

P23012 Wingates Unit 3

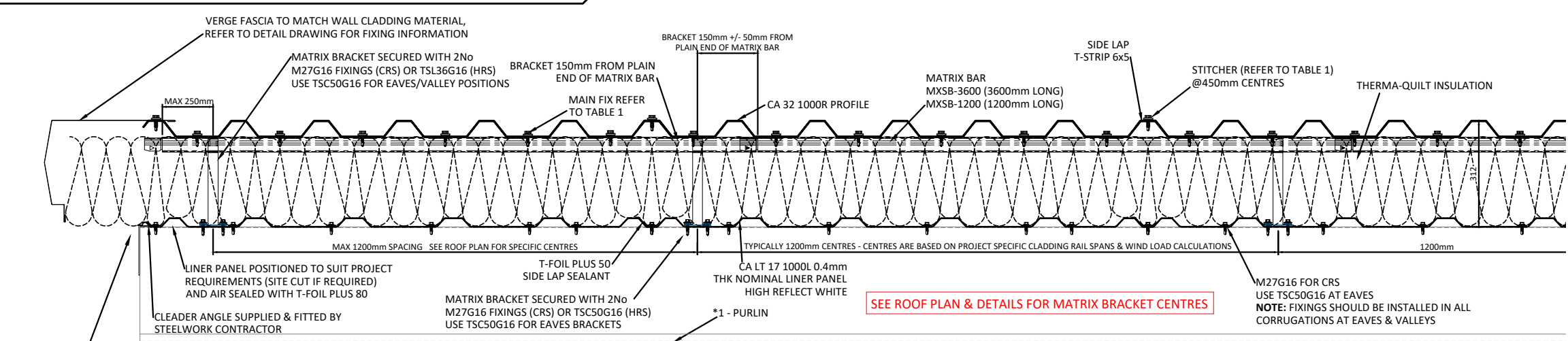
Drawing Register: CA Roofing

*Please note: All drawings listed below are hyperlinked to the drawings listed.
Please click on the drawing title to go directly to the drawing of your choice.*

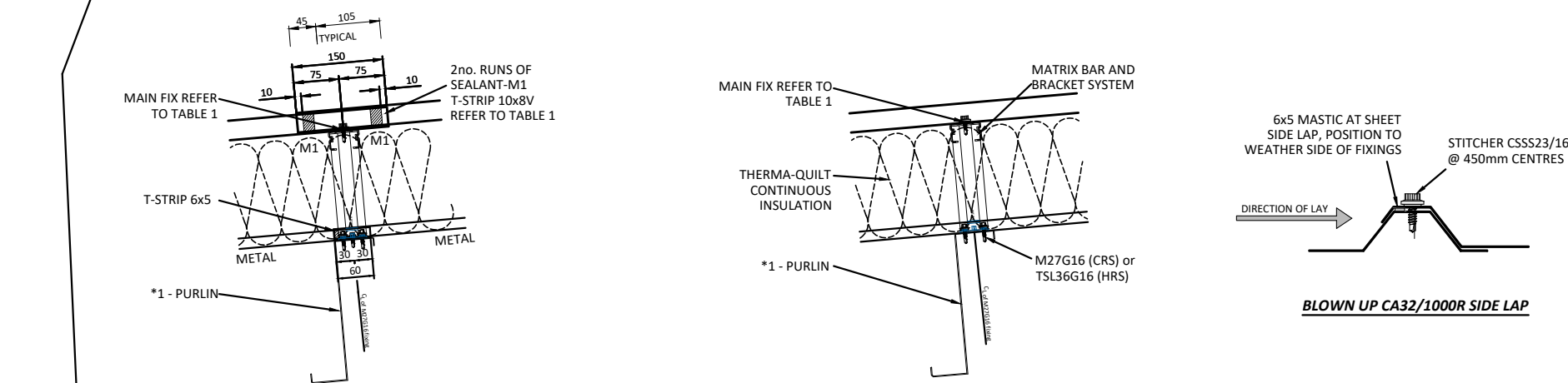
Works Completed: Roofing & Cladding

Drawing No.	Drawing Title	Rev
P23012-CAR-BR-RL-DR-X-0001	Quantum 'Chronus Ready' Twin-Therm Curved Roof Specification	AB
P23012-CAR-BR-RL-DR-X-0011	Gutter Layout	AB
P23012-CAR-BR-RL-DR-X-0012	Gutter Sections	AB
P23012-CAR-BR-RL-DR-X-0013	Roof Eaves Detail	AB
P23012-CAR-BR-RL-DR-X-0014	Roof Valley Detail	AB
P23012-CAR-BR-RL-DR-X-0015	Roof Verge Detail	AB
P23012-CAR-BR-RL-DR-X-0016	Roof Access Hatch Detail	AB
P23012-CAR-BR-RL-DR-X-0017	Roof Cowl Upstand Detail	AB
P23012-CAR-BR-RL-DR-X-0018	ISO 14001 EMS 573506 Revision:	AB
P23012-CAR-BR-ZZ-DR-X-0003	Twintherm Wall Spec Vertical CA32/1000W	AB
P23012-CAR-BR-ZZ-DR-X-0004	Twintherm Wall Spec Horizontal CA32/1000W	AB
P23012-CAR-BR-ZZ-DR-X-0005	Twin-Therm® Wall Specification For CA17 1000L Liner Panel, Matrix System,	AB
P23012-CAR-BR-ZZ-DR-X-0021	Elevation on Gridline A	AB
P23012-CAR-BR-ZZ-DR-X-0022	Elevation on Gridline J	AB
P23012-CAR-BR-ZZ-DR-X-0023	Elevation on Gridline 1	AB
P23012-CAR-BR-ZZ-DR-X-0025	Base Detail Vertical 32/1000W	AB
P23012-CAR-BR-ZZ-DR-X-0026	Base Detail Horizontal 32/1000W	AB
P23012-CAR-BR-ZZ-DR-X-0027	Base Detail Horizontal 300MR	AB
P23012-CAR-BR-ZZ-DR-X-0028	Base Detail @ Level Access Doors	AB
P23012-CAR-BR-ZZ-DR-X-0029	Personnel Door Head Detail Vertical Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0030	Personnel Door Jamb Detail Vertical Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0031	Prowall Head Detail	AB
P23012-CAR-BR-ZZ-DR-X-0032	Prowall Jamb Detail	AB
P23012-CAR-BR-ZZ-DR-X-0033	L.A. Door Head Detail	AB
P23012-CAR-BR-ZZ-DR-X-0034	L.A. Door Jamb Detail	AB
P23012-CAR-BR-ZZ-DR-X-0035	Vertical to Horizontal Cladding Section	AB
P23012-CAR-BR-ZZ-DR-X-0036	Vertical to Horizontal Cladding Plan	AB
P23012-CAR-BR-ZZ-DR-X-0037	Featureband Back-Lapped Sheet Detail	AB
P23012-CAR-BR-ZZ-DR-X-0038	300MR to Featureband Sheet Section	AB
P23012-CAR-BR-ZZ-DR-X-0039	300MR to Vertical Cladding Plan	AB
P23012-CAR-BR-ZZ-DR-X-0040	300MR to Horizontal Cladding Plan	AB

Drawing No.	Drawing Title	Rev
P23012-CAR-BR-ZZ-DR-X-0041	Vertical Cladding Corner Detail	AB
P23012-CAR-BR-ZZ-DR-X-0042	Horizontal Cladding Corner Detail	AB
P23012-CAR-BR-ZZ-DR-X-0043	300MR Office Cladding Corner Detail	AB
P23012-CAR-BR-ZZ-DR-X-0044	300MR Office Glazing Head Detail	AB
P23012-CAR-BR-ZZ-DR-X-0045	300MR Office Glazing Cill Detail	AB
P23012-CAR-BR-ZZ-DR-X-0046	300MR Office Glazing Jamb Details	AB
P23012-CAR-BR-ZZ-DR-X-0047	Personnel Door Head Detail Horizontal Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0048	Personnel Door Jamb Detail Horizontal Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0050	Light Bracket Details in Vertical Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0051	Light Bracket Details in Horizontal Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0052	Light Bracket Details in 300MR Cladding	AB
P23012-CAR-BR-ZZ-DR-X-0054	Post Chute Section	AB
P23012-CAR-BR-ZZ-DR-X-0055	Louvre Head & Cill Details	AB
P23012-CAR-BR-ZZ-DR-X-0056	Louvre Jamb Detail	AB



Section Through Roof Construction Including Start and End of MatriX Bar and Bracket Requirements



EXTRA FIXING AT THIS LOCATION ONLY AT OPEN EDGE OF LINING PANEL

3 NO. FIXINGS PER LINER PER PURLIN (3 NO. IN LOW CORRUGATIONS)

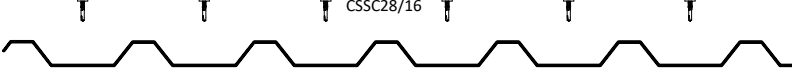
3 NO. FIXINGS PER SHEET PER PURLIN

Liner Sheet Fixing Locations @ Intermediate Purlins

Outer Sheet Fixing Locations @ Intermediate Purlins

6 NO. FIXINGS PER LINER PER PURLIN (1 NO. @ SIDE LAP + 5 NO. IN LOW CORRUGATIONS)

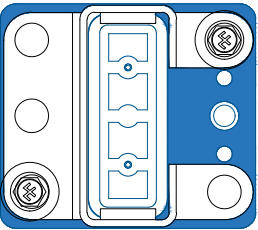
6 NO. FIXINGS PER SHEET PER PURLIN



Liner Sheet Fixing Locations @ End Laps & Apex

Outer Sheet Fixing Locations @ Eaves, Ridge and End Laps

6 NO. FIXINGS PER LINER PER PURLIN (1 NO. @ SIDE LAP + 5 NO. IN LOW CORRUGATIONS)



Blue Base

MatriX Bracket Arrangement
2no M27G16 (CR) TSC50G16 (HR)
TSC50G16 (Eaves)

EDGE DISTANCES (mm)	
MINIMUM FROM CL OF FIXING	
Metal Liner (CA LT 17 1000L)	
Ridge	30
Intermediate	-
End Laps	30
Eaves	55
Hips	55
Metal Top Sheet (CA 32 1000R)	
Ridge	70 Min
Intermediate	-
End Laps	75
Eaves	70 Min
Hips	70 Min

Table 1			
System Guarantee	Sealant "M1"	Main Fixing	Stitcher
Up to 25 Years	T-strip 10x8V	CSSC28/16	CSSS23/16

Table 3 - Roof U-values and depths			
Bracket Ref	Therma-quilt	U-Value (W/m²K)	System Depth (mm)
MX000	TQ000	0.51	112
MX100	TQ100	0.41	132
MX120	TQ120	0.35	152
MX140	TQ140	0.30	172
MX160	TQ160	0.26	192
MX180	TQ180	0.23	212
MX200	TQ200	0.21	232
MX220	TQ220	0.19	252
MX240	TQ240	0.18	272
MX260	TQ260	0.16	292
MX280	TQ280	0.15	312
MX300	TQ300	0.14	332

U-values quoted based on average purlin spacings of 1450mm and bracket spacing of 1100mm

Twin-Therm® Roof Specification
This specification drawing is for Chronus Ready[Pat.Pend] specifications and should be read in conjunction with the associated NBS document & installed as per the installation guides: IG-TT-01 or IG-TT-02.

Component Appraisal (Euroclass to BS EN 13501-1:2018)

Liner 0.4mm CA 17 1000L pre-coated steel.
- Euroclass 'A1' Colorcoat® PE 15

Insulation Outer Euroclass 'A1' Therma-quilt glass mineral wool
0.7mm CA 32 1000R pre-coated steel.
Options for coatings are;
- Euroclass 'C-s2, d0' Colorcoat HPS200 Ultra®

System Certification

Reaction to Fire Tested to BRE LPCB test LPS 1181-1, certificate No. 443a: Grade 'EXT-B'.
In accordance with ACR[M]001:2019 "Redbook", once fully fixed & sealed;
- Complete Twin-Therm® built-up roof & rooflights assembly is 'Class B' Non-Fragile.
- CA 17 1000L liner profile & rooflight assembly is 'Class C' Non-Fragile
(For 'Class B' liner assembly refer to SD-TTR-16).
Refer to TIP-101 for System Non-Fragility Tolerances.

Non-Fragility Kiwa BDA Agrément No. BAE-17-063-S-A-AK.
Refer to TIP-401.

Agrement Acoustics Refer to TIP-401.

Twin-Therm® Therma-light Rooflights

Liner Therma-light 17 1000 CE24 GRP profile, rated 'EXT.S.AA' to BS 476-3:2004 & 'Class 1' to BS 476-7:1997.

Intermediate TC**MX-17 Polycarbonate Therma-core:
Euroclass 'B-s1, d0' to BS EN 13501-1:2018.

Outer Therma-light 32 1000 GRP profile, rated 'EXT.S.AB' to BS 476-3:2004 & 'Class 3' to BS 476-7:1997.
- CE18E (25 Year Guarantee)

Additional Information
*1 - Refer to TIP-406 for the minimum thickness of purlins / cladding rails.
Refer to TIP-503 'Roof Pitch & Curve Parameters' for further information & secondary steelwork requirements.

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	18/09/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

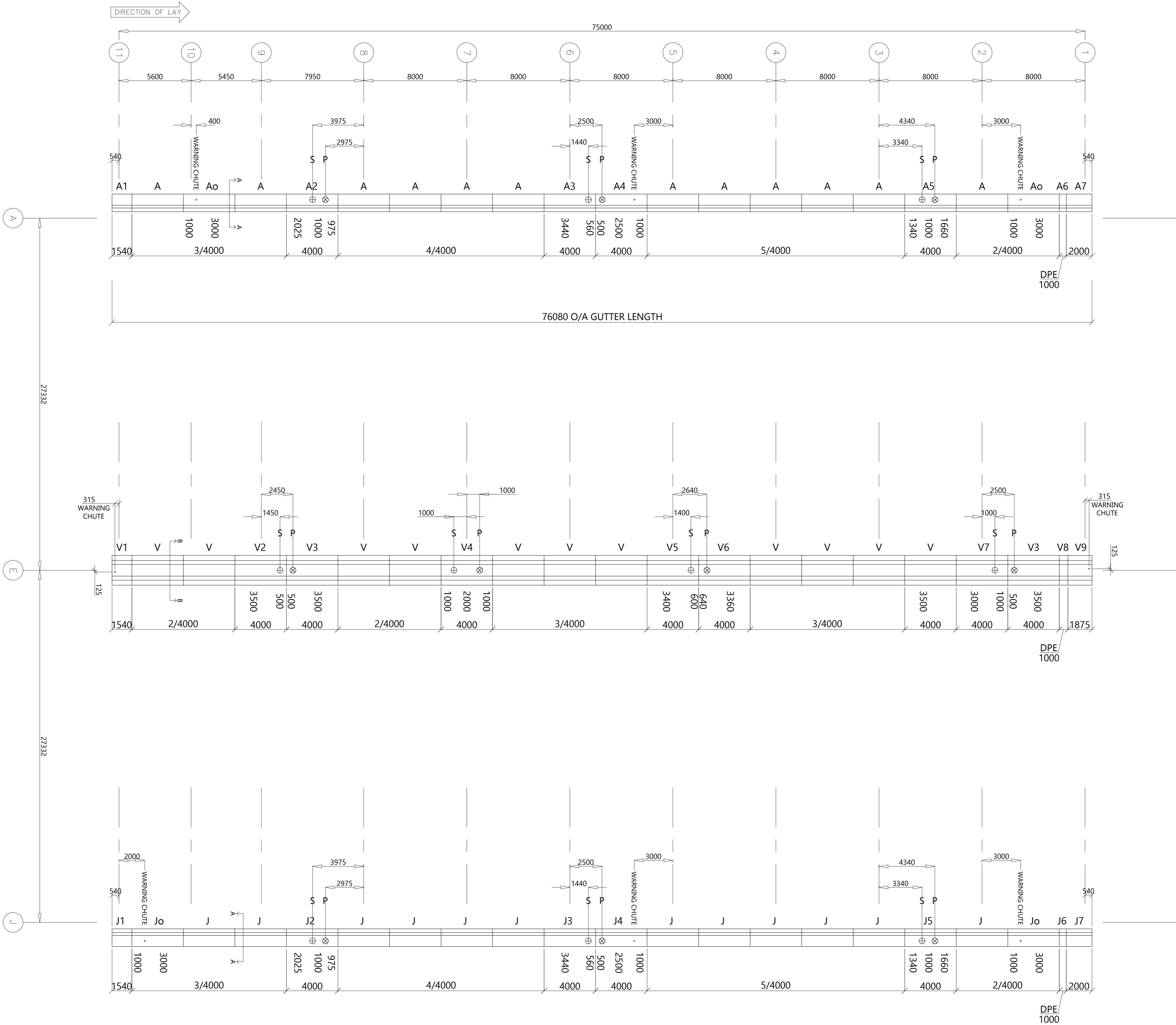
CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: Quantum 'Chronus Ready' Twin-Therm Curved Roof Specification

DRAWN BY: L.Stones	CHECKED BY:
SCALE: nts	DATE: Sept 23
CONTRACT NO: CA2548	
DRAWING NO: P23012-CAR-BR-RL-DR-X-0001	REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.



GUTTER SPECIFICATION

SINGLE SKIN GUTTERS: (EAVES)
1075mm GIRTH, 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV.

COMPOSITE GUTTERS: (VALLEYS)
1250mm GIRTH, 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV. w/ 50mm ROCKWOOL
INSULATION & 0.7mm thk HI-REFLECT WHITE LINER.

OVERFLOW INDICATORS:
MANUFACTURED AS DETAILED - FACTORY FITTED AND
WELDED INTO POSITION AT OVERFLOW POSITIONS SHOWN,
PAINT END 200mm BLACK RAL9005.

GUTTER INSTALLATION INSTRUCTIONS:
USE CASCADE PREMIER INSTALLATION GUIDE **IG-CPG-01**
FOR INSTRUCTIONS FOR INSTALLATION OF GUTTERS USING
PLATED STEEL RIVETS, HEAT WELDED PVC MEMBRANE
JOINING STRIP & LIQUID SEAM SEALER.

BOLLHOFF (RVNUT) & LIFTING LUG REQUIREMENTS:
INSULATED GUTTERS - ALL INSULATED GUTTERS TO BE
SUPPLIED WITH FITTED BOLLHOFF (RVNUT).

LIFTING LUGS ARE TO BE SUPPLIED LOOSE FOR SITE
INSTALLATION BY CARS.

SIPHONIC DRAINAGE:
ALL DRAINAGE CALC'S BY 'SIPHONIX'.

SIPHONIC OUTLETS SUPPLIED BY 'SIPHONIX' FOR
FACTORY FITTING INTO GUTTERS BY CA.

10 No. PRIMARY OUTLETS - INDICATED BY 'P' ⊗
10 No. SECONDARY OUTLETS - INDICATED BY 'S' ⊗

NOTE
GUTTER WIDTHS SHOWN
ENLARGED FOR CLARITY.

NOTE
SEE DRG. P23012-CAR-BR-RL-DR-X-0012
FOR FULL GUTTER SECTIONS.

AB	14/5/24	AS BUILT ISSUE
C02	26/10/23	VALLEY RUN REVISED FROM GRIDLINE 3-1
C01	24/10/23	ISSUED FOR CONSTRUCTION
P01	23/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services: A Division of CA Group Ltd Registered in England No. 1745027
Earmwood Industrial Estate, Eopeland Road, Earmwood, County Durham, DL3 4 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: sales@ca-roofing.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Gutter Layout**

DRAWN BY: **L.Stones** CHECKED BY: **AB**

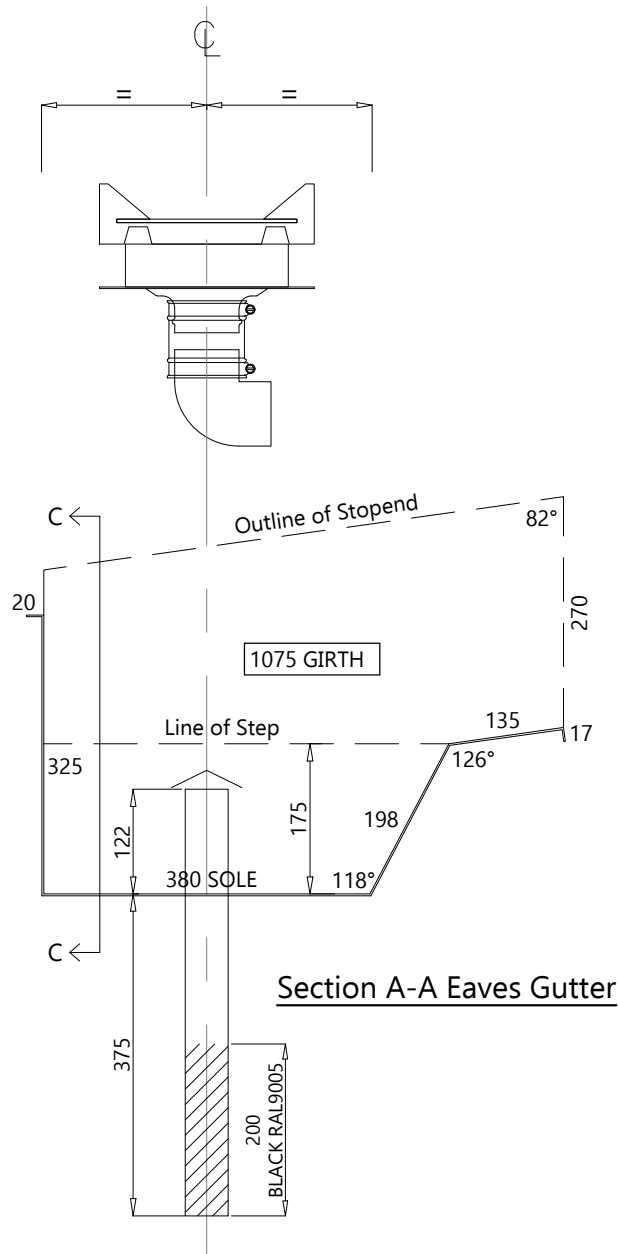
SCALE: **1:150 @ A1** DATE: **Sept 23**

CONTRACT NO: **CA2548**

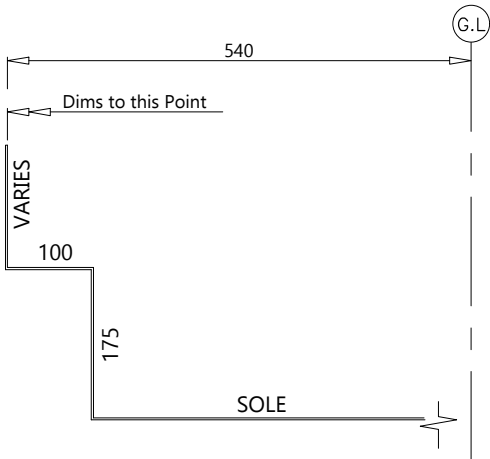
DRAWING NO: **P23012-CAR-BR-RL-DR-X-0011** REVISION: **AB**

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

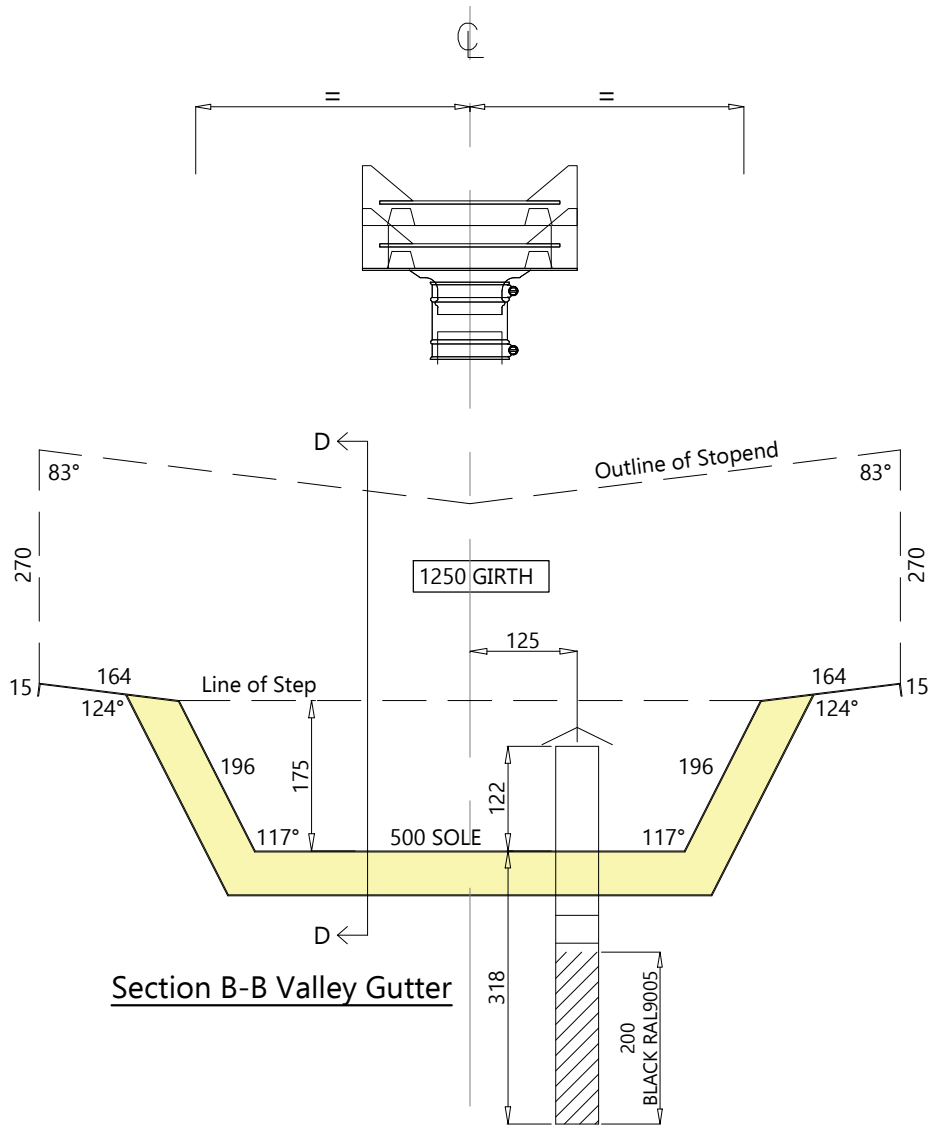
LEADING ROOFING EXCELLENCE



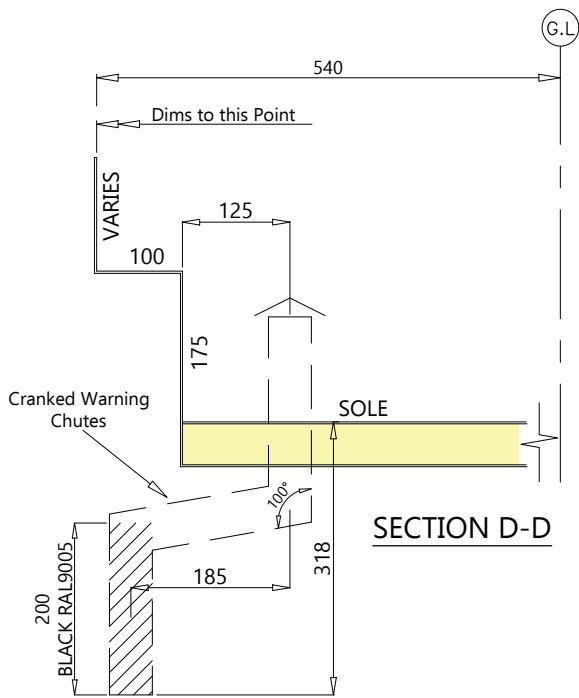
Section A-A Eaves Gutter



SECTION C-C



Section B-B Valley Gutter



SECTION D-D

GUTTER SPECIFICATION

SINGLE SKIN GUTTERS: (EAVES)
1075mm GIRTH, 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV.

COMPOSITE GUTTERS, (VALLEYS)
1250mm GIRTH, 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV. w/ 50mm ROCKWOOL
INSULATION & 0.7mm thk HI-REFLECT WHITE LINER.

OVERFLOW INDICATORS:
MANUFACTURED AS DETAILED - FACTORY FITTED AND
WELDED INTO POSITION AT OVERFLOW POSITIONS SHOWN.
PAINT END 200mm BLACK RAL9005.

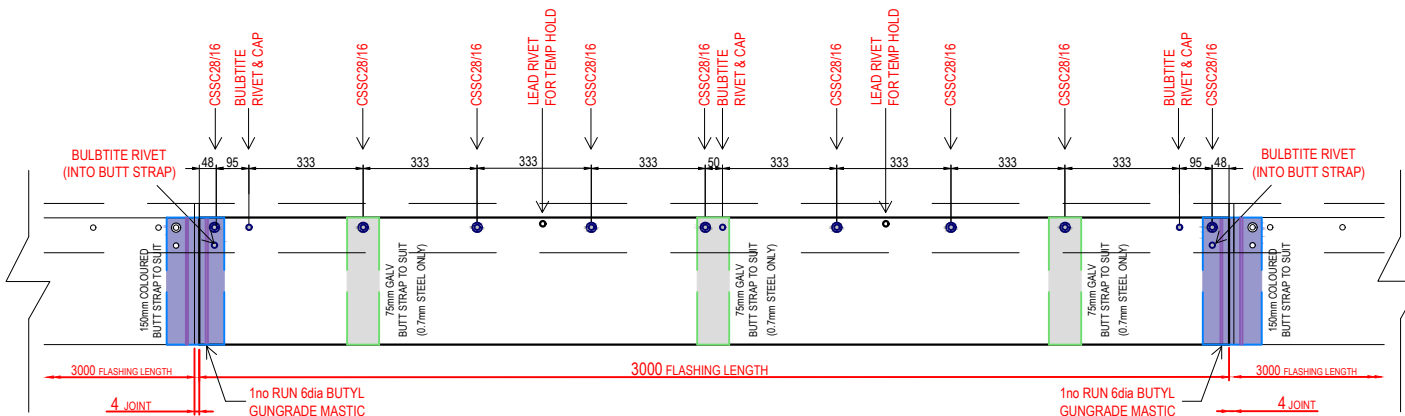
GUTTER INSTALLATION INSTRUCTIONS:
USE CASCADE PREMIER INSTALLATION GUIDE **IG-CPC-01**
FOR INSTRUCTIONS FOR INSTALLATION OF GUTTERS USING
PLATED STEEL RIVETS, HEAT WELDED PVC MEMBRANE
JOINTING STRIP & LIQUID SEAM SEALER.

BOLLHOFF (RVNUT) & LIFTING LUG REQUIREMENTS:
INSULATED GUTTERS - ALL INSULATED GUTTERS TO BE
SUPPLIED WITH FITTED BOLLHOFF (RVNUT).

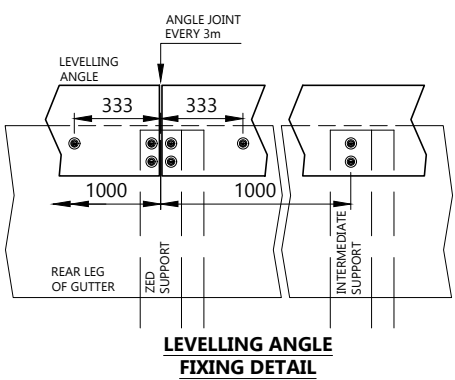
LIFTING LUGS ARE TO BE SUPPLIED LOOSE FOR SITE
INSTALLATION BY CARS.

