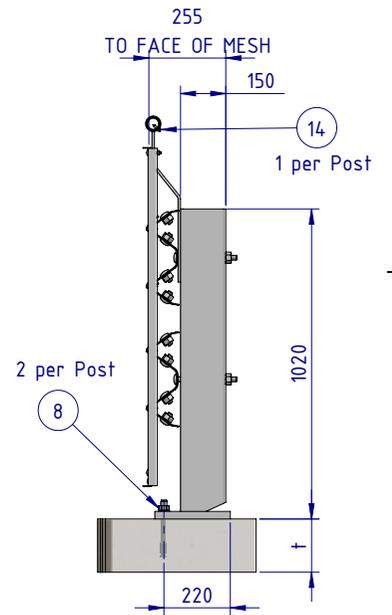
SECTION A-A
BASE PLATE DETAIL
SCALE 1:10



PLAN VIEW



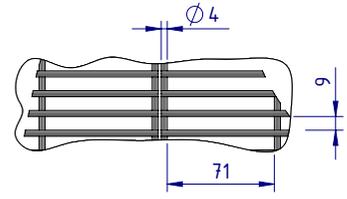
FRONT ELEVATION



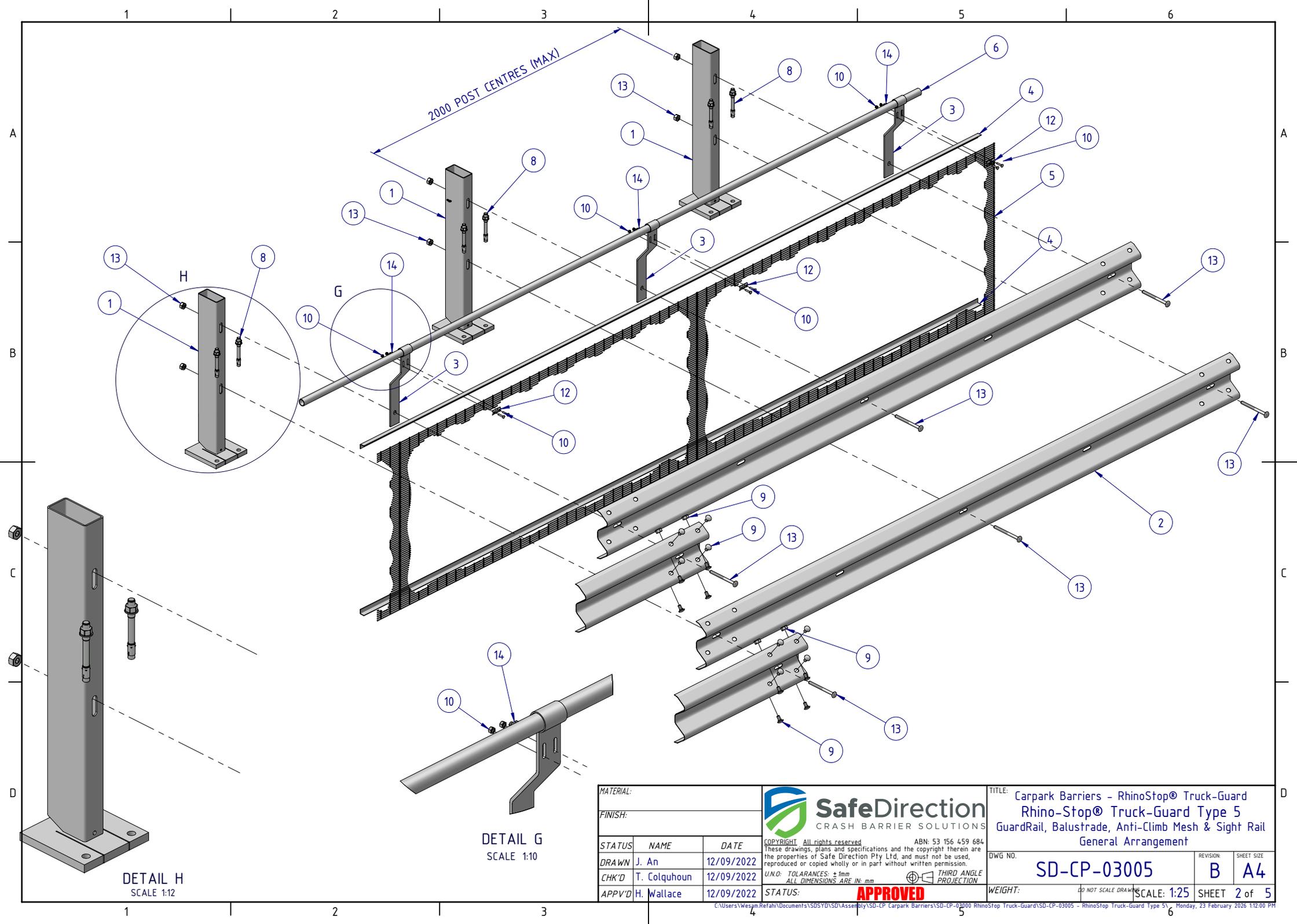
SIDE ELEVATION

BOM			
ITEM NO.	PART NUMBER	DESCRIPTION	Weight 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	GR-EA-30-6000-BG	Mesh Support Angle	6.6
5	GR-MX-MX-2411-AG	Mesh Infill Panel 2400x1100, Ø4 wire, 71x9 aperture	20.1
6	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	4.4
7	GR-FS-12-0035-TG	12g x 35mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	
8	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
9	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.2
10	GR-FS-08-0040-MG	M8x40 Mushroom Head Bolt & Nut Assy Class 4.6 HDG	0.0
11	GR-FS-08-0025-MG	M8x25 Mushroom Head Bolt & Nut Assy CL4.6 HDG	0.0
