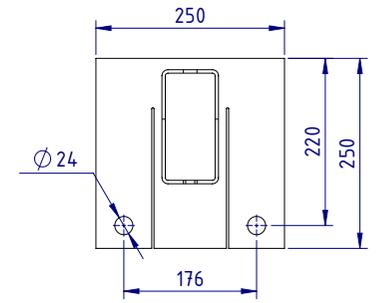


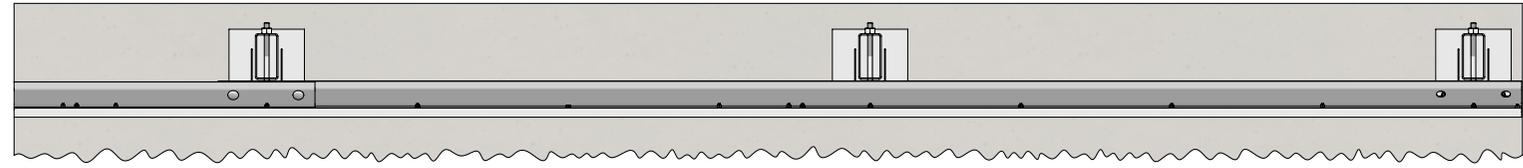
Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	24 km/h	0.5 m	46.2 kJ	4 m double-height w-beam supported by five (5) posts at 1.0 m centres secured to a 150 mm thick concrete slab.
2000 kg	27 km/h	0.5 m	57.4 kJ	6 m double-height w-beam supported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

REV		REVISIONS		
ZONE	DESCRIPTION	DATE	APPV'D	
A	Original Issue, supersedes GR-WB-044	16/09/2022	HW	
B	PERFORMANCE & INSTALLATION REQ. TABLES ADDED	10/11/2025	HW	

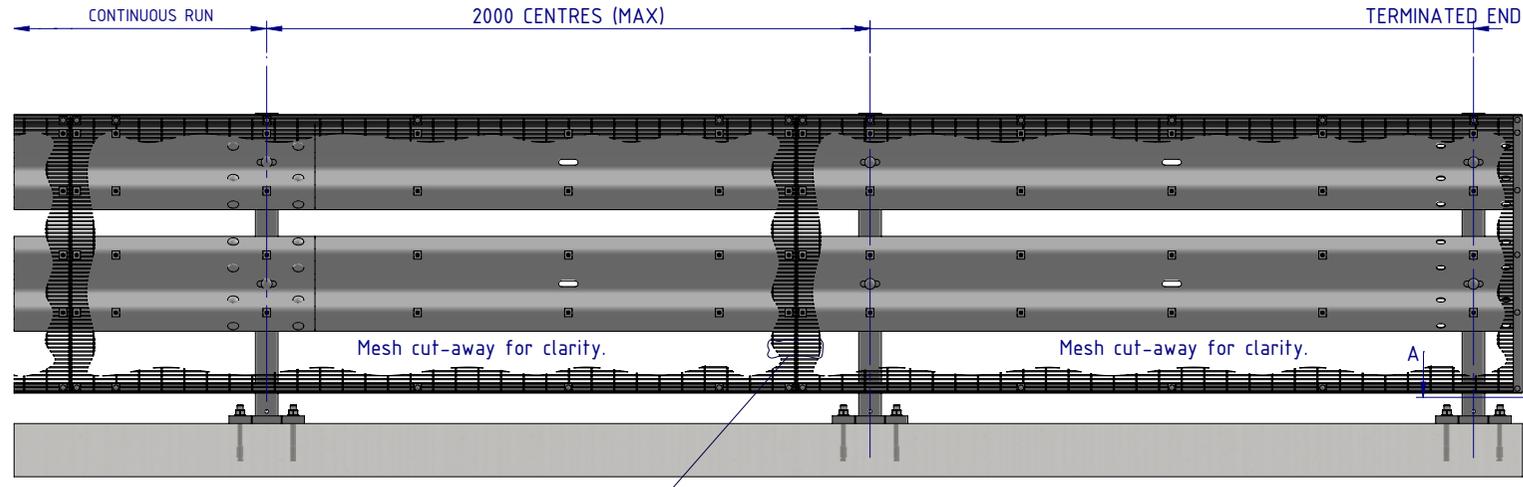
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm



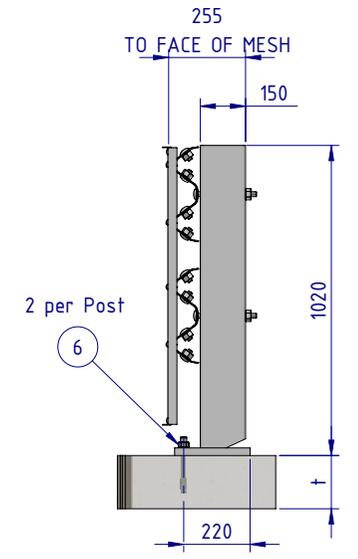
SECTION A-A
BASE PLATE DETAIL
SCALE 1:10



PLAN VIEW

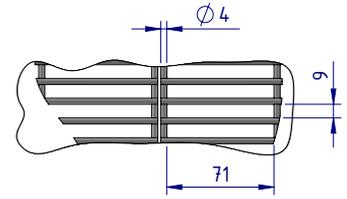


FRONT ELEVATION



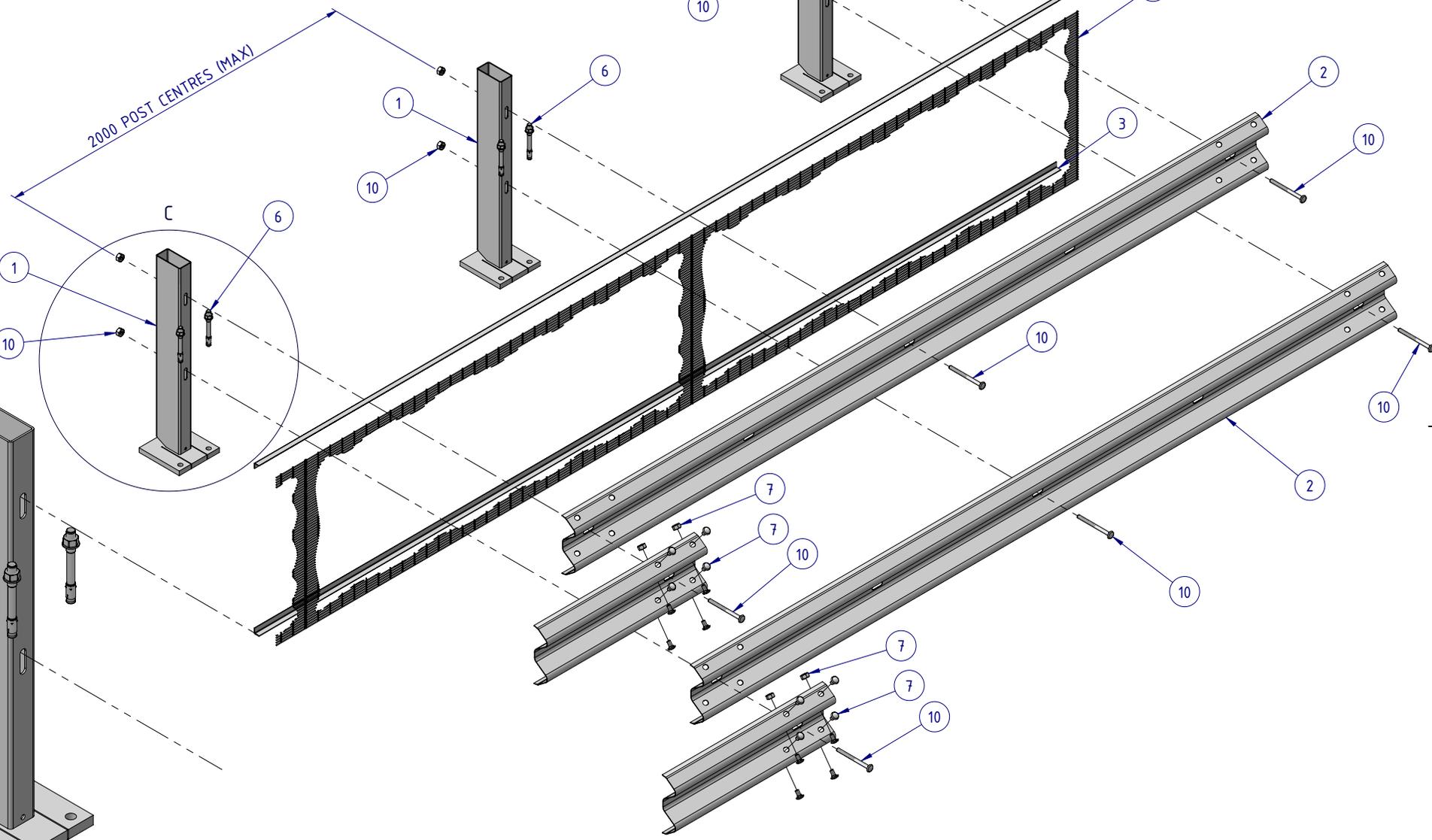
SIDE ELEVATION

DETAIL B
MESH DETAIL
SCALE 1:5



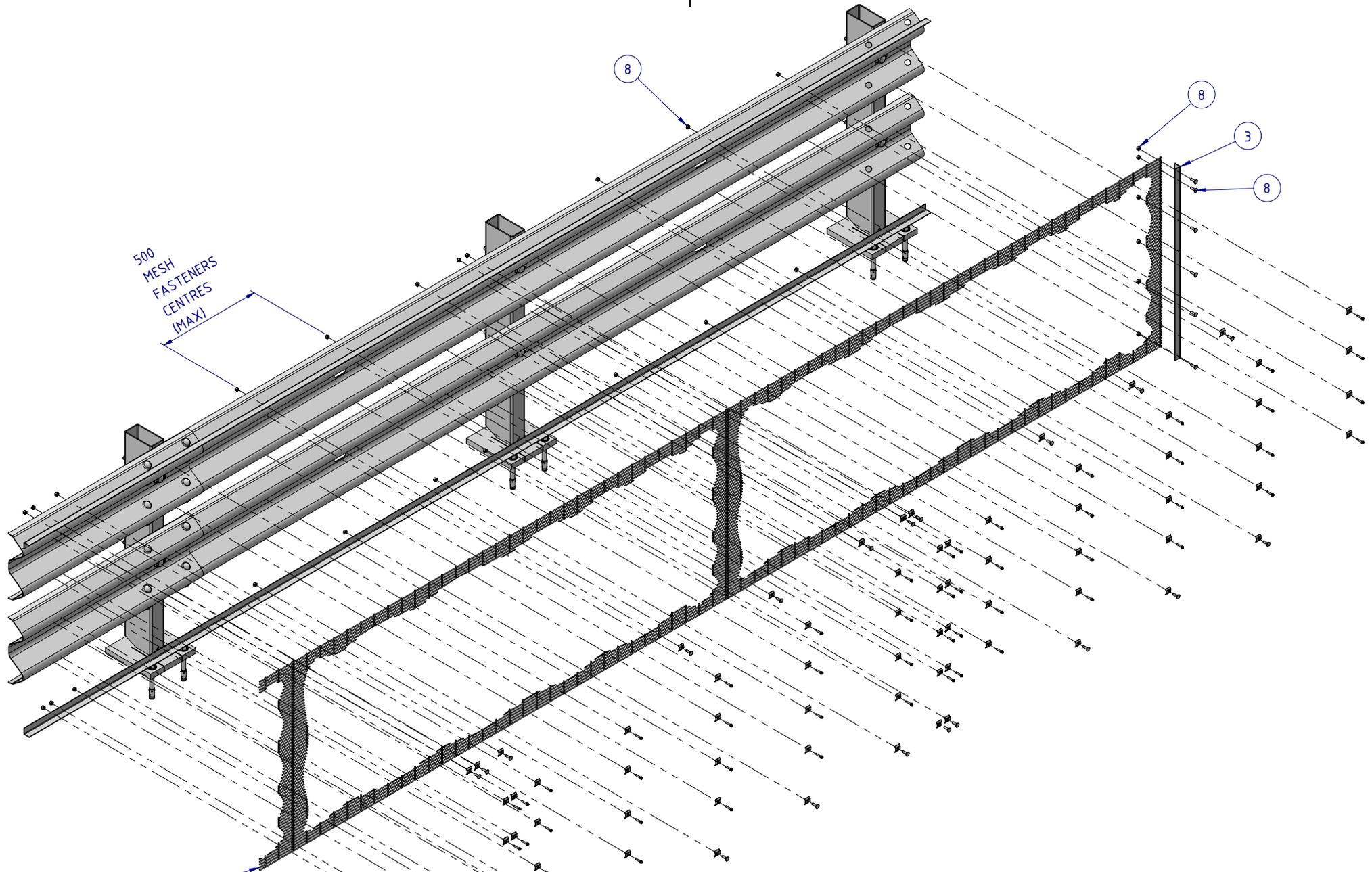
BOM				Weight
ITEM NO.	PART NUMBER	DESCRIPTION		t kg
1	GR-PB-RS-1050-AG	Rhino-Stop® Truck Guard Post		26.4
2	GR-WB-SR-4000-CG	W-Beam Guardrail 4.0M NLL, 1.0M CTRS		43.3
3	GR-EA-30-6000-BG	Mesh Support Angle		6.6
4	GR-MX-MX-2409-AG	Mesh Infill Panel 2400x900, Ø4 wire, 71x9 aparture		20.1
5	GR-FS-12-0035-TG	12g x 35mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating		0.5