AB	14/5/24	AS BUILT ISSUE
CD1	24/10/23	ISSUED FOR CONSTRUCTION
PD1	23/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Gutter Sections		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:8 @ A3		DATE: Sept 23
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-RL-DR-X-0012		REVISION: AB
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.		

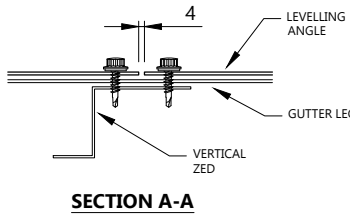
ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



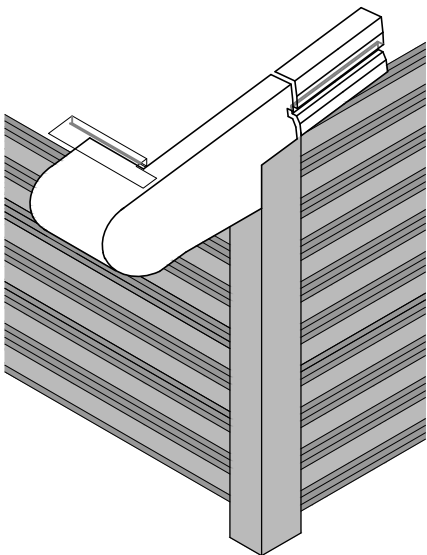
PLAN ON TYPICAL 3m Lg. BULLNOSE SHOWING FIXING ARRANGEMENT



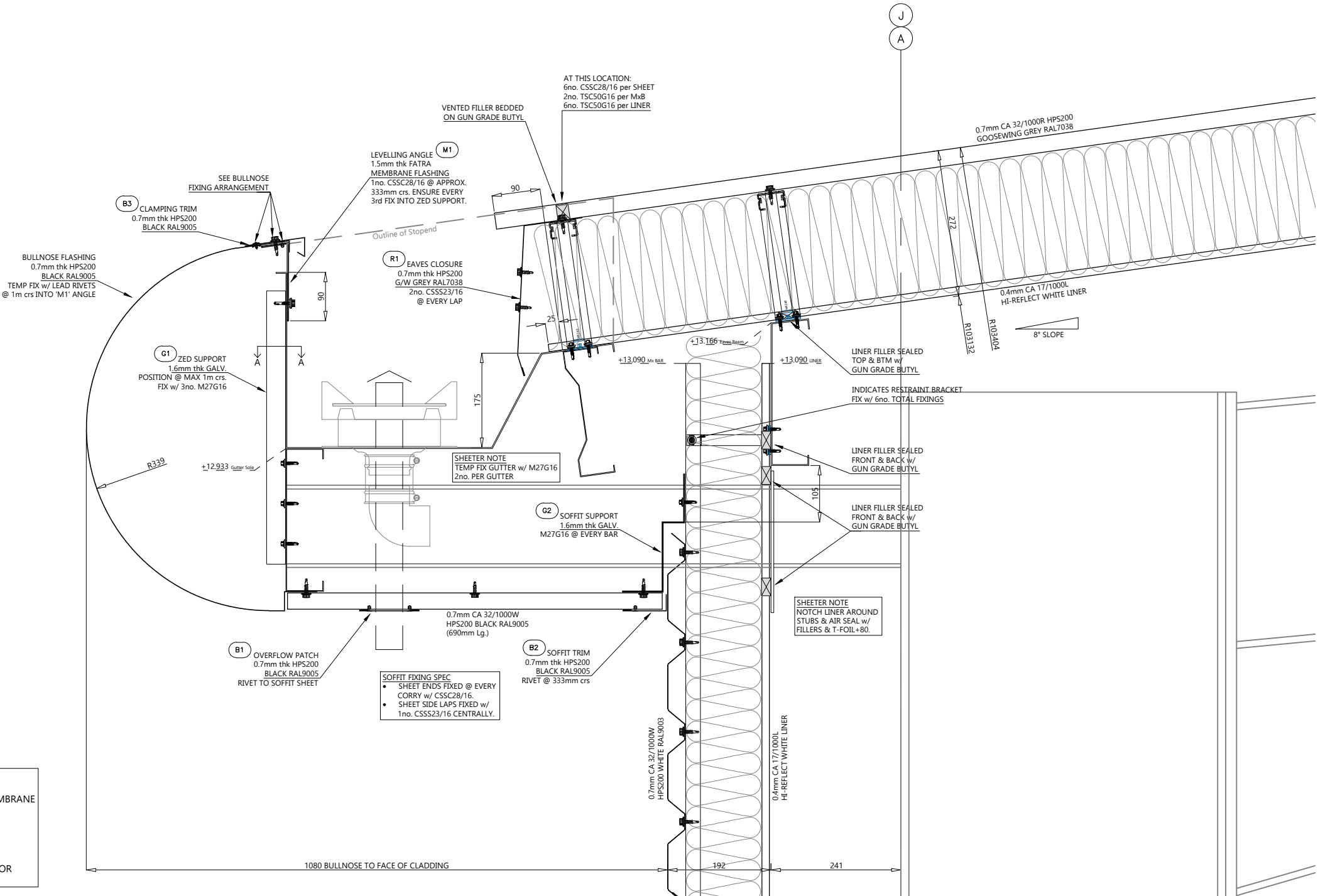
LEVELLING ANGLE
FIXING DETAIL



SECTION A-A



VIEW ON BULLNOSE CORNER



GUTTER SPECIFICATION

1050mm GIRTH 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV.

ALL DRAINAGE CALCULATIONS BY
SIPHONIC SYSTEM SUPPLIER.

SIPHONIC OUTLETS TO BE SUPPLIED FOR
FACTORY FITTING BY CA ROOFING.

REV	DATE	DESCRIPTION
AS	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	02/10/23	ISSUED FOR COMMENT / APPROVAL



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

Roof Eaves Detail

DRAWN BY: L.Stones

CHECKED BY:

SCALE: 1:8 @ A3

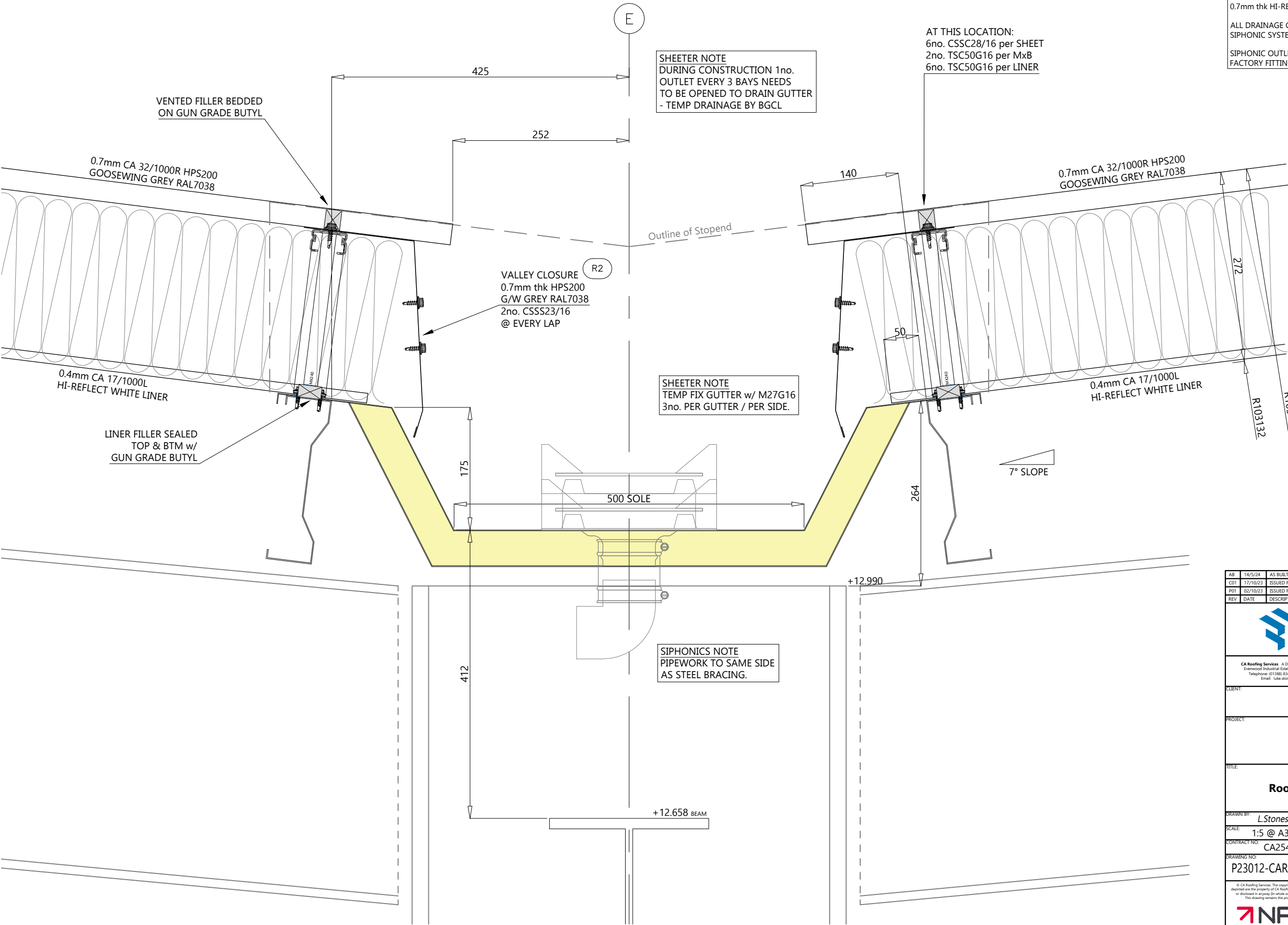
DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-RL-DR-X-0013
REVISION: AB



ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



GUTTER SPECIFICATION

1250mm GIRTH 1.2mm thk FATRA MEMBRANE
PRE-BONDED TO 1.2mm thk GALV.
50mm thk ROCKWOOL SLAB INSULATION.
0.7mm thk HI-REFLECT WHITE LINER.

ALL DRAINAGE CALCULATIONS BY
SIPHONIC SYSTEM SUPPLIER.

SIPHONIC OUTLETS TO BE SUPPLIED FOR
FACTORY FITTING BY CA ROOFING.

AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	02/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

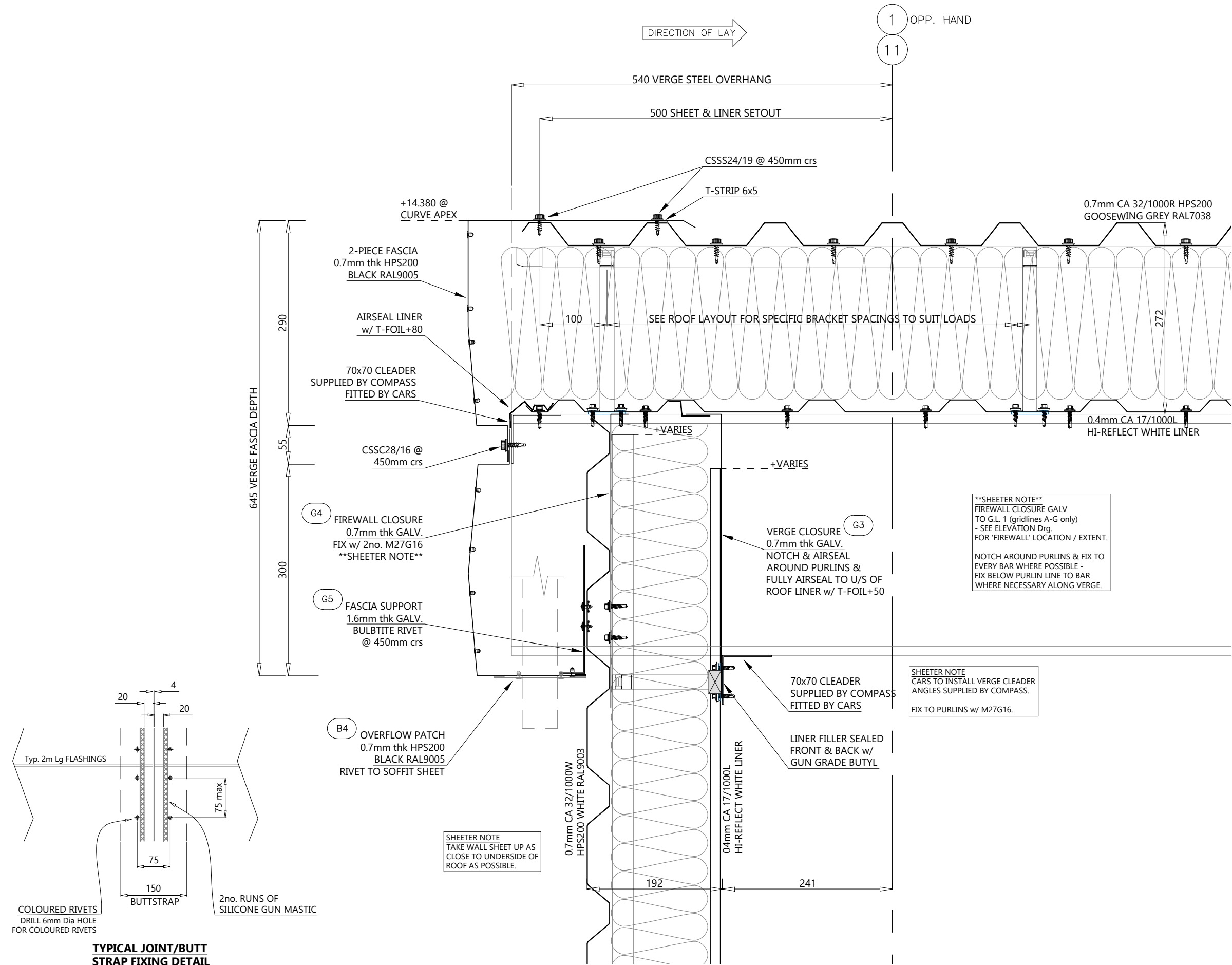
TITLE: Roof Valley Detail

DRAWN BY: L.Stones CHECKED BY: DATE: Sept 23

SCALE: 1:5 @ A3 CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-RL-DR-X-0014 REVISION: AB





AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	02/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Roof Verge Detail		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:5 @ A3		DATE: Sept 23
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-RL-DR-X-0015		REVISION: AB
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.		

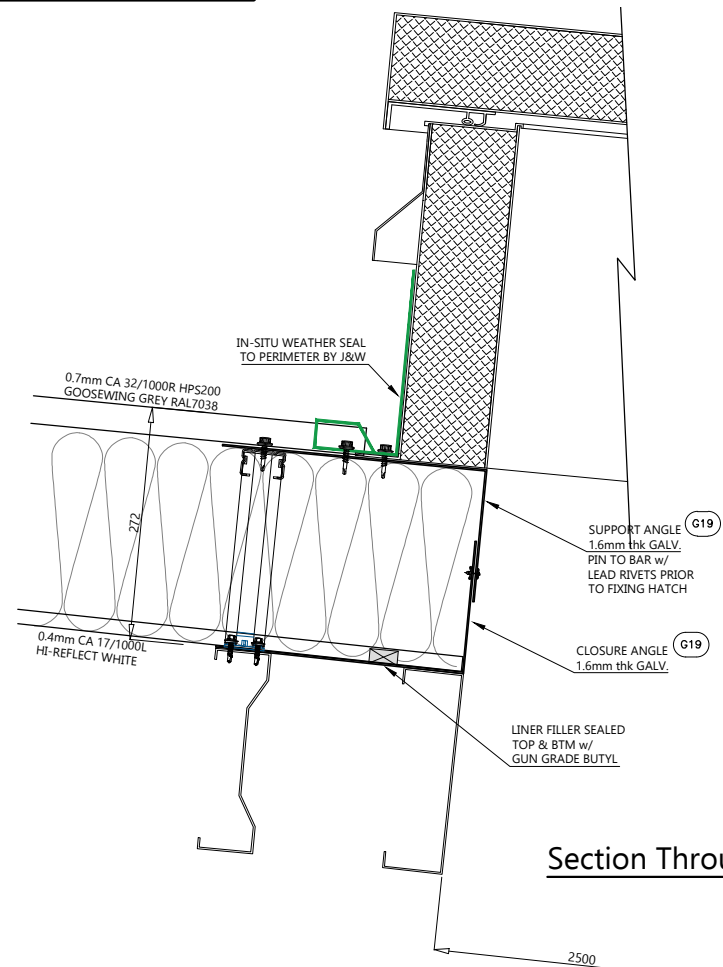
ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!

SRHP75 2500x750 ACCESS HATCH

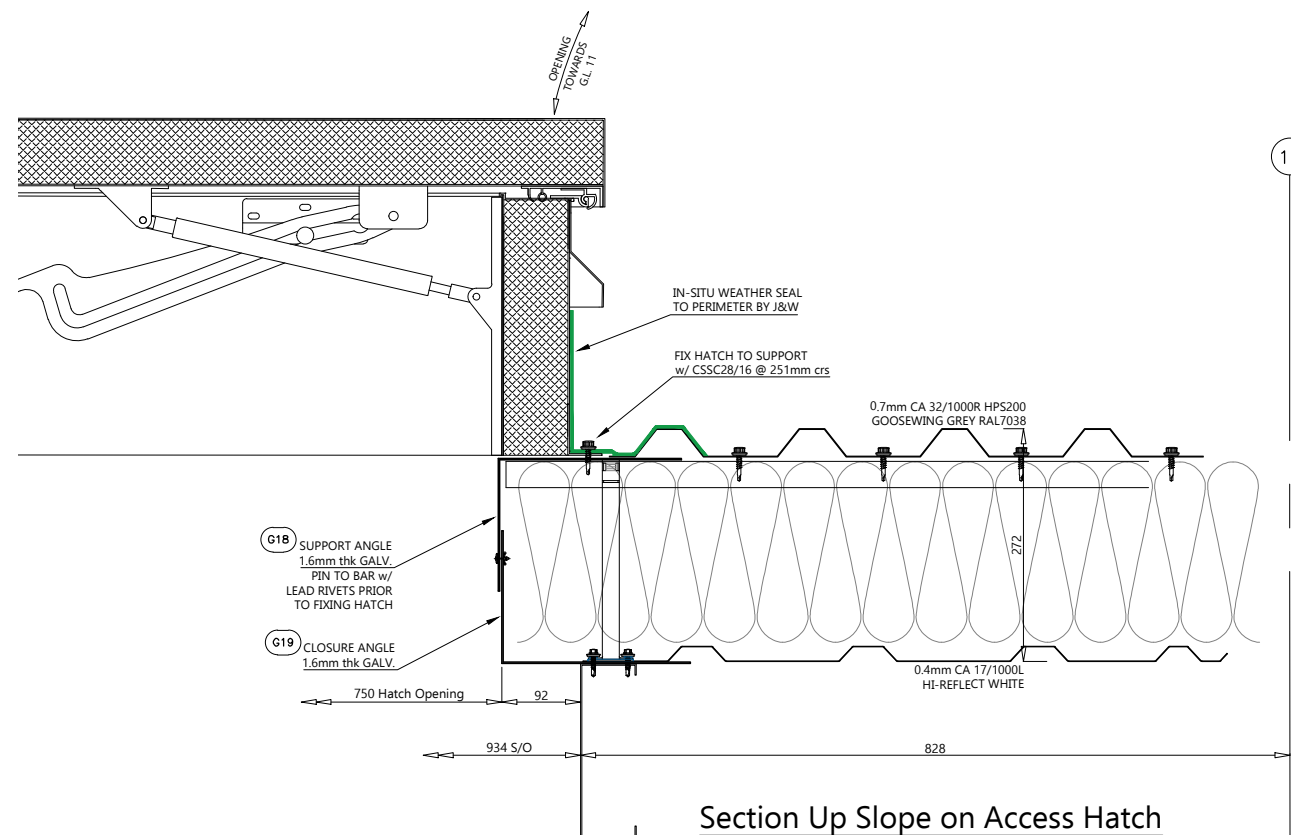
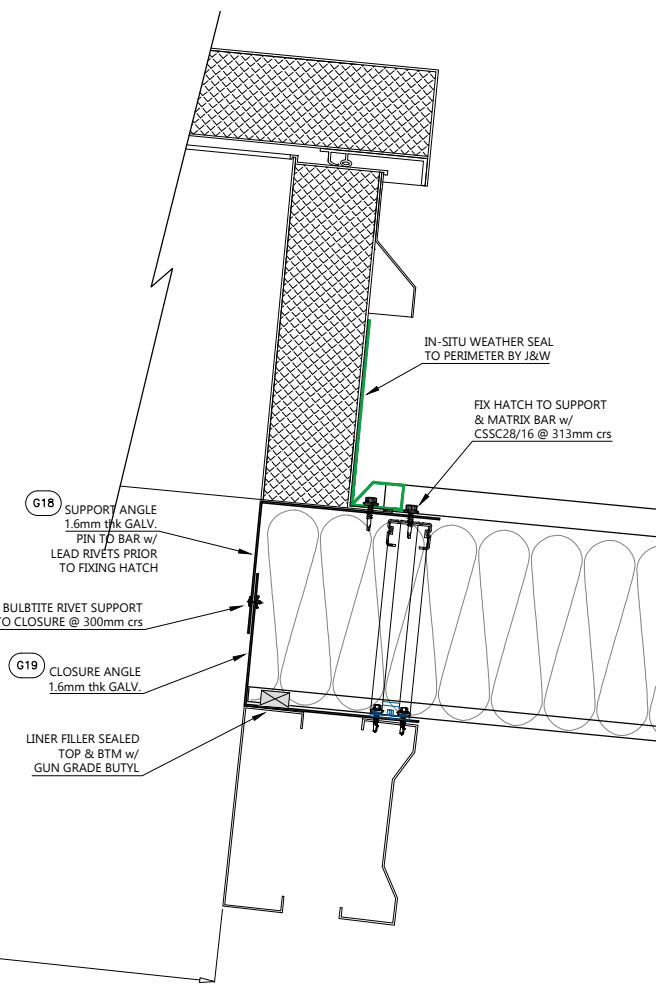
MATERIAL: ALUMINIUM
INSULATION: 75mm thk Non- Combustible Mineral Wool
APPROX. WEIGHT: 105kg
UPSTAND HEIGHT: 300mm
LOCKING OPTIONS: LO1 internal cablock, LO2 padlockable toggle latch & LO4 padlockable external handle

INTERNAL COLOUR: MILL FINISH
EXTERNAL COLOUR: PPC GOOSEWING GREY RAL7038
(TO MATCH ROOF SHEETS)

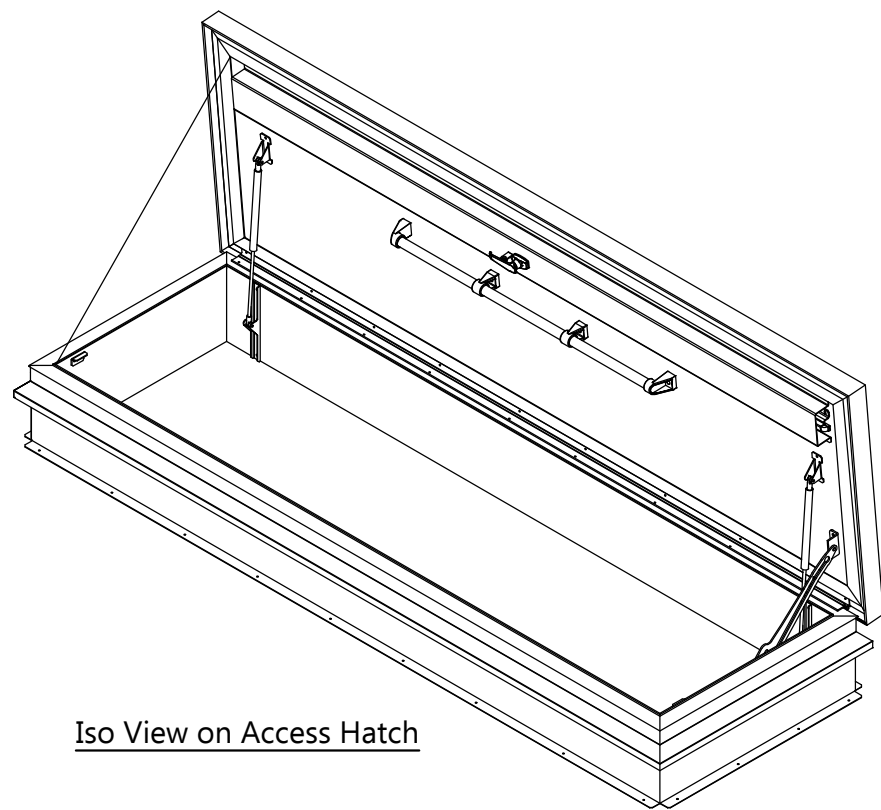
SEE CA2528/ 0010 ROOF LAYOUT
FOR EXACT LOCATION/ POSITION.



Section Through Profiled Access Hatch



Section Up Slope on Access Hatch



Iso View on Access Hatch

AB	14/5/24	AS BUILT ISSUE
C02	20/11/23	HATCH OPENING DIRECTION REVISED
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	26/09/23	ISSUED FOR COORDINATION ONLY
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham, DL14 9SF
Telephone: 01188 834242 Fax: 01188 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

Roof Access Hatch Detail

DRAWN BY:

L.Stones

CHECKED BY:

SCALE:

1:8 @ A3

DATE:

Sept 23

CONTRACT NO:

CA2548

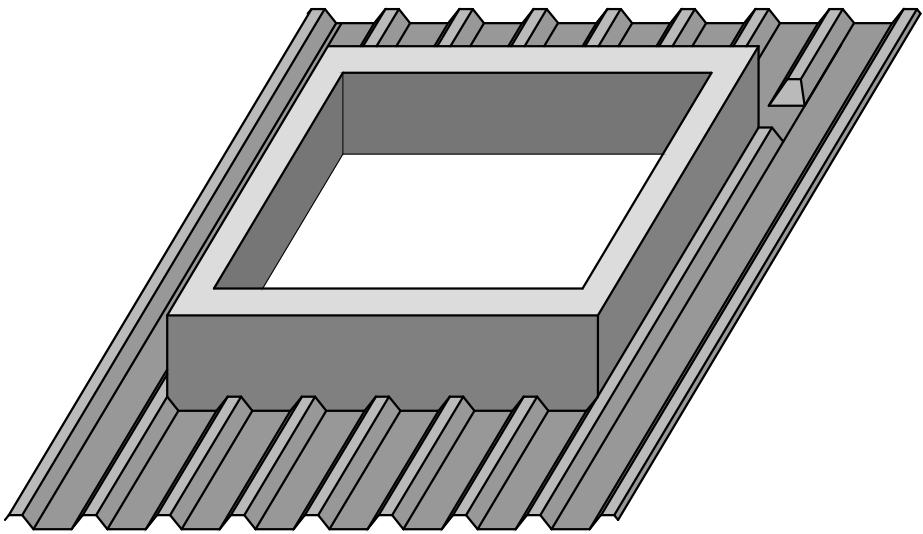
DRAWING NO:

P23012-CAR-BR-RL-DR-X-0016

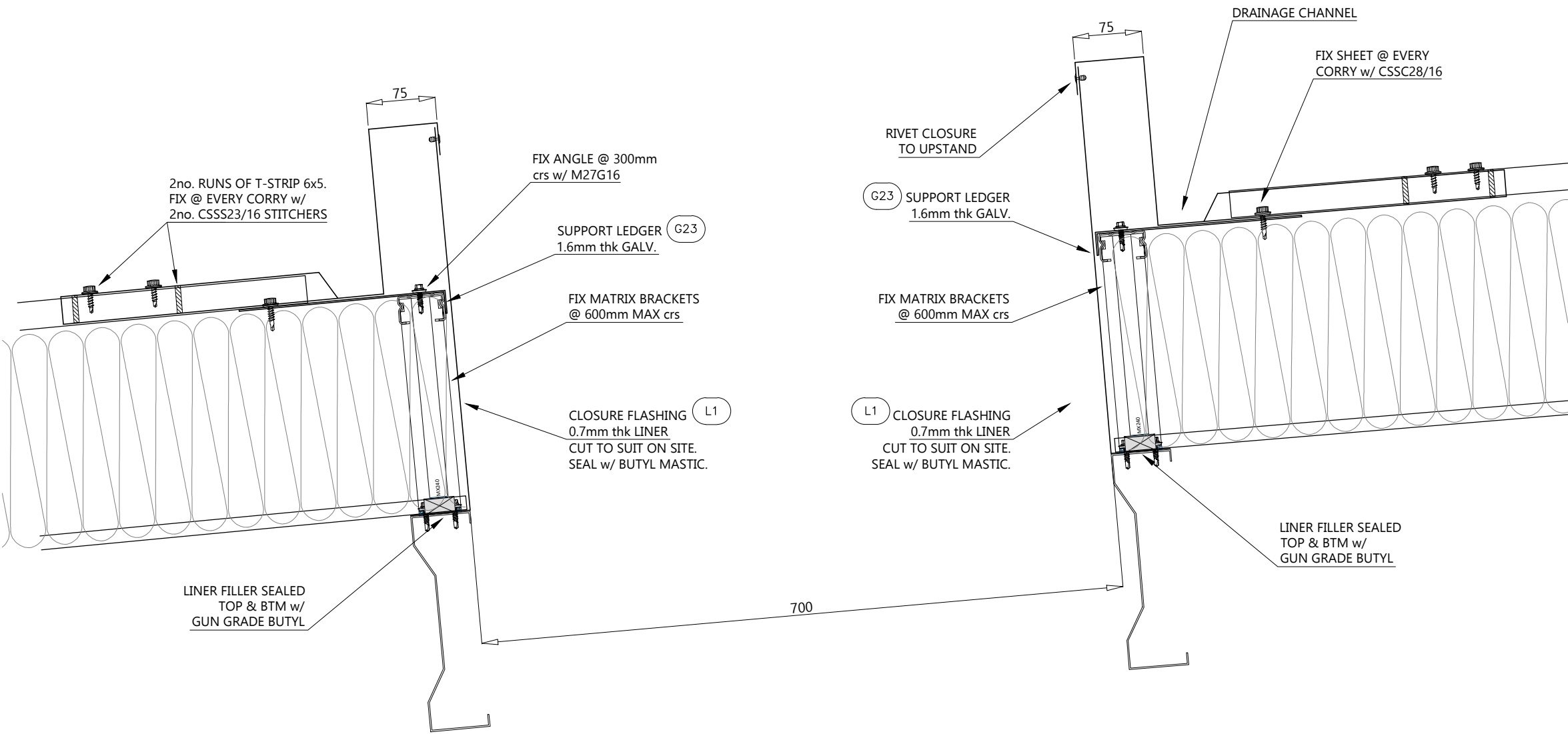
REVISION:

AB





EAVES/VALLEY



AB	14/5/24	AS BUILT ISSUE
C02	29/11/23	SOAKER ORIENTATION ALTERED
C01	28/11/23	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: 01188 834242 Fax: 01188 834545 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