12	GR-FS-08-0000-AG	M8 Square Hole Mesh Washer	0.0
13	GR-FS-16-0200-MG	M16x200 Mushroom Head POST Bolt & O/S Nut Assy Class 4.6 HDG	0.5
14	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	

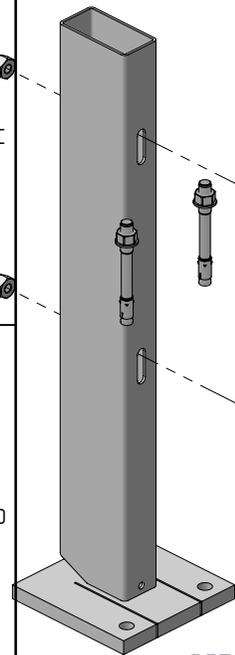
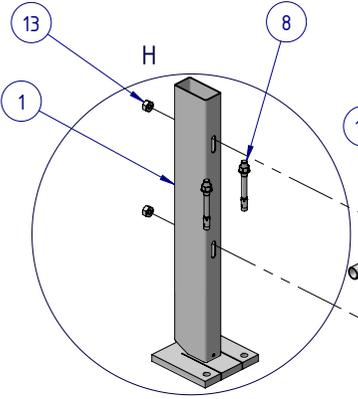
DETAIL B
MESH DETAIL
SCALE 1:5



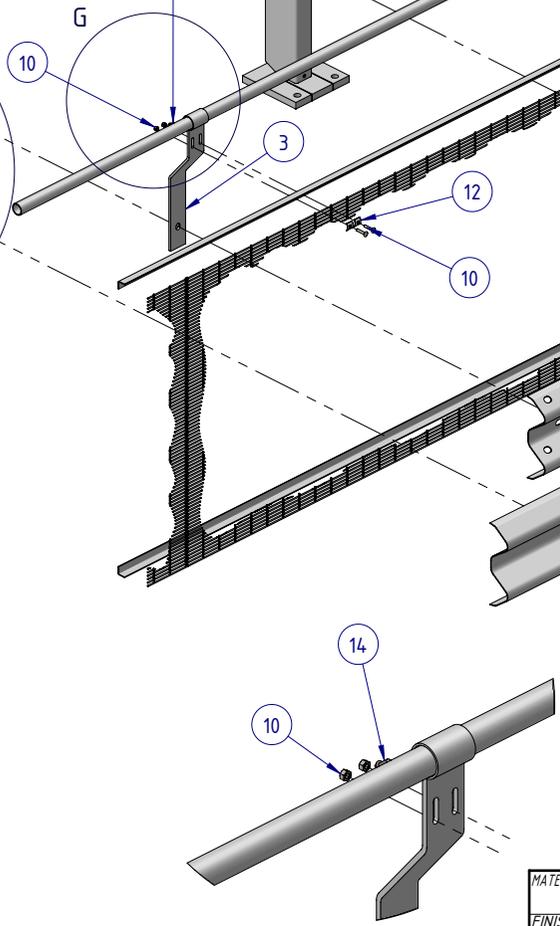
MATERIAL:		 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 5 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
FINISH:			DWG NO. SD-CP-03005	REVISION: B	SHEET SIZE: A4
STATUS	NAME	DATE	COPYRIGHT: All rights reserved. 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	J. An	12/09/2022	U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm		
CHK'D	T. Colquhoun	12/09/2022	THIRD ANGLE PROJECTION		
APPV'D	H. Wallace	12/09/2022	STATUS: APPROVED		
WEIGHT:		DO NOT SCALE DRAWING		SCALE: 1:25	SHEET 1 of 5



