

Total System Depth (mm)	Bracket / insulation Thickness (mm)	Thermal Performance (W/m ² K)	Acoustic Performance RW (db)	System Weight (Kg/m ²)
150	120	0.37	41	12.6
170	140	0.32	42	12.8
190	160	0.28	44	13.1
210	180	0.25	45	13.3
230	200	0.22	47	13.6

N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED
END LAP - 150mm

PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

PROTEX APPROVED - EXTERNAL STITCHER FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SIDE LAP TROUGH - 450mm CENTRES

PROTEX APPROVED - END LAP SEALANT
9mm * 3mm BUTYL TAPE / 4mm BEAD
LOCATION
1-NO. CONTINUOUS RUN.
POSITIONED IN COMPRESSION ZONE AND 15mm FROM SHEET END

PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

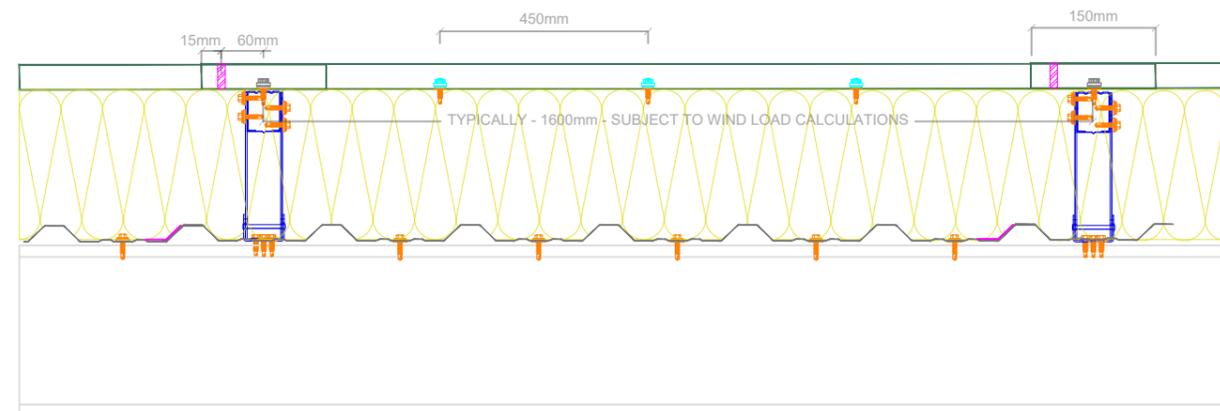
PROTEX APPROVED - GLASS FIBRE INSULATION
THICKNESS TO SUIT U-VALUE REQUIREMENT
MINIMUM THICKNESS - 120mm
FIRE CLASS A1 RATED TO EN 13501-1
MANUFACTURED IN ACCORDANCE WITH BS EN 13162
(SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

PROTEX APPROVED - BRACKET FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
AS PER LAYOUT CALCULATION

PROTEX APPROVED - LINER MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 6 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 4 NO. FIXINGS

PROTEX APPROVED - LINER SIDE LAP SEALANT
50mm * 1mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN.
POSITIONED CENTRAL OVER JOIN

N1000L+ INTERNAL LINER PROFILE
GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION



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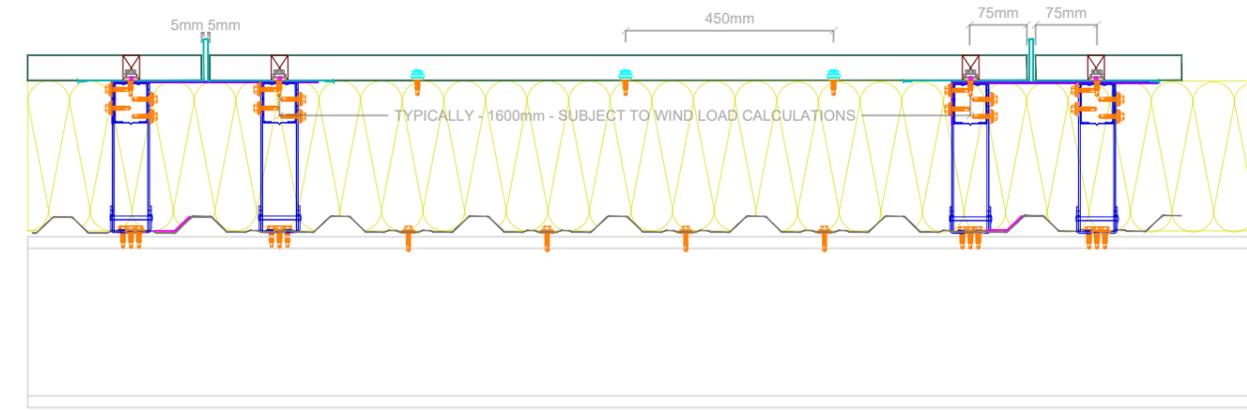
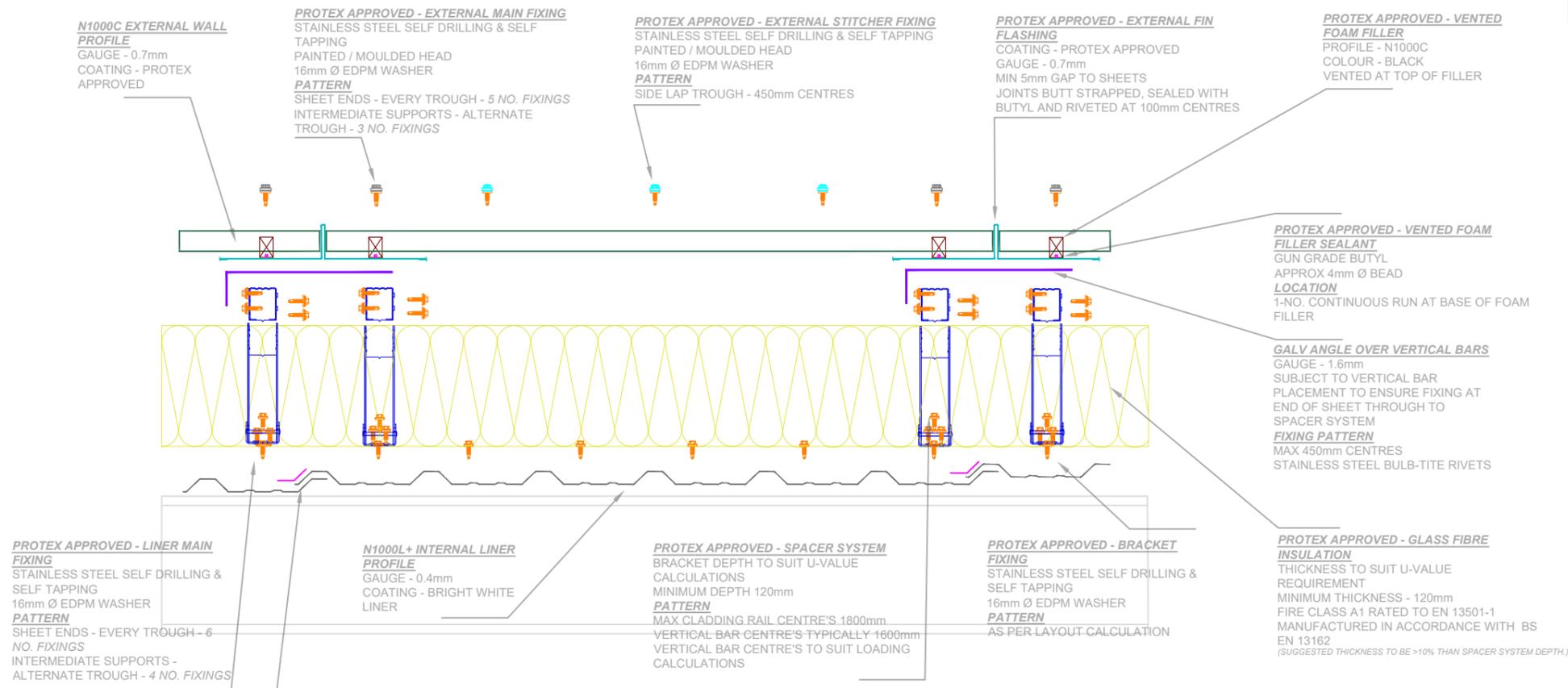
Drawing Number
Protex-WS02-1 End Lap Detail

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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Total System Depth (mm)	Bracket / insulation Thickness (mm)	Thermal Performance (W/m ² K)	Acoustic Performance RW (db)	System Weight (Kg/m ²)
150	120	0.37	41	12.6
170	140	0.32	42	12.8
190	160	0.28	44	13.1
210	180	0.25	45	13.3
230	200	0.22	47	13.6