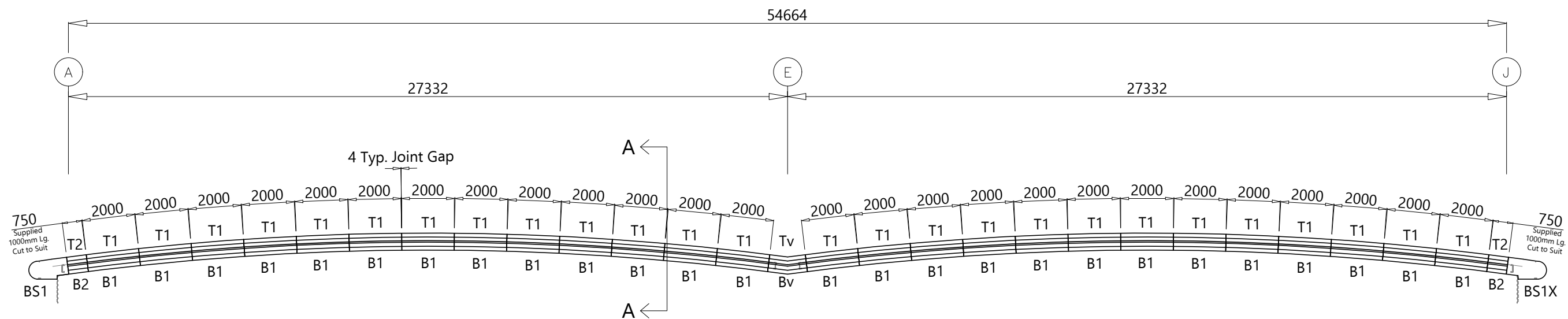
TITLE: **Roof Cowl Upstand Detail**

DRAWN BY: **L.Stones** CHECKED BY: **AB**
SCALE: **1:5 @ A3** DATE: **Nov 23**

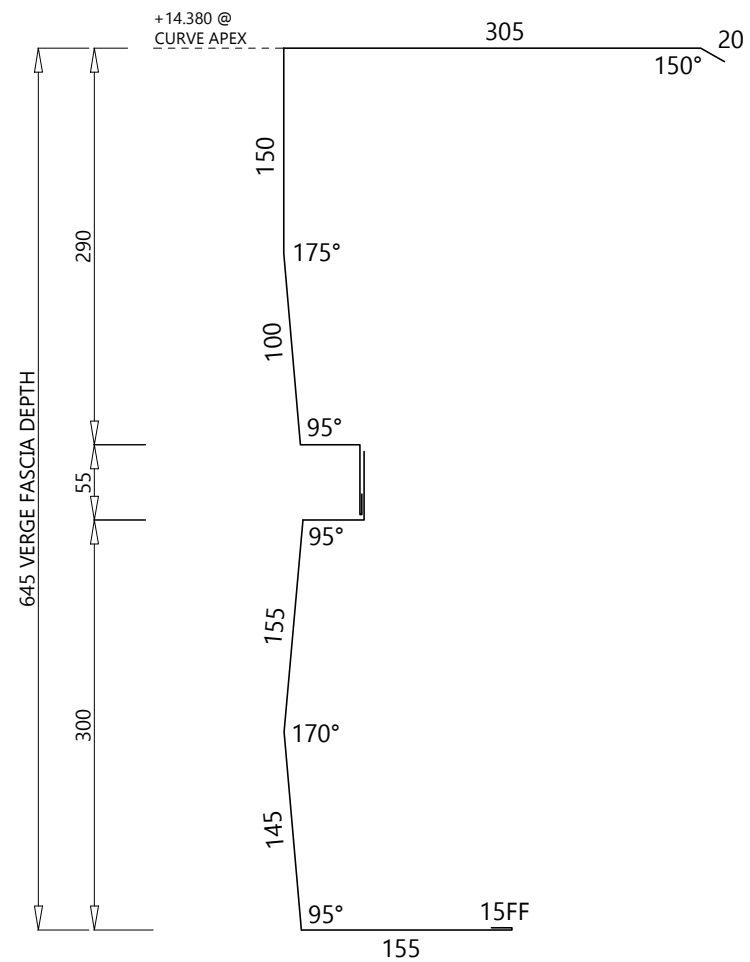
CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-RL-DR-X-0017** REVISION: **AB**

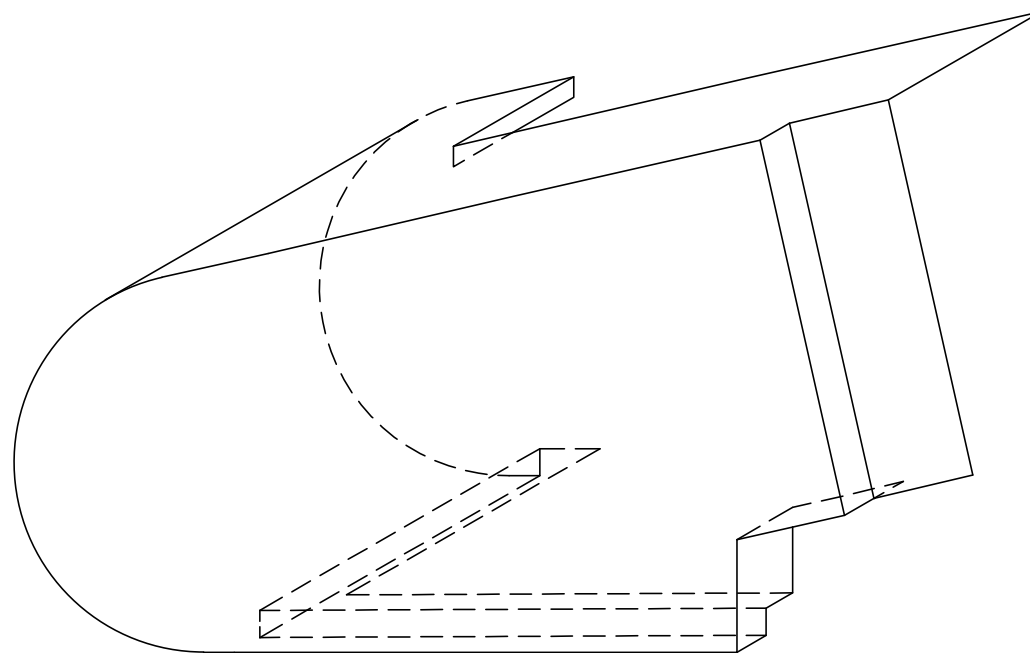








Fascia Layout on Gridline 11
(Opposite Hand for Gridline 1)



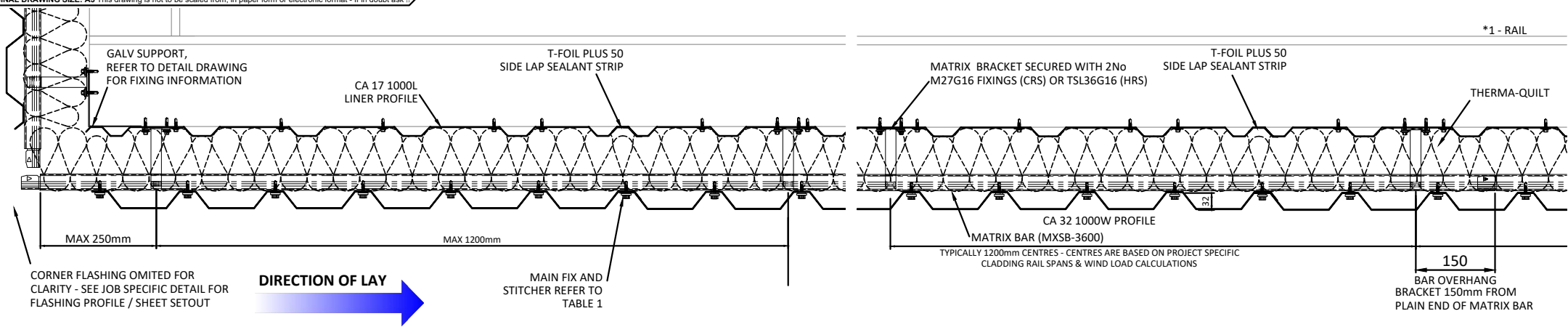
SECTION A-A



EAVES-VERGE FASCIA BOX

AS	14/5/24	AS BUILD ISSUE
CT	17/11/23	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION
		
<p>CA Roofing Services is a Division of CA Group Ltd Registered in England No: 1190357 Ewendwood Industrial Estate, Copeland Road, Ewendwood, County Durham DL14 9SF Telephone: 0191 851 4242 Fax: 0191 851 4048 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</p>		
CLIENT:		
WINVIC		
PROJECT:		
Plot 3 Wingates Bolton		
TITLE:		
Fascia Layout on Girdline 11 & 1		
DRAWN BY:		CHECKED BY:
L.Stones		
SCALE:	1:75 @ A1	DATE: Oct 23
CONTRACT NO:		
CA2548		
DRAWING NO:		REVISION:
P23012-CAR-BR-DR-X-0018		AB
<p><small>© CA Roofing Services. This copyright and other intellectual property rights in this drawing and the contents depicted are the property of CA Roofing Services and / or its licensors. It may not be reproduced, modified, altered or otherwise used in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must not be loaned, sold, copied, or otherwise distributed.</small></p>		
		 
<p>LEADING ROOFING EXCELLENCE</p>		

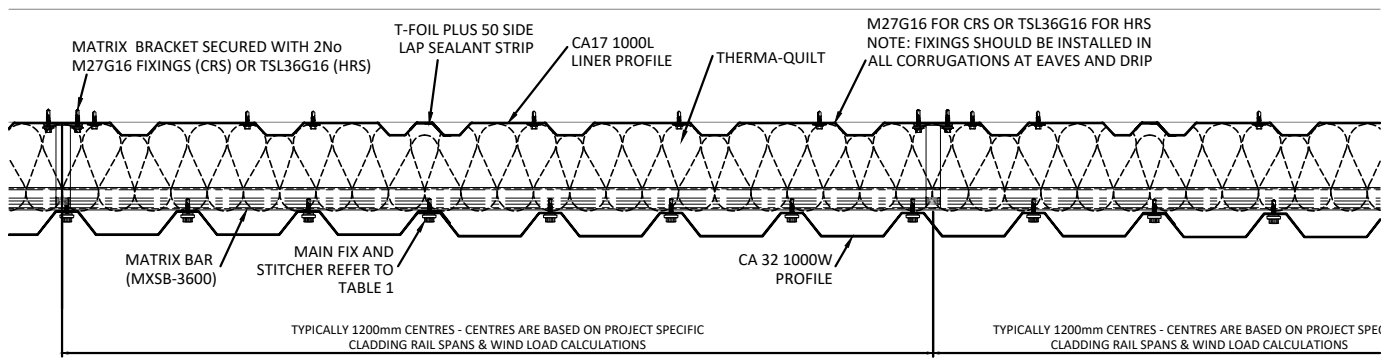
ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



Start of Bar and Bracket Requirements

End of Bar and Bracket Requirements

SEE ELEVATIONS & DETAILS FOR MATRIX BRACKET CENTRES



Horizontal Section Through Wall Construction

CA32/1000W & CA17/1000L LINER FIXING ARRANGEMENT

CA17/1000L Liner Fixing Locations - Base, Head and sheet end terminations
6no Fixings (M27G16 CRS or TSL36G16 HRS) at locations noted above.

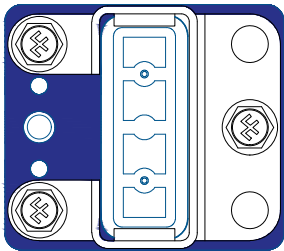
CA17/1000L Liner Fixing Locations - End Laps
5no Fixings (M27G16 CRS or TSL36G16 HRS) at locations noted above.

CA17/1000L Liner Fixing Locations - Intermediate Rails
3no Fixings (M27G16 CRS or TSL36G16 HRS) at locations noted above.

CA32/1000W External Sheet Locations - Base, Head and End Laps
6no Fixings (CSSC28S16 CRS or CSSL36S16 HRS) at locations noted above.

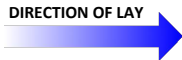
CA32/1000W External Sheet Locations - Intermediate Rails
3no Fixings (CSSC28S16 CRS or CSSL36S16 HRS) at locations noted above.

Blue Base



MatriX Bracket Arrangement
3no M27G16 Fixings

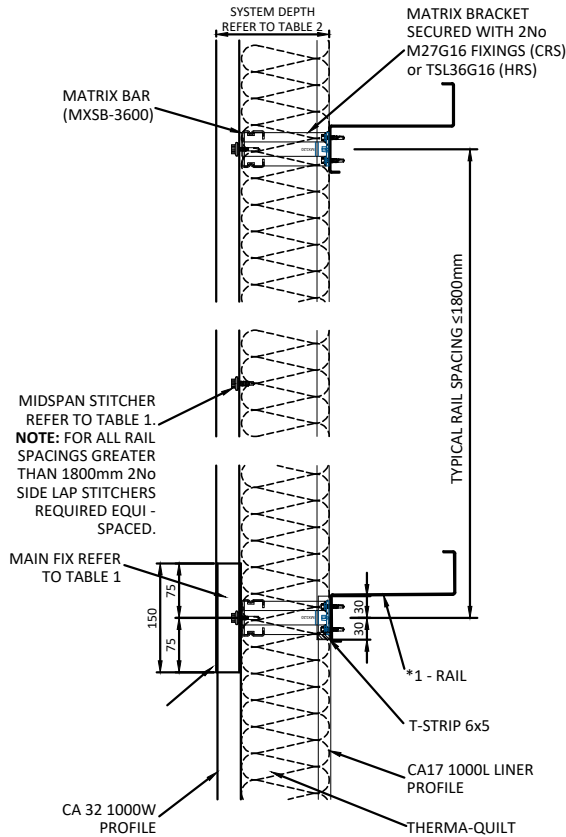
SIDELAP STITCHER FIXING ARRANGEMENT



CSSS23S16 - Sidelap Stitcher

1no Stitcher Midspan @ Rail Spacings 1800mm & Below

2no Stitchers Equally Spaced @ Rail Spacings Above 1800mm



Vertical Section Through Wall Construction

Table 1

System Guarantee	Main Fixing	Stitcher
Up to 25 Years	CSSC28S16	CSSS23S16

Table 2 - Wall U-values and depths

Bracket Ref	Therma-quilt	U-Value (W/m²K)	System Depth (mm)
MX80	TQ80	0.51	112
MX100	TQ100	0.41	132
MX120	TQ120	0.35	152
MX140	TQ140	0.30	172
MX160	TQ160	0.26	192
MX180	TQ180	0.24	212
MX200	TQ200	0.21	232
MX220	TQ220	0.19	252
MX240	TQ240	0.18	272
MX260	CONTACT	CA GROUP	TECHNICAL DEPARTMENT
MX280	CONTACT	CA GROUP	TECHNICAL DEPARTMENT
MX300	CONTACT	CA GROUP	TECHNICAL DEPARTMENT

U-values quoted based on average rail spacings of 1500mm and bracket spacing of 1300mm

Twin-Therm® Wall Specification - Horizontally Laid External Wall Profiles

This specification drawing is for Chronus Ready(Pat.Pend) specifications and should be read in conjunction with the relevant NBS document and installed as per the installation guides: IG-TT-01 or IG-TT-02.

Component Appraisal (Euroclass to BS EN 13501-1:2018)

Liner	0.4mm CA 17 1000L pre-coated steel. Options for coatings are; - Euroclass 'A1' Colorcoat® PE15
Insulation	- Standard Wall: Euroclass 'A1' Therma-quilt glass fibre
Outer	0.7mm pre-coated steel. Coatings are; - Euroclass 'C-s2, d0' Colorcoat HPS200 Ultra® - Euroclass 'A1' Colorcoat Prisma® external profiles shown is CA32/1000W
System Certification	
Reaction to Fire	Tested to BRE LPCB test LPS 1181-1 certificate No. 443a: - Twin-Therm® Wall Grade 'EXT-B' / 'EXT-A15' Refer to TIP-201 for mandatory steelwork requirements.
Agrément	Kiwa BDA Agrément No. BAE-17-066-S-A-UK.
Acoustics	Refer to TIP-401.
Secured By Design	Tested to BRE LPCB test LPS 1175, certificate No. 443d. Refer to TIP-203 for system ratings & associated enhancements. - Not on this contract
Additional Information	*1 - Refer to TIP-406 for the minimum thickness of purlins / cladding rails.

NOTE :-Twin-Therm® Wall Specification (See Elevations for Firewall Positions)

This cladding on this specification drawing is capable of providing a firewall of up to 240/15 (240mins integrity/15mins insulation)
To achieve this rating the steelwork must also be capable of providing the necessary support for the wall, without detriment to its ability to satisfy the integrity criterion for the required period of 240mins.

The cladding will only supply a firewall to the same level of protection as the steelwork structure up to a maximum 240/15.

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	18/09/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 634242 Fax: (01388) 634540 Website: www.cagroup.ltd.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

TWINTHERM WALL SPEC
VERTICAL CA32/1000W

DRAWN BY: D.O

CHECKED BY:

SCALE: NTS @ A3

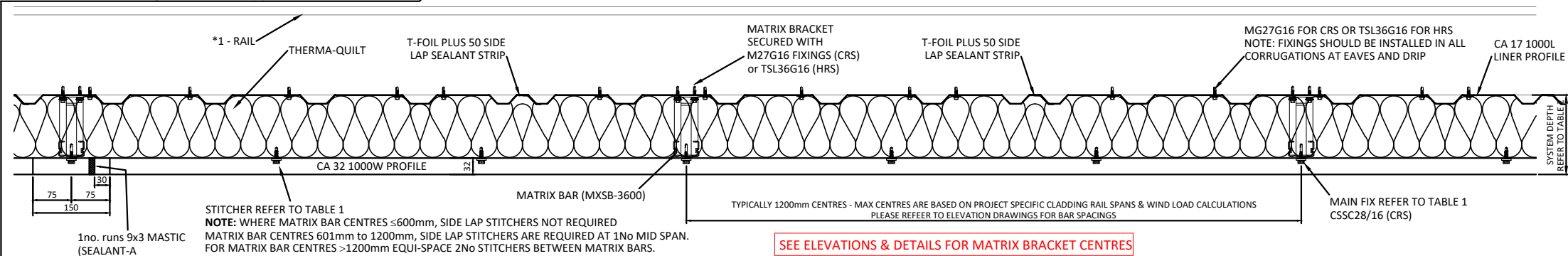
DATE: Sept 23

CONTRACT NO: CA2548

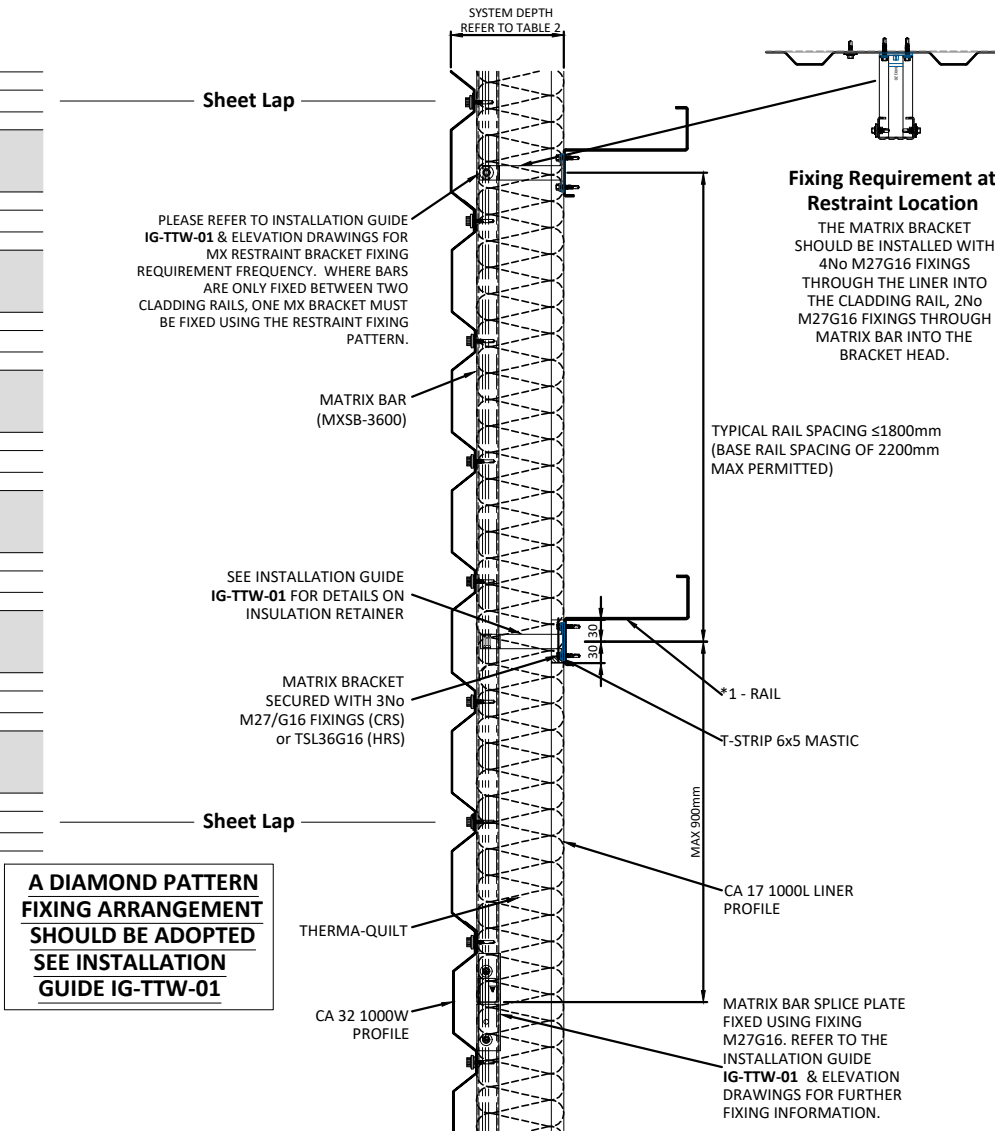
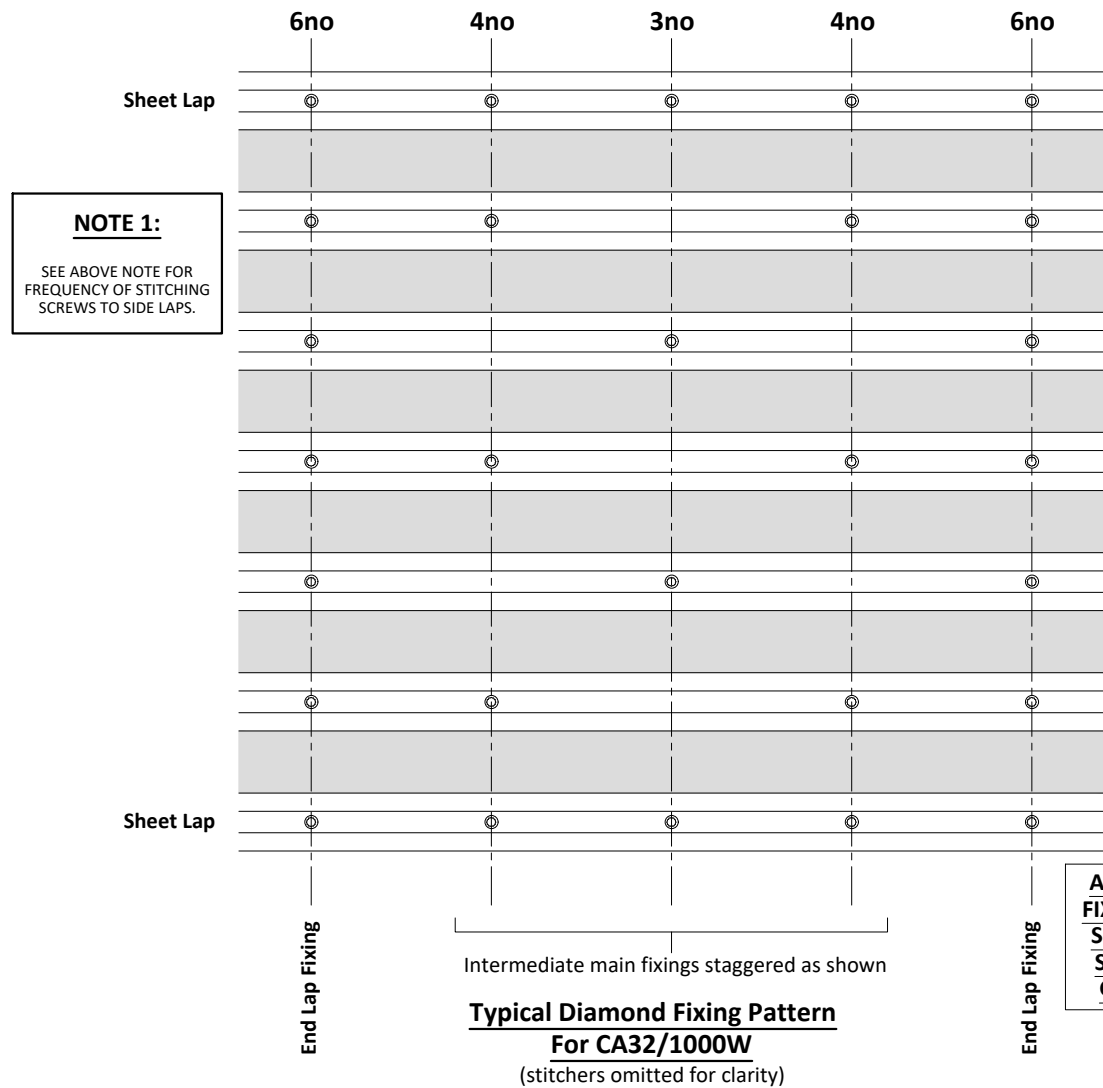
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0003

REVISION: AB





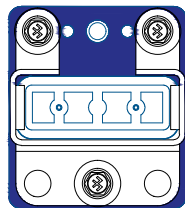
Horizontal Section Through Wall Construction



External Profile Fixing Locations

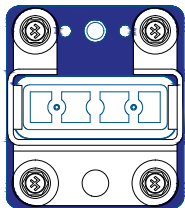
Vertical Section Through Wall Construction

SHEETER NOTE:
ENSURE METAL TABS ARE TOED UP



Standard Matrix Bracket Arrangement
3No M27G16 Fixings For Horizontal Walls

SHEETER NOTE:
ENSURE METAL TABS ARE TOED UP



Restraint Matrix Bracket Arrangement 4No M27G16
Fixings For Horizontal Walls
& 2no. M27G16 Through Matrix Bar Into Bracket Head

Table 2 - Wall U-values and depths

Bracket Ref	Therma-quit	U-Value (W/m²K)	System Depth (mm)
—MX80—	TQ80	0.51	112
—MX100—	TQ100	0.41	132
—MX120—	TQ120	0.35	152
—MX140—	TQ140	0.30	172
—MX160—	TQ160	0.26	192
—MX180—	TQ180	0.24	212
—MX200—	TQ200	0.21	232
—MX220—	TQ220	0.19	252
—MX240—	TQ240	0.18	272
—MX260—	CONTACT	CA GROUP	TECHNICAL DEPARTMENT
—MX280—	CONTACT	CA GROUP	TECHNICAL DEPARTMENT
—MX300—	CONTACT	CA GROUP	TECHNICAL DEPARTMENT

U-values quoted based on average rail spacings of 1500mm and bracket spacing of 1300mm

CA17/1000L Liner Fixing Locations - Base, Head and sheet end terminations
6no Fixings (MG27G16 CRS or TSL36G16 HRS) at locations noted above.

CA17/1000L Liner Fixing Locations - End Laps
5no Fixings (MG27G16 CRS or TSL36G16HRS) at locations noted above.

CA17/1000L Liner Fixing Locations - Intermediate Rails
3no Fixings (MG27G16 CRS or TSL36G16 HRS) at locations noted above.

LINER FIXING ARRANGEMENT

Twin-Therm® Wall Specification - Horizontally Laid External Wall Profiles

This specification drawing is for Chronus Ready[Pat.Pend] specifications and should be read in conjunction with the relevant NBS document and installed as per the installation guides: IG-TT-01 or IG-TT-02.

Component Appraisal (Euroclass to BS EN 13501-1:2018)

Liner	0.4mm CA 17 1000L pre-coated steel. Options for coatings are; - Euroclass 'A1' Colorcoat® PE15
Insulation	- Standard Wall: Euroclass 'A1' Therma-quit glass fibre
Outer	0.5mm or 0.7mm pre-coated steel. Options for coatings are; - Euroclass 'C-s2, d0' Colorcoat HPS200 Ultra® - Euroclass 'A1' Colorcoat Prisma® external profiles shown is CA32/1000W

System Certification

Reaction to Fire	Tested to BRE LPCB test LPS 1181-1 certificate No. 443a: - Twin-Therm® Wall Grade 'EXT-B' / 'EXT-A15' Refer to TIP-201 for mandatory steelwork requirements.
Agrément Acoustics	Kiwa BDA Agrément No. BAE-17-066-S-A-UK. Refer to TIP-401.
Secured By Design	Tested to BRE LPCB test LPS 1175, certificate No. 443d. Refer to TIP-203 for system ratings & associated enhancements. - Not on this contract.

Additional Information

*1 - Refer to TIP-406 for the minimum thickness of purlins / cladding rails.

NOTE :-Twin-Therm® Wall Specification

This cladding on this specification drawing is capable of providing a firewall of up to 240/15 (240mins integrity/15mins insulation)
To achieve this rating the steelwork must also be capable of providing the necessary support for the wall, without detriment to its ability to satisfy the integrity criterion for the required period of 240mins.

The cladding will only supply a firewall to the same level of protection as the steelwork structure up to a maximum 240/15.