2000 POST CENTRES (MAX)



DETAIL H
SCALE 1:12



DETAIL G
SCALE 1:10

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

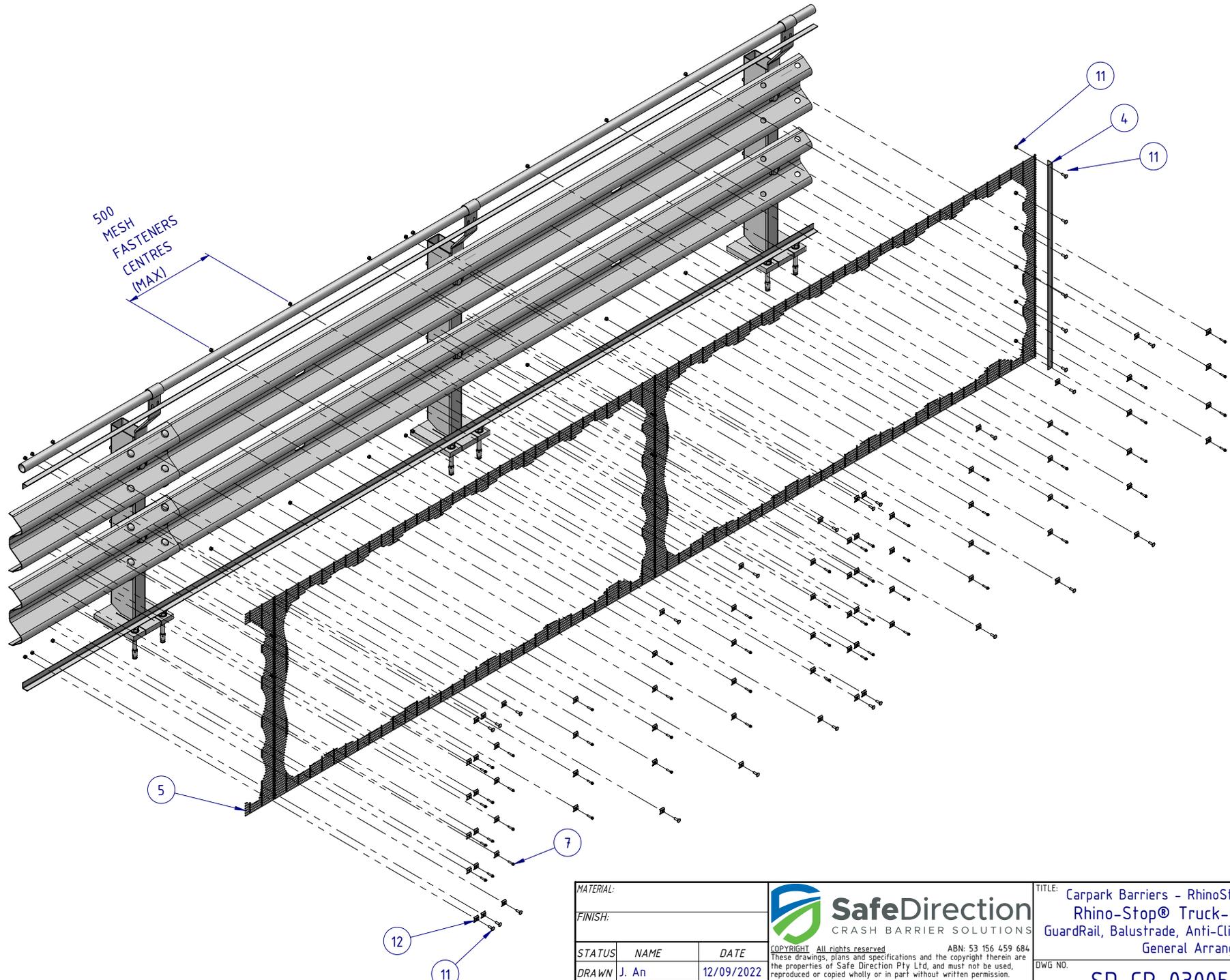
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U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

