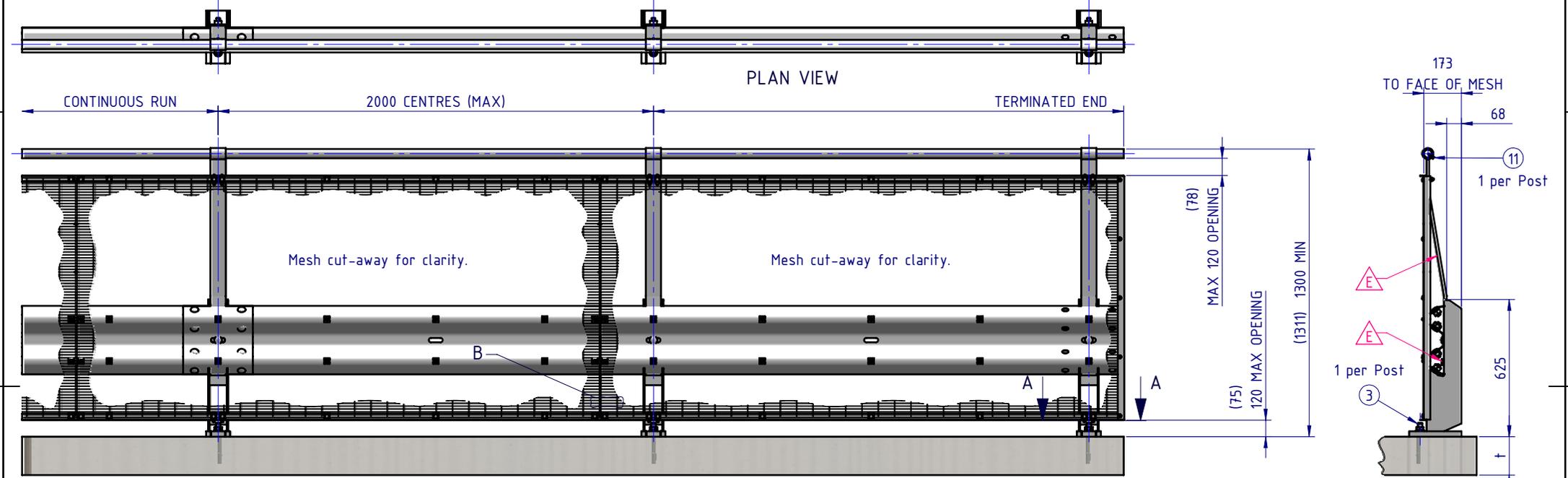


Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
1500 kg	15 km/h	0.5 m	12.9 kJ	4 m w-beam supported by three (3) posts at 2.0 m centres positioned on the outside edge of a 150 mm elevated concrete slab.
2000 kg	13 km/h	0.5 m	13.0 kJ	4 m w-beam supported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

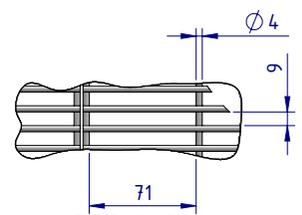
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	1 off	150 mm

C		NEW HANDRAIL EXTENSION ADDED	18/07/2017	TC
E	B6	Updated GR-MX-MX-1010-AG_F, M16x45 B/N ASSY was M16x35	16/11/2021	HW
F		Updated Mesh Panel fasteners to Guardrail at Post	19/04/2022	HW
G		Revision updated	09/02/2023	HW
H		PERFORMANCE & INSTALLATION REQ. TABLES ADDED	27/10/2025	HW