NOTE: SEE ELEVATION DRAWING FOR RESTRAINT BRACKET LOCATIONS

System Guarantee	Sealant "A"	Main Fixing	Stitcher
Up to 25 Years	T-strip 9x3	CSSC28/16	CSSS23/16

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	18/09/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham, DL14 9SF
Telephone: (01388) 834542 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

TWINTHERM WALL SPEC
HORIZONTAL CA32/1000W

DRAWN BY: D.O

CHECKED BY:

SCALE: NTS @ A3

DATE: Sept 23

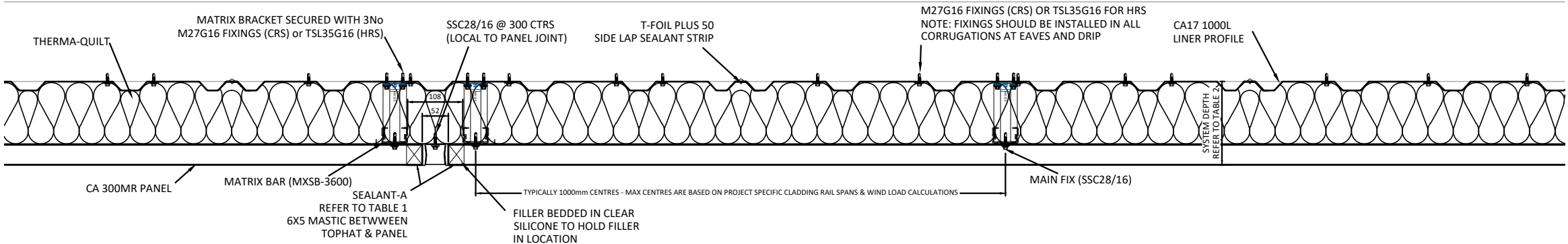
CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0004

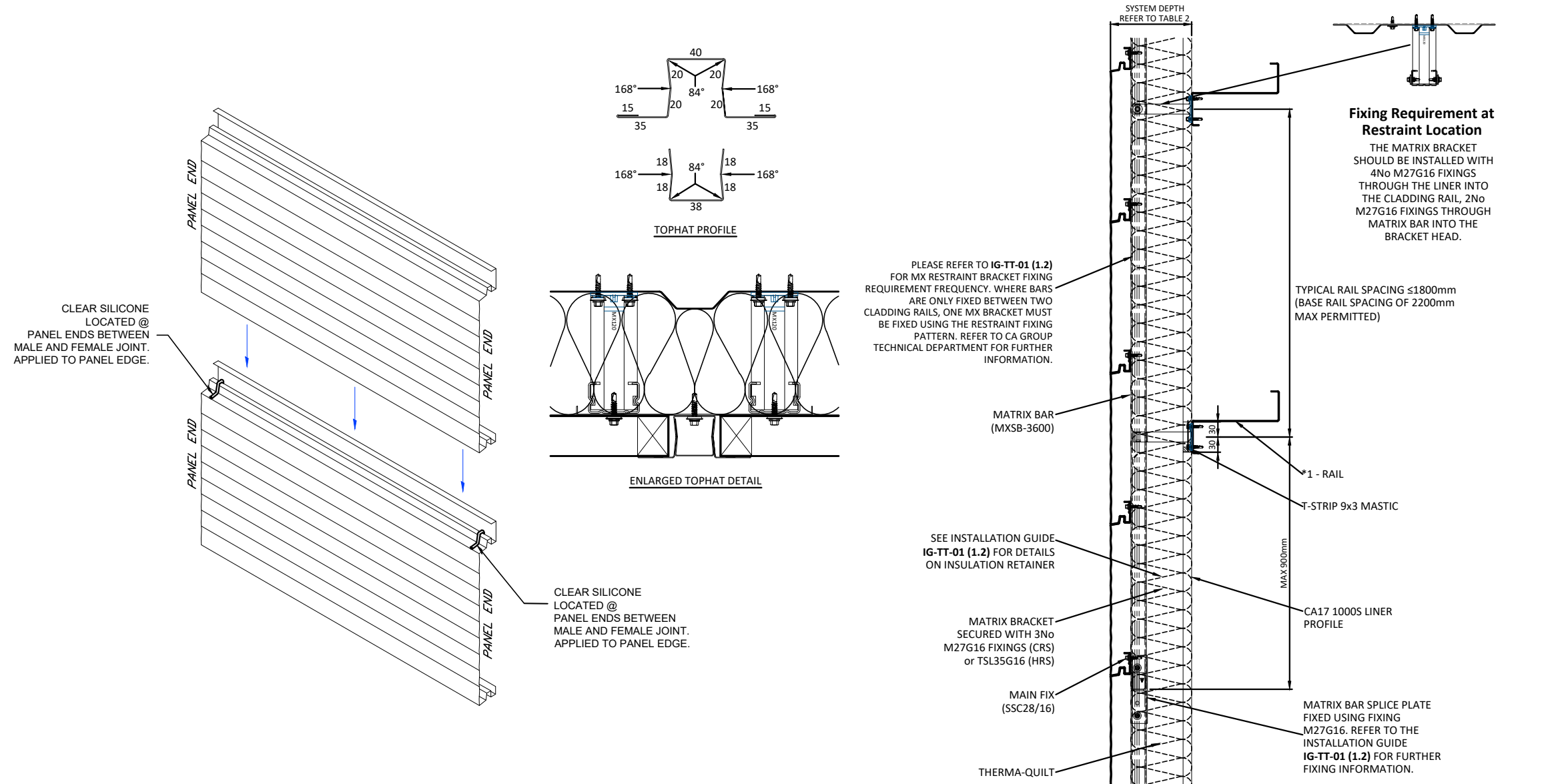
REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.





Horizontal Section Through Wall Construction



Vertical Section Through Wall Construction

NOTE: SEE ELEVATION DRAWING FOR RESTRAINT BRACKET LOCATIONS

System Guarantee	Sealant A	Main Fixing	Ancillary Fixing
Up to 40 years	T-strip 6x5 XL	SSC28/16	CSSC28/16
Up to 25 years	T-strip 6x5	SSC28/16	CSSC28/16

* Alternative T-Butyl Gun Grade

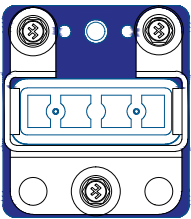
Table 2 - Wall U-values and depths

Bracket Ref	Therma-quilt	U-Value (W/m²K)	System Depth (mm)
MX80	TQ80	0.51	120
MX100	TQ100	0.41	140
MX120	TQ120	0.35	160
MX140	TQ140	0.30	180
MX160	TQ160	0.26	200
MX180	TQ180	0.24	220
MX200	TQ200	0.21	240
MX220	TQ220	0.19	260
MX240	TQ240		
MX260	TQ260		
MX280	TQ280		
MX300	TQ300		

For these construction depths contact
CA Group Technical Department

U-values quoted based on average rail spacings of 1500mm and bar spacing of 1300mm

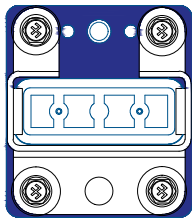
SHEETER NOTE:
ENSURE METAL TABS ARE TOED UP



BLUE BASE BRACKET

Standard Matrix Bracket Arrangement
3No M27G16 Fixings For Horizontal Walls

SHEETER NOTE:
ENSURE METAL TABS ARE TOED UP



Restraint Matrix Bracket Arrangement
4No M27G16 Fixings For Horizontal Walls
+2No M27G16 Through Matrix Bar Into Bracket Head

Twin-Therm® Wall Specification

Twin-Therm® built-up wall system utilising the 0.4mm thick CA 17 1000L liner panel, Matrix spacer system, Therma-quilt insulation (refer to Table 2 for construction depths and U-values) and HPS200 Ultra or Prisma coated external weather sheet. The complete system is guaranteed for up to 40 years; refer to table 1 for guarantee requirements.

System Appraisal

Reaction to Fire: Tested in accordance with LPS 1181 and achieves grade 'EXT-B' certification. Certification No. LPCB 443a.

Surface Spread of Flame:
Liner Panel and weather sheet: Designed 'AA' to BS476:Part 3:2004 being class '0' to BS476:Part 7:1997.

Agrément: Independent verification of all aspects of the system, please consult CA Group Technical Department.

Acoustics: Please consult TIP-401 for weighted sound reduction (Rw) figures.

This specification drawing is for general guidance only and should be read in conjunction with the relevant Twin-Therm® MBS specification and installed as per the Twin-Therm® installation guide: **IG-TT-01 (1.2) & IG-300MR-01**.

- *1 - Refer to TIP-406 on 'Thin gauge purlins' for the minimum thickness of purlins / cladding rails.
- *2 - Additional fixing at liner end laps, head and base.
- *3 - Additional fixing at external end laps, head and base.

NOTE :-Twin-Therm® Wall Specification

This cladding on this specification drawing is capable of providing a firewall of up to 240/15 (240mins integrity/15mins insulation)
To achieve this rating the steelwork must also be capable of providing the necessary support for the wall, without detriment to its ability to satisfy the integrity criterion for the required period of 240mins.

The cladding will only supply a firewall to the same level of protection as the steelwork structure up to a maximum 240/15.

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	18/09/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

**Plot 3
Wingates
Bolton**

TITLE:

**Twin-Therm® Wall Specification
For CA17 1000L Liner Panel, Matrix System,
Glass Fibre Insulation & CA300MR**

DRAWN BY: D.O

CHECKED BY:

SCALE: NTS

DATE: Sept 23

CONTRACT NO: CA2548

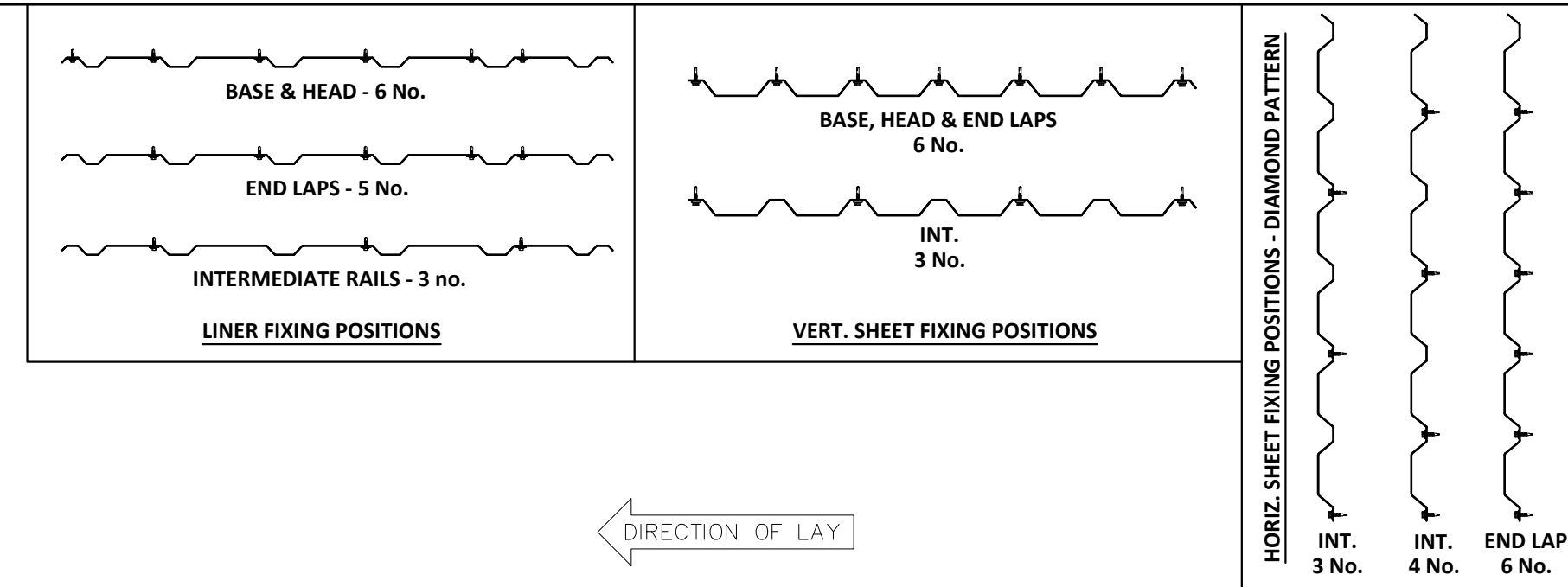
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0005

REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.



ORIGINAL DRAWING SIZE: A1 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



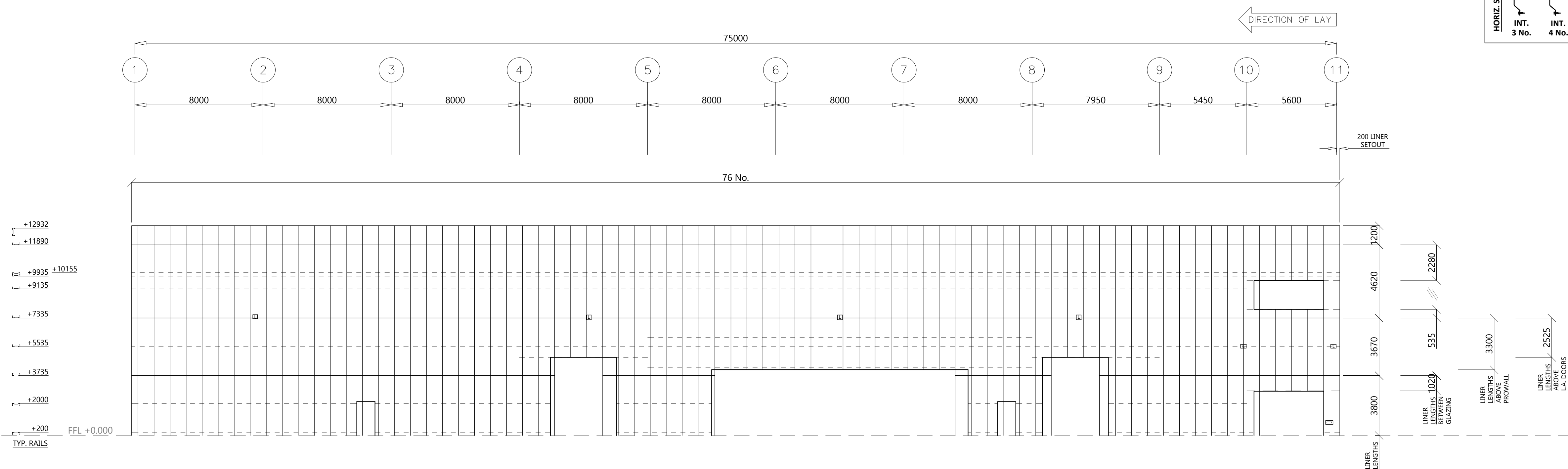
TWINTHERM WALL SPECIFICATION

LINERS:
0.4mm THICK CA17/1000L H-REFLECT WHITE LINER SHEET. SIDE LAPS SEALED WITH THERMAFOIL® -50. END LAPS TO BE SEALED WITH THERMA-STRIP 6x5.

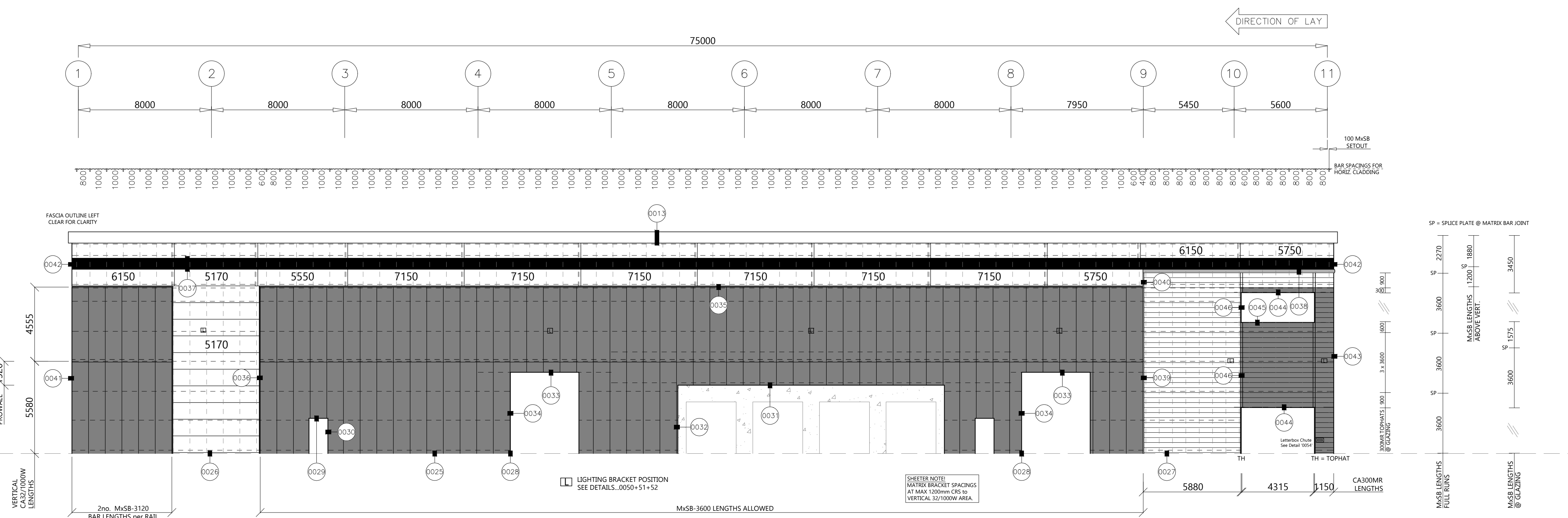
INSULATION:
160mm THICK THERMAQUILT TQ160 GLASS FIBRE INSULATION TOGETHER WITH 'MATRIX' SUPPORT SYSTEM TO ACHIEVE U-VALUE OF 0.26 W/m²K. INSULATION SUPPLIED IN 1200mm WIDE ROLLS. SIDES & ENDS TO BE BUTT JOINTED TIGHTLY TOGETHER TO MAINTAIN MODULE WIDTH OF 1200mm.

FLASHINGS:
0.7mm THICK PRISMA FLASHINGS; COLOUR AS REQUIRED BY DETAIL. ALL EXTERNAL FLASHINGS SIDE & END LAPS SEALED WITH THERMA-STRIP 9x3 / THERMAFOIL®.

FIXINGS:
ALL EXTERNAL WALL FIXINGS ARE STAINLESS STEEL & ALL IN ACCORDANCE WITH A STANDARD TWINTHERM 25 YEAR SYSTEM GUARANTEE & NON-FRAGILE FIXING SPECIFICATION.




G.L. A LINERS




G.L. A ELEVATION

AB	14/5/24	AS BUILT ISSUE	
C02	29/11/23	LIGHTING BRACKET & POST CHUTE POSITIONS ADDED	
C01	17/11/23	ISSUED FOR CONSTRUCTION	
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL	
REV	DATE	DESCRIPTION	




CA Roofing Services A Division of CA Group Ltd Registered in England No: 1745027
 Everwood Industrial Estate, Copeland Road, Everwood, County Durham, DL14 9SF
 Telephone: 01188 834642 Fax: 01188 834646 Website: www.cagroup.co.uk
 Email: kula.stones@cagroup.co.uk


CLIENT:	
PROJECT:	<p>Plot 3 Wingates Bolton</p>
TITLE:	<p>Elevation on Gridline A</p>

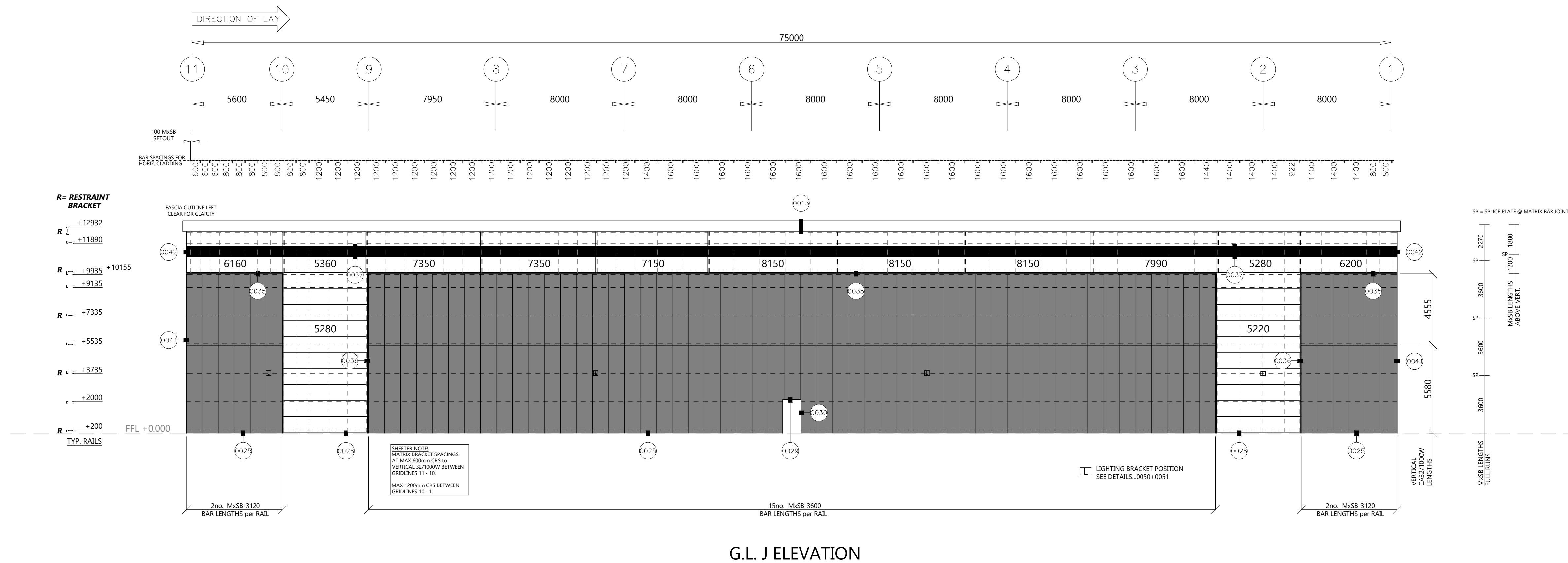
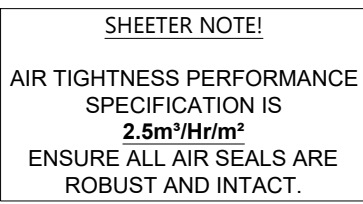
DRAWING BY: <i>L.Stones</i>	CHECKED BY:
SCALE: 1:150 @ A1	DATE: Sept 23
CONTRACT NO: CA2548	
DRAWING NO: <div style="font-size: 24px; font-weight: bold; text-align: center;">P23012-CAR-BR-BZ-DR-X-0021</div>	REVISION <div style="font-size: 24px; font-weight: bold; text-align: center;">AB</div>

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in parts) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

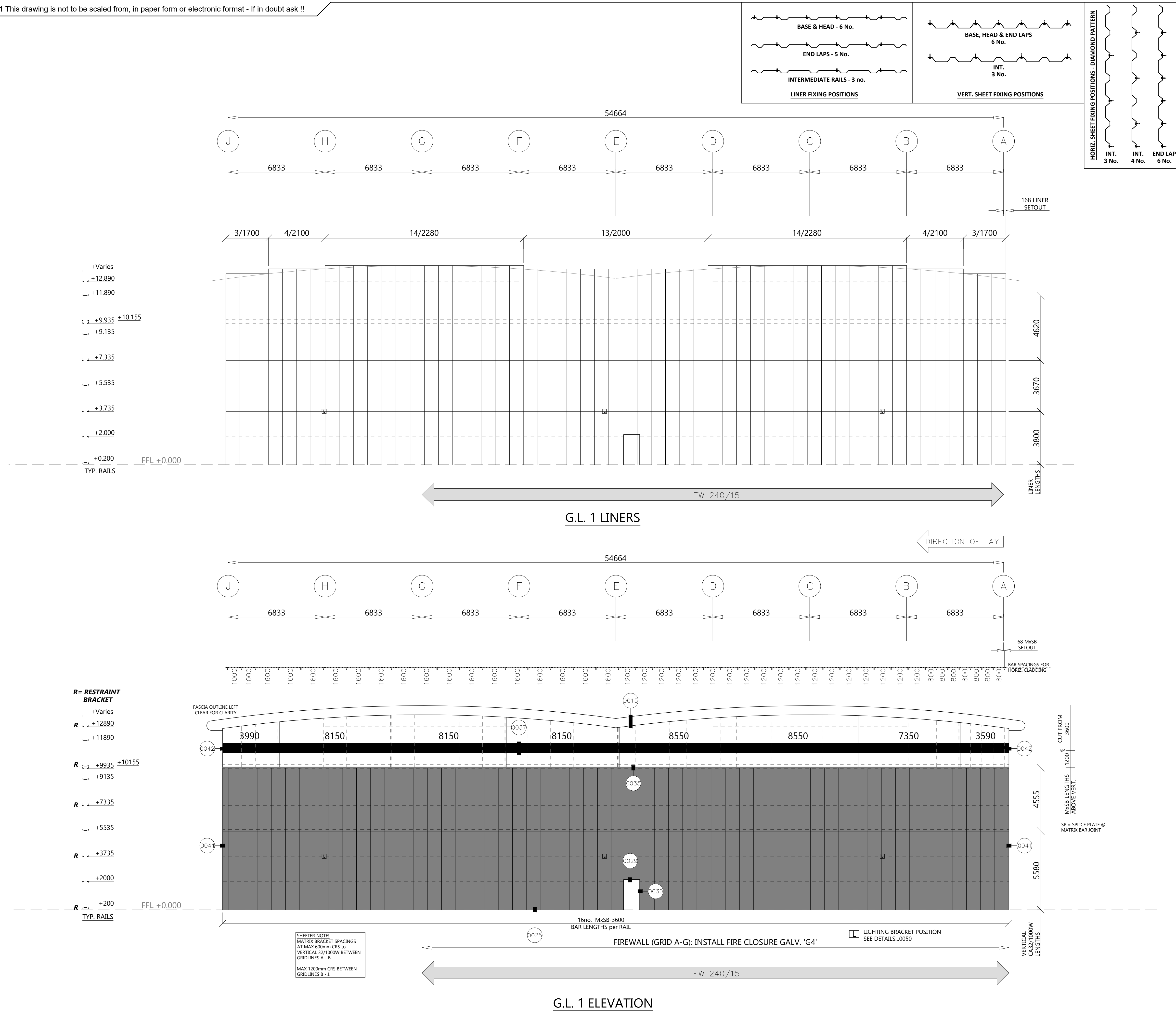


NFRF
LEADING ROOFING EXCELLENCE





ORIGINAL DRAWING SIZE: A1 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



TWINTHERM WALL SPECIFICATION

LINERS:
0.4mm THICK CA17/1000L HI-REFLECT WHITE LINER
SHEET. SIDE LAPS SEALED WITH THERMAFOIL+50. END
LAPS TO BE SEALED WITH THERMA-STRIP 6x5.

INSULATION:
160mm THICK THERMAQUILT TQ160 GLASS FIBRE
INSULATION TOGETHER WITH 'MATRIX' SUPPORT
SYSTEM TO ACHIEVE U-VALUE OF 0.26 W/m²K.
INSULATION SUPPLIED IN 1220mm WIDE ROLLS, SIDES
& ENDS TO BE BUTT JOINTED TIGHTLY TOGETHER TO
MAINTAIN MODULE WIDTH OF 1200mm.

FLASHINGS:
0.7mm THICK PRISMA FLASHINGS; COLOUR AS
REQUIRED BY DETAIL. ALL EXTERNAL FLASHINGS SIDE
END LAPS SEALED WITH THERMA-STRIP 9x3 /
THERMAFOIL+.


FIXINGS:
ALL EXTERNAL WALL FIXINGS ARE STAINLESS STEEL &
ALL IN ACCORDANCE WITH A STANDARD TWINTHERM
25 YEAR SYSTEM GUARANTEE & NON-FRAGILE FIXING
SPECIFICATION

OUTER SHEETS:

 0.7mm thk CA32/1000W
VERTICALLY LAID
HPS200 ANTHRACITE (RAL 7016)

	0.7mm thk CA32/1000W HORIZONTALLY LAID HPS200 WHITE (RAL 9001)
--	----------------------------------------------------------------------

0.7mm thk CA32/1000W
HORIZONTALLY LAID
HPS200 BLACK (RAL 9001)

 0.7mm thk CA300MR
HORIZONTALLY LAID
HPS200 ANTHRACITE (RAL 7016)

0.7mm thk CA300MR
HORIZONTALLY LAID
HPS200 WHITE (RAL 9001)

SHEETER NOTE!
AIR TIGHTNESS PERFORMANCE
SPECIFICATION IS
2.5m³/Hr/m²
ENSURE ALL AIR SEALS ARE
ROBUST AND INTACT.

AB	14/5/24	LIGHTING BRACKET POSITIONS ADDED
C02	29/11/23	LIGHTING BRACKET POSITIONS ADDED
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
 Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
 Email: luke.stones@cagroup.co.uk

CLIENT

WINVIC

PROJECT

Plot 3 Wingates Bolton

TITLE

Elevation on Gridline 1

DRAWN BY:

L. Stones

SCALE: 1

CONTRACT NO: CA2548

DRAWING NO:	REVISION
P23012-CAR-BR-77-DR-X-0023	AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway (in whole or in part) without the express written permission of CA Roofing Services.



FIXING REQUIRED EITHER SIDE OF BUTT JOINT IF TOP LEG IS 60mm OR GREATER. RIVET AT 75mm C/C MAX. ENSURE THESE ARE BEHIND LINE OF MASTIC SEAL



UNVENTED FOAM FILLER
BEDDED ON GUN
GRADE BUTYL MASTIC

A2 BASE DRIP
0.7mm thk HPS200
ANTHRACITE RAL7016

+0.060 BTM OF SHEET

+0.005 DRI

A1 INSULATION RETAINER
0.7mm thk HPS200
ANTHRACITE RAL7016

0.7mm CA32/1000W - VERT.
HPS200 ANTHRACITE RAL7016

0.4mm CA17/1000L
HI-REFLECT WHITE

LINER FILLER SEALED
FRONT & BACK w/
GUN GRADE BUTYL

BASE CLOSURE
0.7mm thk GALV.
SEAL ALL JOINTS & DOWN
TO EDGE BEAM w/ T-FOIL+50

CONTINUOUS BEAD OF GUN GRADE BUTYL MASTIC BETWEEN CLOSURE FLASHING & PFC GROUND BEAM

T-FOIL+ 50

40



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3 Wingates Bolton

TITLE:

Base Detail
Vertical 32/1000W

DRAWN BY: *I Stones*

CHECKED BY:

SCALE: 1:2.5 @ A3

DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO:	REVISION:
P23012-CAR-BR-ZZ-DR-X-0025	

AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services.

This drawing remains the property of CA Roofing Services and must be returned upon request.

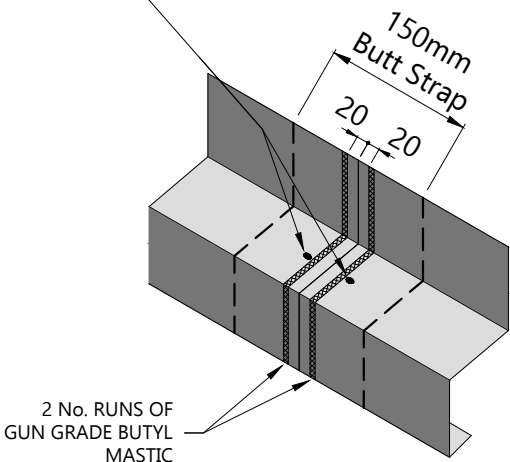
NFRC
LEADING ROOFING EXCELLENCE

ISO 9001
FSI 06661

ISO 14001
FMS 523506

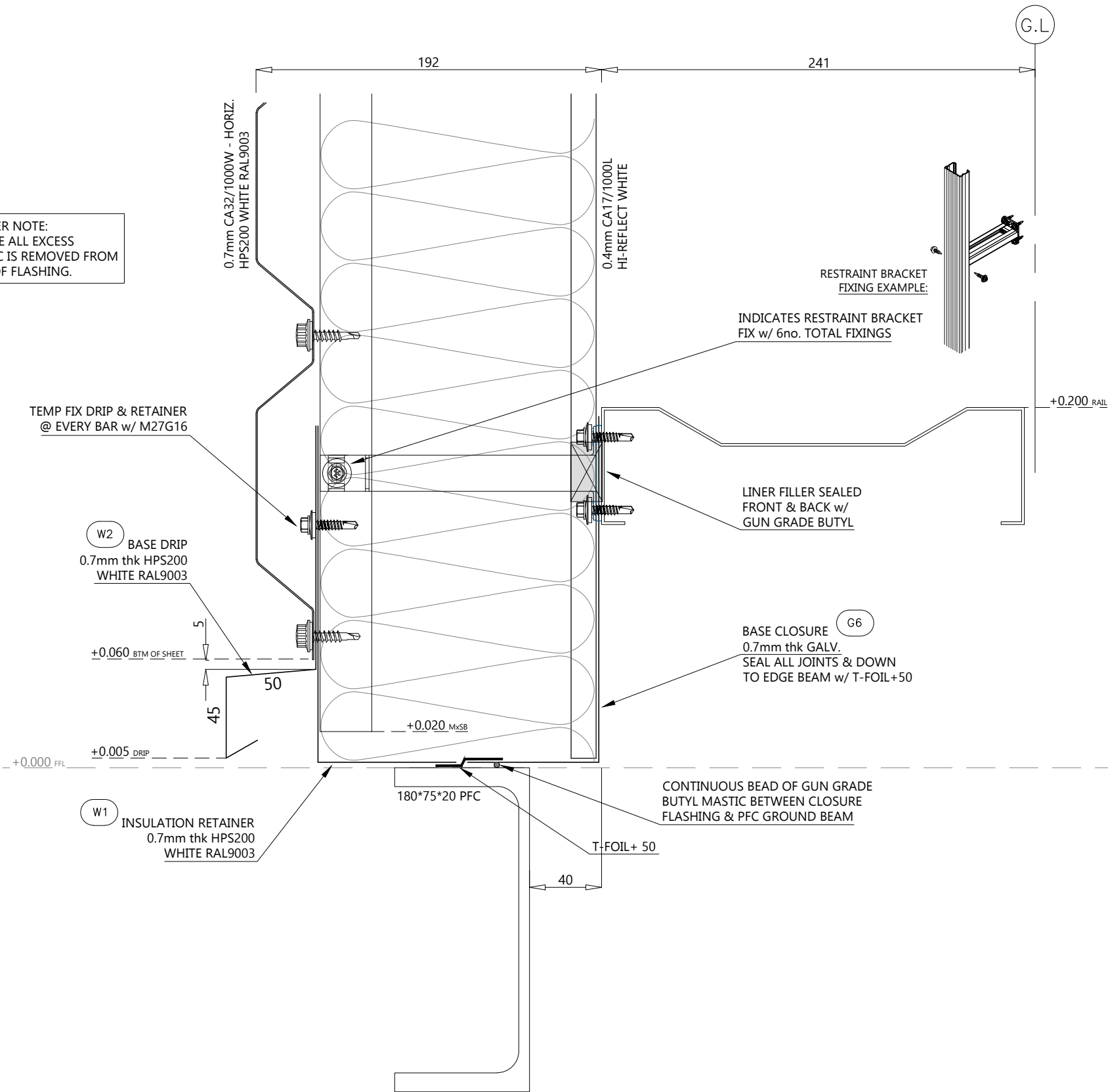
ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!