THIRD ANGLE PROJECTION

APPROVED

TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 5 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	REVISION	SHEET SIZE	
SD-CP-03005	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 2 of 5



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

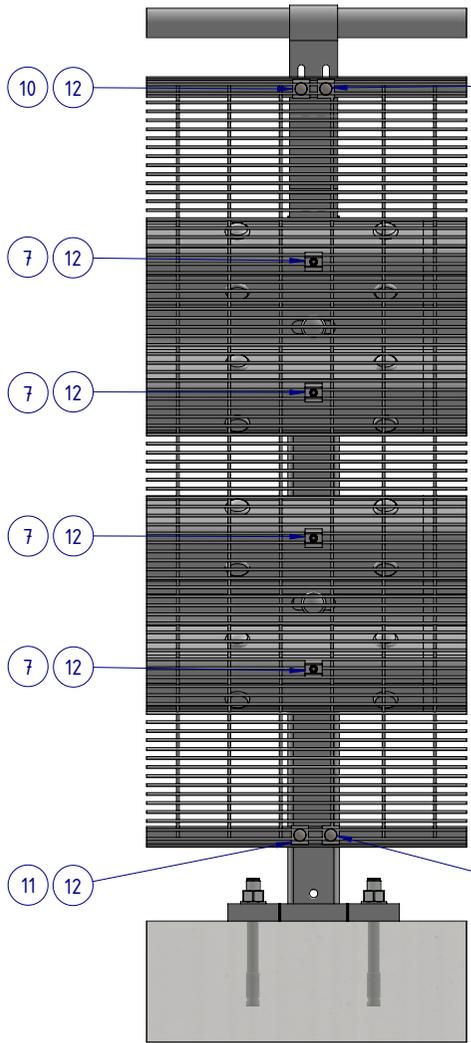
SafeDirection
CRASH BARRIER SOLUTIONS

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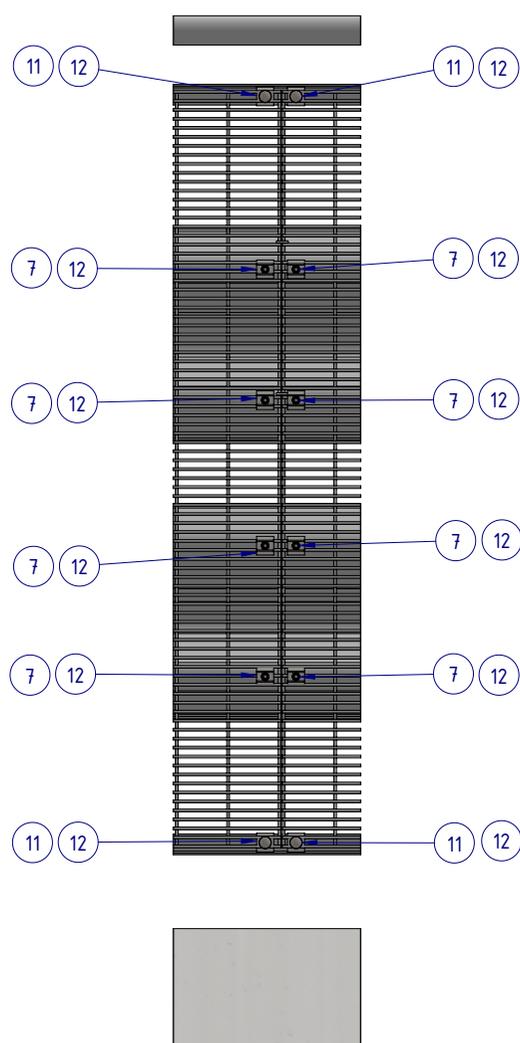
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ALL DIMENSIONS ARE IN: mm