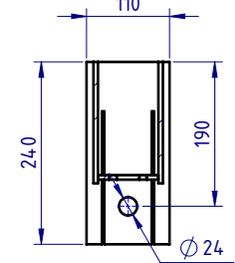


BOM			
ITEM NO.	PART NUMBER	Description	Weight kg
1	GR-PB-IS-0625-CG	Rhino-Stop® Post	12.3
2	GR-MX-MX-1010-AG	Handrail Extension Type 6	6.6
3	GR-FS-20-0187-HG	FISCHER FBN II, M20x187mm	0.5
4	GR-WB-SR-4000-CG	W-Beam Guardrail 4.0M NLL, 1.0M CTRS	43.3
5	GR-EA-30-6000-BG	Mesh Support Angle	6.6
6	HR-PI-32-6500-AG	Handrail / Sight Rail Pipe 32NB	20.1
7	GR-MX-MX-2411-AG	Mesh Infill Panel 2400x1100, Ø4 wire, 71x9 aperture	4.4
8	GR-FS-16-0045-HG	M16x45 Hex Head Bolt & Nut Assy	0.0
9	GR-FS-16-0032-MG	M16x32 Mushroom Head SPLICE Bolt & Oversize Nut Assy CL8.8	0.2
10	GR-FS-16-0050-MG	M16x50 Mushroom Head POST Bolt & Oversize Nut Assy Class 4.6	0.2
11	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	0.0
12	GR-FS-08-0040-MG	M8x40 Mushroom Head Bolt & Nut Assy Class 4.6 HDG	0.0
13	GR-FS-08-0025-MG	M8x25 Mushroom Head Bolt & Nut Assy CL4.6 HDG	0.0
14	GR-FS-08-0000-AG	M8 Square Hole Mesh Washer	0.0
15	GR-FS-12-0035-TG	12g x 35mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	0.0
16	GR-EA-30-6000-BG	Mesh Support Angle	1.2
17	GE-FS-08-0025-HG	M8x25 Hex Head Screw Class 8.8 B Coating	
18	GE-FS-08-0000-HG	M8 Hex Nut Class5 B-Coating	