FIXING REQUIRED EITHER SIDE OF BUTT JOINT IF TOP LEG IS 60mm OR GREATER. RIVET AT 75mm C/C MAX. ENSURE THESE ARE BEHIND LINE OF MASTIC SEAL



**DRIP FLASHING FIXING
AND SEALING SPEC**

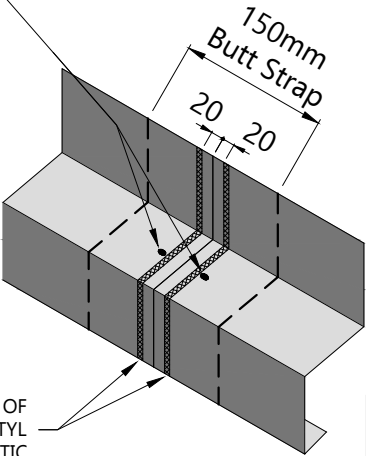
SHEETER NOTE:
ENSURE ALL EXCESS
MASTIC IS REMOVED FROM
FACE OF FLASHING.



AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
PD1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div> <div>CA Roofing Services - A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9GF Telephone: 01388 834242 Fax: 01388 834546 Website: www.cagroup.co.uk Email: iulie.stones@cagroup.co.uk</div>		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Base Detail Horizontal 32/1000W		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:2.5 @ A3		DATE: Sept 23
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0026	REVISION: AB	
<p>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</p> <div><div><div>LEADING ROOFING EXCELLENCE</div></div><div><div>ISO 9001 PS 10446</div></div><div><div>ISO 14001 EMS 073026</div></div></div>		

ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!

FIXING REQUIRED EITHER SIDE OF BUTT JOINT IF TOP LEG IS 60mm OR GREATER.
RIVET AT 75mm C/C MAX. ENSURE THESE ARE BEHIND LINE OF MASTIC SEAL



2 No. RUNS OF GUN GRADE BUTYL MASTIC

DRIP FLASHING FIXING AND SEALING SPEC

SHEETER NOTE:
ENSURE ALL EXCESS MASTIC IS REMOVED FROM FACE OF FLASHING.

TEMP FIX DRIP & RETAINER
@ EVERY BAR w/ M27G16

300MR STARTER CLIP
0.7mm thk HPS200
FIXED w/ SSC28/16 @
EVERY BAR & RIVET TO
DRIP FLASH @ 450mm crs

(W2) (A2) BASE DRIP
0.7mm thk HPS200
ANTHRACITE / WHITE

+0.060 BTM OF SHEET

5

45

50

+0.000 FFL

+0.005 DRIP

(W1) (A1)

INSULATION RETAINER
0.7mm thk HPS200
ANTHRACITE / WHITE

180*75*20 PFC

T-FOIL+ 50

40

0.7mm CA300MR - HORIZ.
HPS200 WHITE / ANTHRACITE

0.4mm CA17/1000L
HI-REFLECT WHITE

INDICATES RESTRAINT BRACKET
FIX w/ 6no. TOTAL FIXINGS

RESTRAINT BRACKET
FIXING EXAMPLE:

LINER FILLER SEALED
FRONT & BACK w/
GUN GRADE BUTYL

(G6) BASE CLOSURE
0.7mm thk GALV.
SEAL ALL JOINTS & DOWN
TO EDGE BEAM w/ T-FOIL+50

G.L

+0.200 RAIL

+0.020 MxSB

AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01380) 834242 Fax: (01380) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: Base Detail Horizontal 300MR

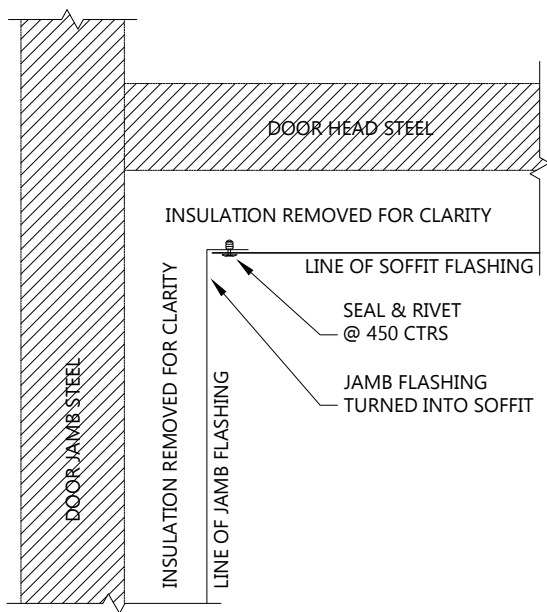
DRAWN BY: L.Stones CHECKED BY: DATE: Sept 23

SCALE: 1:2.5 @ A3

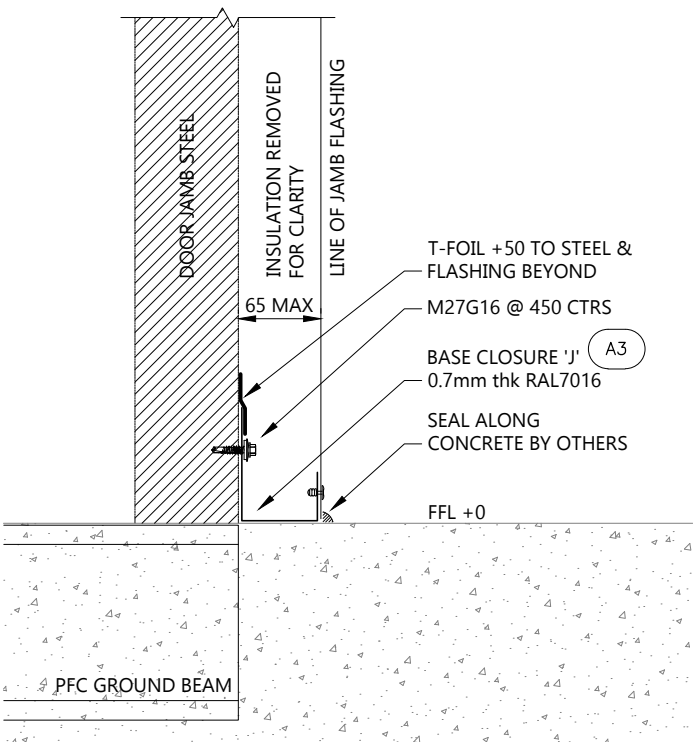
CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0027 REVISOR: AB

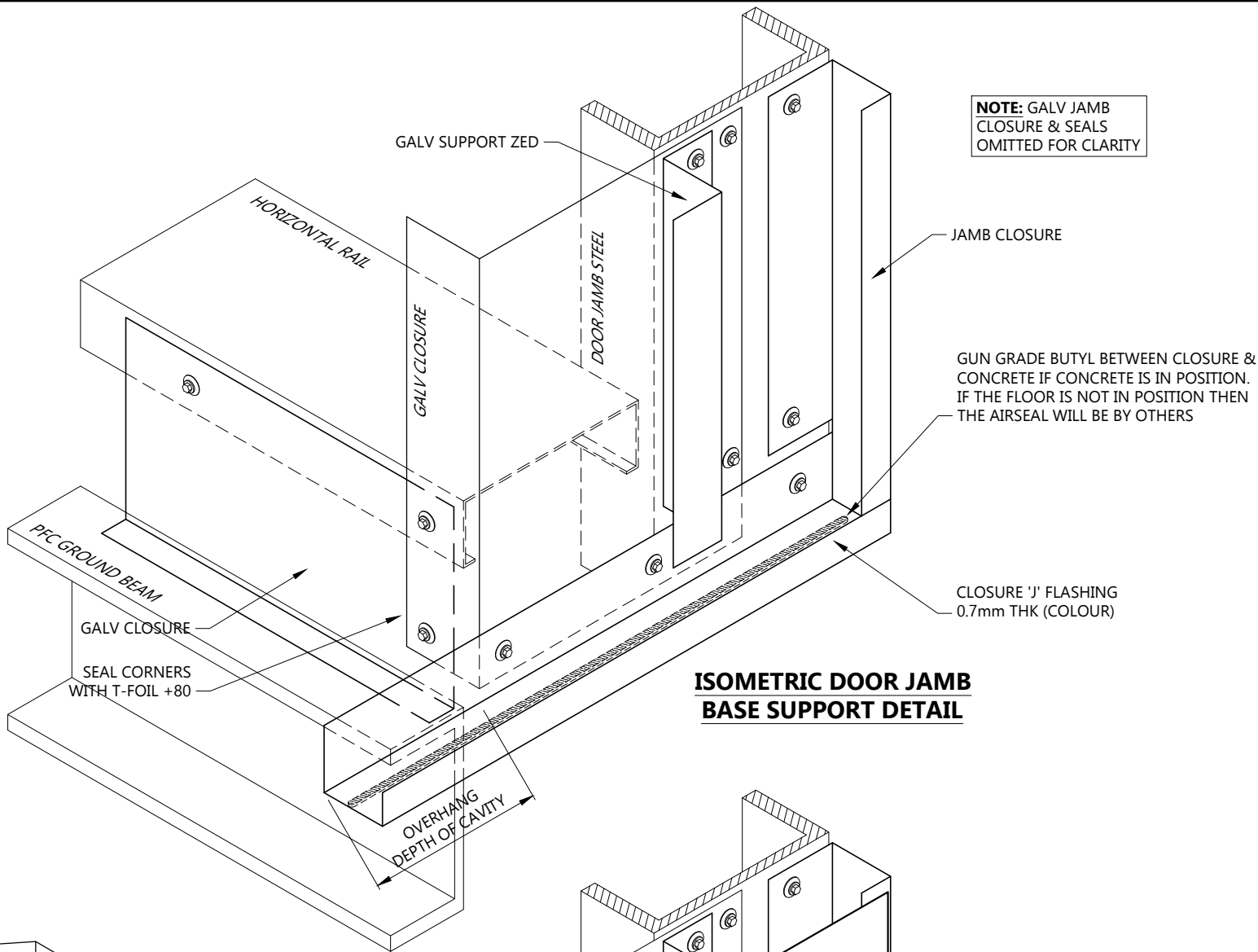
LEADING ROOFING EXCELLENCE



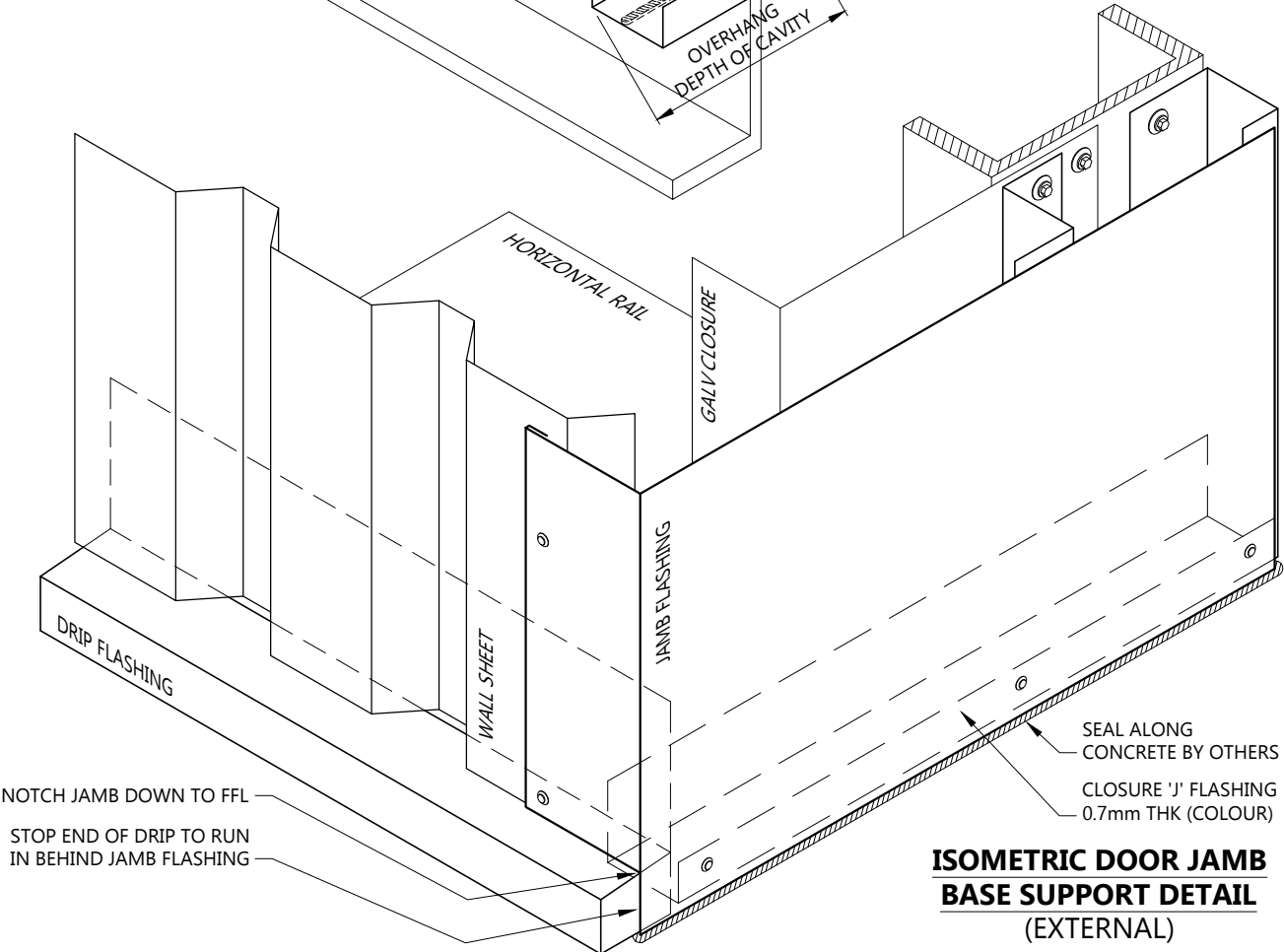
DOOR JAMB INTO HEAD DETAIL



DOOR JAMB BASE DETAIL



ISOMETRIC DOOR JAMB BASE SUPPORT DETAIL



ISOMETRIC DOOR JAMB BASE SUPPORT DETAIL (EXTERNAL)

AB	14/5/24	AS BUILT ISSUE
CD	17/10/23	ISSUED FOR CONSTRUCTION
PD	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01188) 846242 Fax: (01188) 846246 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Base Detail @ Level Access Doors**

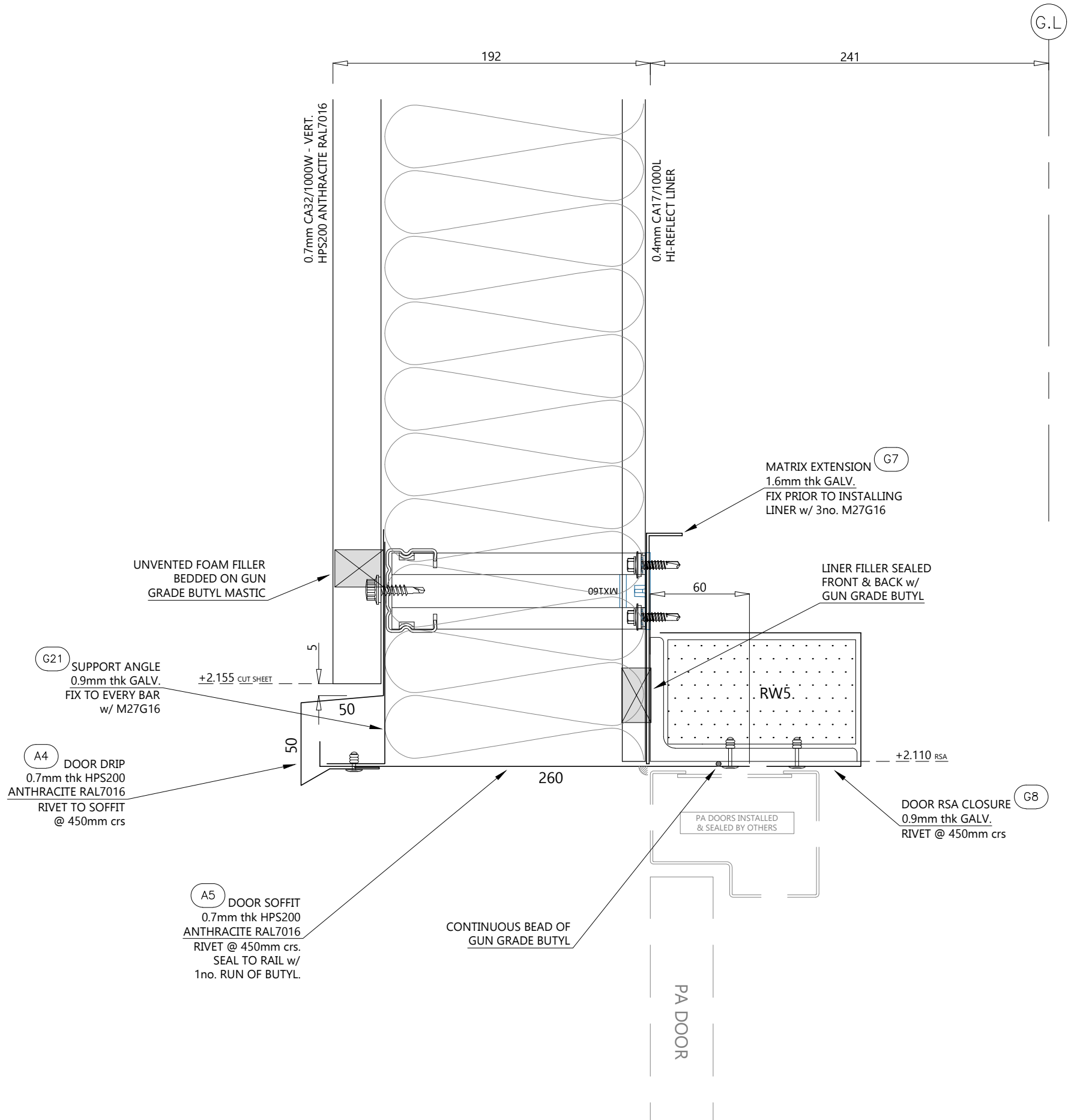
DRAWN BY: **L.Stones** CHECKED BY: **AB**

SCALE: **1:2.5 @ A3** DATE: **Sept 23**

CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0028** REVISION: **AB**

LEADING ROOFING EXCELLENCE ISO 9001 PS 10446 ISO 14001 SAS 275026



AB	14/5/24	AS BUILT ISSUE
C02	23/10/23	G21 SUPPORT ANGLE ADDED
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA | RS

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: (01388) 824242 Fax: (01388) 824546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Personnel Door Head Detail Vertical Cladding**

DRAWN BY: **L.Stones** CHECKED BY: **AB**

SCALE: **1:2.5 @ A3** DATE: **Sept 23**

CONTRACT NO: **CA2548**

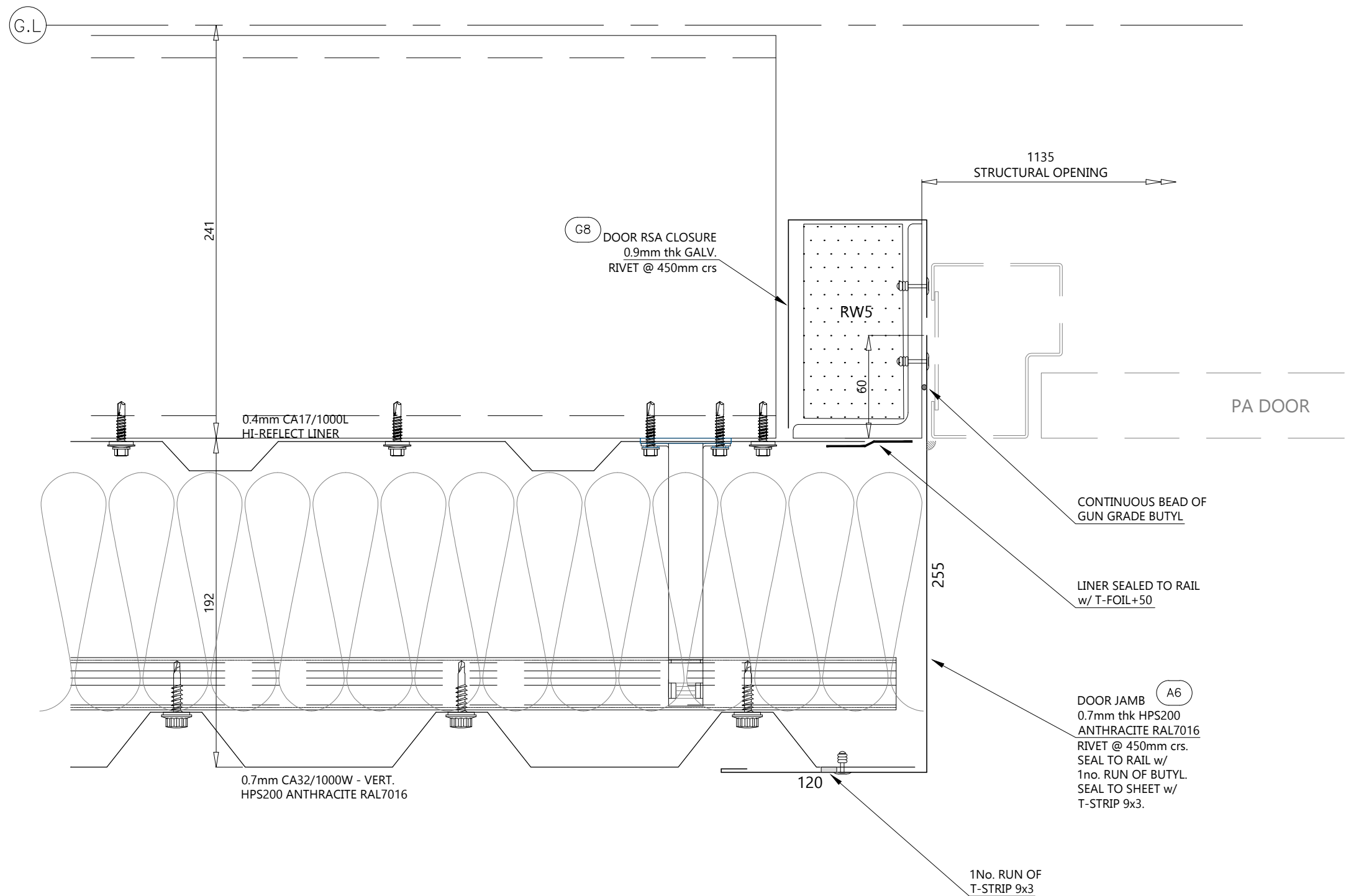
DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0029** REVISION: **AB**





© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

NFRC
LEADING ROOFING EXCELLENCE

ISO 9001
FS 10446

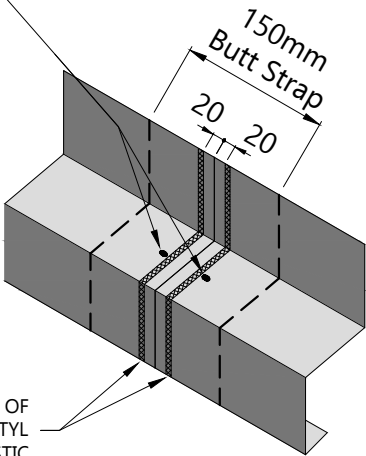
ISO 14001
EMS 573006



AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
PD1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div> <div>CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF Telephone: 01188 834242 Fax: 01188 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</div>		
CLIENT:	WINVIC	
PROJECT:	Plot 3 Wingates Bolton	
TITLE:	Personnel Door Jamb Detail Vertical Cladding	
DRAWN BY:	L.Stones	CHECKED BY:
SCALE:	1:2.5 @ A3	DATE: Sept 23
CONTRACT NO:	CA2548	
DRAWING NO:	P23012-CAR-BR-ZZ-DR-X-0030	REVISION:
		AB
<p>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</p>		
 <div>LEADING ROOFING EXCELLENCE</div>		<div><div>ISO 9001 PS 10446</div><div>ISO 14001 EMS 573006</div></div>

ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!

FIXING REQUIRED EITHER SIDE OF BUTT JOINT IF TOP LEG IS 60mm OR GREATER. RIVET AT 75mm C/C MAX. ENSURE THESE ARE BEHIND LINE OF MASTIC SEAL



2 No. RUNS OF GUN GRADE BUTYL MASTIC

DRIP FLASHING FIXING AND SEALING SPEC

SHEETER NOTE:
ENSURE ALL EXCESS MASTIC IS REMOVED FROM FACE OF FLASHING.

G10 FIXING ANGLE
1.2mm thk GALV.
TEMP RIVET TO BAR
PRIOR TO SHEET INSTALL

UNVENTED FOAM FILLER
BEDDED ON GUN
GRADE BUTYL MASTIC

A7 PROWALL DRIP
0.7mm thk HPS200
ANTHRACITE RAL7016
RIVET TO ANGLE &
SOFFIT @ 450mm crs

A8 PROWALL SOFFIT
0.7mm thk HPS200
ANTHRACITE RAL7016
SEAL TO PROWALL
w/ T-STRIP 9x3

0.7mm CA32/1000W - VERT.
HPS200 ANTHRACITE RAL7016

0.4mm CA17/1000L
HI-REFLECT LINER

LINER FILLER SEALED
FRONT & BACK w/
GUN GRADE BUTYL

LINER CLOSURE G9
0.7mm thk GALV.
END LAP 150mm &
SEAL w/ T-FOIL+50

GALV. SEALED TO PROWALL
w/ 1no. RUN OF T-FOIL+50
& GUN GRADE BUTYL

+4.250 RAIL

+4.100 PROWALL

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: 01388 844242 Fax: 01388 844546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: Prowall Head Detail

DRAWN BY: L.Stones CHECKED BY:

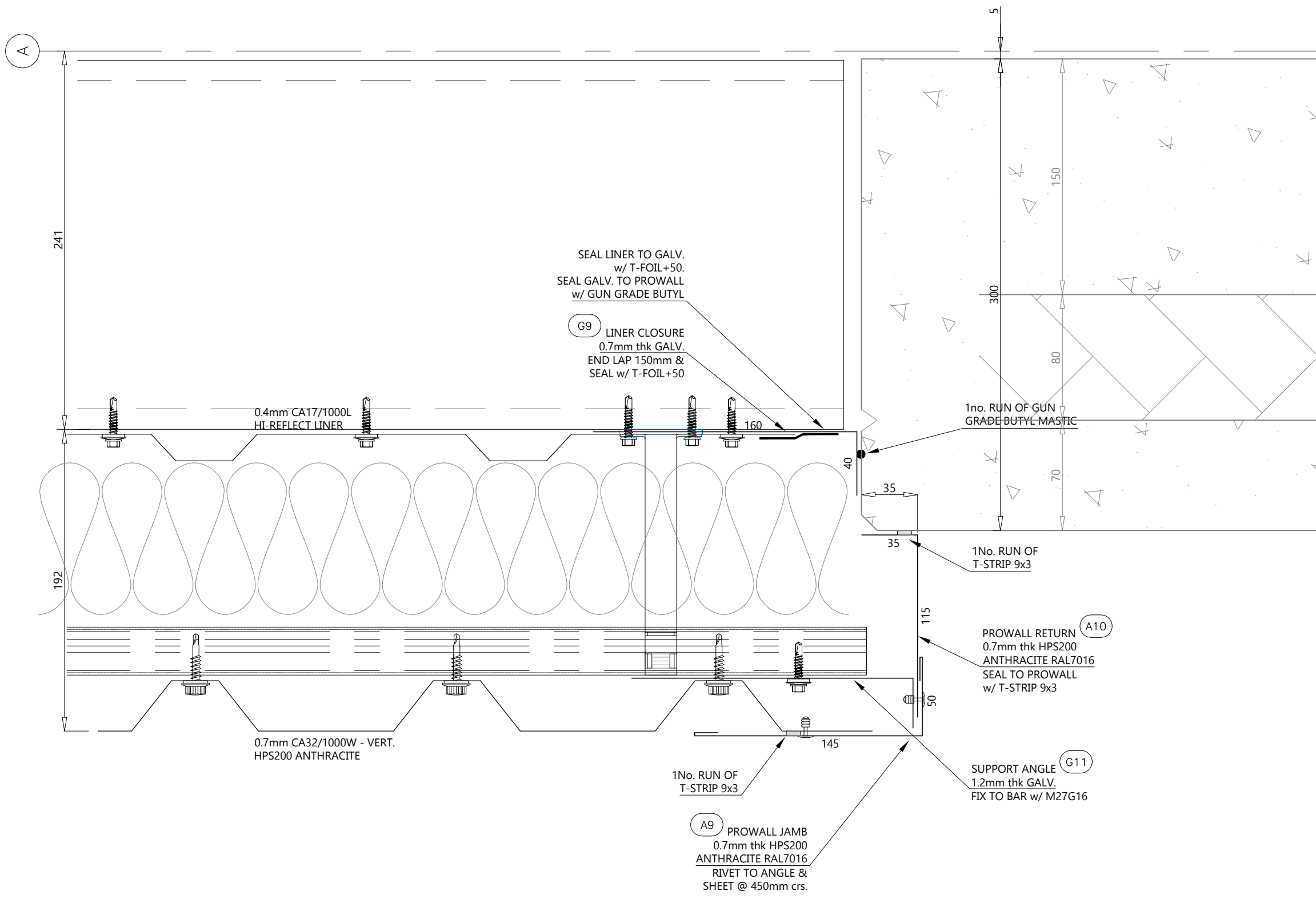
SCALE: 1:2.5 @ A3 DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0031

REVISION: AB





AB	14/5/24	AS BUILT ISSUE
COI	17/10/23	ISSUED FOR CONSTRUCTION
POI	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham, DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Prowall Jamb Detail**

