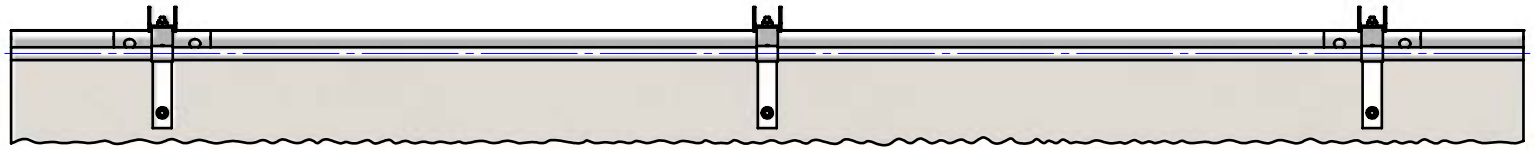
Rhino-Stop has been assessed to exceed the 30kN impact load as described in AS/NZS 1170.1 clause 3.8 a) i) for Light Traffic Areas, based on:

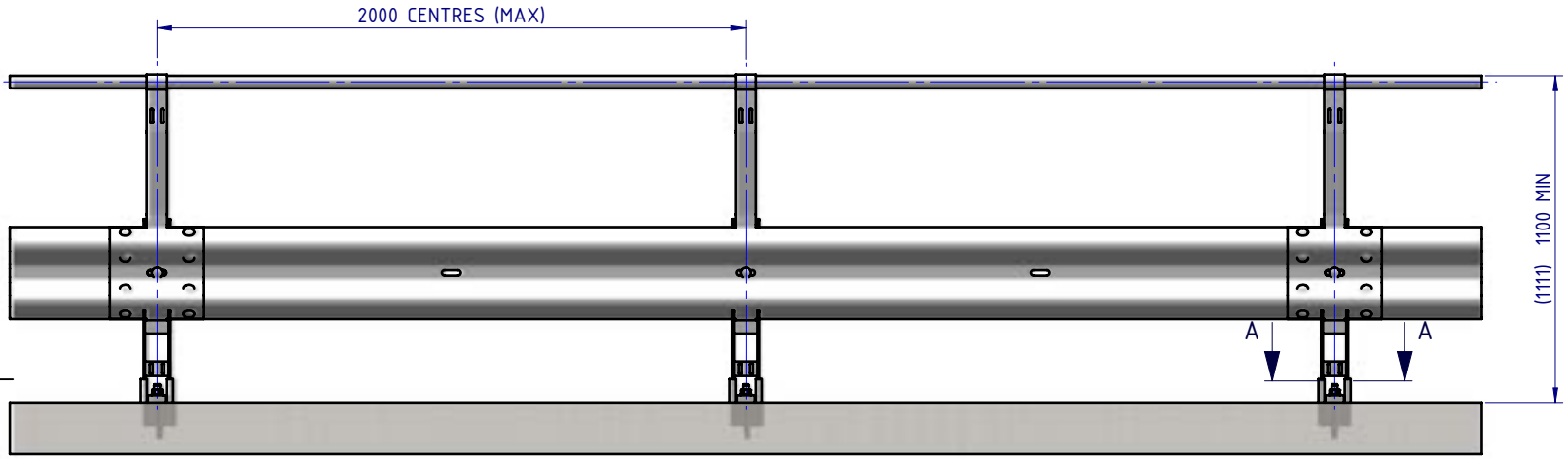
- Post spacing at Maximum 2 mtrs Centres
- Minimum 3 Post Assembly per Installation

REVISIONS

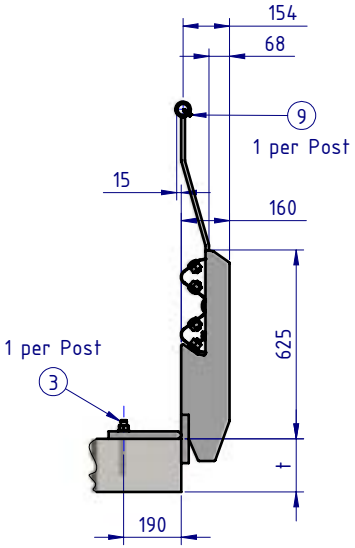
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue, supersedes GR-WB-032	04/05/2022	HW