FRONT ELEVATION

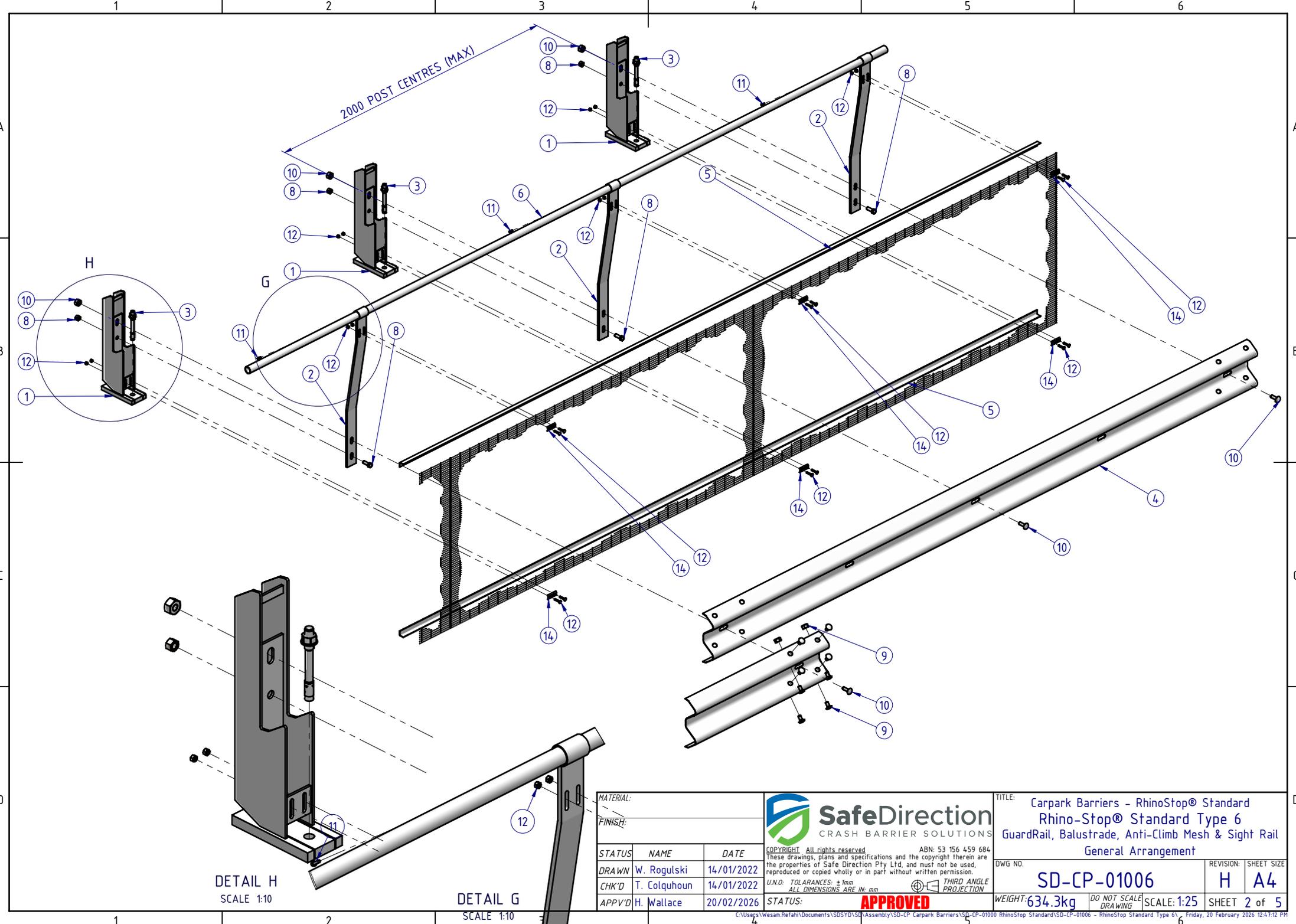


DETAIL B MESH DETAIL SCALE 1:5

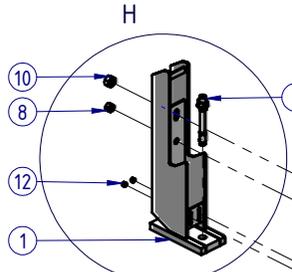


SECTION A-A BASE PLATE DETAIL SCALE 1:10

MATERIAL:		SafeDirection CRASH BARRIER SOLUTIONS	TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 6 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
FINISH:			DWG NO: SD-CP-01006	REVISION: H	SHEET SIZE: A4
STATUS	NAME	DATE	DWG NO: SD-CP-01006 REVISION: H SHEET SIZE: A4		
DRAWN	W. Rogulski	14/01/2022	WEIGHT: 634.3kg		
CHK'D	T. Colquhoun	14/01/2022	SCALE: 1:25		
APPV'D	H. Wallace	20/02/2026	SHEET 1 of 5		
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APPROVED					