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION

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PROTEX[®]

UK CA

LPS 1181 Cert/LPCB ref. 1611a

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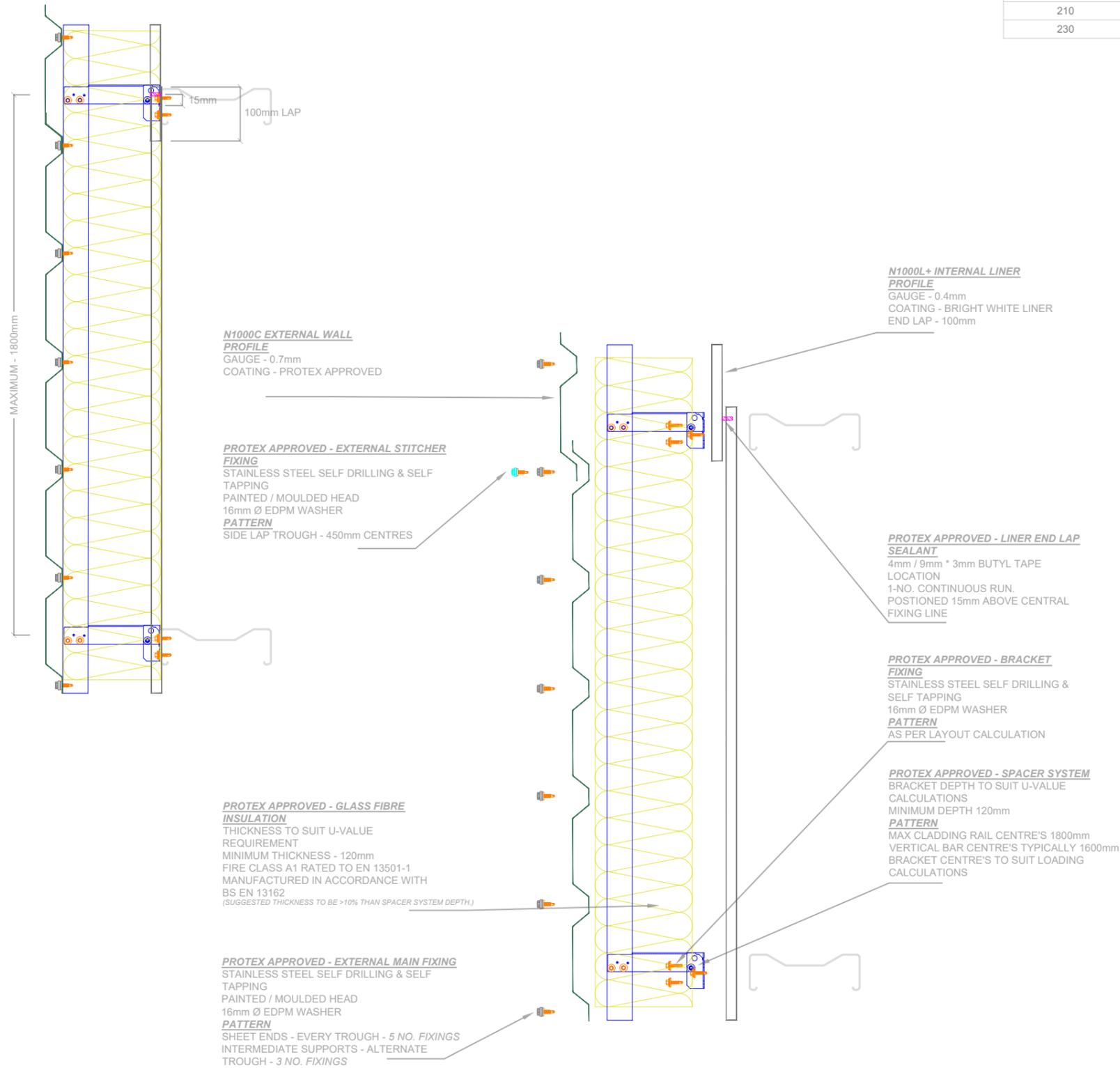
Drawing Number
Protex-WS02-1.1 Fin Feature Detail

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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<<< DO NOT SCALE FROM THIS DRAWING >>>

Total System Depth (mm)	Bracket / insulation Thickness (mm)	Thermal Performance (W/m ² K)	Acoustic Performance RW (db)	System Weight (Kg/m ²)
150	120	0.37	41	12.6
170	140	0.32	42	12.8
190	160	0.28	44	13.1
210	180	0.25	45	13.3
230	200	0.22	47	13.6



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION

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SGS SGS SGS UKAS PLANETMARK

PROTEX[®]

UK CA

LPCB CERTIFICATION 0007
UKAS CERTIFICATION 0007
LPS 1181 Curt/LPCB ref. 1611a

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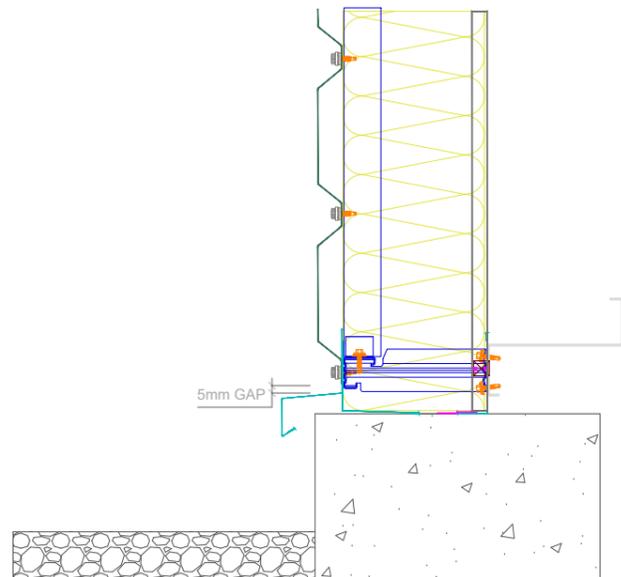
Drawing Number
Protex-WS02-2 Side Lap Detail

Drawn by KP	Checked by TO	Date 24/09/2024
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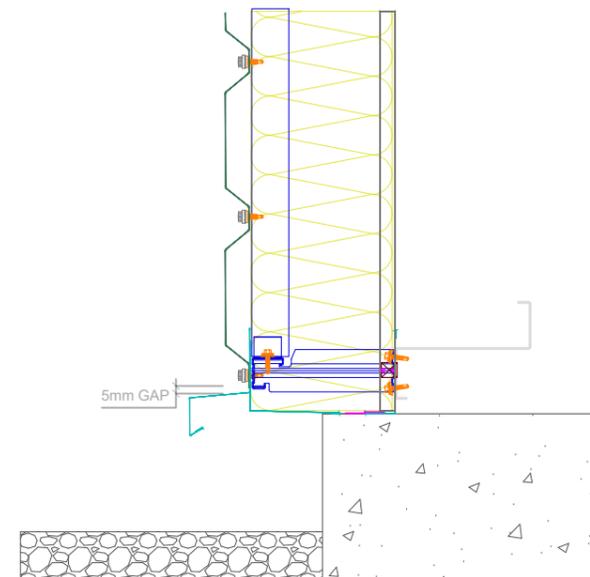
Project Title PRX-WS-02	Size A3	Revision A
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<<< DO NOT SCALE FROM THIS DRAWING >>>

INLINE BASE DETAIL



OVERHANGING BASE DETAIL



PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS

N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

N1000L+ INTERNAL LINER PROFILE
GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER

PROTEX APPROVED - GLASS FIBRE INSULATION
THICKNESS TO SUIT U-VALUE REQUIREMENT
MINIMUM THICKNESS - 120mm
FIRE CLASS A1 RATED TO EN 13501-1
MANUFACTURED IN ACCORDANCE WITH BS EN 13162
(SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH)

PROTEX APPROVED - SPACER SYSTEM (HORIZONTAL BASE BAR)
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
MAX BRACKET CENTRE'S 1000mm
BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS
HORIZONTAL BAR AT THE BASE DETAIL WITH AFT CONNECTIONS TO CONNECT TO THE VERTICAL BARS
BRACKET MUST BE PLACED WITHIN 100mm OF MALE END OF SPACER SYSTEM JOINT

PROTEX APPROVED - BRACKET FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
AS PER LAYOUT CALCULATION

AFT CONNECTORS
USED TO SECURE VERTICAL BARS TO HORIZONTAL SPACER SYSTEM

PROTEX APPROVED - FOAM FILLER SEALANT
GUN GRADE BUTYL
APPROX 4mm Ø BEAD
LOCATION
CONTINUOUS RUNS TOP & BOTTOM OF FOAM FILLER