6	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm		0.5
7	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8		0.2
8	GR-FS-08-0025-MG	M8x25 Mushroom Head Bolt & Nut Assy CL4.6 HDG		0.0
9	GR-FS-08-0000-AG	M8 Square Hole Mesh Washer		0.0
10	GR-FS-16-0200-MG	M16x200 Mushroom Head POST Bolt & O/S Nut Assy Class 4.6 HDG		0.5

MATERIAL:		 <p>SafeDirection CRASH BARRIER SOLUTIONS</p>	TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
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STATUS	NAME	DATE	<small>DO NOT SCALE DRAWING</small> SCALE: 1:25 SHEET 1 of 5		
DRAWN	J. An	16/09/2022	WEIGHT:		
CHK'D	T. Colquhoun	16/09/2022	<small>THIRD ANGLE PROJECTION</small>		
APPV'D	H. Wallace	16/09/2022	APPROVED		



DETAIL C
SCALE 1:12

MATERIAL:			 <p>SafeDirection CRASH BARRIER SOLUTIONS</p>	TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 4 GuardRail, Balustrade, Anti-Climb Mesh & 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>	DWG NO:	REVISION:	SHEET SIZE:	
STATUS	NAME	DATE	<small>U.N.O. TOLERANCES: ±1mm</small> <small>ALL DIMENSIONS ARE IN: mm</small>	SD-CP-03004			B	A4
DRAWN	J. An	12/09/2022	APPROVED	WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 2 of 5	
CHK'D	T. Colquhoun	12/09/2022		THIRD ANGLE PROJECTION				
APPV'D	H. Wallace	12/09/2022						