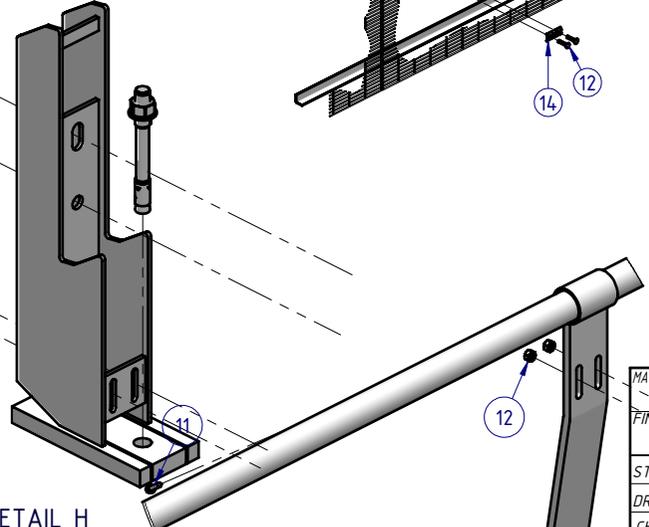


2000 POST CENTRES (MAX)



DETAIL H
SCALE 1:10

G



DETAIL G
SCALE 1:10

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

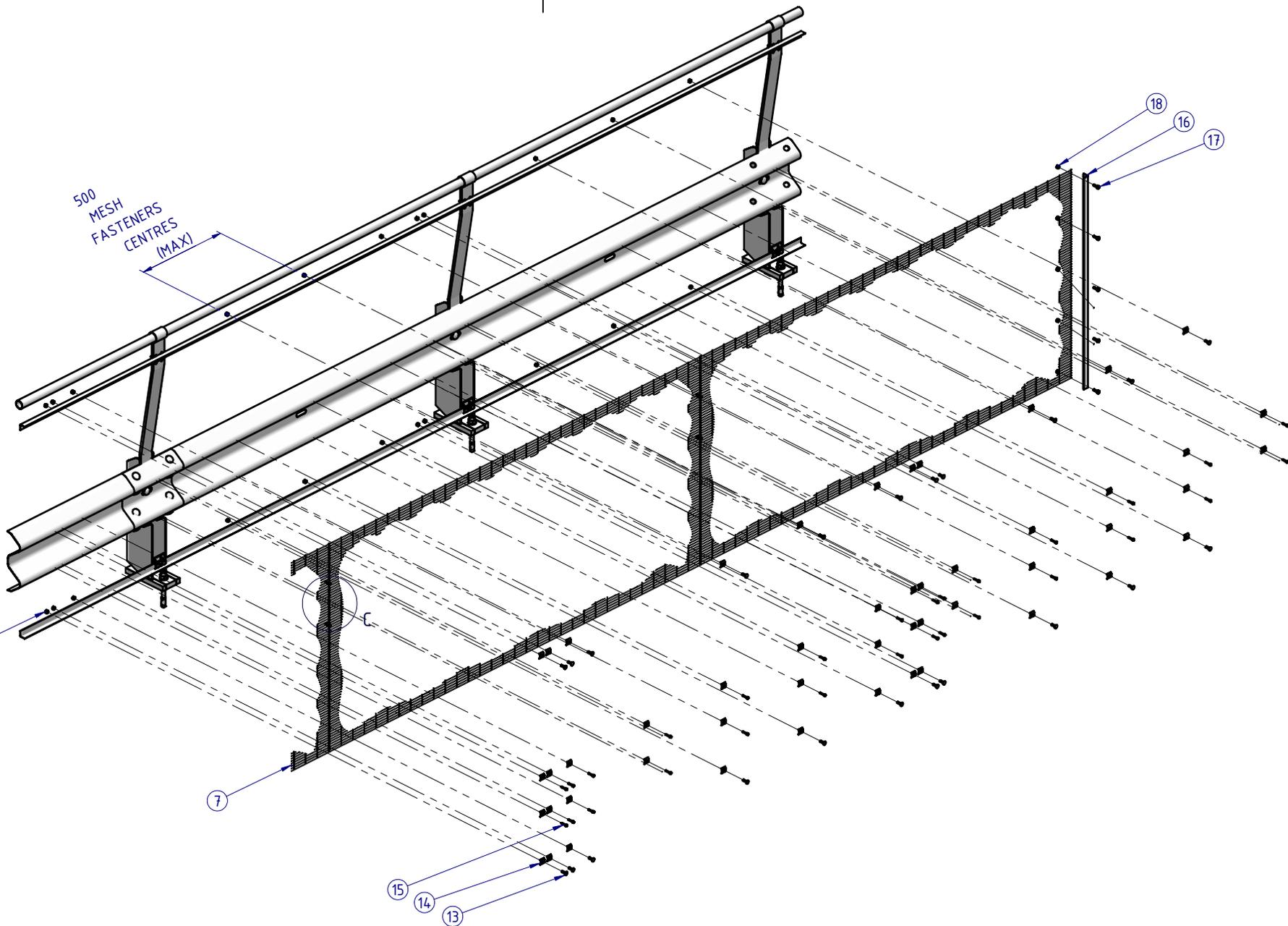
SafeDirection
CRASH BARRIER SOLUTIONS

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

APPROVED

TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 6 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
DWG NO.	REVISION:	SHEET SIZE
SD-CP-01006	H	A4
WEIGHT: 634.3kg	DO NOT SCALE DRAWING	SCALE: 1:25
		SHEET 2 of 5