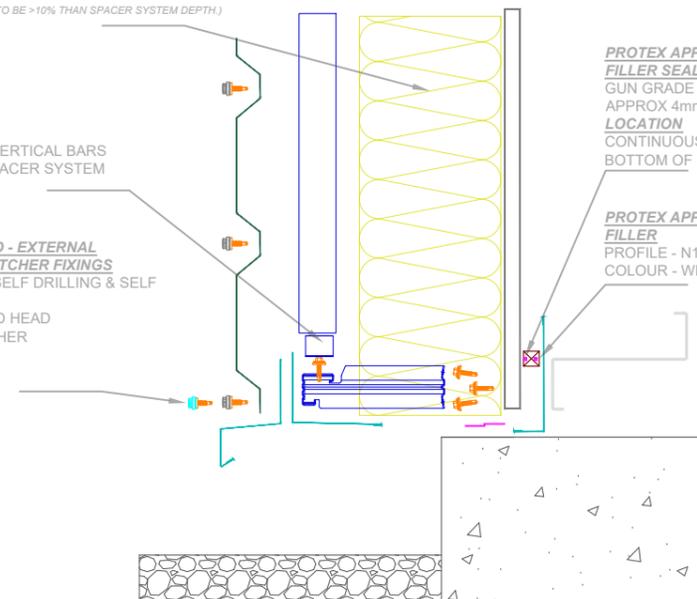
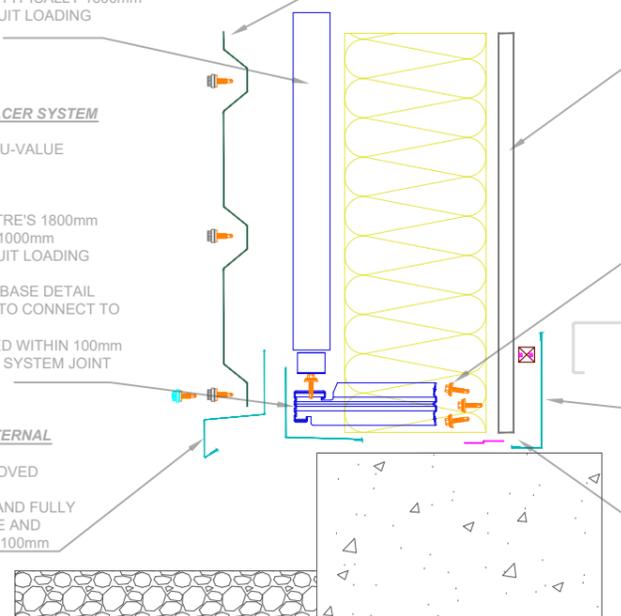
PROTEX APPROVED - EXTERNAL DRIP FLASHING
COATING - PROTEX APPROVED
GAUGE - 0.7mm
JOINTS BUTT STRAPPED AND FULLY SEALED WITH BUTYL TAPE AND FRONT FACE RIVETED AT 100mm CENTRES

PROTEX APPROVED - INTERNAL CLOSURE FLASHING
COATING - BRIGHT WHITE LINER
GAUGE - 0.7mm

PROTEX APPROVED - EXTERNAL DRIP FLASHING STITCHER FIXINGS
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
450mm CENTRES

PROTEX APPROVED - FOAM FILLER
PROFILE - N1000L+
COLOUR - WHITE

PROTEX APPROVED - FLASHING SEALANT
50mm * 1mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN.



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

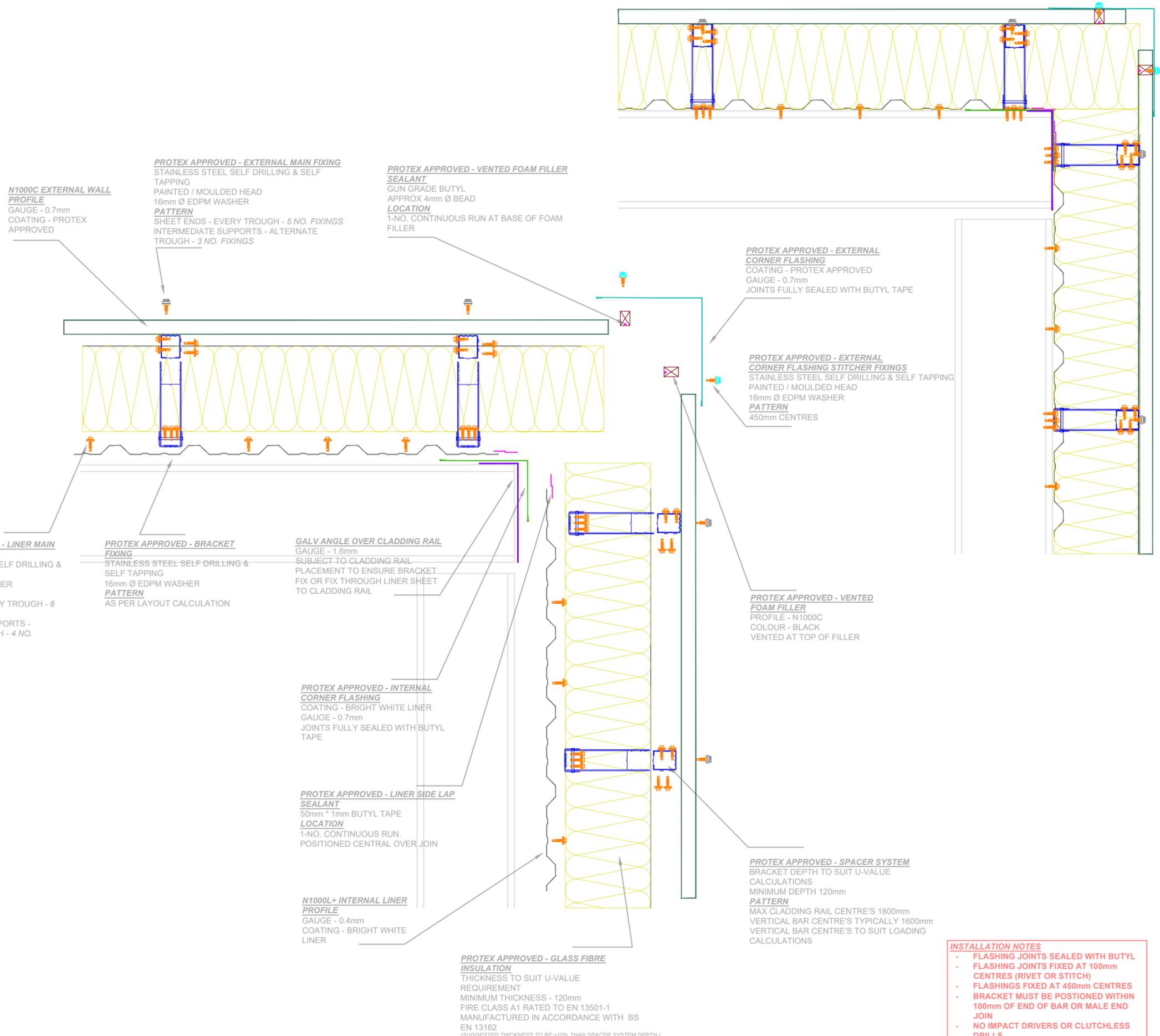
REV	DATE	DESCRIPTION



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Drawing Number Protex-WS02-3 Drip Detail			
Drawn by KP	Checked by TO	Date 24/09/2024	
Project Title PRX-WS-02		Size A3	Revision A

<<< DO NOT SCALE FROM THIS DRAWING >>>



N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

PROTEX APPROVED - VENTED FOAM FILLER SEALANT
GUN GRADE BUTYL
APPROX 4mm Ø BEAD
LOCATION
1-NO. CONTINUOUS RUN AT BASE OF FOAM FILLER

PROTEX APPROVED - EXTERNAL CORNER FLASHING
COATING - PROTEX APPROVED
GAUGE - 0.7mm
JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - EXTERNAL CORNER FLASHING STITCHER FIXINGS
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
450mm CENTRES

PROTEX APPROVED - VENTED FOAM FILLER
PROFILE - N1000C
COLOUR - BLACK
VENTED AT TOP OF FILLER

PROTEX APPROVED - LINER MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 6 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 4 NO. FIXINGS

PROTEX APPROVED - BRACKET FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
AS PER LAYOUT CALCULATION

GALV ANGLE OVER CLADDING RAIL
GAUGE - 1.6mm
SUBJECT TO CLADDING RAIL PLACEMENT TO ENSURE BRACKET FIX OR FIX THROUGH LINER SHEET TO CLADDING RAIL

PROTEX APPROVED - INTERNAL CORNER FLASHING
COATING - BRIGHT WHITE LINER
GAUGE - 0.7mm
JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - LINER SIDE LAP SEALANT
50mm * 1mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN. POSITIONED CENTRAL OVER JOIN