DRAWN BY: **L.Stones** CHECKED BY:

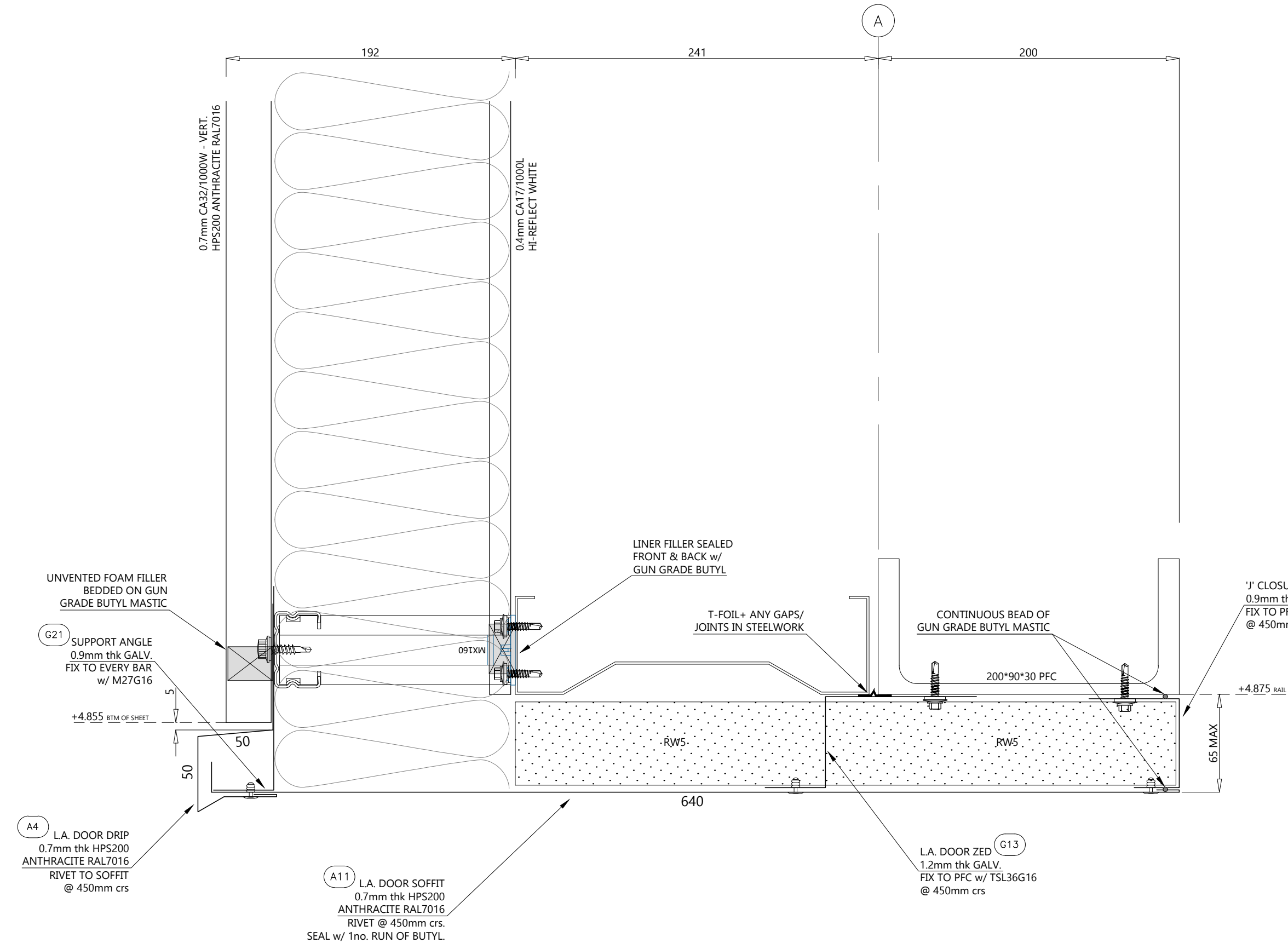
SCALE: **1:2.5 @ A3** DATE: **Sept 23**

CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0032** REVISION: **AB**

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

LEADING ROOFING EXCELLENCE
ISO 9001
PS 10446
ISO 14001
EMS 573506



AB	14/5/24	AS BUILT ISSUE
COO	23/10/23	G21 SUPPORT ANGLE ADDED
CO1	17/10/23	ISSUED FOR CONSTRUCTION
RO1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: 01388 834242 Fax: 01388 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: L.A. Door Head Detail

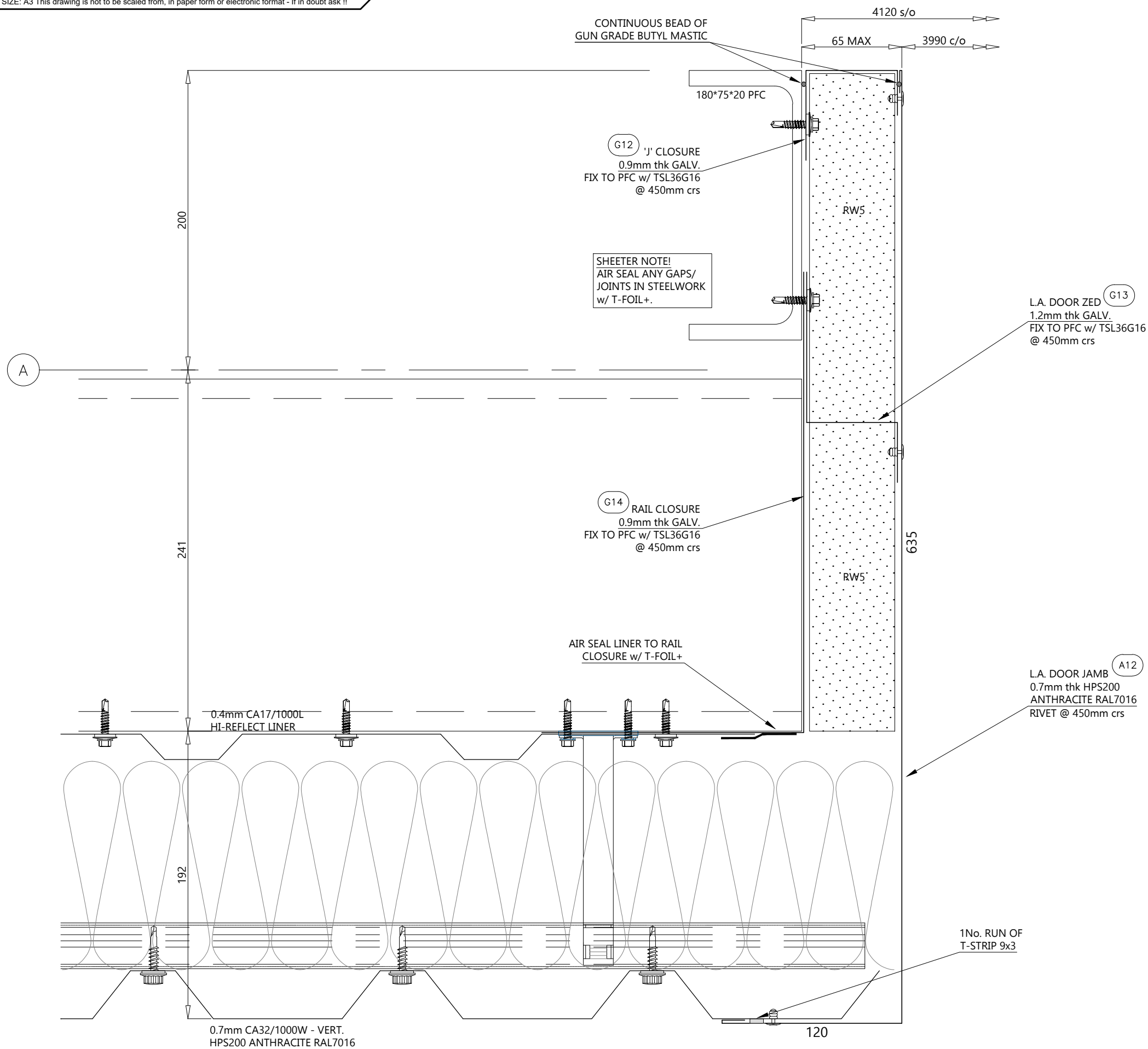
DRAWN BY: L.Stones CHECKED BY: DATE: Sept 23





SCALE: 1:2.5 @ A3 CONTRACT NO: CA2548

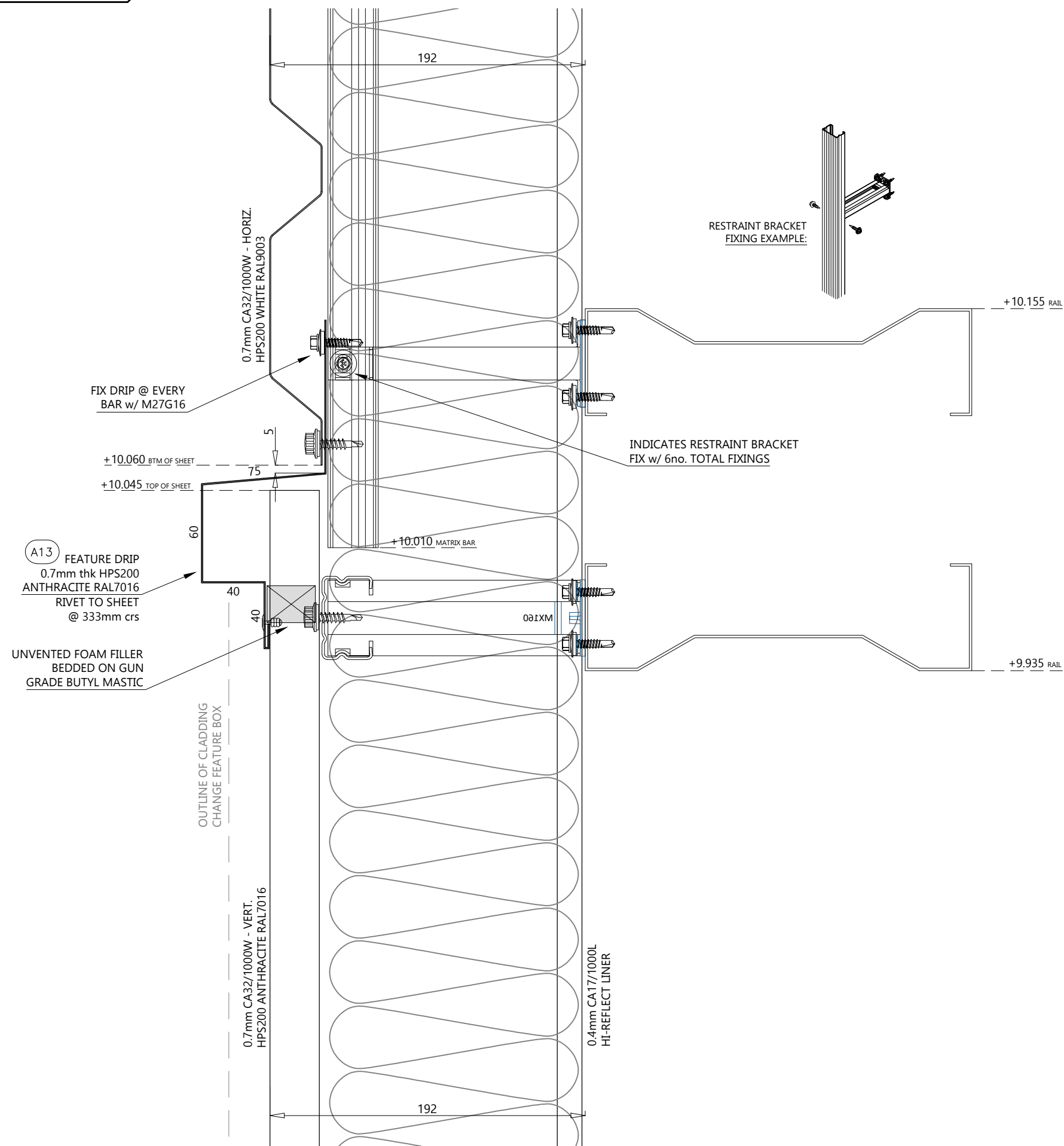
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0033 REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

NFRC LEADING ROOFING EXCELLENCE ISO 9001 PS 10446 ISO 14001 EMS 573506



AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div>		
<div>CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham, DL14 9SF Telephone: 01388 834242 Fax: 01388 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</div>		
CLIENT:		
WINVIC		
PROJECT:		
Plot 3 Wingates Bolton		
TITLE:		
L.A. Door Jamb Detail		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:2.5 @ A3	DATE: Sept 23	
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0034		REVISION: AB
<p>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</p>		
 <div>LEADING ROOFING EXCELLENCE</div>		<div><div>ISO 9001 FS 10446</div><div>ISO 14001 EMAS 275506</div></div>



AB	14/5/24	AS BUILT ISSUE
CD	17/10/23	ISSUED FOR CONSTRUCTION
PD	06/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham, DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Vertical to Horizontal Cladding Section**

DRAWN BY: **L.Stones** CHECKED BY: **L.Stones**

SCALE: **1:2.5 @ A3** DATE: **Sept 23**

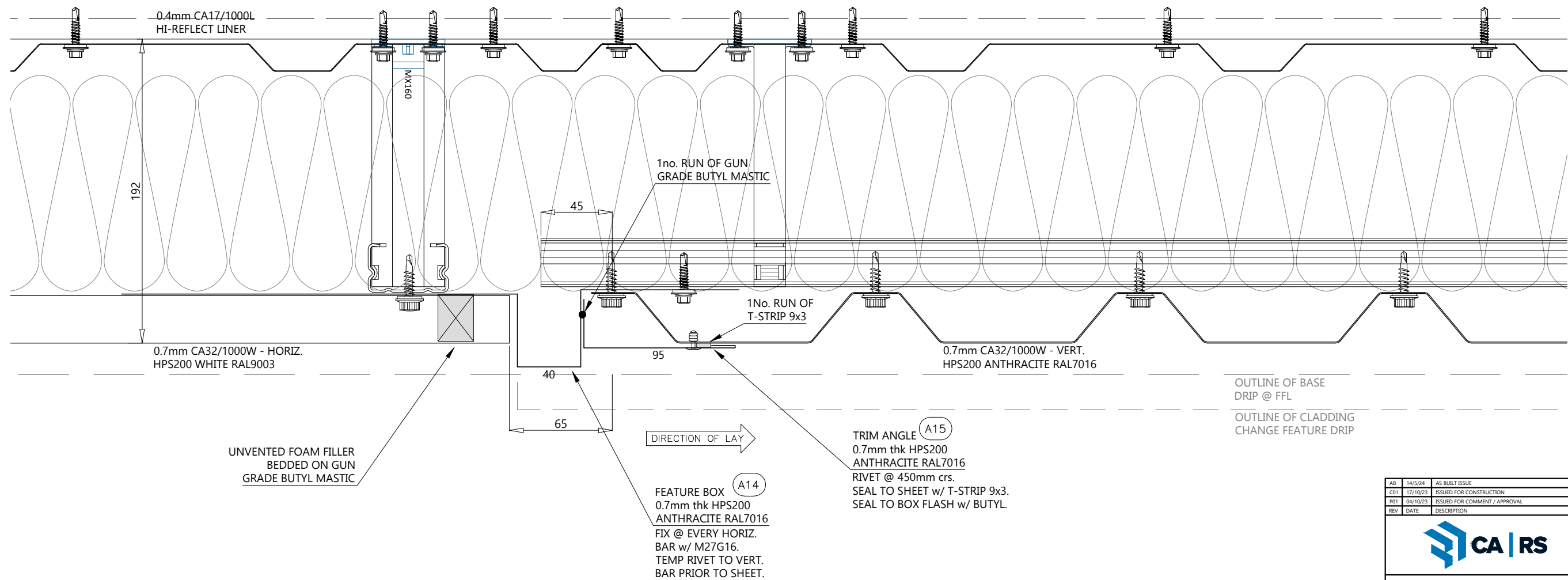
CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0035** REVISION: **AB**

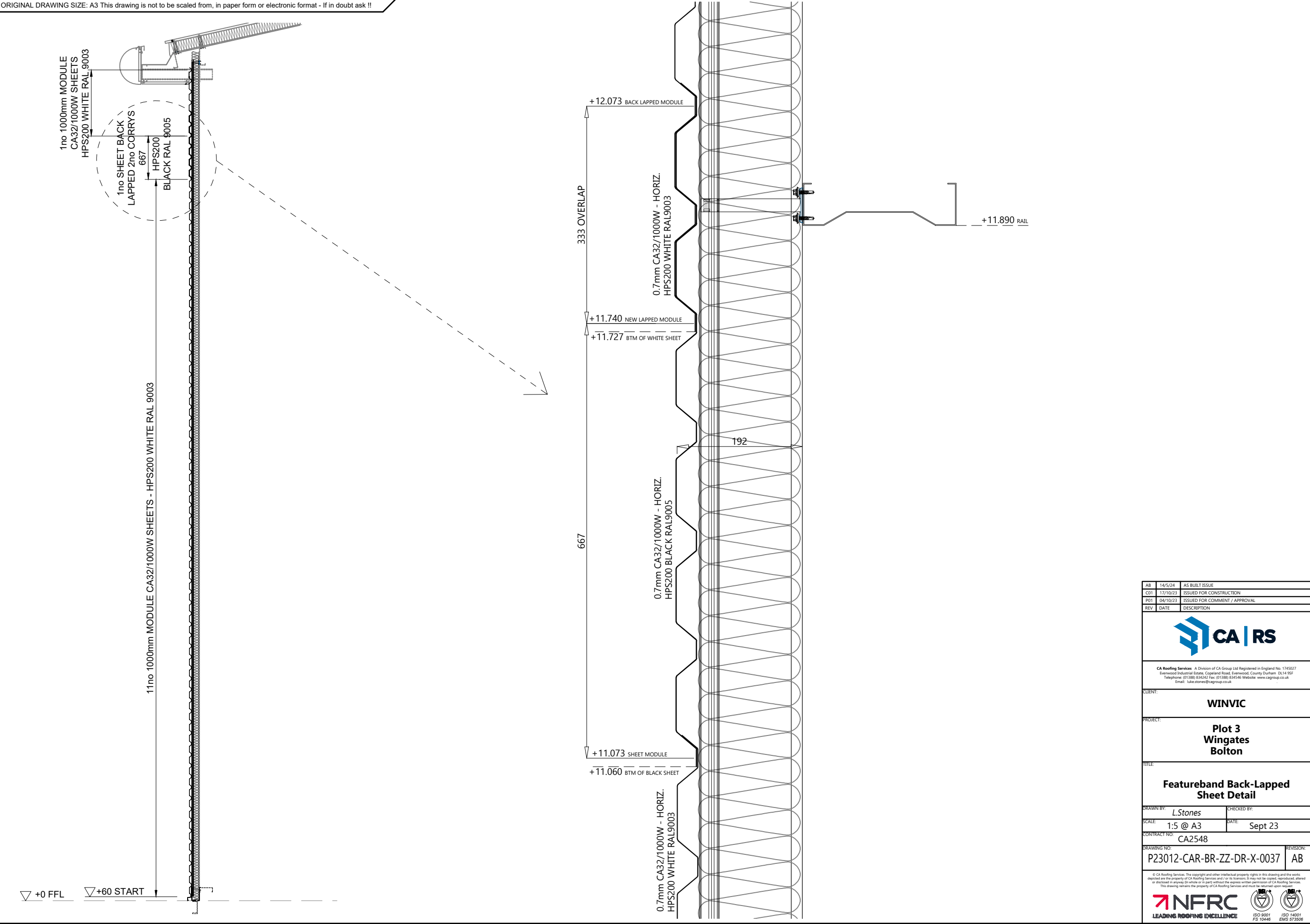
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.





LEADING ROOFING EXCELLENCE

ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!

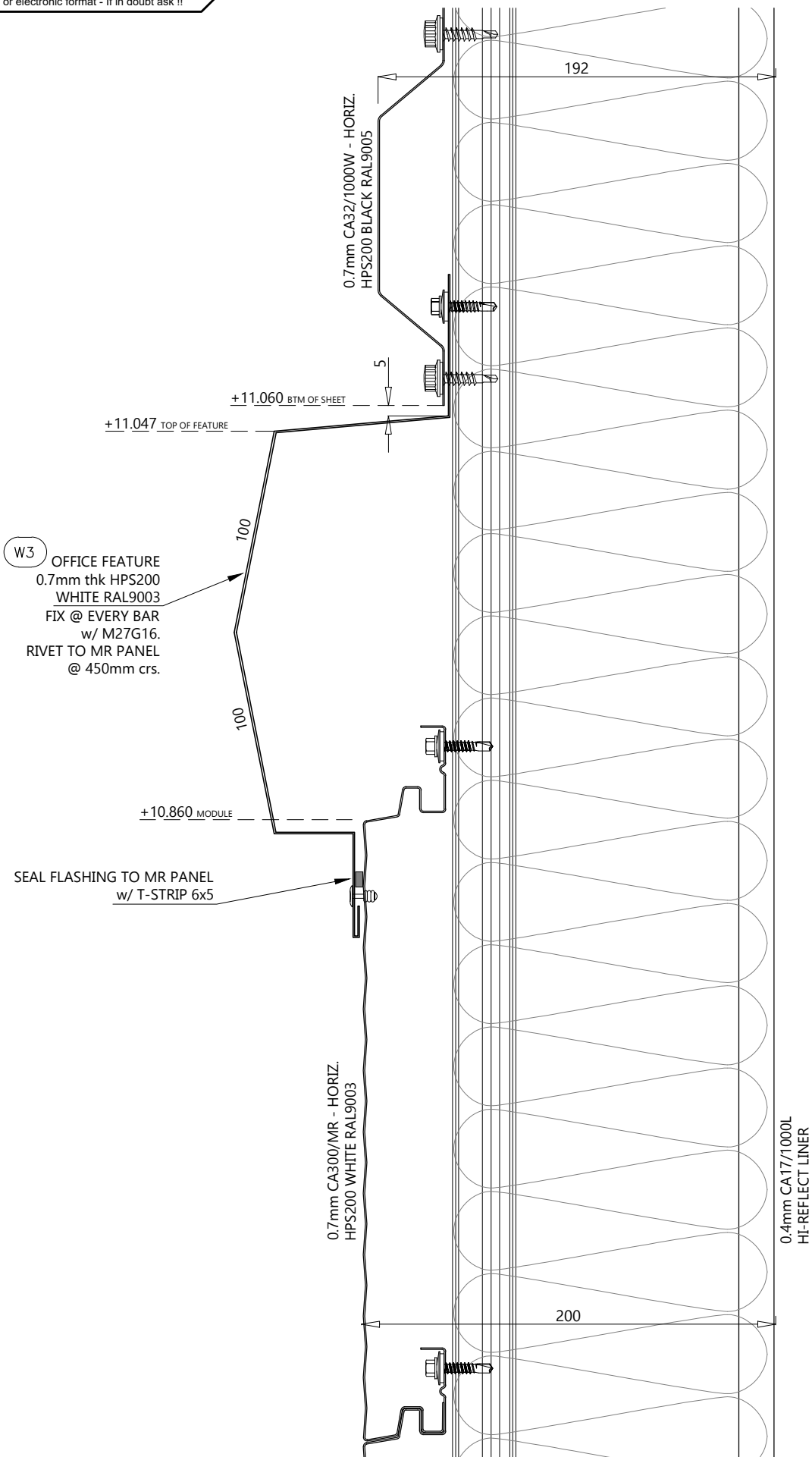


AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
CA Roofing Services - A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF Telephone: 01380 834362 Fax: 01380 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Vertical to Horizontal Cladding Plan		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:2.5 @ A3		DATE: Sept 23
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0036		REVISION: AB
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.		
NFRC LEADING ROOFING EXCELLENCE ISO 9001 ISO 14001		



AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
PD1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div> <div>CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF Telephone: (01388) 834262 Fax: (01388) 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</div>		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Featureband Back-Lapped Sheet Detail		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:5 @ A3	DATE: Sept 23	
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0037		REVISION: AB
<p><small>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works described are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</small></p>		
 <div>LEADING ROOFING EXCELLENCE</div>		<div><div>ISO 9001 FS 10446</div><div>ISO 14001 EMS 37360</div></div>

ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



AB	14/5/24	AS BUILT ISSUE
CDT	17/10/23	ISSUED FOR CONSTRUCTION
PDT	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Liverswood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834548 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: 300MR to Featureband Sheet Section

DRAWN BY: L.Stones

CHECKED BY:

SCALE: 1:2.5 @ A3

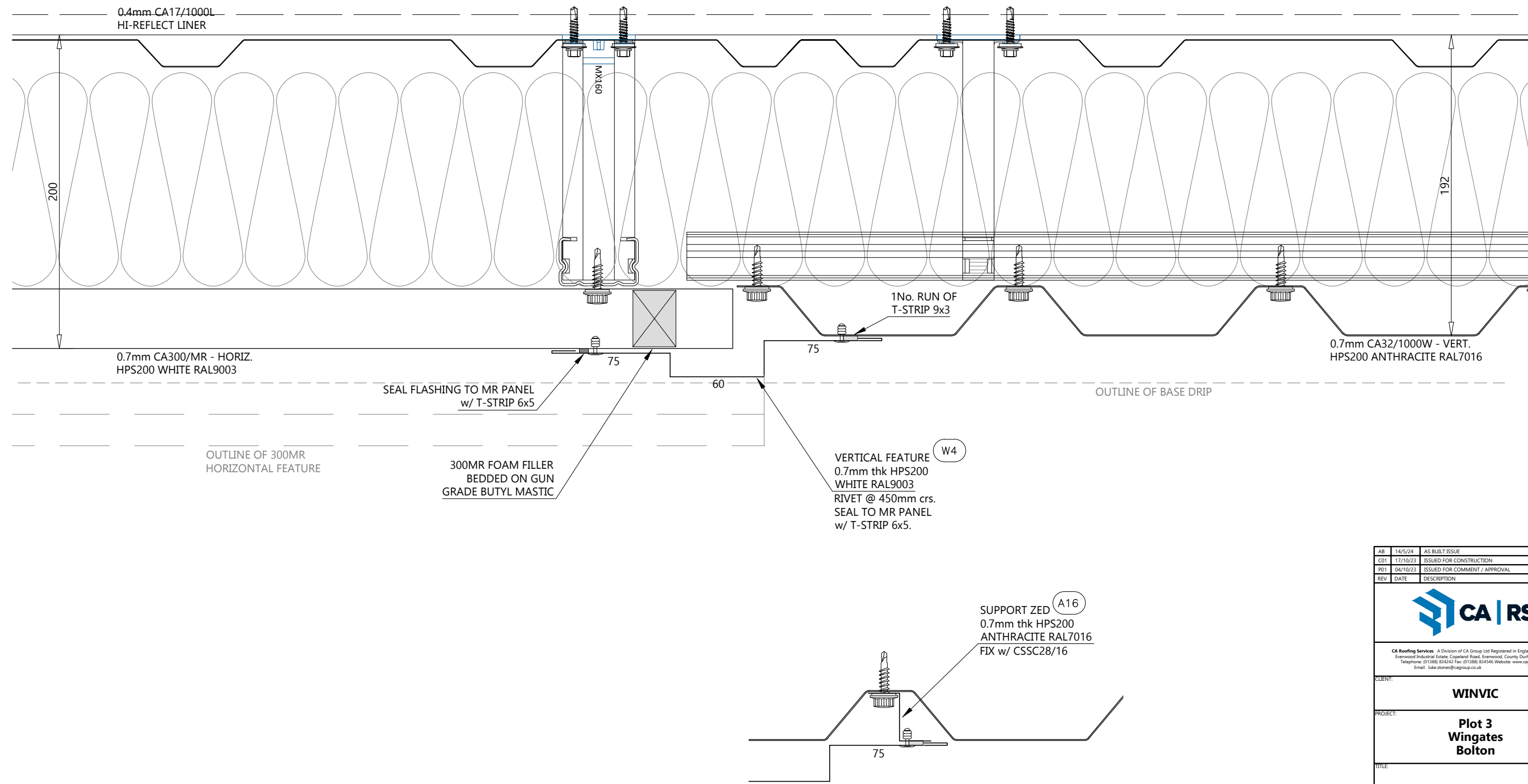
DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0038

REVISION: AB





**SUPPORT ZED SUPPLIED FOR
WHERE VERTICAL SHEET CORRY
MISSES FLASHING LEG**

AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745527
Everwood Industrial Estate, Copeland Road, Ewerwood, County Durham DL14 9SF
Telephone: (01388) 634242 Fax: (01388) 634546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: 300MR to Vertical Cladding Plan

DRAWN BY: L.Stones CHECKED BY:

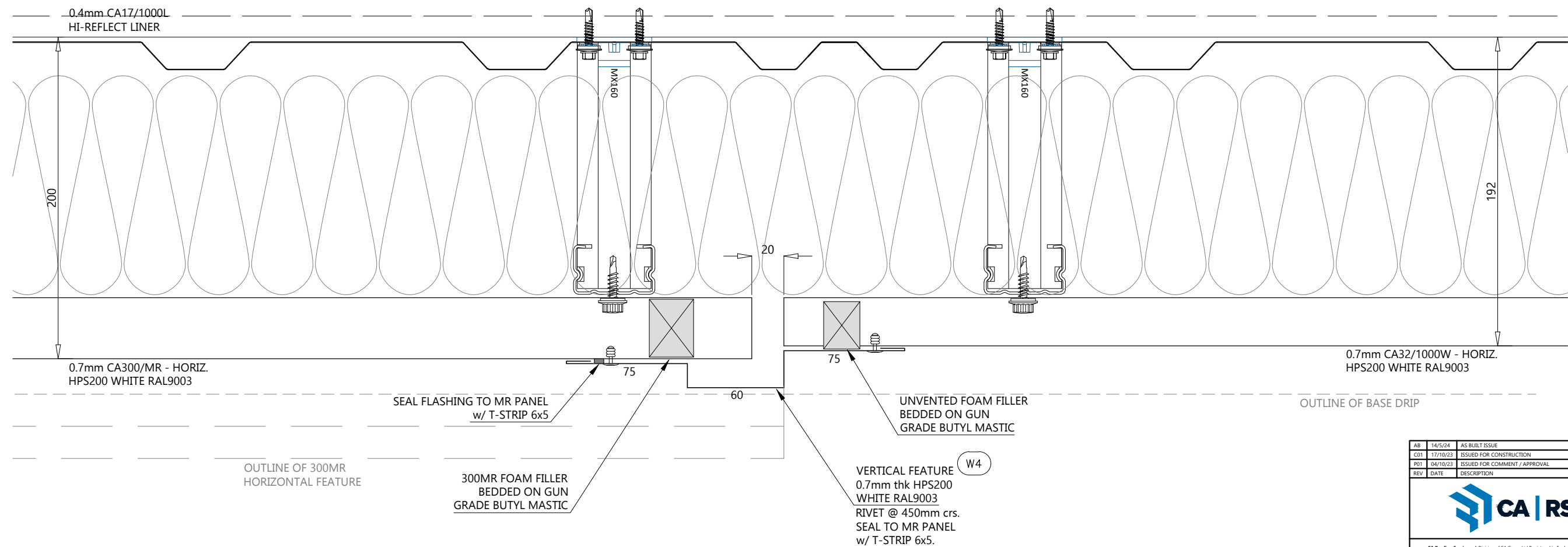
SCALE: 1:2.5 @ A3 DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0039 REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