500
MESH
FASTENERS
CENTRES
(MAX)

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

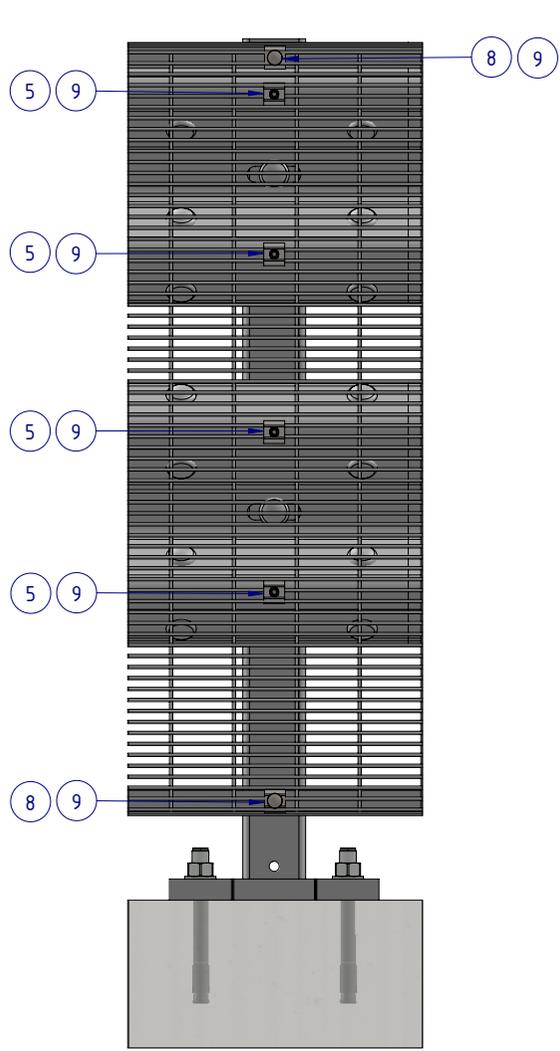
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U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