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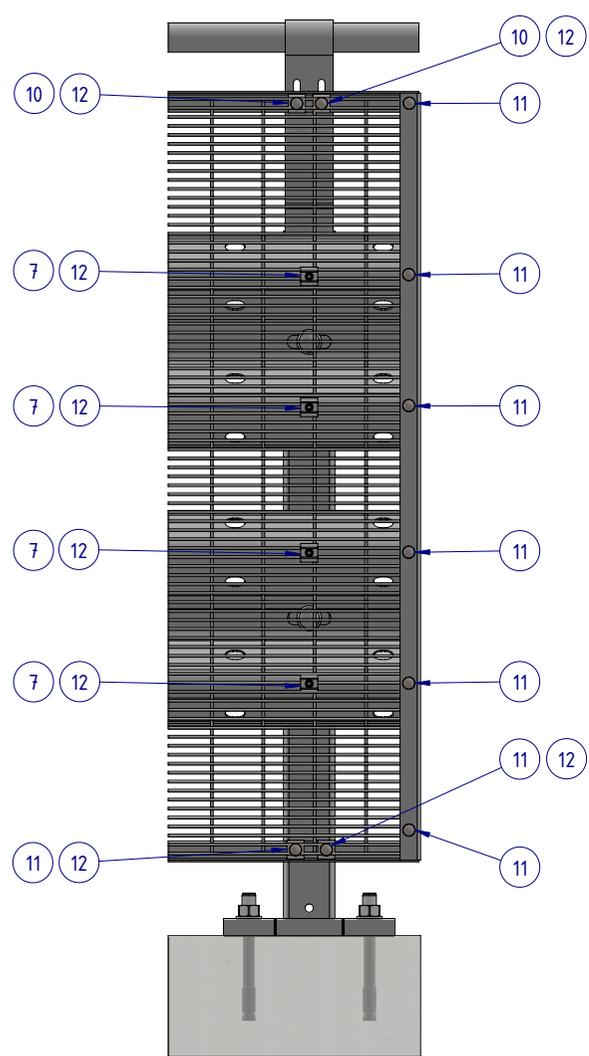
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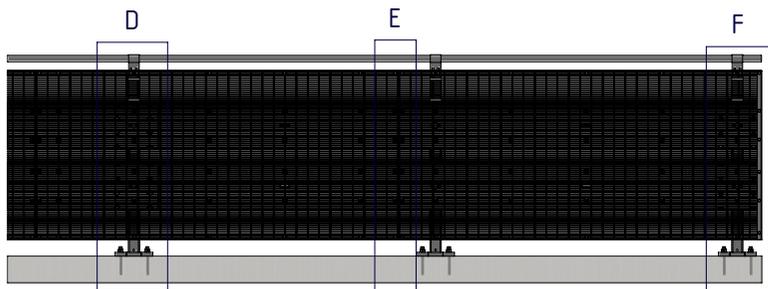
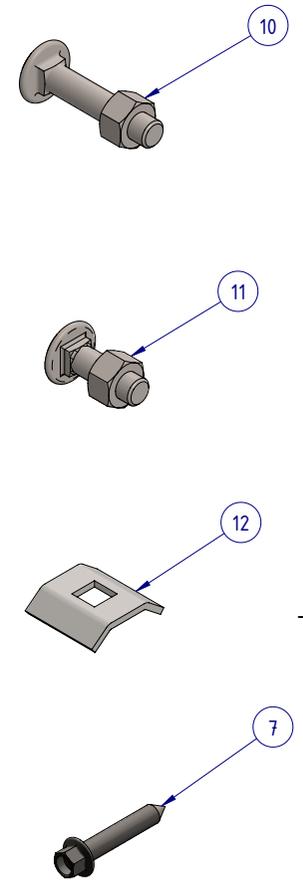
DETAIL D
AT POST CONNECTION