N1000L+ INTERNAL LINER PROFILE
GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER

PROTEX APPROVED - GLASS FIBRE INSULATION
THICKNESS TO SUIT U-VALUE REQUIREMENT
MINIMUM THICKNESS - 120mm
FIRE CLASS A1 RATED TO EN 13501-1
MANUFACTURED IN ACCORDANCE WITH BS EN 13162
(SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

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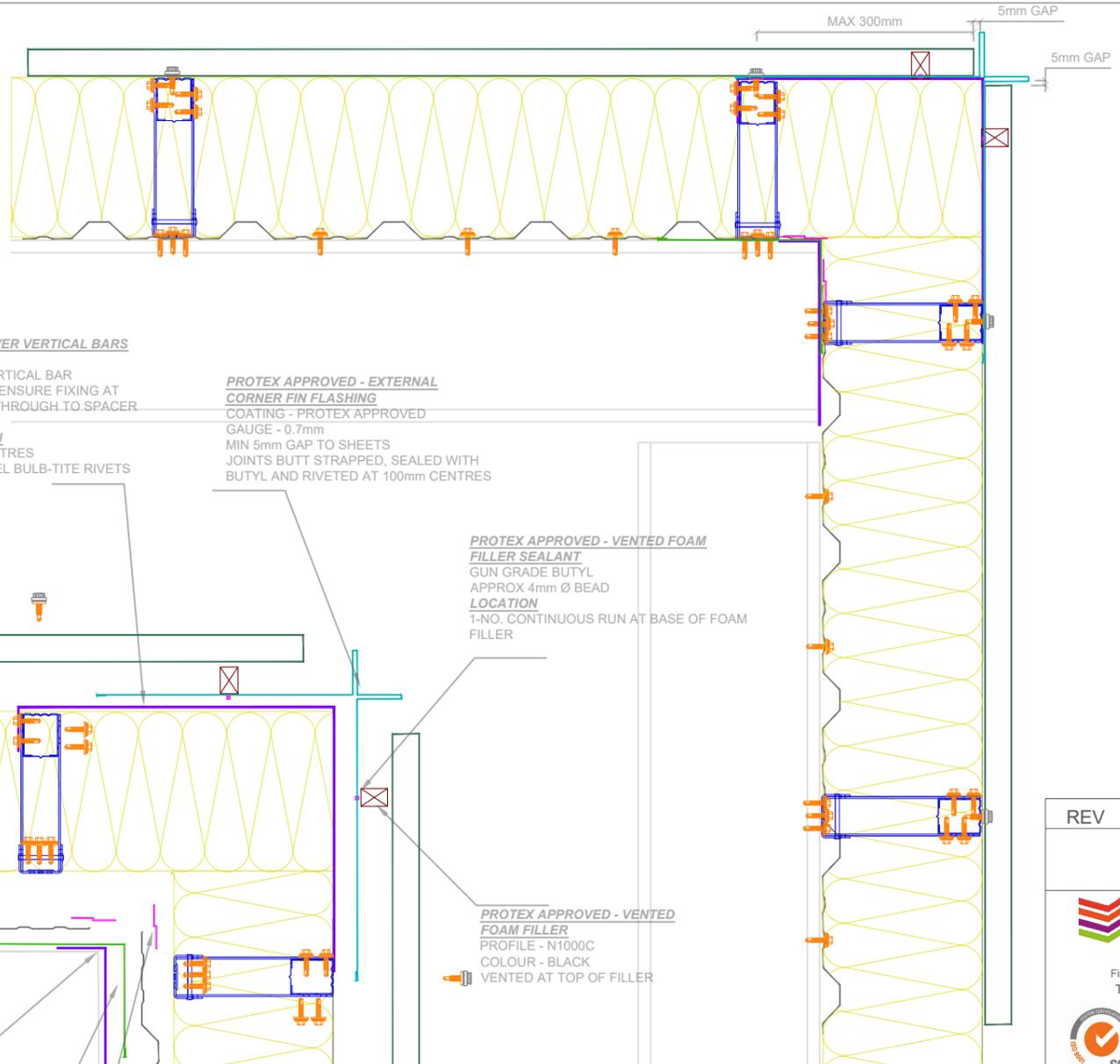
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Drawing Number
Protex-WS02-4 Standard External Corner

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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<<< DO NOT SCALE FROM THIS DRAWING >>>



N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

GALV ANGLE OVER VERTICAL BARS
GAUGE - 1.6mm
SUBJECT TO VERTICAL BAR PLACEMENT TO ENSURE FIXING AT END OF SHEET THROUGH TO SPACER SYSTEM
FIXING PATTERN
MAX 450mm CENTRES
STAINLESS STEEL BULB-TITE RIVETS

PROTEX APPROVED - EXTERNAL CORNER FIN FLASHING
COATING - PROTEX APPROVED
GAUGE - 0.7mm
MIN 5mm GAP TO SHEETS
JOINTS BUTT STRAPPED, SEALED WITH BUTYL AND RIVETED AT 100mm CENTRES

PROTEX APPROVED - VENTED FOAM FILLER SEALANT
GUN GRADE BUTYL
APPROX 4mm Ø BEAD
LOCATION
1-NO. CONTINUOUS RUN AT BASE OF FOAM FILLER

PROTEX APPROVED - VENTED FOAM FILLER
PROFILE - N1000C
COLOUR - BLACK
VENTED AT TOP OF FILLER

PROTEX APPROVED - GLASS FIBRE INSULATION
THICKNESS TO SUIT U-VALUE REQUIREMENT
MINIMUM THICKNESS - 120mm
FIRE CLASS A1 RATED TO EN 13501-1
MANUFACTURED IN ACCORDANCE WITH BS EN 13162
(SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH)

PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

GALV ANGLE OVER CLADDING RAIL
GAUGE - 1.6mm
SUBJECT TO CLADDING RAIL PLACEMENT TO ENSURE BRACKET FIX OR FIX THROUGH LINER SHEET TO CLADDING RAIL

PROTEX APPROVED - LINER MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 6 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 4 NO. FIXINGS

PROTEX APPROVED - BRACKET FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
AS PER LAYOUT CALCULATION

PROTEX APPROVED - INTERNAL CORNER FLASHING
COATING - BRIGHT WHITE LINER
GAUGE - 0.7mm
JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - LINER SIDE LAP SEALANT
50mm * 1mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN, POSITIONED CENTRAL OVER JOIN

N1000L+ INTERNAL LINER PROFILE
GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION

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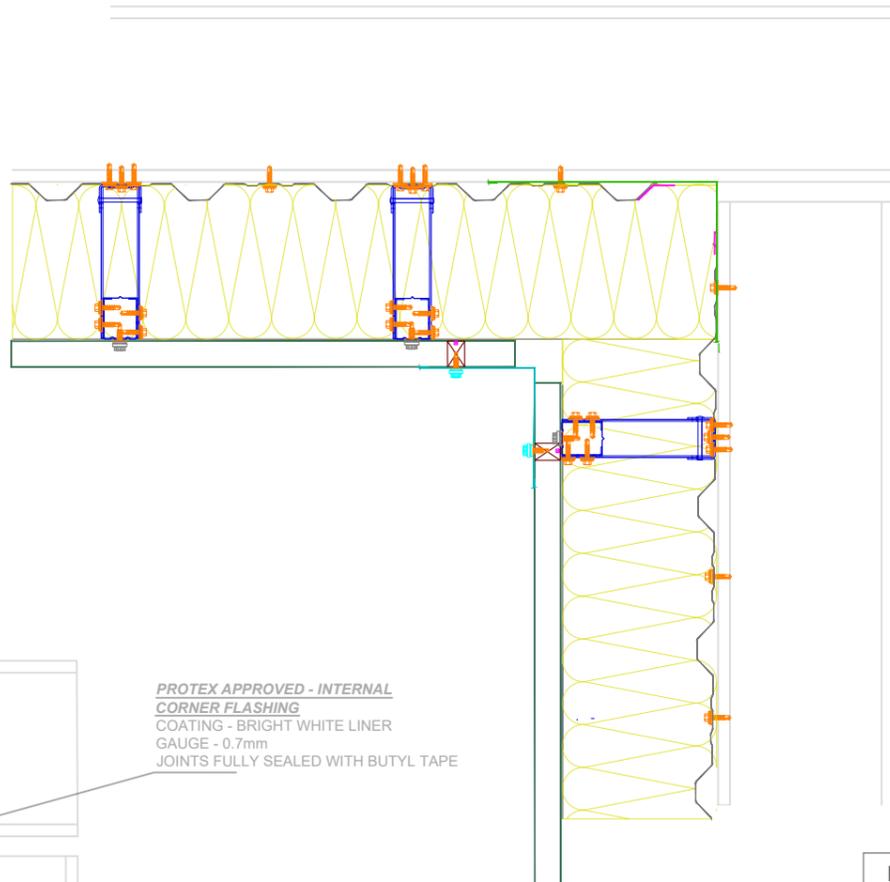
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Drawing Number
Protex-WS02-4.1 External Corner Fin Flashing