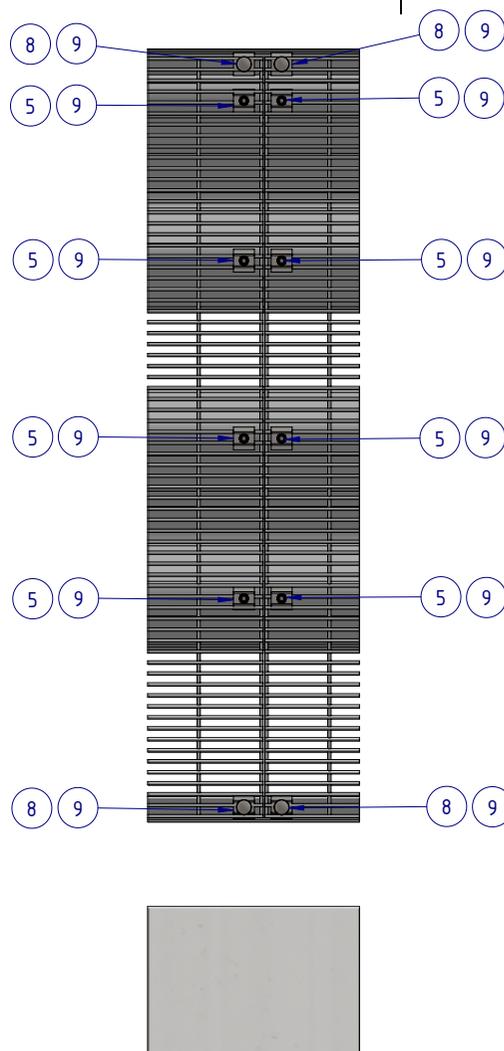
THIRD ANGLE PROJECTION

APPROVED

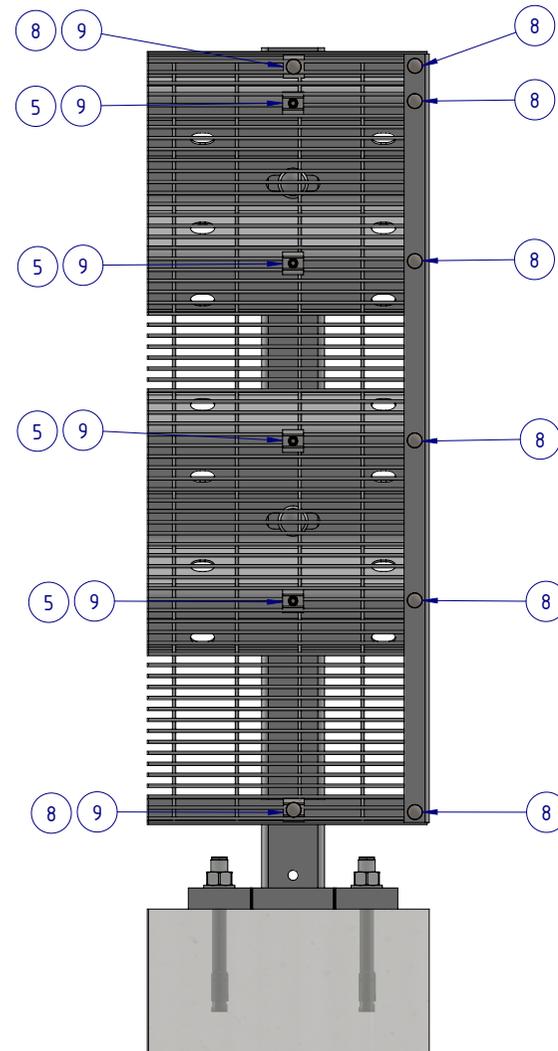
TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-03004	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:20	SHEET 3 of 5



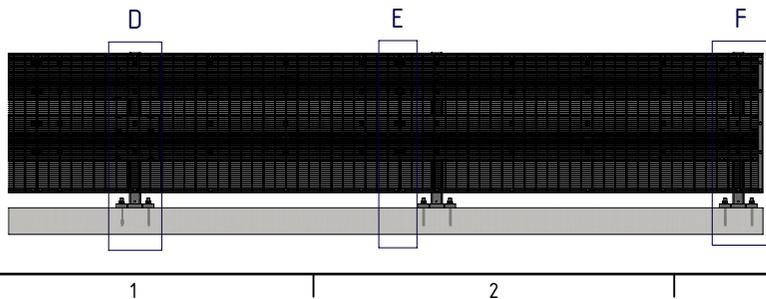
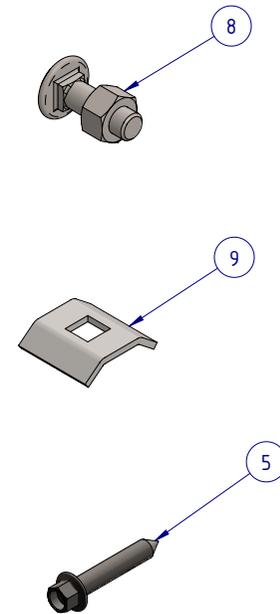
DETAIL D
AT POST CONNECTION