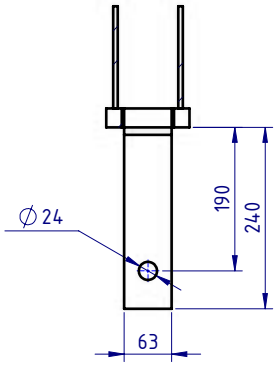
PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION



SECTION A-A
BASE PLATE DETAIL
SCALE 1:10

Post Anchor Bolt Installation Details		
Slab Thickness (t)	≤ 170mm	> 170mm
Anchor Bolt Part #	GR-FS-20-0160-HG	GR-FS-20-0187-HG
Anchor Bolt Type	Fischer FBN II Mechanical	Fischer FBN II Mechanical
Min. Embedment Depth	100mm	130mm
Drill Type	Masonary Bit	Masonary Bit
Drill diameter	Ø20mm	Ø20mm
Drill Depth	105mm	135mm
Minimum Torque	200Nm	200Nm

BOM

ITEM NO.	PART NUMBER	DESCRIPTION	Weight kg
1	GR-PB-IS-0700-AG	Rhino-Stop® Sky Edge Post	13.7
2	GR-MX-MX-0800-AG	Handrail Extension Type 4	5.3
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 SPLICE Hex Bolt & Oversize Nut Assy	0.2
8	GR-FS-16-0050-MG	M16x50 POST Hex Bolt & Nut Assy	0.2
9	GR-FS-14-0025-TG	14g x 25mm Hex Head Screw Self Tapping, 10 tpi, Class5, B8 Coating	

MATERIAL: AS NOTED ON DRAWING
FINISH:

STATUS	NAME	DATE
DRAWN	W. Rogulski	21/04/2022
CHK'D	T. Colquhoun	4/05/2022
APPV'D	H. Wallace	04/05/2022

SafeDirection
CRASH BARRIER SOLUTIONS

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ABN: 53 156 459 684

U.N.O: TOLARANCES: ± 1mm ALL DIMENSIONS ARE IN: mm
THIRD ANGLE PROJECTION

STATUS: APPROVED

TITLE:
Carpark Barriers - RhinoStop® Sky-Edge
Rhino-Stop® Sky-Edge Type 3
GuardRail & Nearside Balustrade
General Arrangement

DWG NO.	REVISION:	SHEET SIZE
SD-CP-02003	A	A4

WEIGHT: 384.4kg | DO NOT SCALE DRAWING | SCALE: 1:25 | SHEET 1 of 3

C:\SDSYD\SD\Assembly\SD-CP Carpark Barriers\SD-CP-02000 RhinoStop Sky-Edge\SD-CP-02003 - RhinoStop Sky-Edge Type 3 Wednesday, 4 May 2022 1:42:09 PM

Rhino-Stop has been assessed to exceed the 30kN impact load as described in AS/NZS 1170.1 clause 3.8 a) i) for Light Traffic Areas, based on:

- Post spacing at Maximum 2 mtrs Centres
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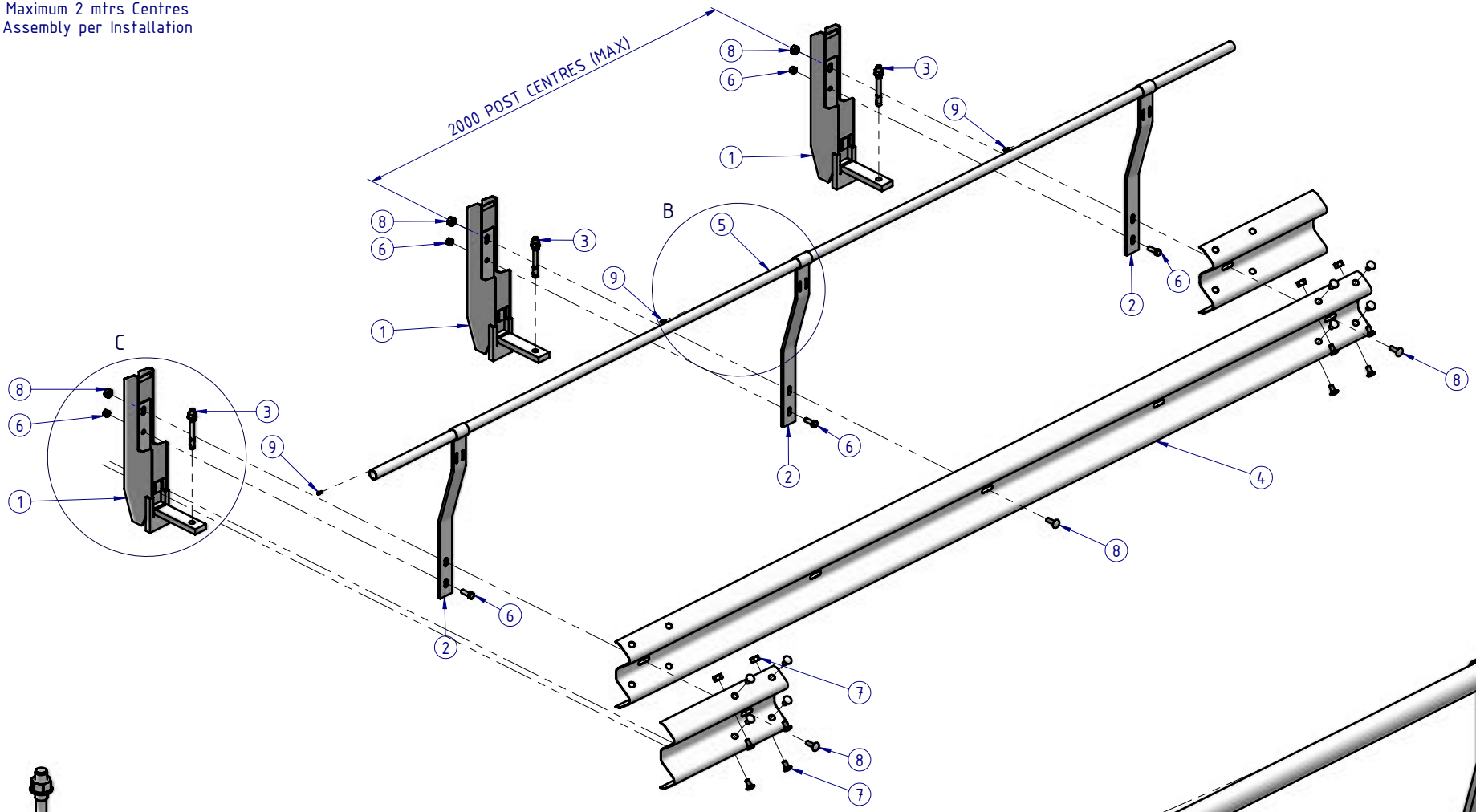
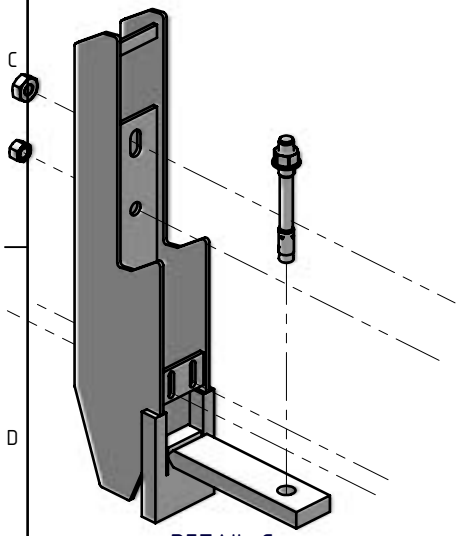
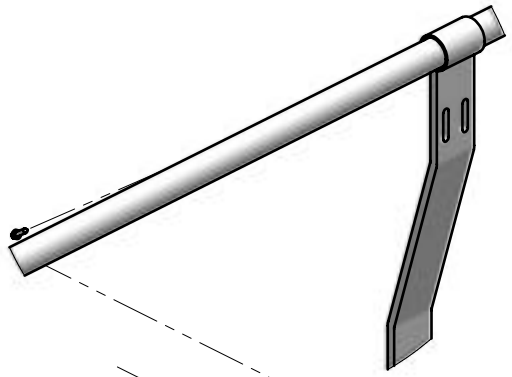




DETAIL C
SCALE 1:10



DETAIL B
SCALE 1:10

MATERIAL: AS NOTED ON DRAWING		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	21/04/2022
CHK'D	T. Colquhoun	4/05/2022
APPV'D	H. Wallace	04/05/2022

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ABN: 53 156 459 684

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

THIRD ANGLE PROJECTION

STATUS: APPROVED

TITLE:
Carpark Barriers - RhinoStop® Sky-Edge
Rhino-Stop® Sky-Edge Type 3
GuardRail & Nearside Balustrade
General Arrangement