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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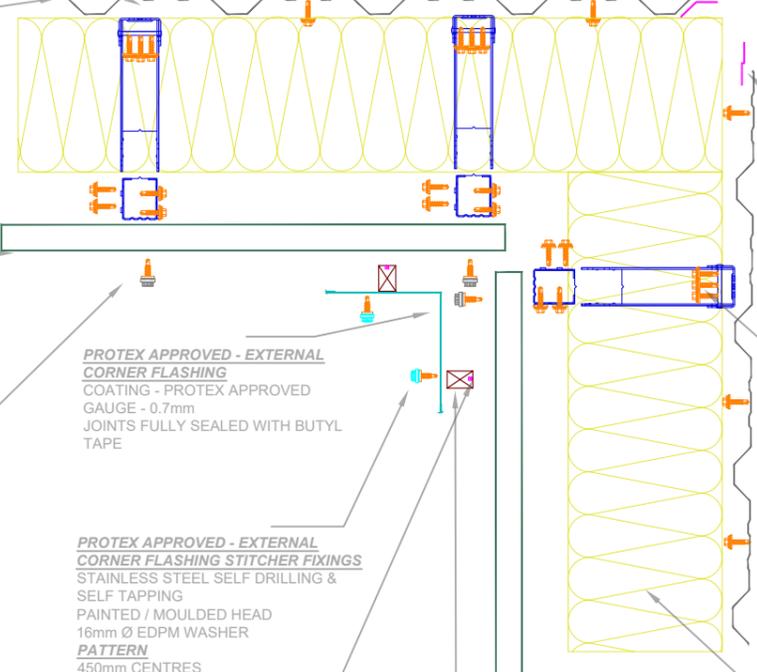
PROTEX APPROVED - BRACKET FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 16mm Ø EDPM WASHER
PATTERN
 AS PER LAYOUT CALCULATION

PROTEX APPROVED - LINER MAIN FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 16mm Ø EDPM WASHER
PATTERN
 SHEET ENDS - EVERY TROUGH - 6 NO. FIXINGS
 INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 4 NO. FIXINGS

PROTEX APPROVED - INTERNAL CORNER FLASHING
 COATING - BRIGHT WHITE LINER
 GAUGE - 0.7mm
 JOINTS FULLY SEALED WITH BUTYL TAPE

N1000L+ INTERNAL LINER PROFILE
 GAUGE - 0.4mm
 COATING - BRIGHT WHITE LINER

N1000C EXTERNAL WALL PROFILE
 GAUGE - 0.7mm
 COATING - PROTEX APPROVED



PROTEX APPROVED - EXTERNAL MAIN FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 16mm Ø EDPM WASHER
PATTERN
 SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
 INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

PROTEX APPROVED - EXTERNAL CORNER FLASHING
 COATING - PROTEX APPROVED
 GAUGE - 0.7mm
 JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - EXTERNAL CORNER FLASHING STITCHER FIXINGS
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 16mm Ø EDPM WASHER
PATTERN
 450mm CENTRES

PROTEX APPROVED - VENTED FOAM FILLER SEALANT
 GUN GRADE BUTYL
 APPROX 4mm Ø BEAD
LOCATION
 1-NO. CONTINUOUS RUN AT BASE OF FOAM FILLER

PROTEX APPROVED - VENTED FOAM FILLER
 PROFILE - N1000C
 COLOUR - BLACK
 VENTED AT TOP OF FILLER

PROTEX APPROVED - LINER SIDE LAP SEALANT
 50mm * 1mm BUTYL TAPE
LOCATION
 1-NO. CONTINUOUS RUN. POSITIONED CENTRAL OVER JOIN

PROTEX APPROVED - SPACER SYSTEM
 BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
 MINIMUM DEPTH 120mm
PATTERN
 MAX CLADDING RAIL CENTRE'S 1800mm
 VERTICAL BAR CENTRE'S TYPICALLY 1600mm
 VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED - GLASS FIBRE INSULATION
 THICKNESS TO SUIT U-VALUE REQUIREMENT
 MINIMUM THICKNESS - 120mm
 FIRE CLASS A1 RATED TO EN 13501-1
 MANUFACTURED IN ACCORDANCE WITH BS EN 13162
 (SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION

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UK CA



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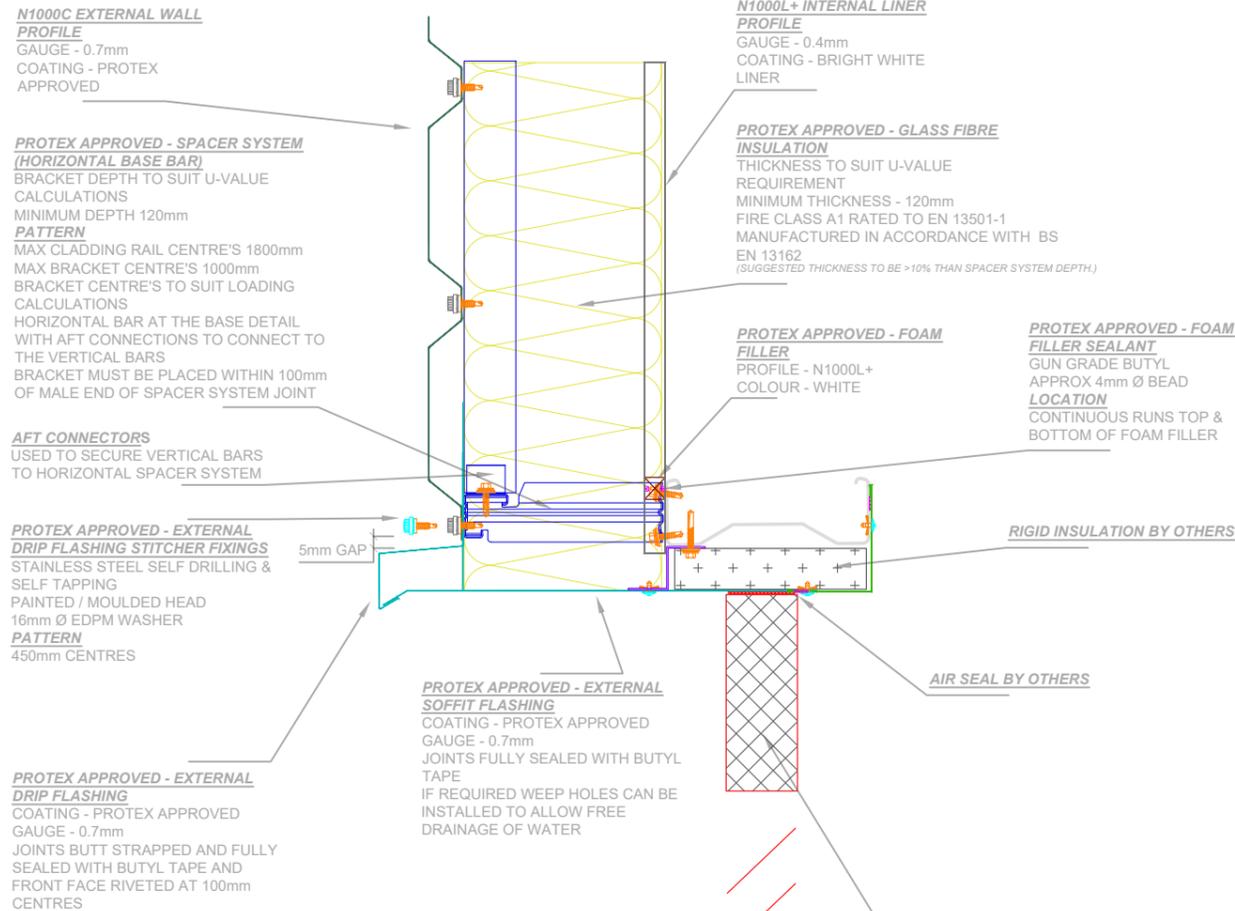
Drawing Number
Protex-WS02-5 Internal Corner