500
MESH
FASTENERS
CENTRES
(MAX)

13

7

15

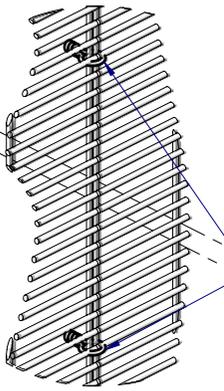
14

13

18

16

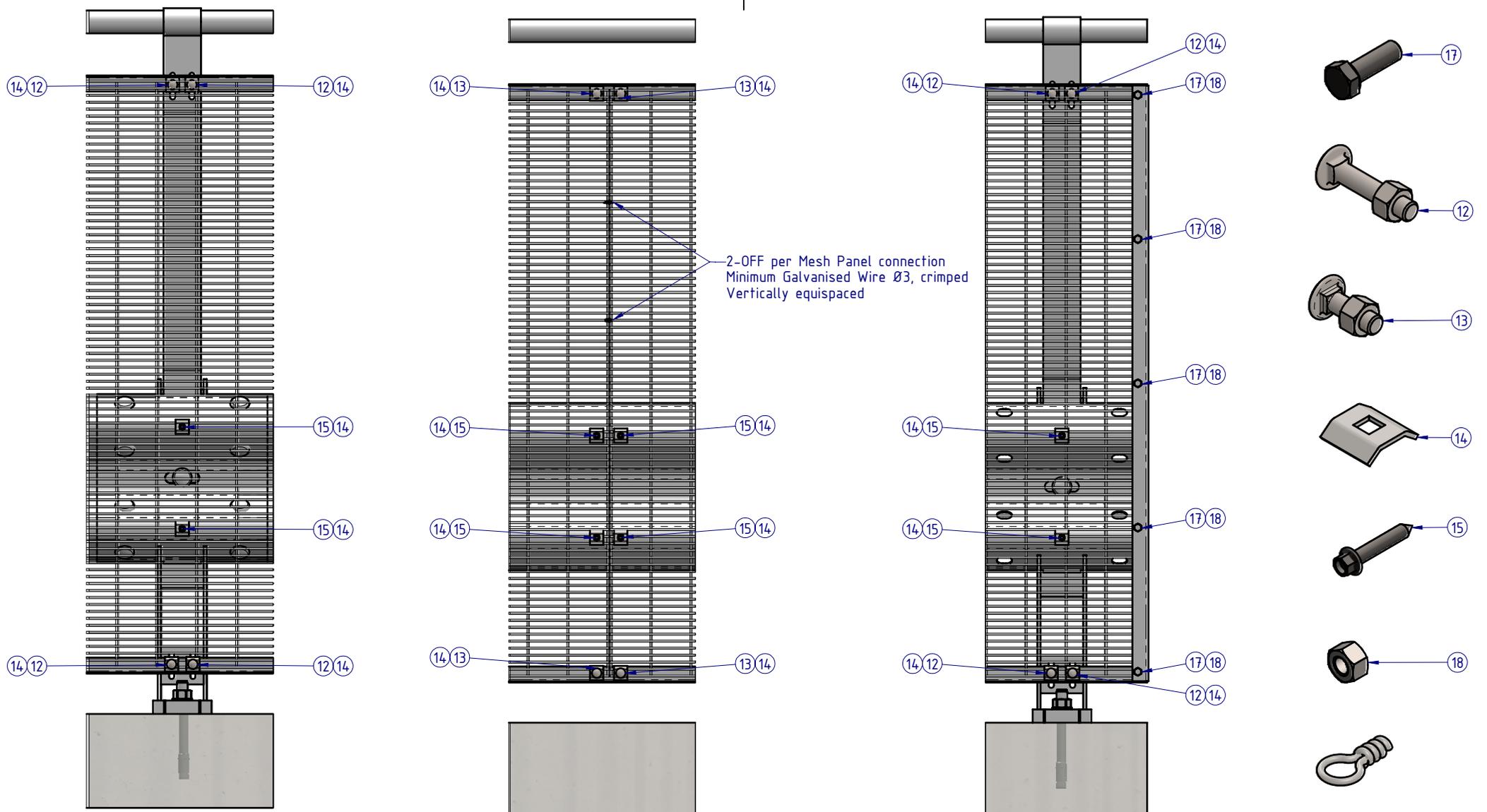
17



DETAIL C
SCALE 1:5

2-OFF to be installed at every Mesh Panel connection
Minimum Galvanised Wire Ø3, crimped
Vertically equispaced

MATERIAL:			 SafeDirection CRASH BARRIER SOLUTIONS		TITLE: Carpark Barriers - RhinoStop® Standard Rhino-Stop® Standard Type 6 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement						
FINISH:					DWG NO. SD-CP-01006	REVISION: H	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: 634.3kg		DO NOT SCALE DRAWING	SCALE: 1:25	SHEET 3 of 5	
DRAWN	W. Rogulski	14/01/2022									
CHK'D	T. Colquhoun	14/01/2022									
APPV'D	H. Wallace	20/02/2026									
STATUS: APPROVED											



2-OFF per Mesh Panel connection
Minimum Galvanised Wire Ø3, crimped
Vertically equispaced

- 17
- 12
- 13
- 14
- 15
- 18

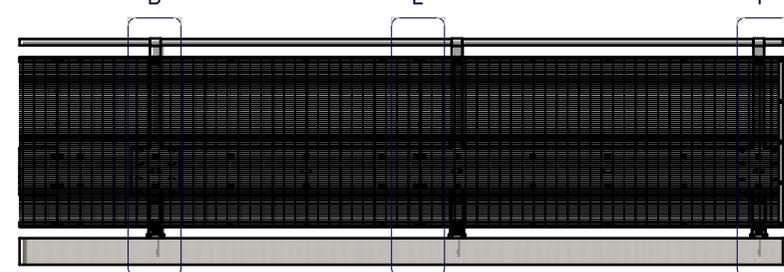
DETAIL D
AT POST CONNECTION

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	W. Rogulski	14/01/2022
CHK'D	T. Colquhoun	14/01/2022
APPV'D	H. Wallace	20/02/2026