DETAIL E
MESH PANEL CONNECTION



DETAIL F
TERMINATION CONNECTION



MESH PANEL CONNECTION DETAILS

ALL FASTENERS TO BE USED AS SHOWN
ACCORDING TO CONNECTION TYPE

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

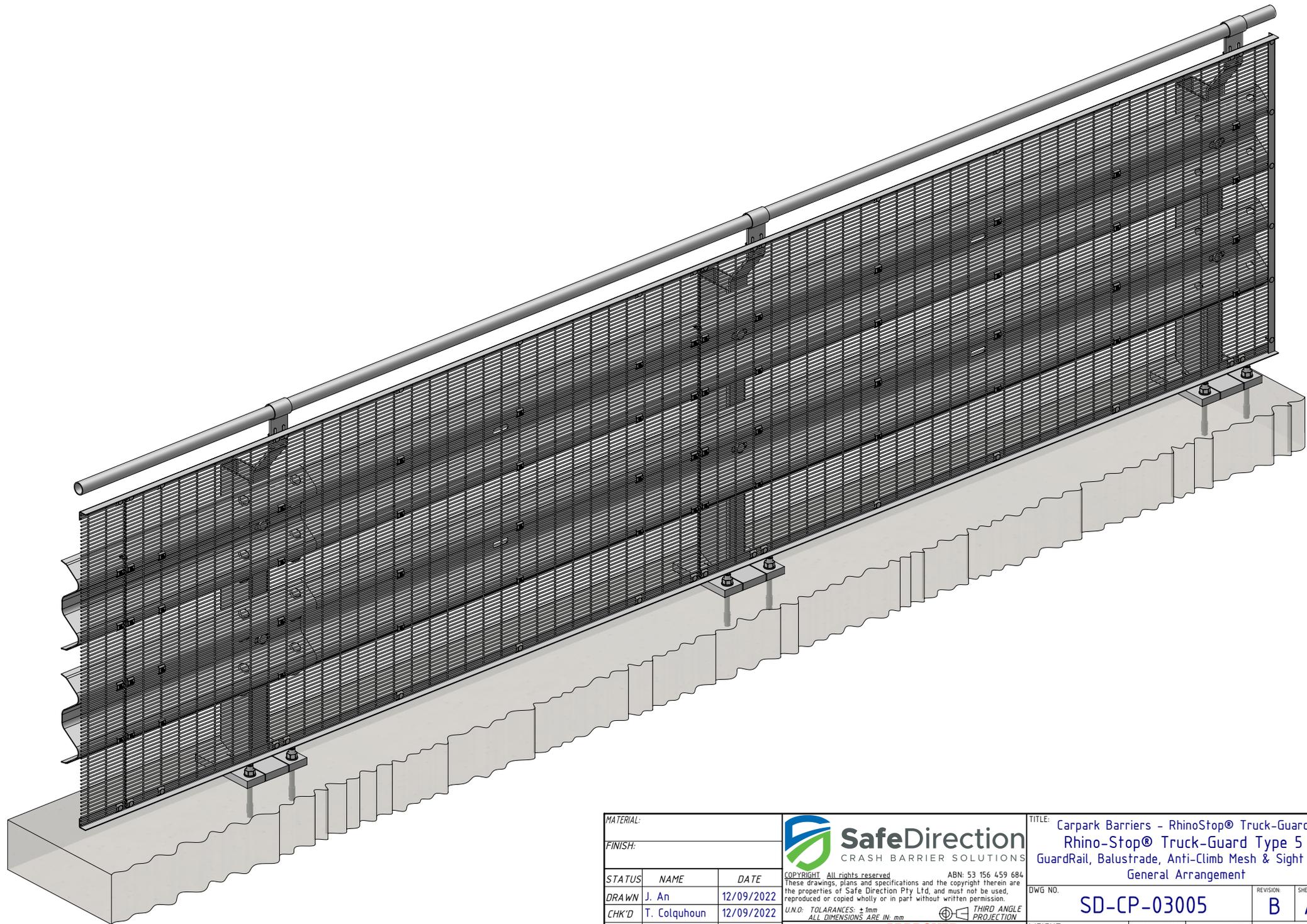
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DWG NO.	REVISION	SHEET SIZE	
SD-CP-03005	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:11	SHEET 4 of 5



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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DWG NO.	REVISION:	SHEET SIZE	
SD-CP-03005	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 5 of 5