Drawn by **KP** Checked by **TO** Date **24/09/2024**

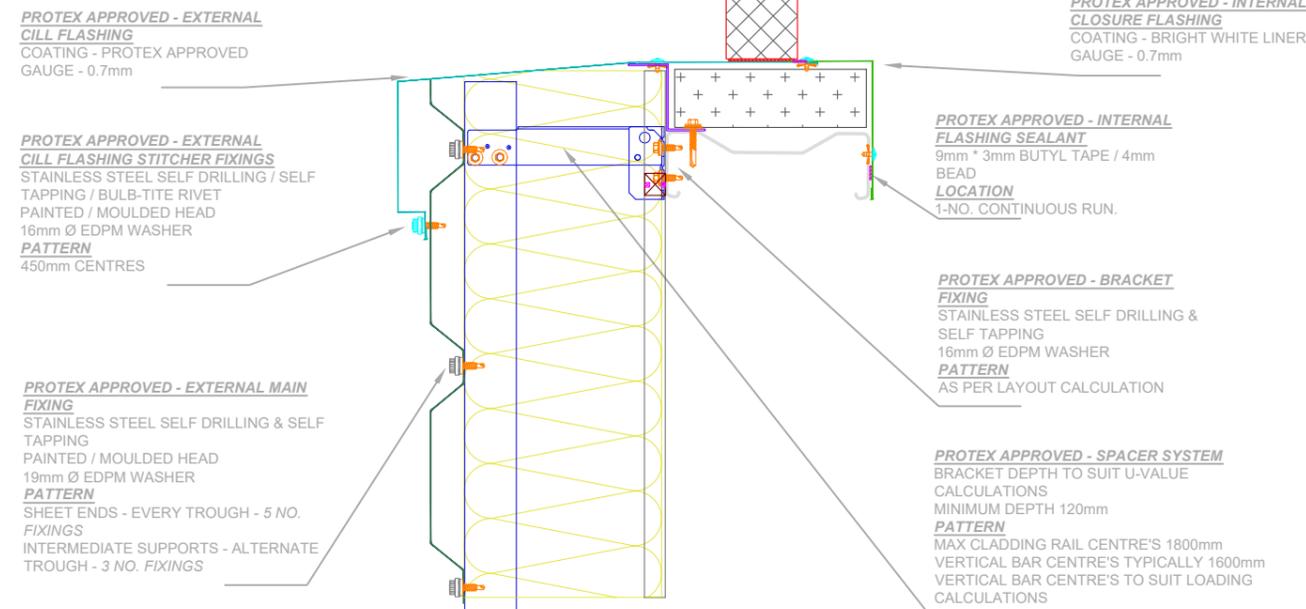
Project Title **PRX-WS-02** Size **A3** Revision **A**

<<< DO NOT SCALE FROM THIS DRAWING >>>

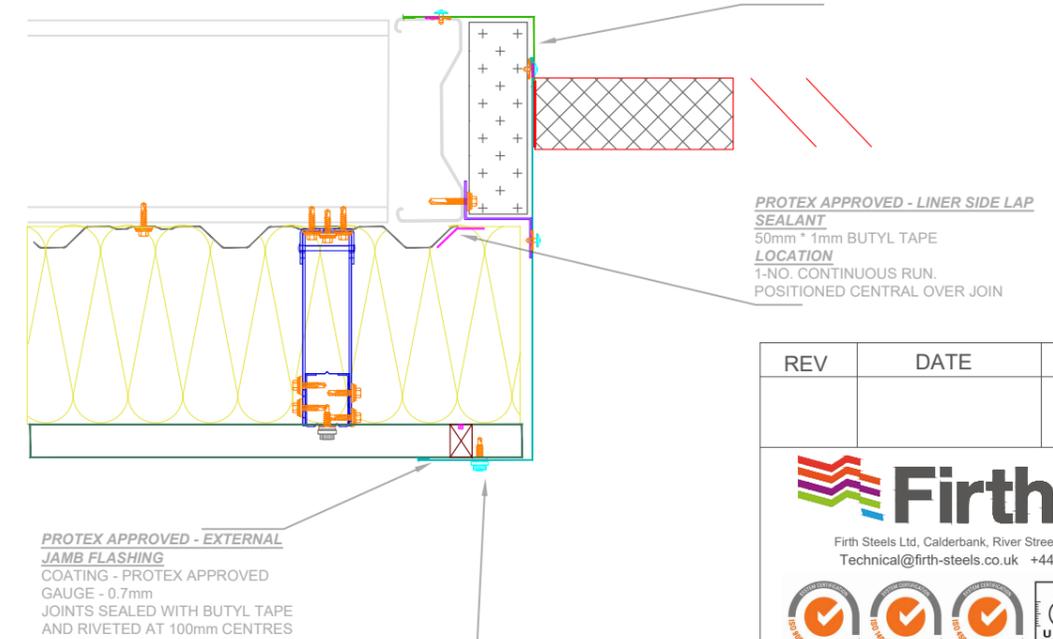
DOOR / WINDOW HEADER DETAIL



WINDOW CILL DETAIL



DOOR / WINDOW JAMB DETAIL



INSTALLATION NOTES

- FLASHING JOINTS SEALED WITH BUTYL
- FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
- FLASHINGS FIXED AT 450mm CENTRES
- BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
- NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
- NO CARBON FIXINGS

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LPCB
UKAS
LPS 1181 Cert/LPCB Ref. 1611a

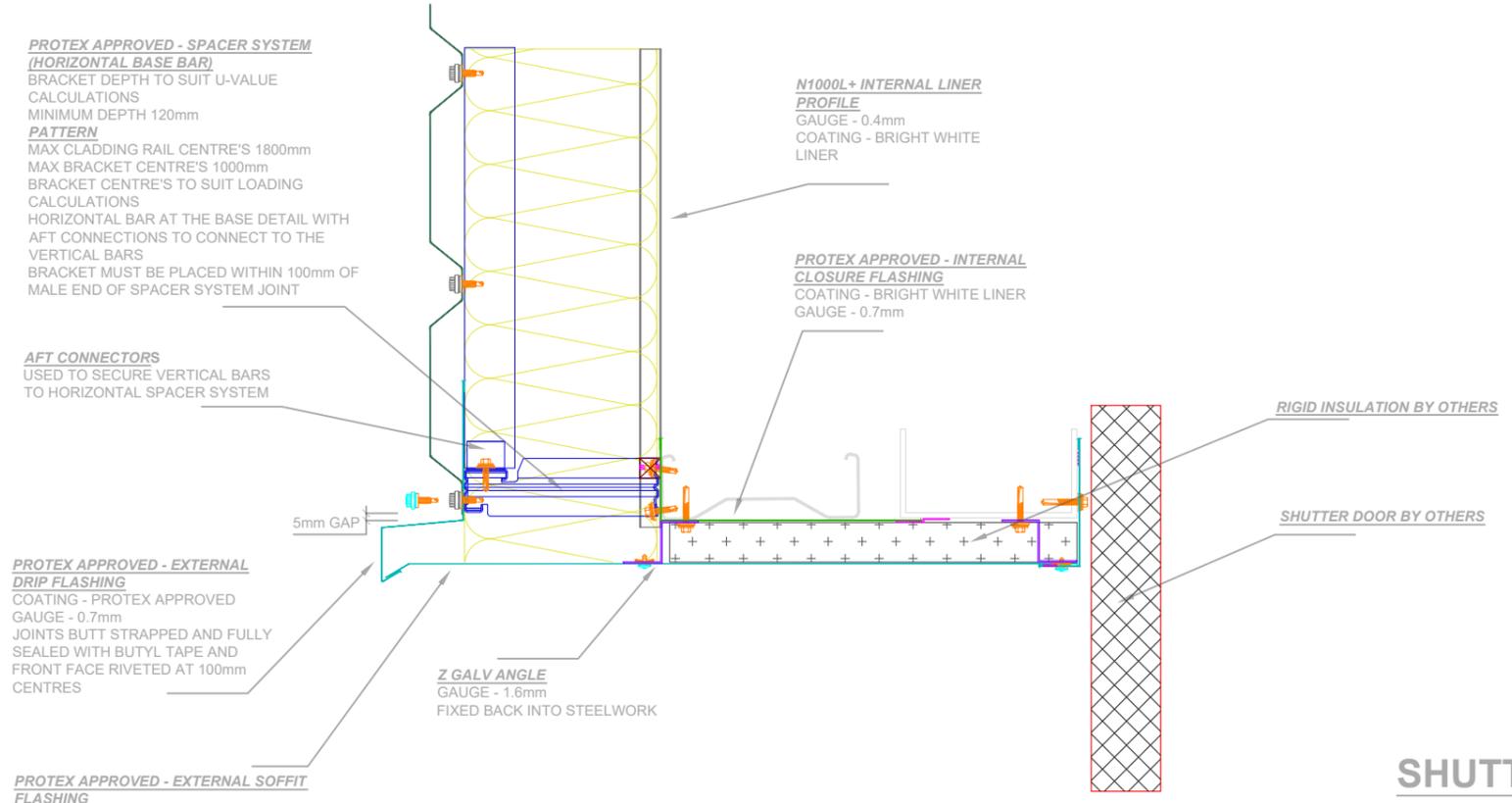
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Drawing Number
Protex-WS02-6 Window / Personnel Door

