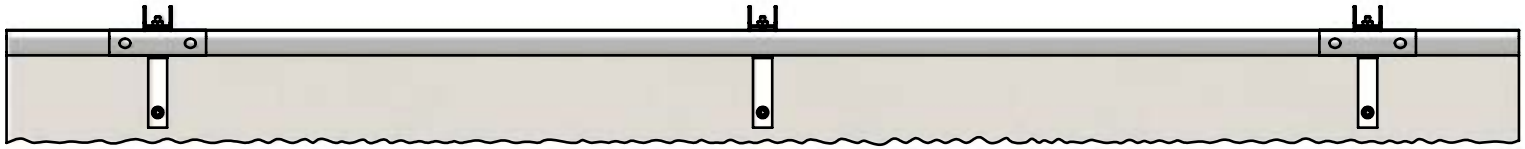
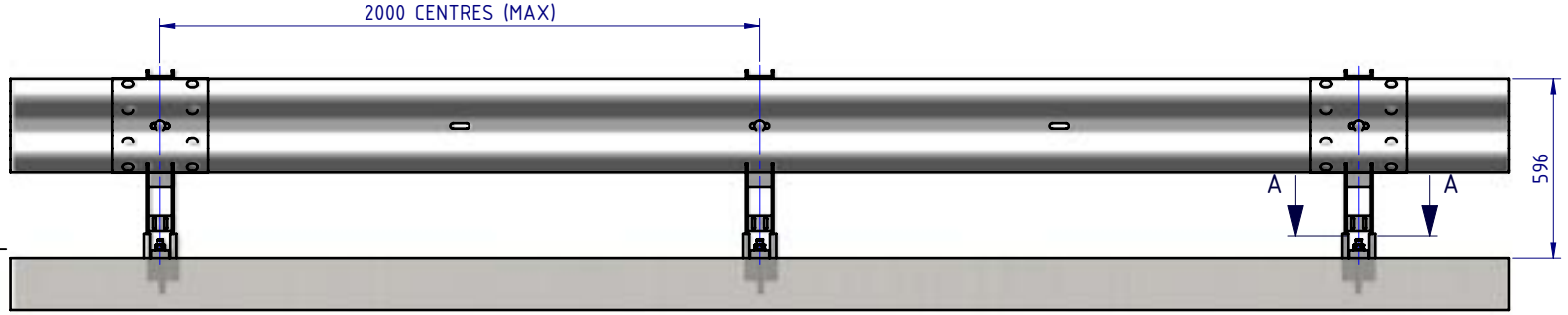
Rhino-Stop has been assessed to exceed the 30kN impact load as described in AS/NZS 1170.1 clause 3.8 a) i) for Light Traffic Areas, based on:

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

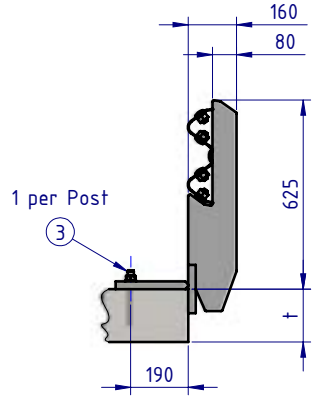
REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPV'D
A		Original Issue, supersedes GR-WB-030	04/05/2022	HW



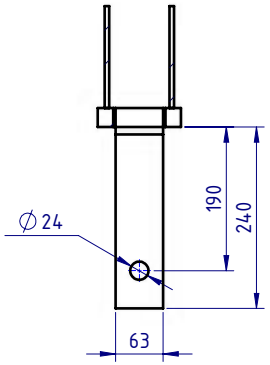
PLAN VIEW



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-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 SPLICE Hex Bolt & Oversize Nut Assy	0.2
5	GR-FS-16-0050-MG	M16x50 POST Hex Bolt & Nut Assy	0.2

MATERIAL:
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 1 GuardRail
General Arrangement

DWG NO. SD-CP-02001
REVISION: A
SHEET SIZE: A4

WEIGHT: 353.0kg
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-02001 - RhinoStop Sky-Edge Type 1\ Wednesday, 4 May 2022 1:42:11 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:

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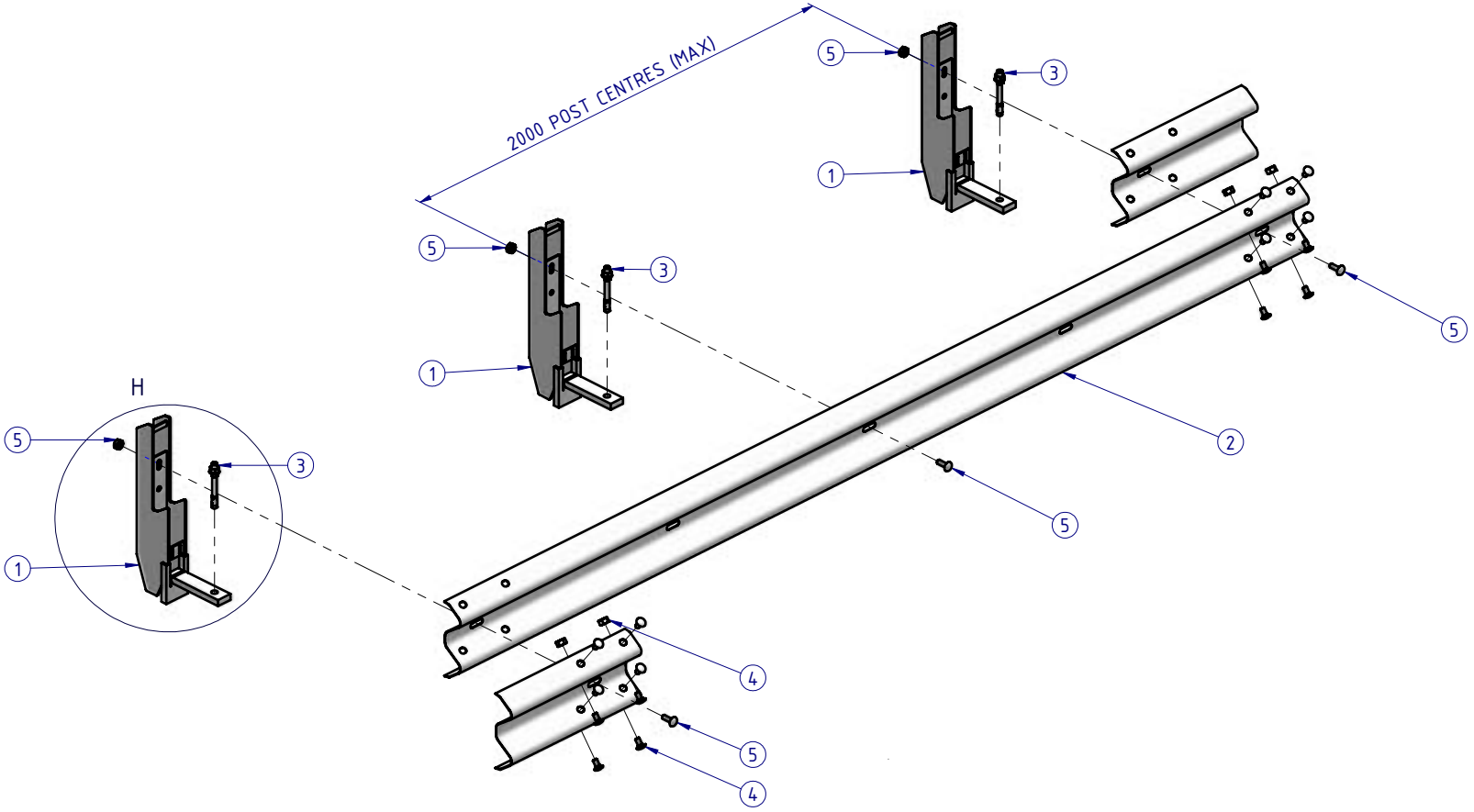

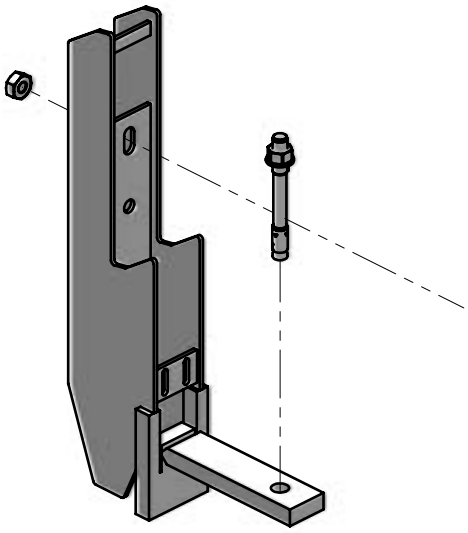

DETAIL H
SCALE 1:10

MATERIAL:		
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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THIRD ANGLE PROJECTION

STATUS: APPROVED

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Carpark Barriers - RhinoStop® Sky-Edge
Rhino-Stop® Sky-Edge Type 1 GuardRail
General Arrangement

DWG NO.	REVISION:	SHEET SIZE
SD-CP-02001	A	A4

WEIGHT: 353.0kg | DO NOT SCALE DRAWING | SCALE: 1:25 | SHEET 2 of 3

C:\SDSYD\SD\Assembly\SD-CP Carpark Barriers\SD-CP-02000 RhinoStop Sky-Edge\SD-CP-02001 - RhinoStop Sky-Edge Type 1\ Wednesday, 4 May 2022 1:42:11 PM