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

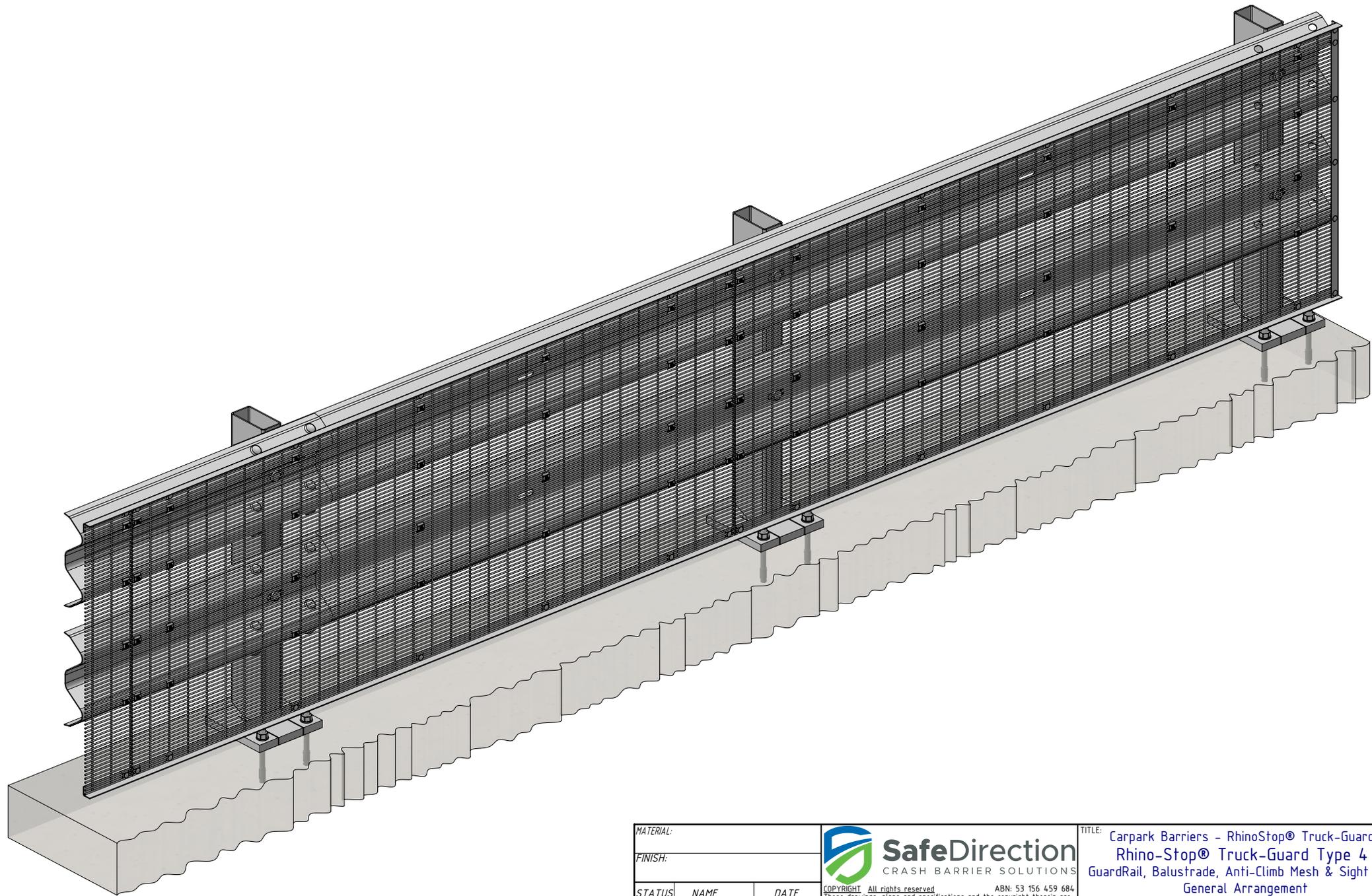
SafeDirection
CRASH BARRIER SOLUTIONS

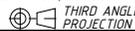
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U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

APPROVED

TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	REVISION	SHEET SIZE	
SD-CP-03004	B	A4	
WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:11	SHEET 4 of 5



MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Truck-Guard Rhino-Stop® Truck-Guard Type 4 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
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STATUS	NAME	DATE	<small>U.N.O: TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm</small>  THIRD ANGLE PROJECTION	SD-CP-03004	B	A4	
DRAWN	J. An	12/09/2022					
CHK'D	T. Colquhoun	12/09/2022		WEIGHT:	DO NOT SCALE DRAWING	SCALE: 1:15	SHEET 5 of 5
APPV'D	H. Wallace	12/09/2022		STATUS: APPROVED			