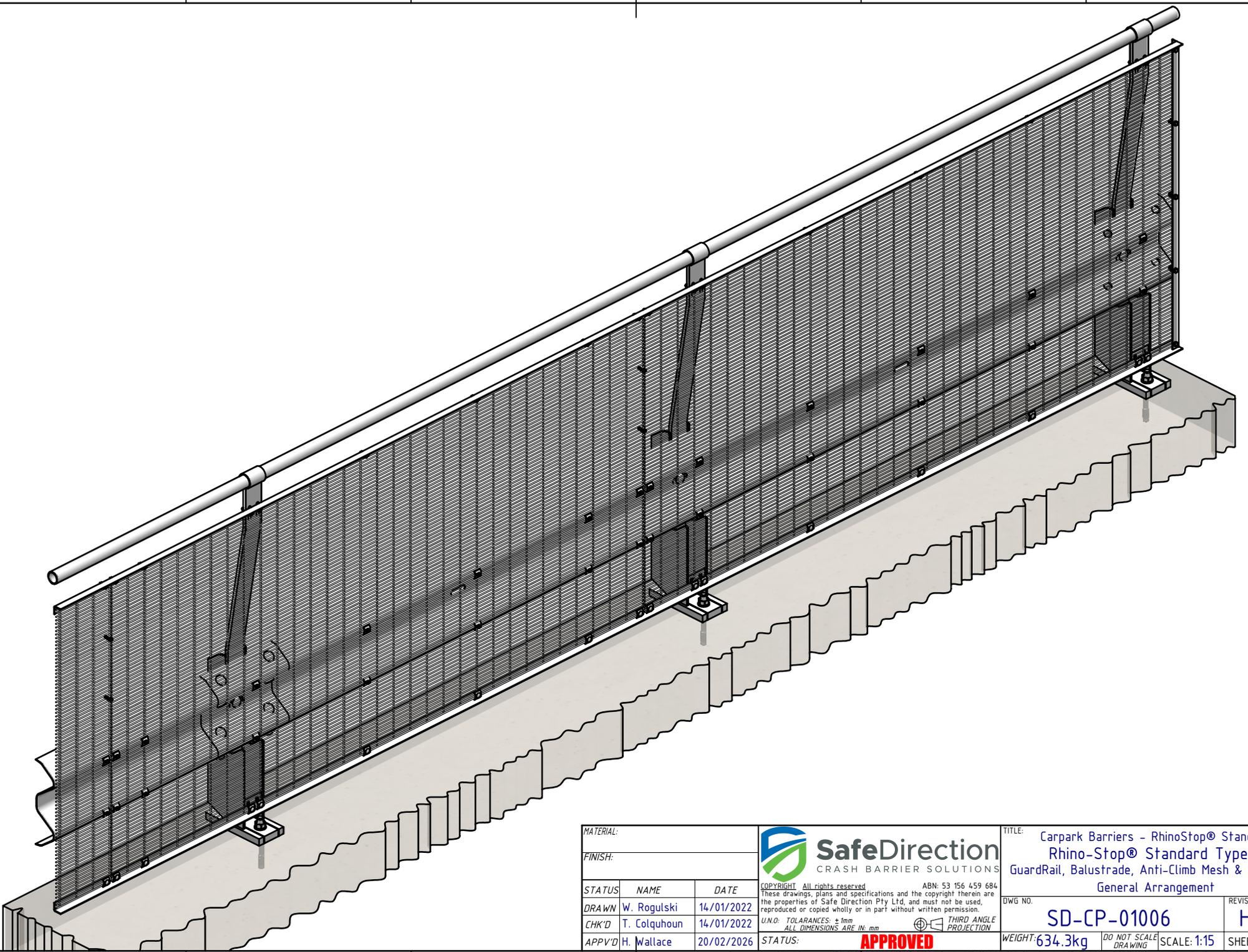
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U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

APPROVED

TITLE: RhinoStop® Standard GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement		
DWG NO. SD-CP-01006	REVISION: H	SHEET SIZE: A4
WEIGHT: 634.3kg	SCALE: 1:10	SHEET 4 of 5



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 6 GuardRail, Balustrade, Anti-Climb Mesh & Sight Rail General Arrangement			
DWG NO.	SD-CP-01006	REVISION:	SHEET SIZE
WEIGHT: 634.3kg	DO NOT SCALE DRAWING	SCALE: 1:15	H A4
STATUS: APPROVED		SHEET 5 of 5	