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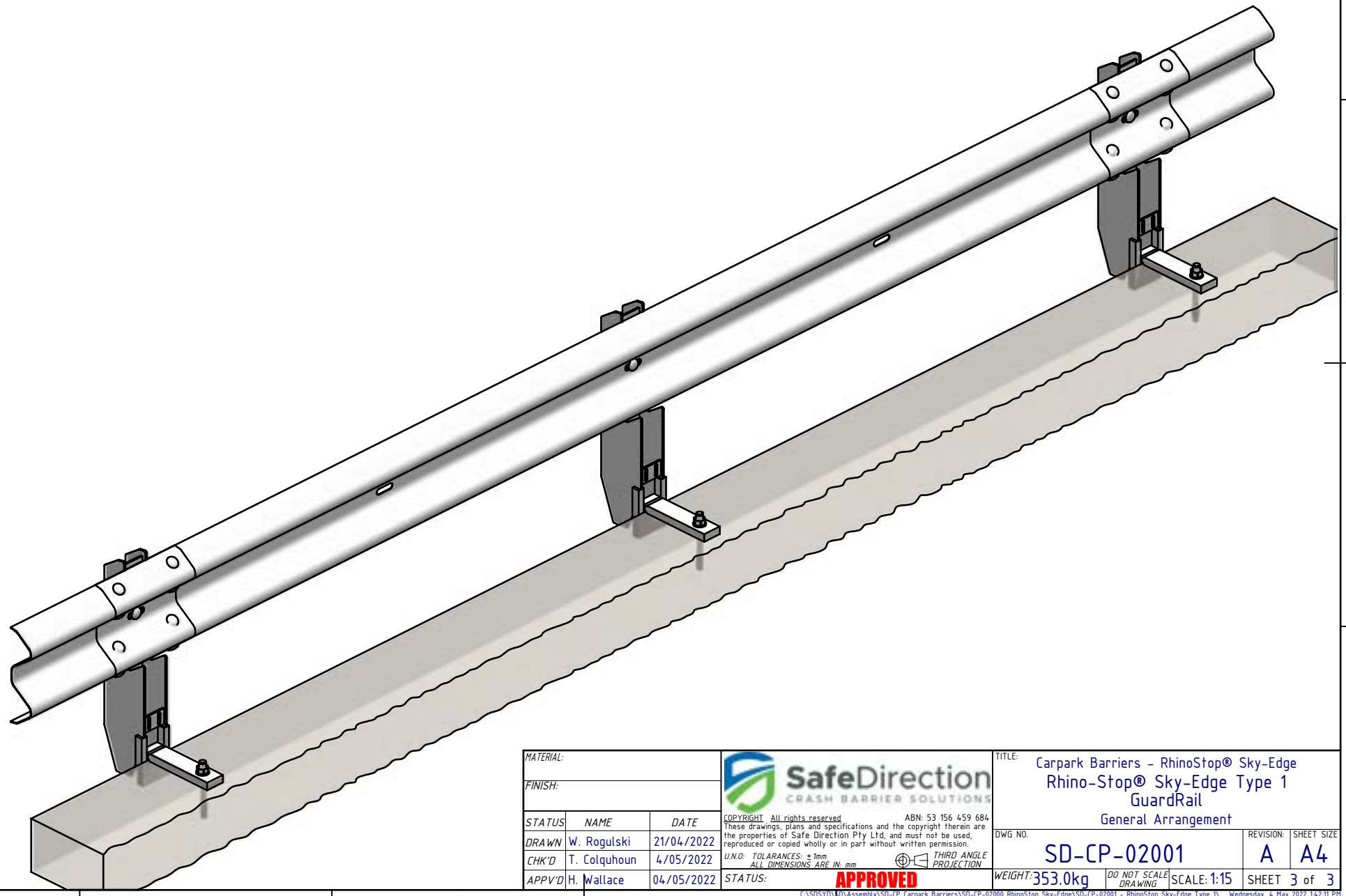

MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Rogulski	21/04/2022
CHK'D	T. Colquhoun	4/05/2022
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Rhino-Stop® Sky-Edge Type 1 GuardRail
General Arrangement

DWG NO.	REVISION:	SHEET SIZE
SD-CP-02001	A	A4

WEIGHT: 353.0kg | DO NOT SCALE DRAWING | SCALE: 1:15 | SHEET 3 of 3

C:\SDSYD\SD\Assembly\SD-CP Carpark Barriers\SD-CP-02000 RhinoStop Sky-Edge\SD-CP-02001 - RhinoStop Sky-Edge Type 1\ Wednesday, 4 May 2022 1:42:11 PM