LEADING ROOFING EXCELLENCE



AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

300MR to Horizontal
Cladding Plan

DRAWN BY: L.Stones

CHECKED BY:

SCALE: 1:2.5 @ A3

DATE: Sept 23

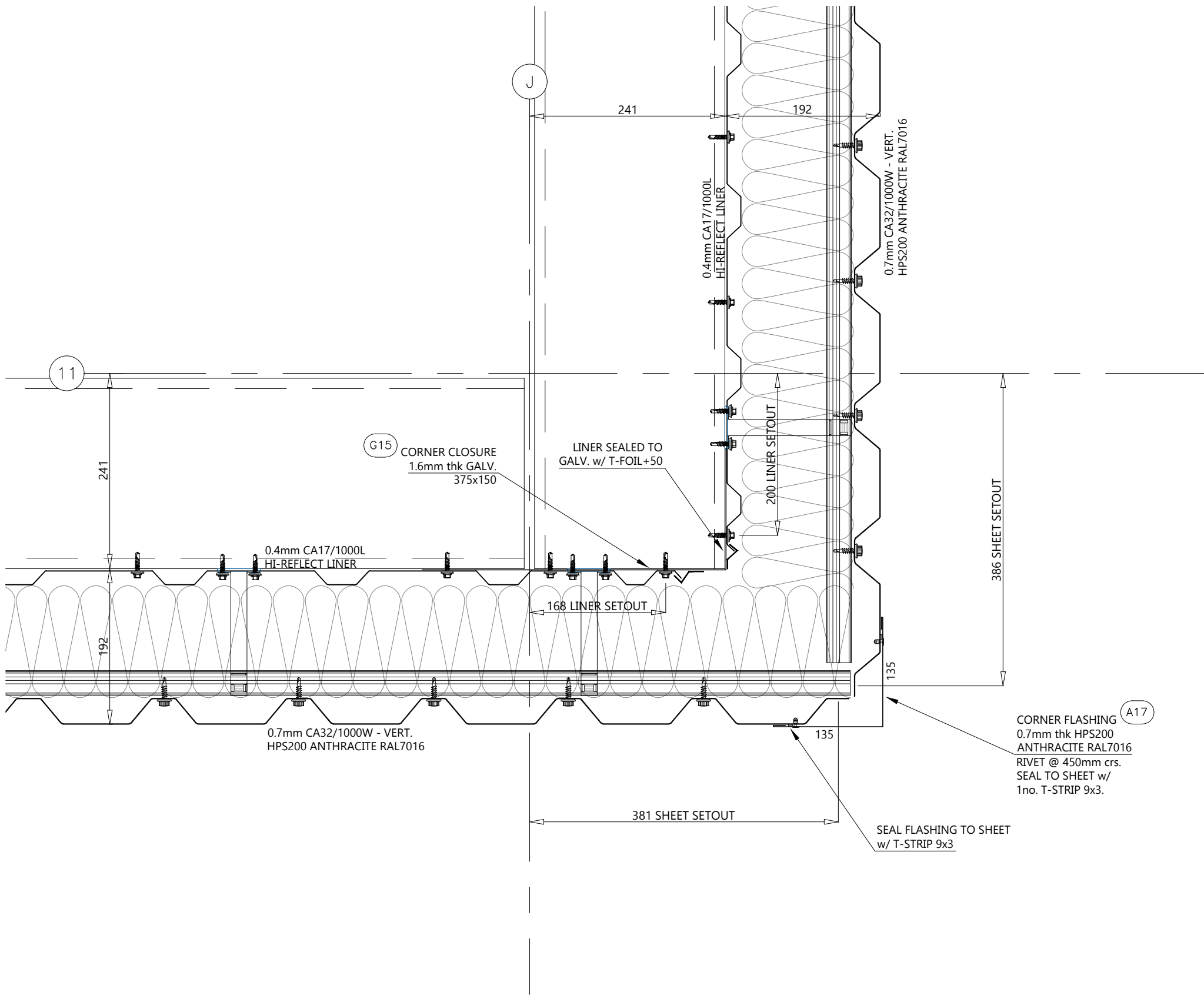
CONTRACT NO: CA2548

DRAWING NO:

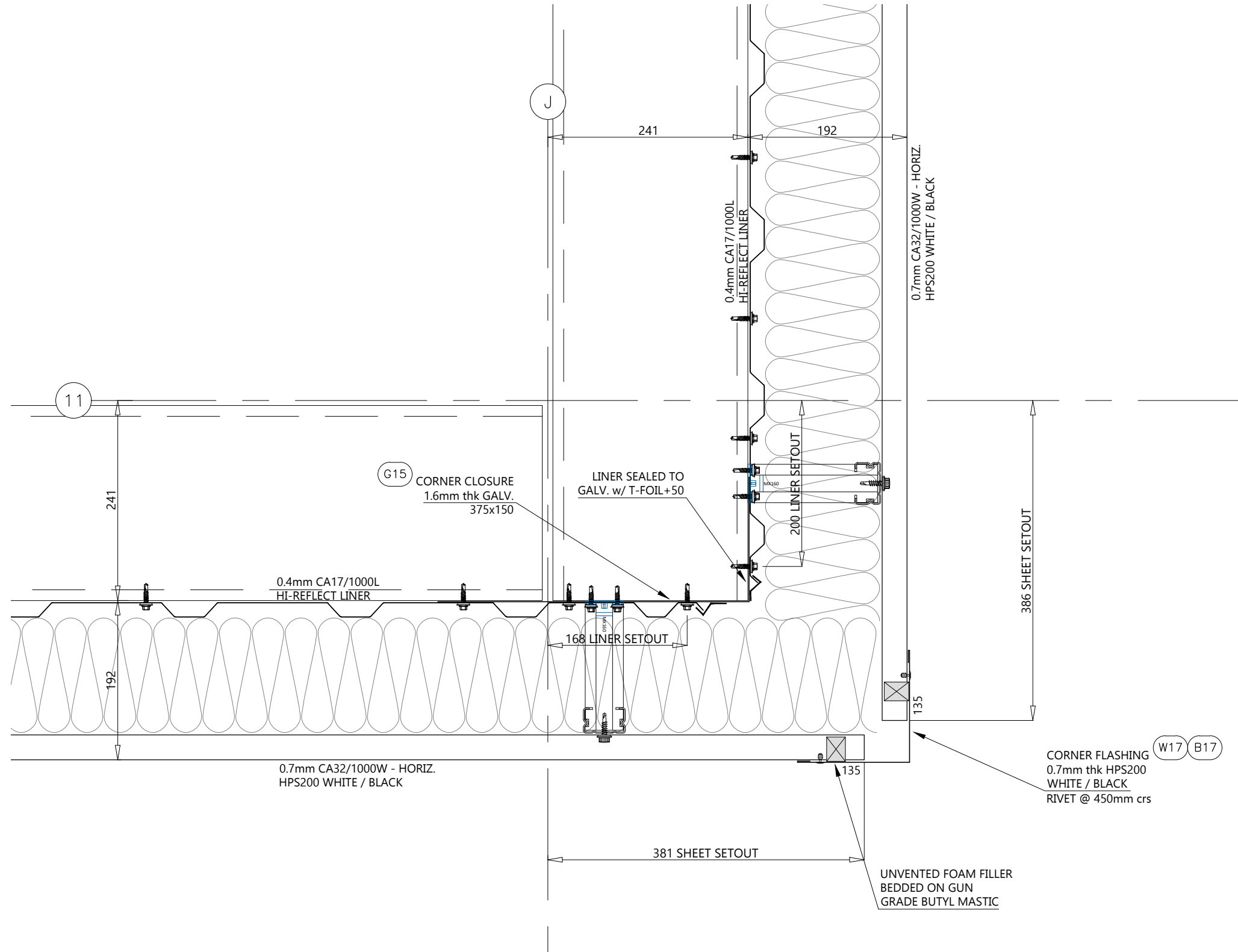
P23012-CAR-BR-ZZ-DR-X-0040

REVISION:

AB



AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF Telephone: (01388) 834242 Fax: (01388) 835546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk		
CLIENT: WINVIC		
PROJECT: Plot 3 Wingates Bolton		
TITLE: Vertical Cladding Corner Detail		
DRAWN BY: L.Stones		CHECKED BY:
SCALE: 1:5 @ A3		DATE: Sept 23
CONTRACT NO: CA2548		
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0041		REVISION: AB
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.		



AB	14/5/24	AS BUILT ISSUE
CD1	17/10/23	ISSUED FOR CONSTRUCTION
PD1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Ewerwood, County Durham, DL14 9SF
Telephone: (01388) 634242 Fax: (01388) 634546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

TITLE: Horizontal Cladding Corner Detail

DRAWN BY: L.Stones CHECKED BY:





SCALE: 1:5 @ A3 DATE: Sept 23

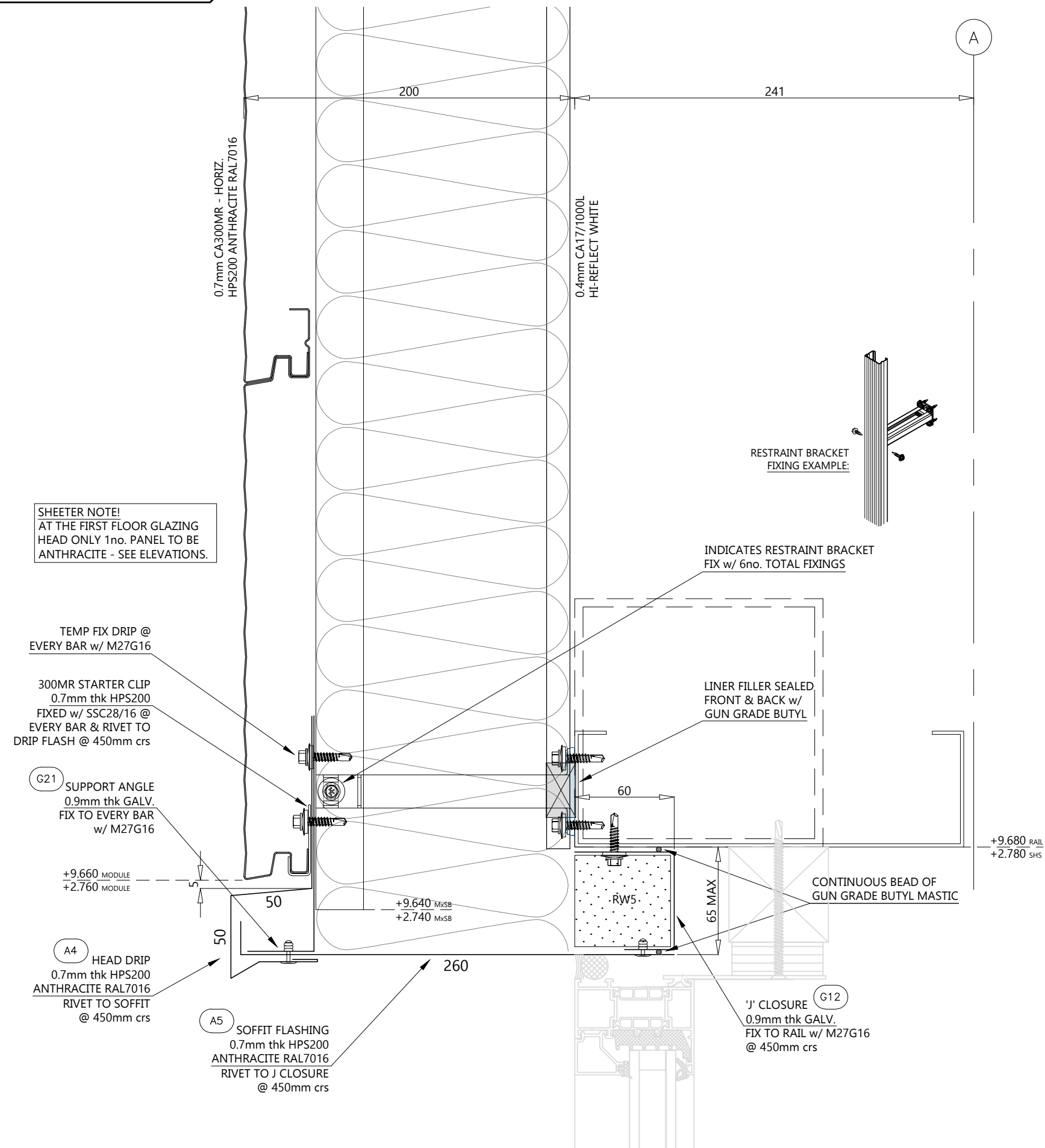
CONTRACT NO: CA2548





DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0042 REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

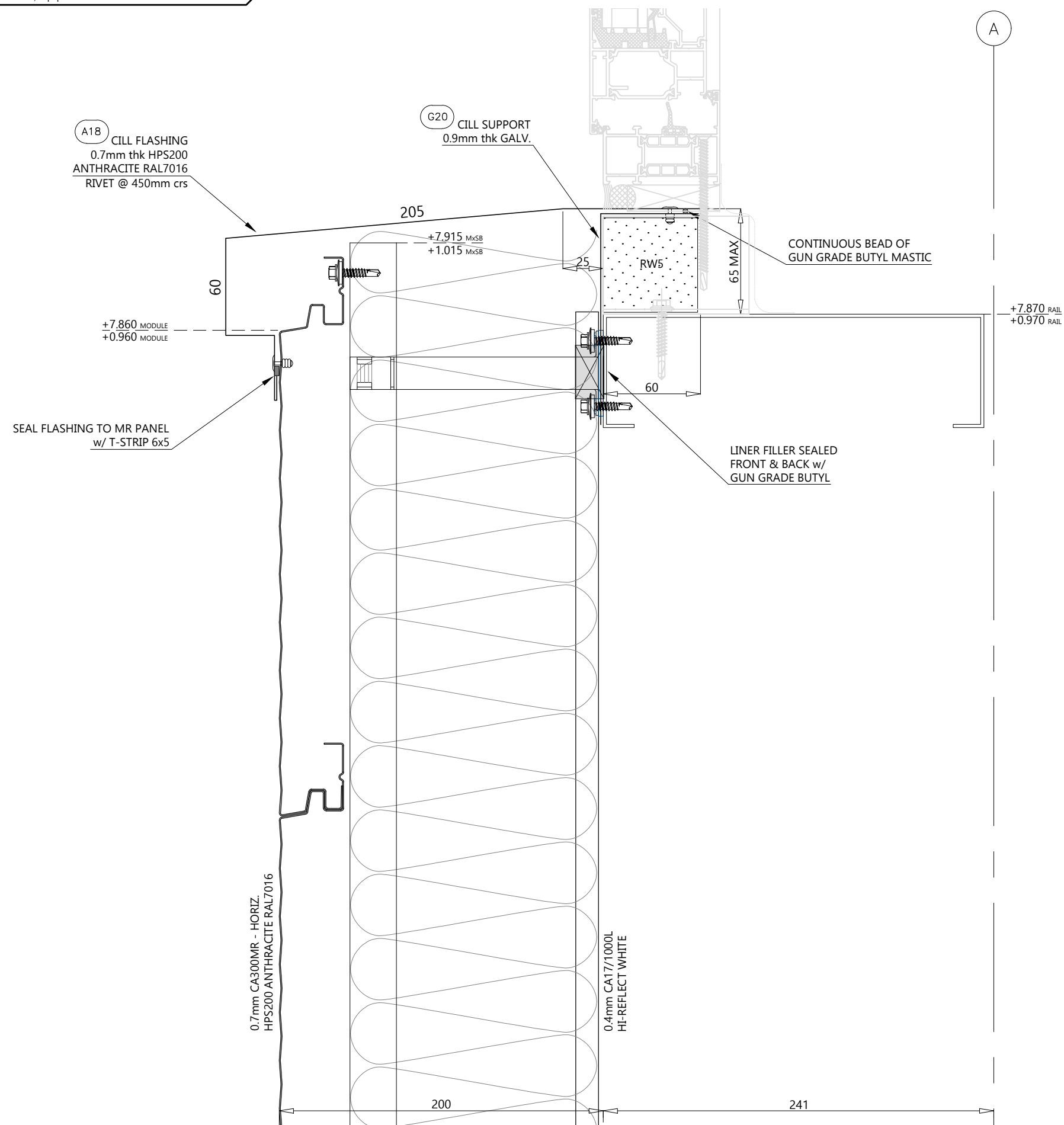


AB	14/5/24	AS BUILT ISSUE
CO1	17/10/23	ISSUED FOR CONSTRUCTION
PO1	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
		
<p>CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Spinal Road, Evesham, Evesham, County Durham DL14 9SF Telephone: (01788) 834362 Fax: (01788) 834346 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</p>		
CLIENT:		
WINVIC		
PROJECT:		
<p>Plot 3 Wingates Bolton</p>		
TITLE:		
<p>300MR Office Cladding Corner Detail</p>		
DRAWN BY: <i>L.Stones</i>		CHECKED BY:
SCALE: 1:5 @ A3	DATE: Sept 23	
CONTRACT NO.: CA2548		
DRAWING NO.: P23012-CAR-BR-ZZ-DR-X-0043		REVISION: AB
<p>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works described are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned (even request).</p>		
		 
LEADING ROOFING EXCELLENCE		



AS	14/5/24	AS BUILD ISSUE
C21	23/10/23	G21 SUPPORT ANGLE ADDED
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
		
CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745037 Evermoord Industrial Estate, Copeland Road, Evermoord, County Durham, DL14 5PL Telephone: 01388 84242 Fax: 013188 83456 Website: www.cagroup.co.uk Email: sales@ca-group.co.uk		
CLIENT:		
WINVIC		
PROJECT:		
Plot 3 Wingates Bolton		
TITLE:		
300MR Office Glazing Head Detail		
DRAWN BY:		CHECKED BY:
<i>L.Stones</i>		
SCALE:	DATE:	
1:2.5 @ A3	Sept 23	
CONTRACT NO:		
CA2548		
DRAWING NO:		REVISION:
P23012-CAR-BR-ZZ-DR-X-0044		AB
<small>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and/or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</small>		
		 ISO 9001 FSC 100446
		 ISO 14001 EMS 5735058

ORIGINAL DRAWING SIZE: A3 This drawing is not to be scaled from, in paper form or electronic format - If in doubt ask !!



AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
R01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834342 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

300MR Office Glazing
Cill Detail

DRAWN BY: L.Stones

CHECKED BY:

SCALE: 1:2.5 @ A3

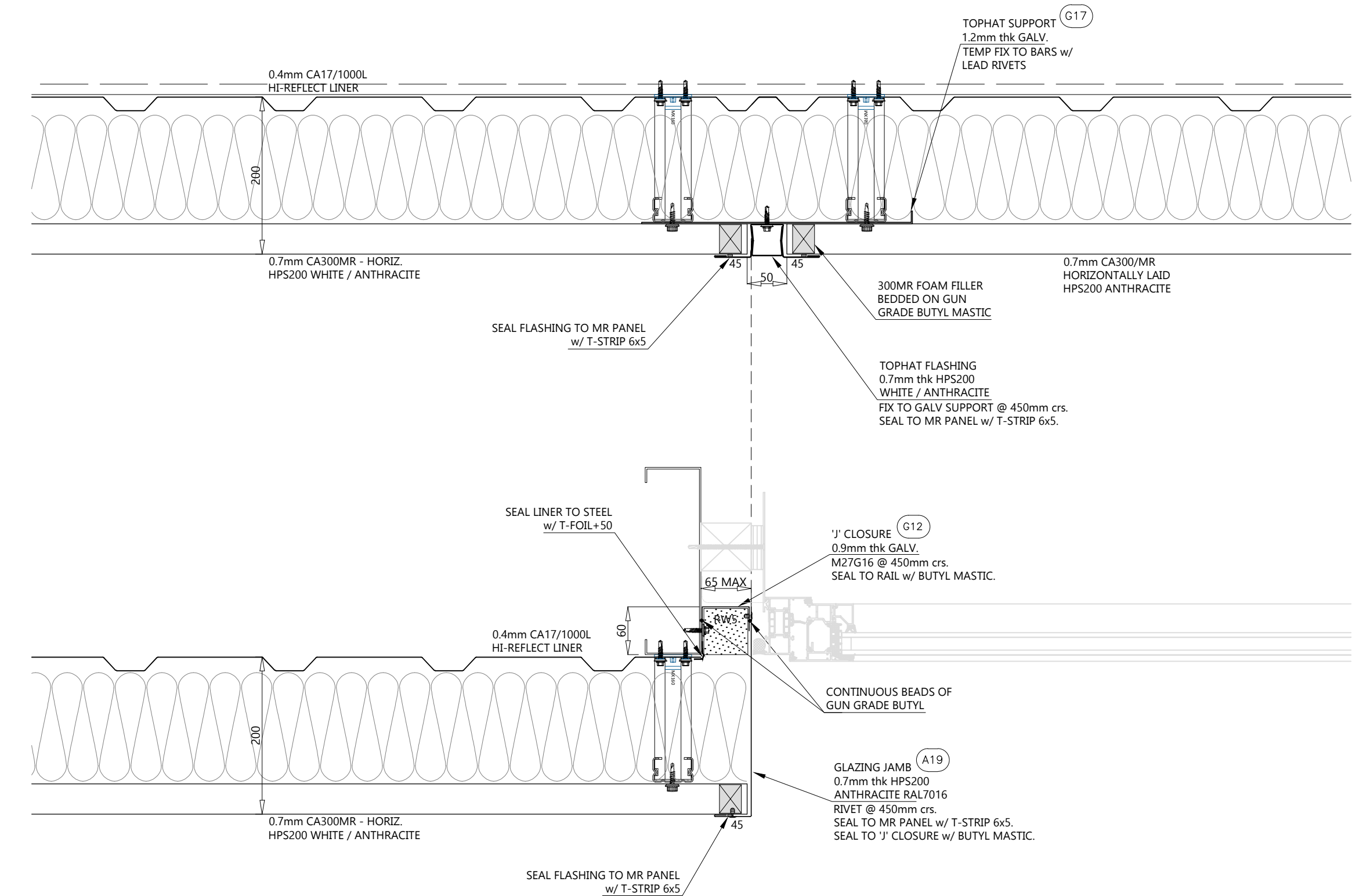
DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0045

REVISION:
AB





AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834252 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: WINVIC

PROJECT: Plot 3 Wingates Bolton

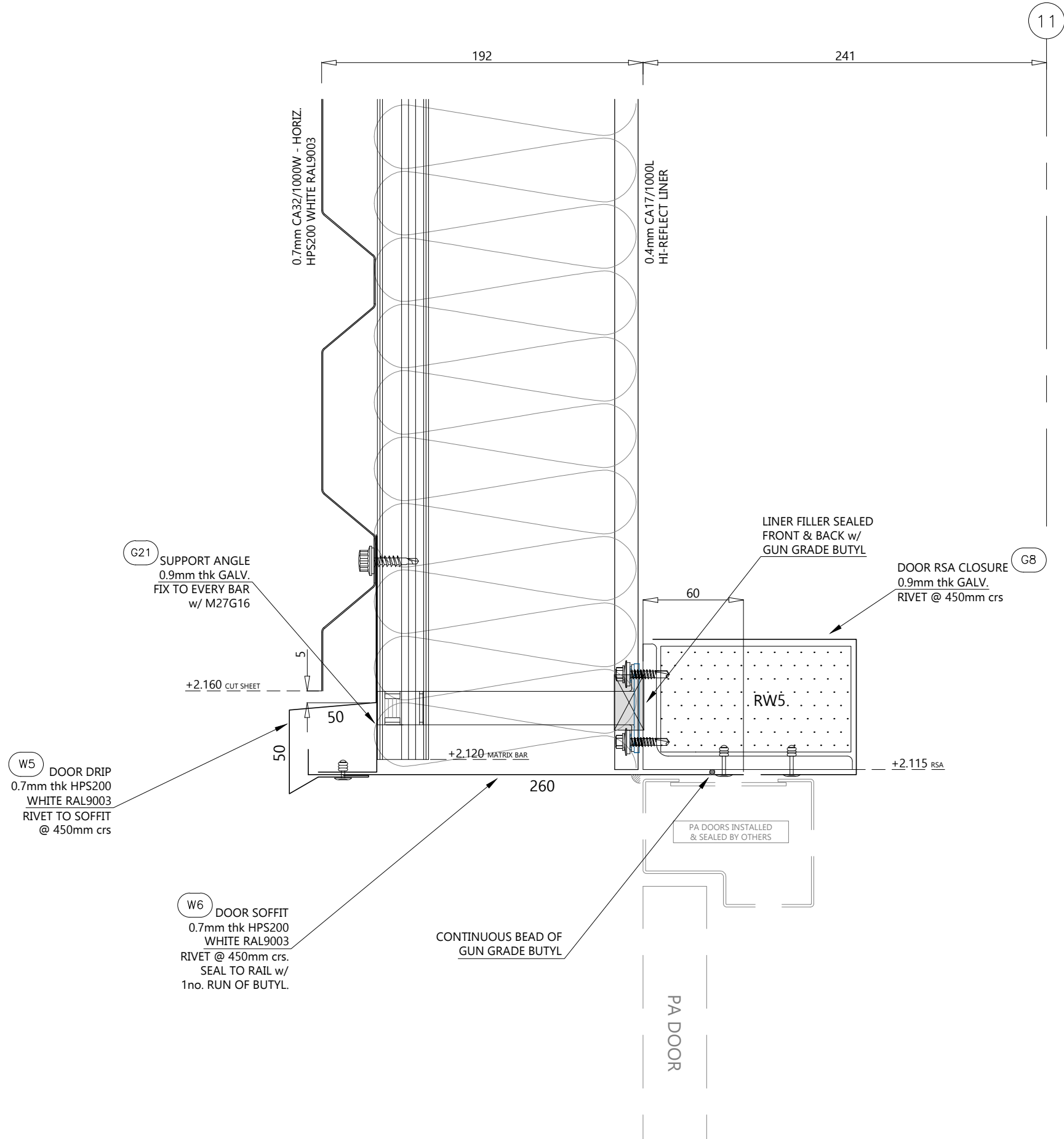
TITLE: 300MR Office Glazing Jamb Details

DRAWN BY: L.Stones CHECKED BY:

SCALE: 1:5 @ A3 DATE: Sept 23

CONTRACT NO: CA2548

DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0046 REVISION: AB



AB	14/5/24	AS BUILT ISSUE
C02	23/10/23	'G21' SUPPORT ANGLE ADDED
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, County Durham DL14 9SF
Telephone: (01188) 834242 Fax: (01188) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT:

WINVIC

PROJECT:

Plot 3
Wingates
Bolton

TITLE:

Personnel Door Head Detail
Horizontal Cladding

DRAWN BY:

L.Stones

CHECKED BY:

SCALE:

1:2.5 @ A3

DATE:

Sept 23

CONTRACT NO:

CA2548

DRAWING NO:

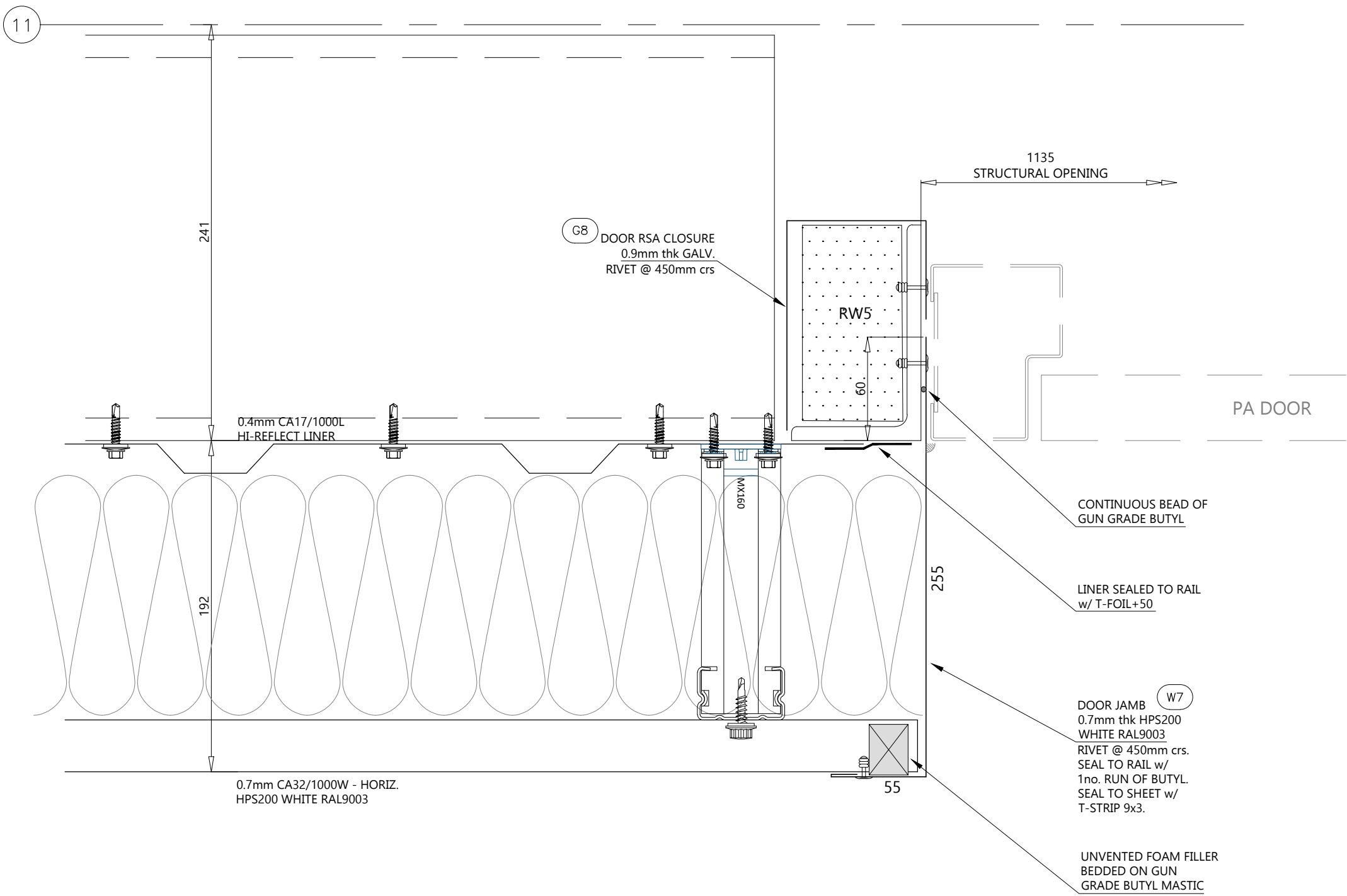
P23012-CAR-BR-ZZ-DR-X-0047





REVISION:

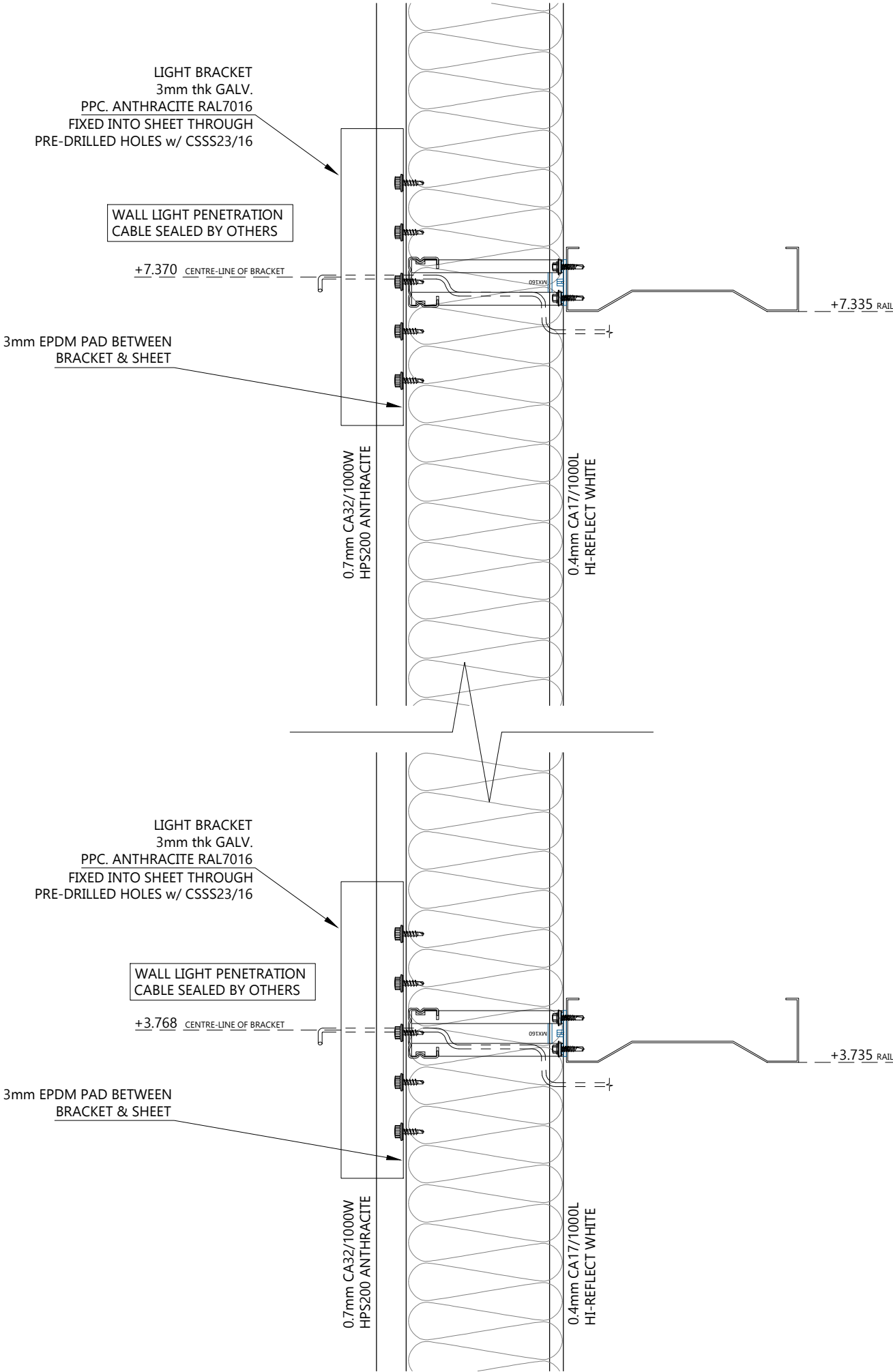
AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.