DWG NO.	REVISION:	SHEET SIZE
SD-CP-02003	A	A4

WEIGHT: 384.4kg | DO NOT SCALE DRAWING | SCALE: 1:25 | SHEET 2 of 3

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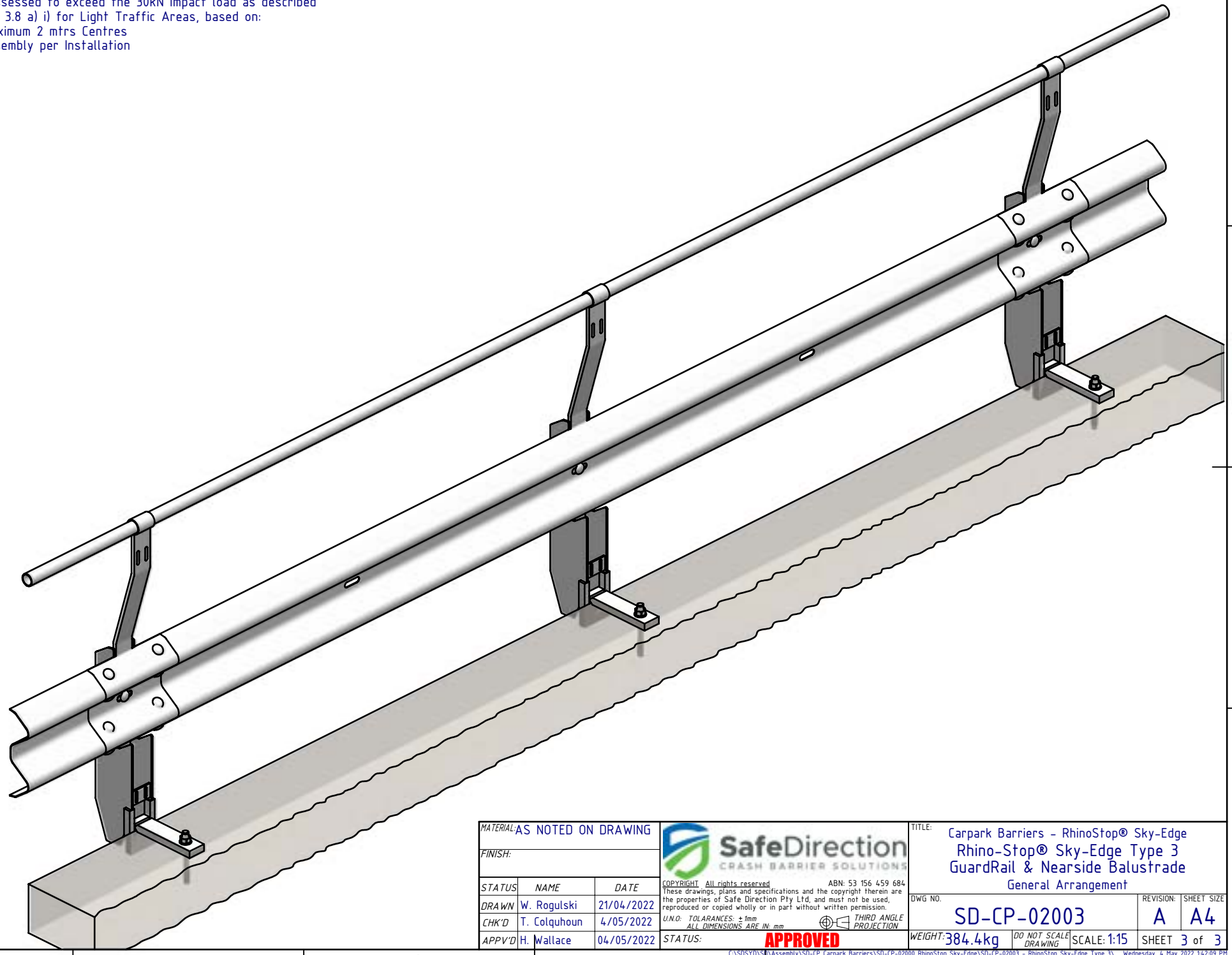

MATERIAL:	AS NOTED ON DRAWING	
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	21/04/2022
CHK'D	T. Colquhoun	4/05/2022
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Rhino-Stop® Sky-Edge Type 3
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General Arrangement

DWG NO.	REVISION:	SHEET SIZE
SD-CP-02003	A	A4

WEIGHT: 384.4kg | DO NOT SCALE DRAWING | SCALE: 1:15 | SHEET 3 of 3

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