AB	14/5/24	AS BUILT ISSUE
C01	17/10/23	ISSUED FOR CONSTRUCTION
P01	04/10/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div>		
CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SP Telephone: 01388 834342 Fax: 01388 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk		
CLIENT:	WINVIC	
PROJECT:	Plot 3 Wingates Bolton	
TITLE:	Personnel Door Jamb Detail Horizontal Cladding	
DRAWN BY:	L.Stones	
CHECKED BY:		
SCALE:	1:2.5 @ A3	DATE: Sept 23
CONTRACT NO:	CA2548	
DRAWING NO:	P23012-CAR-BR-ZZ-DR-X-0048	REVISION:
		AB
© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.		
<div><div><div>NFRC</div><div>LEADING ROOFING EXCELLENCE</div></div><div><div>ISO 9001 FS 10446</div></div><div><div>ISO 14001 EMS 573506</div></div></div>		



AB	14/5/24	AS BUILT ISSUE
P01	21/11/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Everwood Industrial Estate, Copeland Road, Everwood, County Durham DL14 9SF
Telephone: 01388 834242 Fax: 01388 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Light Bracket Details in Vertical Cladding**

DRAWN BY: *L.Stones* CHECKED BY:

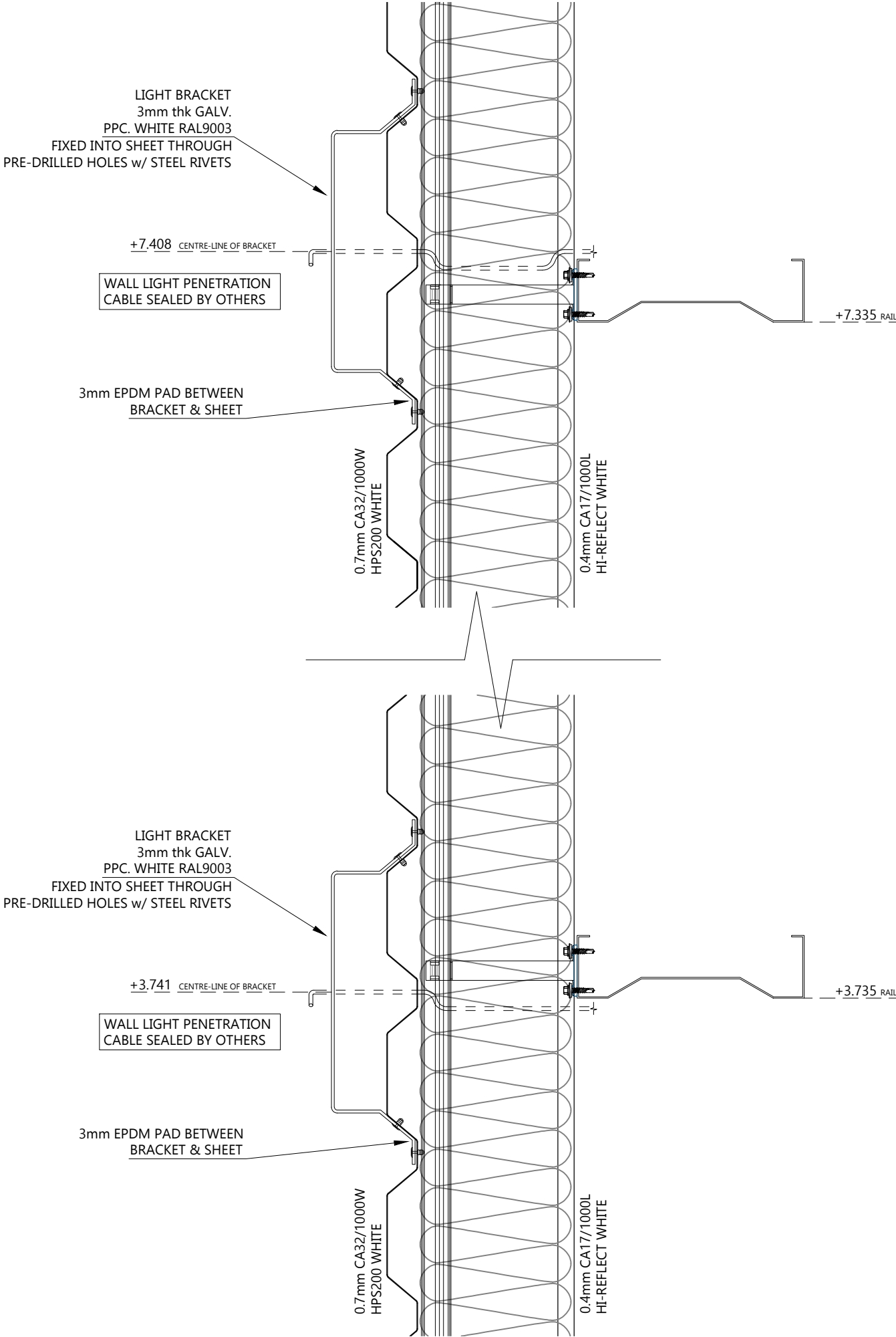
SCALE: 1:5 @ A3 DATE: Nov 23





CONTRACT NO: CA2548

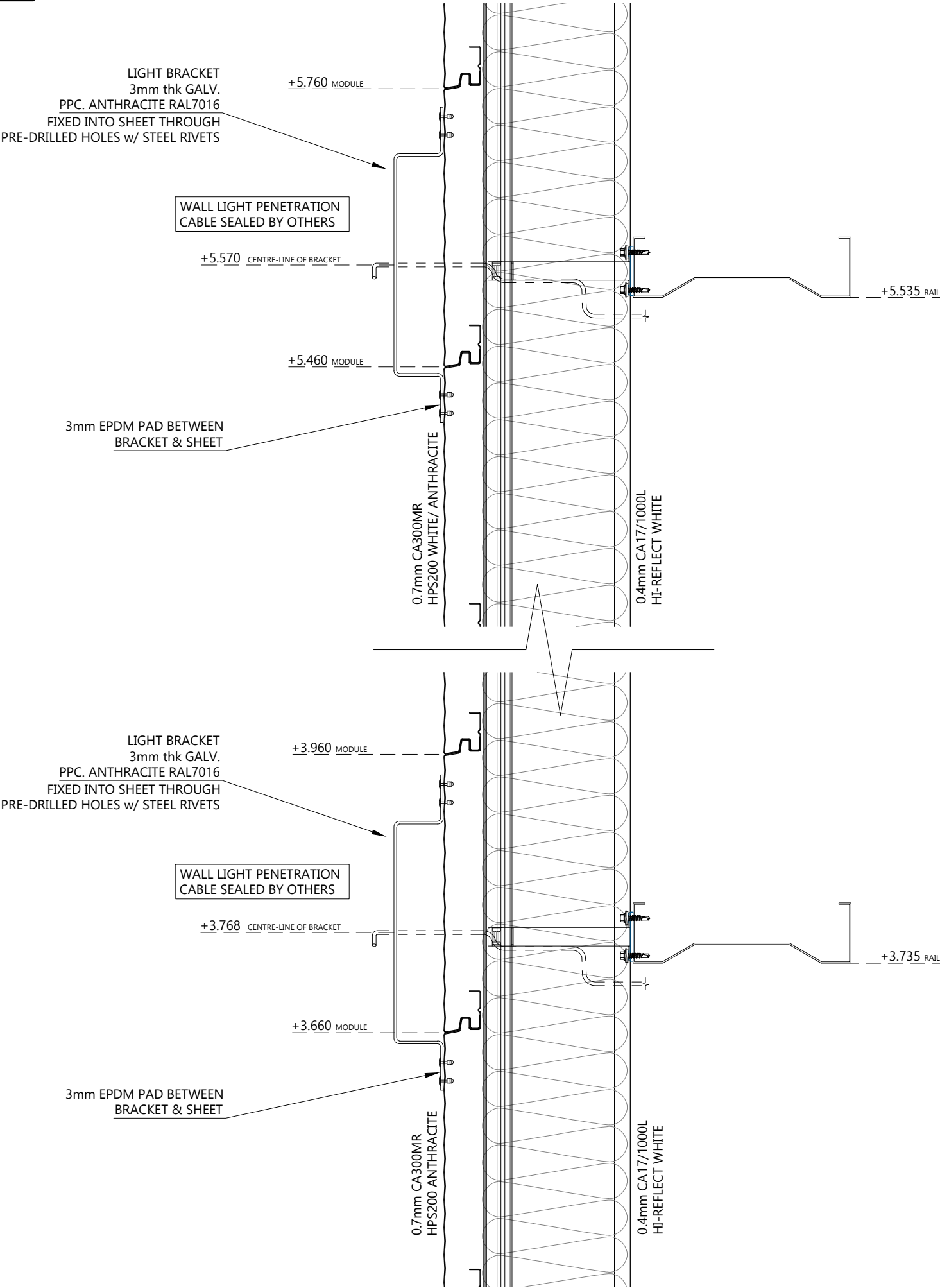
DRAWING NO: P23012-CAR-BR-ZZ-DR-X-0050 REVISION: AB

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

LEADING ROOFING EXCELLENCE



AB	14/5/24	AS BUILT ISSUE
P01	21/11/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION
<div></div> <div>CA Roofing Services: A Division of CA Group Ltd Registered in England No. 1745027 Everwood Industrial Estate, Copeland Road, Everwood, County Durham, DL14 9JF Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</div>		
CLIENT:	WINVIC	
PROJECT:	Plot 3 Wingates Bolton	
TITLE:	Light Bracket Details in Horizontal Cladding	
DRAWN BY:	L.Stones	CHECKED BY:
SCALE:	1:5 @ A3	DATE: Nov 23
CONTRACT NO:	CA2548	
DRAWING NO:	P23012-CAR-BR-ZZ-DR-X-0051	REVISION: AB
<div><div><p>© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.</p><div><div>NFRC LEADING ROOFING EXCELLENCE</div><div>ISO 9001 FS 10446</div><div>ISO 14001 EMS 573506</div></div></div></div>		



AB	14/5/24	AS BUILT ISSUE
P01	21/11/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: 01388 834242 Fax: 01388 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Light Bracket Details in 300MR Cladding**

DRAWN BY: **L.Stones** CHECKED BY:

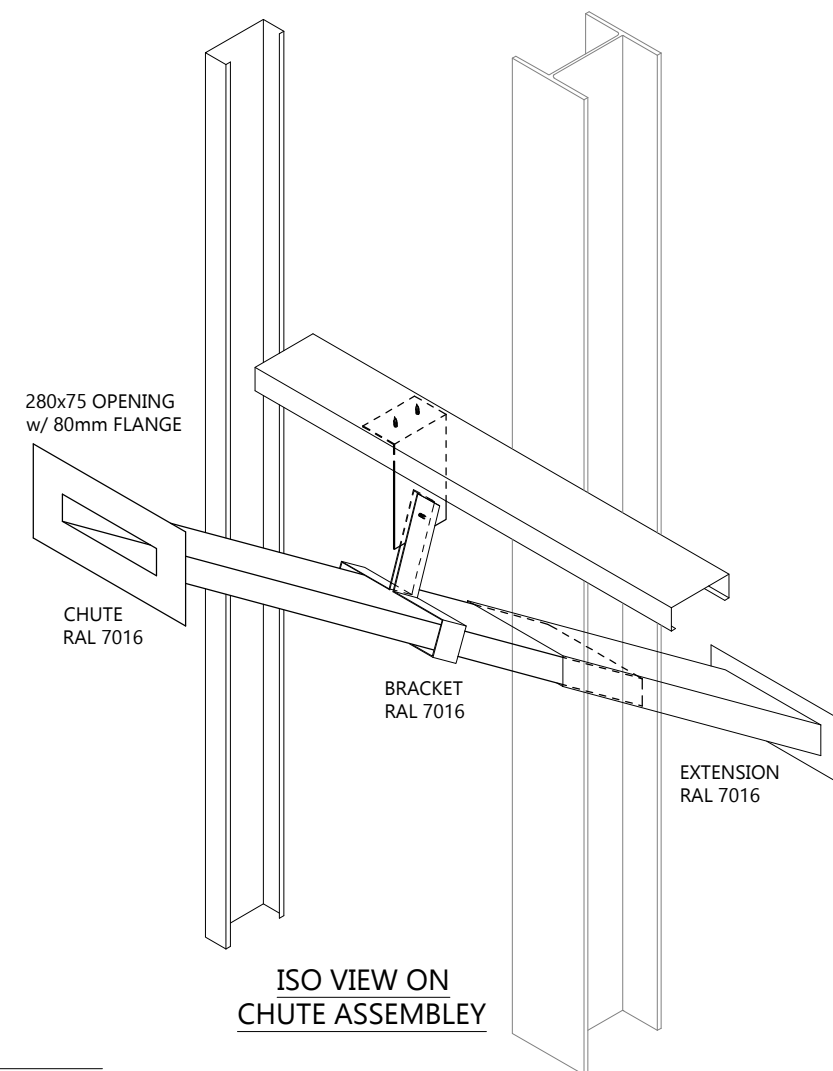
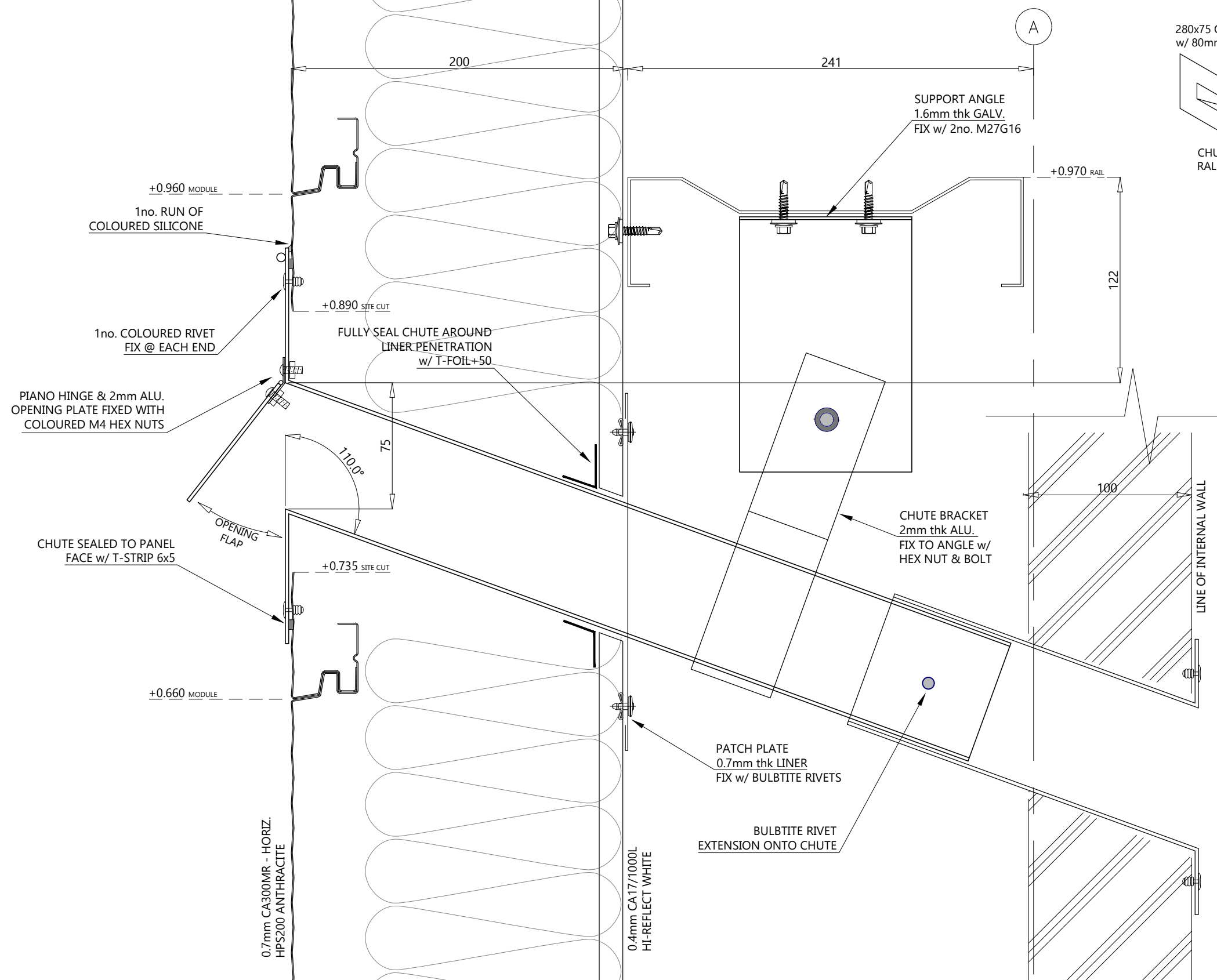
SCALE: **1:5 @ A3** DATE: **Nov 23**

CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0052** REVISION: **AB**

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

LEADING ROOFING EXCELLENCE
ISO 9001
FS 10446
ISO 14001
EMS 373506



AB	14/5/24	AS BUILT ISSUE
C02	01/12/23	OPENING SIZE & HINGE AMENDED TO SUIT FABRICATION
C01	28/11/23	ISSUED FOR CONSTRUCTION
P01	27/11/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION



CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: (01388) 834242 Fax: (01388) 834546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT:

**Plot 3
Wingates
Bolton**

TITLE: **Post Chute Section**

COPIED BY _____ CHECKED BY _____

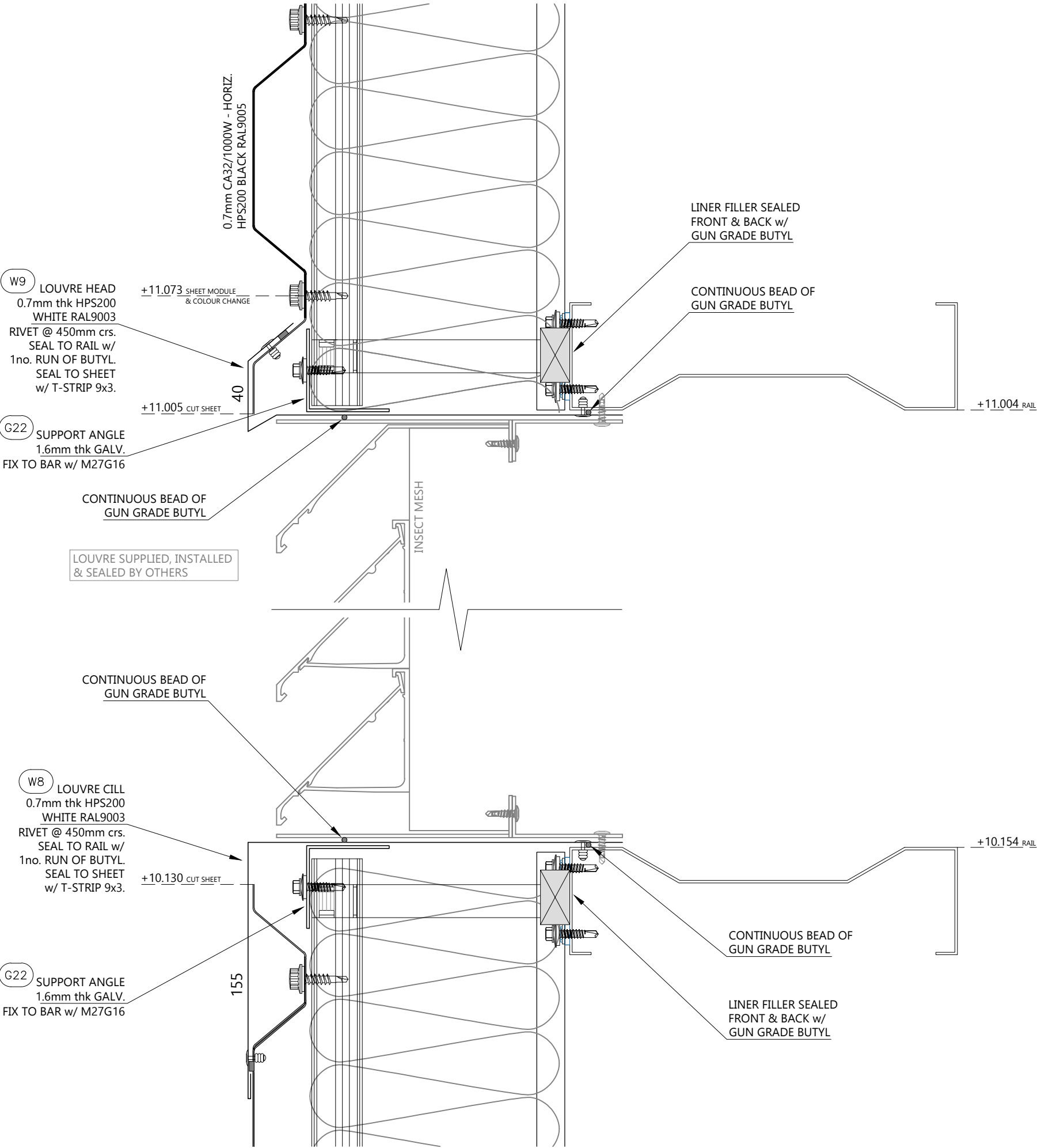
DRAWN BY: <i>L.Stones</i>	CHECKED BY:
SCALE: 1:5 @ A3	DATE: Nov 23

CONTRACT NO:		CA2548
DRAWING NO:		REVISION

DRAWING NO.	P23012-CAR-BR-ZZ-DR-X-0054	REVISION	AB
-------------	----------------------------	----------	----

© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway (in whole or in part) without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.





AB	14/5/24	AS BUILT ISSUE
C01	28/11/23	ISSUED FOR CONSTRUCTION
P01	27/11/23	ISSUED FOR COMMENT / APPROVAL
REV	DATE	DESCRIPTION

CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027
Evenwood Industrial Estate, Copeland Road, Evenwood, County Durham DL14 9SF
Telephone: 01388 834242 Fax: 01388 314546 Website: www.cagroup.co.uk
Email: luke.stones@cagroup.co.uk

CLIENT: **WINVIC**

PROJECT: **Plot 3 Wingates Bolton**

TITLE: **Louvre Head & Cill Details**

DRAWN BY: **L.Stones**

CHECKED BY:

SCALE: **1:5 @ A3**

DATE: **Nov 23**

CONTRACT NO: **CA2548**

DRAWING NO: **P23012-CAR-BR-ZZ-DR-X-0055**

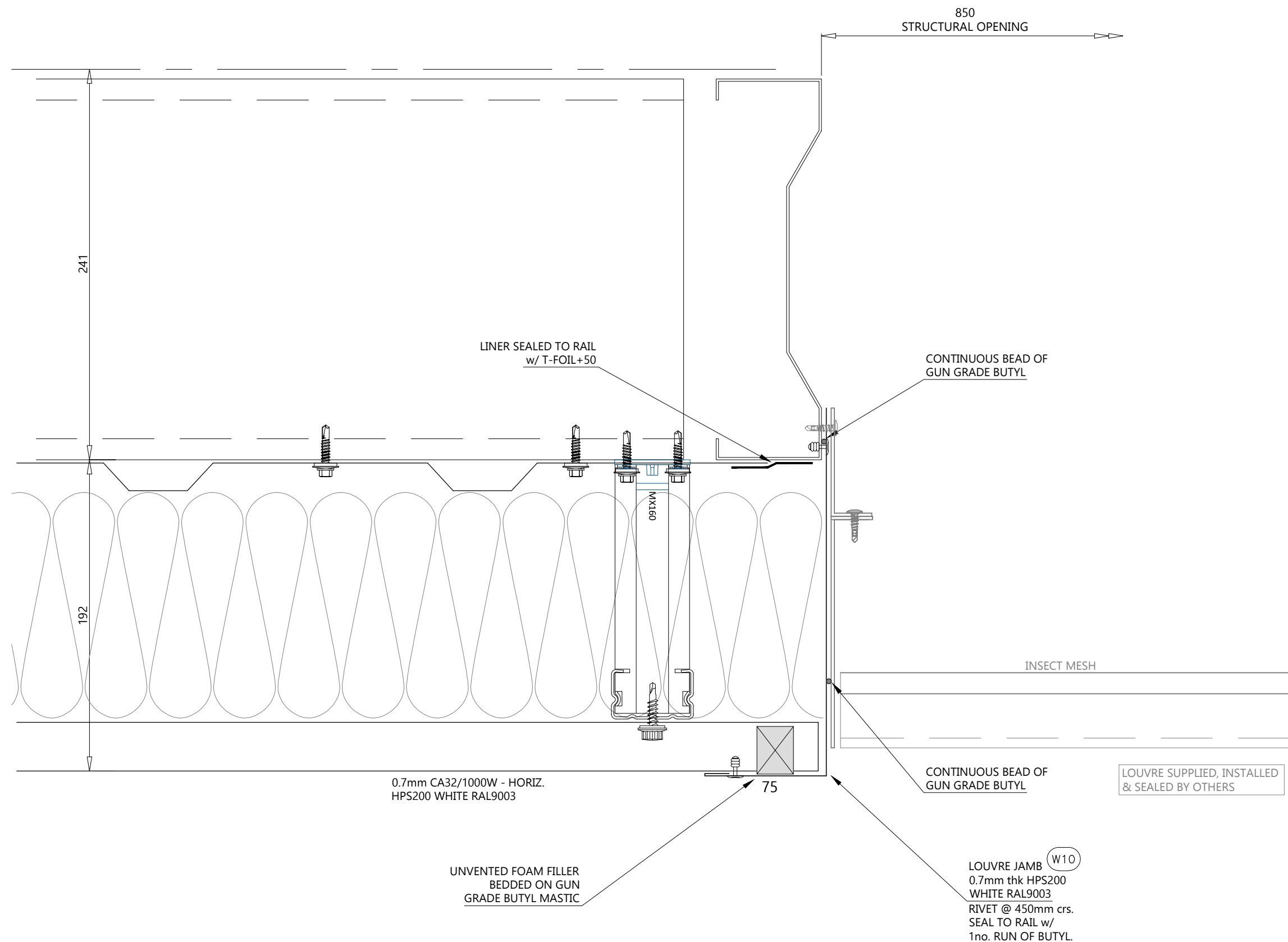
REVISION: **AB**





© CA Roofing Services. The copyright and other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in any way in whole or in part without the express written permission of CA Roofing Services. This drawing remains the property of CA Roofing Services and must be returned upon request.

LEADING ROOFING EXCELLENCE

ISO 9001
FS 10446

ISO 14001
EMS 573506



AB	14/5/24	AS BUILT ISSUE																
CO1	28/11/23	ISSUED FOR CONSTRUCTION																
PO1	27/11/23	ISSUED FOR COMMENT / APPROVAL																
REV	DATE	DESCRIPTION																
<div><p>CA RS</p></div> <p>CA Roofing Services A Division of CA Group Ltd Registered in England No. 1745027 Everswood Industrial Estate, Copeland Road, Everswood, County Durham DL14 9SF Telephone: 01388 824242 Fax: 01388 834546 Website: www.cagroup.co.uk Email: luke.stones@cagroup.co.uk</p> <p>CUSTOMER:</p> <p>WINVIC</p> <p>PROJECT:</p> <p>Plot 3 Wingates Bolton</p> <p>TITLE:</p> <p>Louvre Jamb Detail</p> <table><tr><td>DRAWN BY:</td><td>L.Stones</td><td>CHECKED BY:</td><td></td></tr><tr><td>SCALE:</td><td>1:5 @ A3</td><td>DATE:</td><td>Nov 23</td></tr><tr><td>CONTRACT NO:</td><td>CA2548</td><td></td><td></td></tr><tr><td>DRAWING NO:</td><td>P23012-CAR-BR-ZZ-DR-X-0056</td><td>REVISION:</td><td>AB</td></tr></table> <p><small>© CA Roofing Services. The copyright and all other intellectual property rights in this drawing and the works depicted are the property of CA Roofing Services and / or its licensors. It may not be copied, reproduced, altered or disclosed in anyway in whole or in part without the express written permission of CA Roofing Services. No drawing remains the property of CA Roofing Services and must be returned upon request.</small></p> <div><div><p>NFRC LEADING ROOFING EXCELLENCE</p></div><div><p>ISO 9001 FS 17466</p></div><div><p>ISO 14001 FAC 073504</p></div></div>			DRAWN BY:	L.Stones	CHECKED BY:		SCALE:	1:5 @ A3	DATE:	Nov 23	CONTRACT NO:	CA2548			DRAWING NO:	P23012-CAR-BR-ZZ-DR-X-0056	REVISION:	AB
DRAWN BY:	L.Stones	CHECKED BY:																
SCALE:	1:5 @ A3	DATE:	Nov 23															
CONTRACT NO:	CA2548																	
DRAWING NO:	P23012-CAR-BR-ZZ-DR-X-0056	REVISION:	AB															