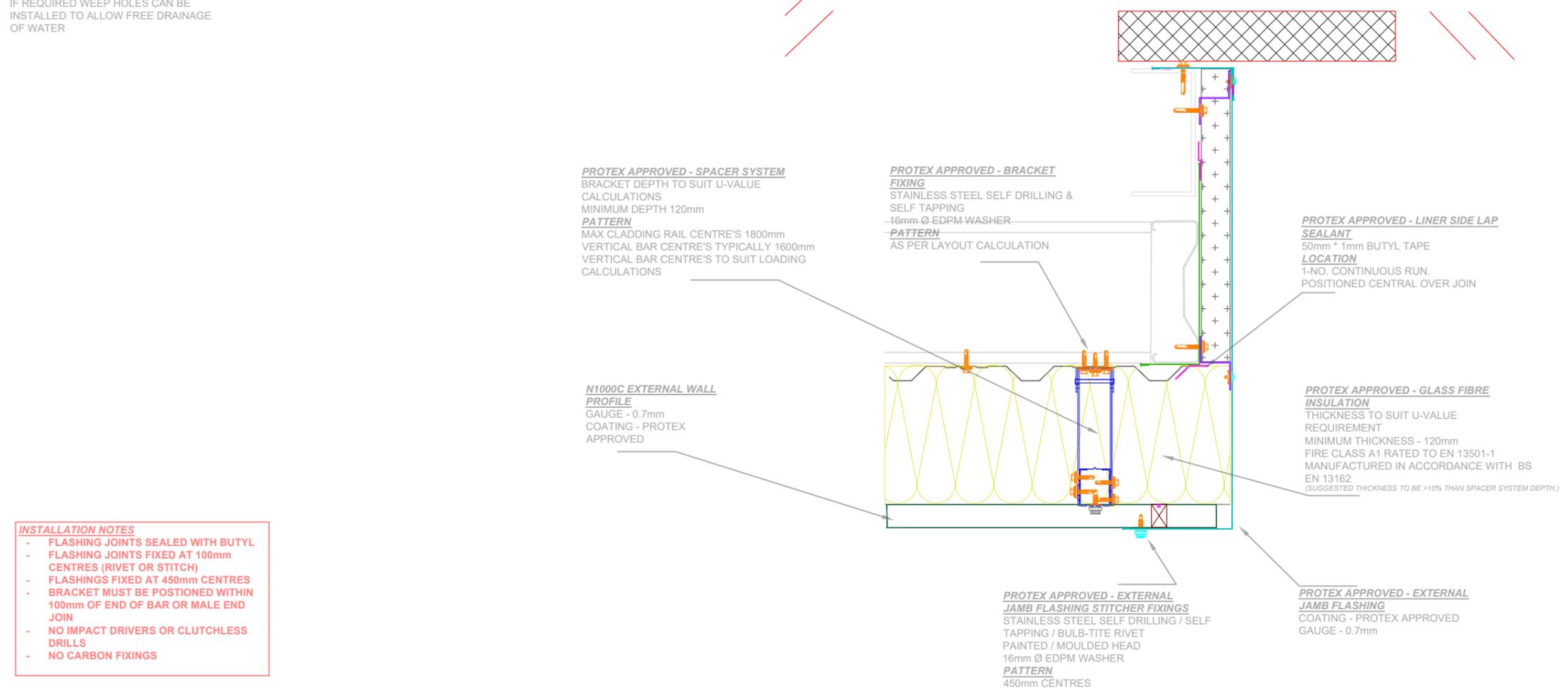
Drawn by KP	Checked by TO	Date 24/09/2024
Project Title PRX-WS-02	Size A3	Revision A

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SHUTTER DOOR HEADER DETAIL



SHUTTER DOOR JAMB DETAIL



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LPS 1181 CurtLPCB ref. 1611a

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Drawing Number
Protex-WS02-7 Shutter Door Detail

Drawn by
 KP

Checked by
 TO

Date
 24/09/2024

Project Title
 PRX-WS-02

Size
 A3

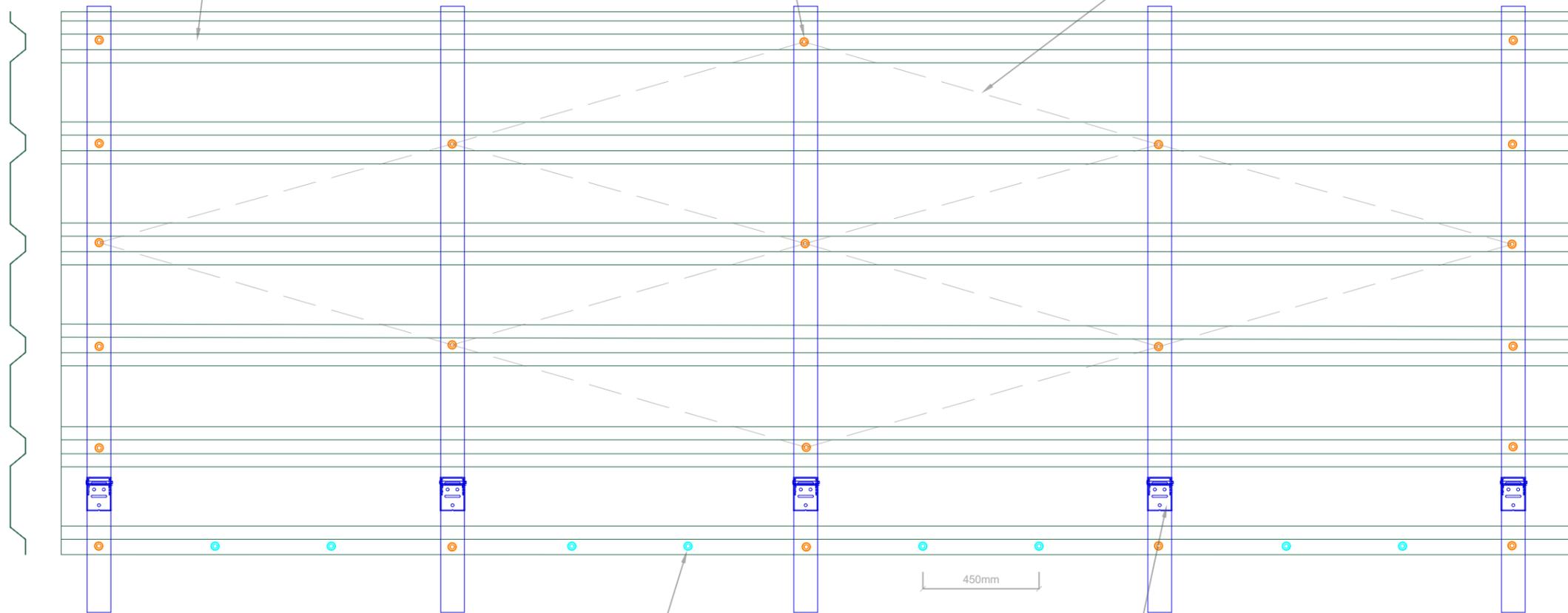
Revision
 A

<<< DO NOT SCALE FROM THIS DRAWING >>>

N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
19mm Ø EDM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

DIAMOND FIXING PATTERN - OPTIONAL
INTERMEDIATE MAIN FIXINGS
POSITIONED IN A DIAMOND PATTERN



TYPICALLY - 1600mm - SUBJECT TO WIND LOAD CALCULATIONS

450mm

PROTEX APPROVED - EXTERNAL STITCHER FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDM WASHER
PATTERN
SIDE LAP TROUGH - 450mm CENTRES

PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

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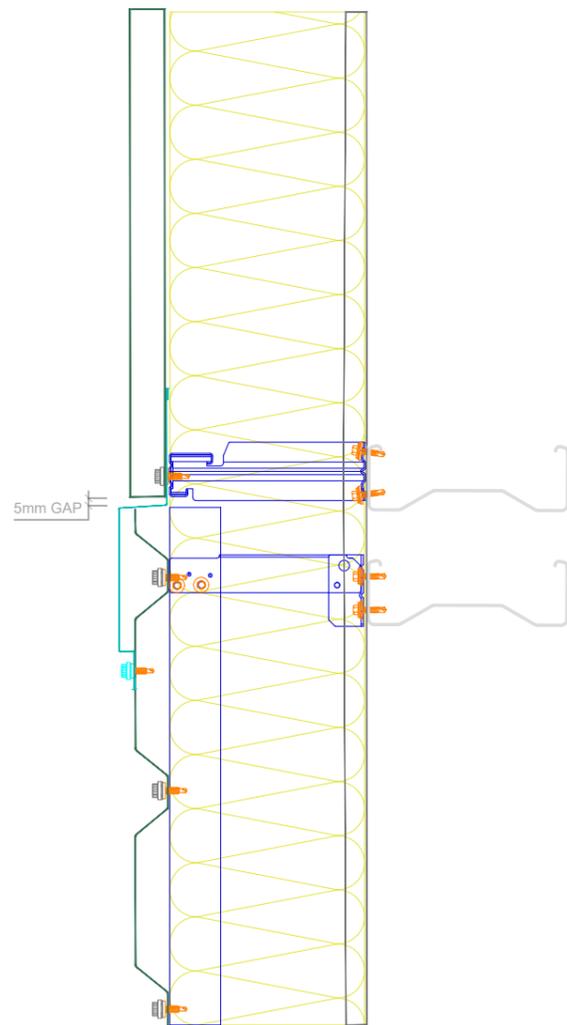
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Drawing Number
Protex-WS02-8 Diamond Fixing Pattern

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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<<< DO NOT SCALE FROM THIS DRAWING >>>



PRX-WS-01 WALL SYSTEM

PROTEX APPROVED - EXTERNAL FLASHING
 COATING - PROTEX APPROVED
 GAUGE - 0.7mm
 JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - EXTERNAL FLASHING STITCHER FIXINGS
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 16mm Ø EDPM WASHER
PATTERN
 450mm CENTRES

PROTEX APPROVED - EXTERNAL MAIN FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 19mm Ø EDPM WASHER
PATTERN
 SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
 INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

N1000C EXTERNAL WALL PROFILE
 GAUGE - 0.7mm
 COATING - PROTEX APPROVED

PROTEX APPROVED - SPACER SYSTEM
 BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
 MINIMUM DEPTH 120mm
PATTERN
 MAX CLADDING RAIL CENTRE'S 1800mm
 VERTICAL BAR CENTRE'S TYPICALLY 1600mm
 VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED - BRACKET FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 16mm Ø EDPM WASHER
PATTERN
 AS PER LAYOUT CALCULATION

N1000L+ INTERNAL LINER PROFILE
 GAUGE - 0.4mm
 COATING - BRIGHT WHITE LINER

PROTEX APPROVED - GLASS FIBRE INSULATION
 THICKNESS TO SUIT U-VALUE REQUIREMENT
 MINIMUM THICKNESS - 120mm
 FIRE CLASS A1 RATED TO EN 13501-1
 MANUFACTURED IN ACCORDANCE WITH BS EN 13162
 (SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

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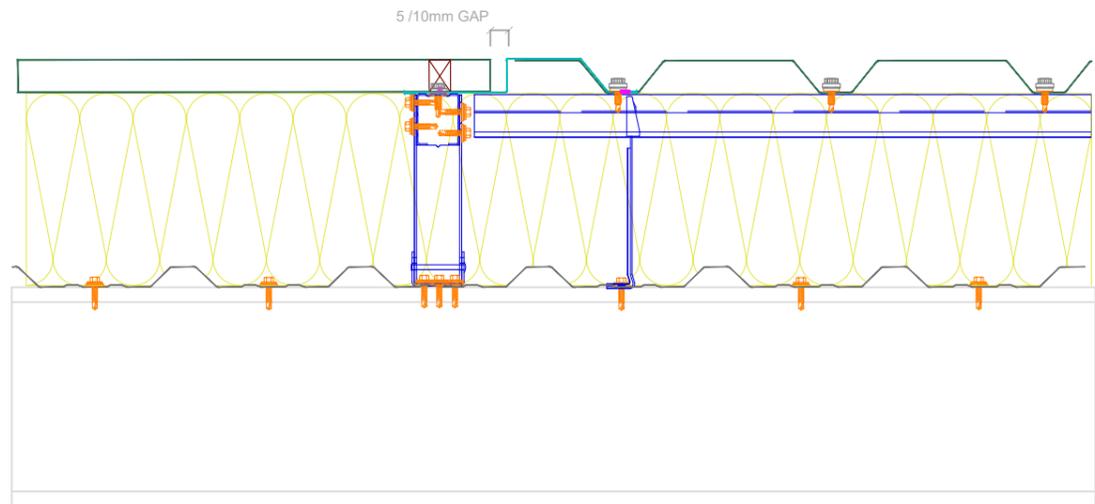
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Drawing Number
Protex-WS02-9 Horizontal to Vertical Above

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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PROTEX APPROVED - VENTED FOAM FILLER SEALANT
 GUN GRADE BUTYL
 APPROX 4mm Ø BEAD
LOCATION
 1-NO. CONTINUOUS RUN AT BASE OF FOAM FILLER

PROTEX APPROVED - VENTED FOAM FILLER
 PROFILE - N1000C
 COLOUR - BLACK
 VENTED AT TOP OF FILLER

PROTEX APPROVED - EXTERNAL FLASHING
 COATING - PROTEX APPROVED
 GAUGE - 0.7mm
 JOINTS FULLY SEALED WITH BUTYL TAPE

PROTEX APPROVED - EXTERNAL FLASHING STITCHER FIXINGS
 STAINLESS STEEL SELF DRILLING / SELF TAPPING
 PAINTED / MOULDED HEAD
 16mm Ø EDPM WASHER
PATTERN
 450mm CENTRES

PROTEX APPROVED - FLASHING SEALANT
 9mm * 3mm BUTYL TAPE / 4mm BEAD
LOCATION
 1-NO. CONTINUOUS RUN
 POSITIONED WEATHER SIDE OF FIXING

PROTEX APPROVED - EXTERNAL MAIN FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 19mm Ø EDPM WASHER
PATTERN
 SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
 INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

N1000C EXTERNAL WALL PROFILE
 GAUGE - 0.7mm
 COATING - PROTEX APPROVED

PROTEX APPROVED - GLASS FIBRE INSULATION
 THICKNESS TO SUIT U-VALUE REQUIREMENT
 MINIMUM THICKNESS - 120mm
 FIRE CLASS A1 RATED TO EN 13501-1
 MANUFACTURED IN ACCORDANCE WITH BS EN 13162
 (SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

N1000L+ INTERNAL LINER PROFILE
 GAUGE - 0.4mm
 COATING - BRIGHT WHITE LINER

PROTEX APPROVED - SPACER SYSTEM
 BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
 MINIMUM DEPTH 120mm
PATTERN
 MAX CLADDING RAIL CENTRE'S 1800mm
 VERTICAL BAR CENTRE'S TYPICALLY 1600mm
 VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED - BRACKET FIXING
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 16mm Ø EDPM WASHER
PATTERN
 AS PER LAYOUT CALCULATION

PRX-WS-01 WALL SYSTEM

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

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LPS 1181 CurtLPCB ref. 1611a

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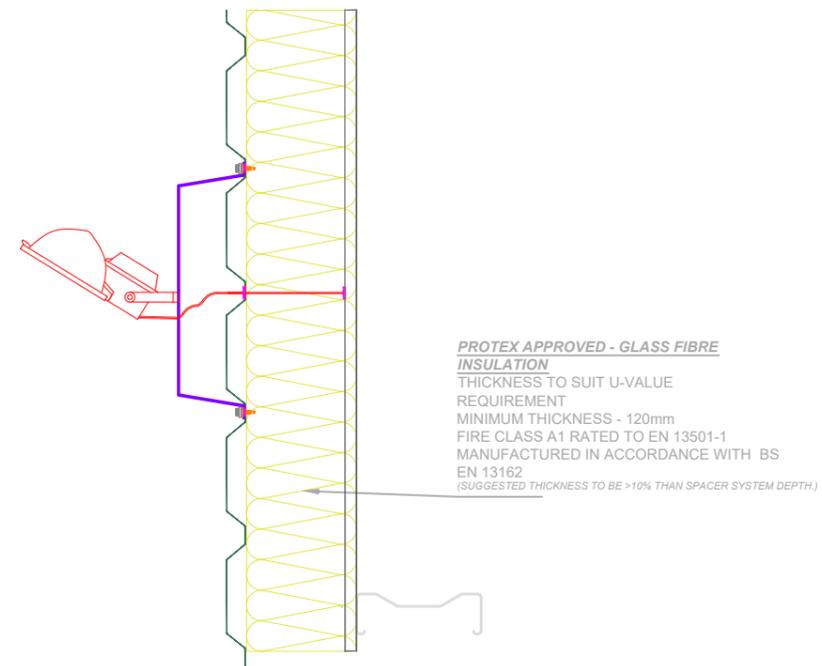
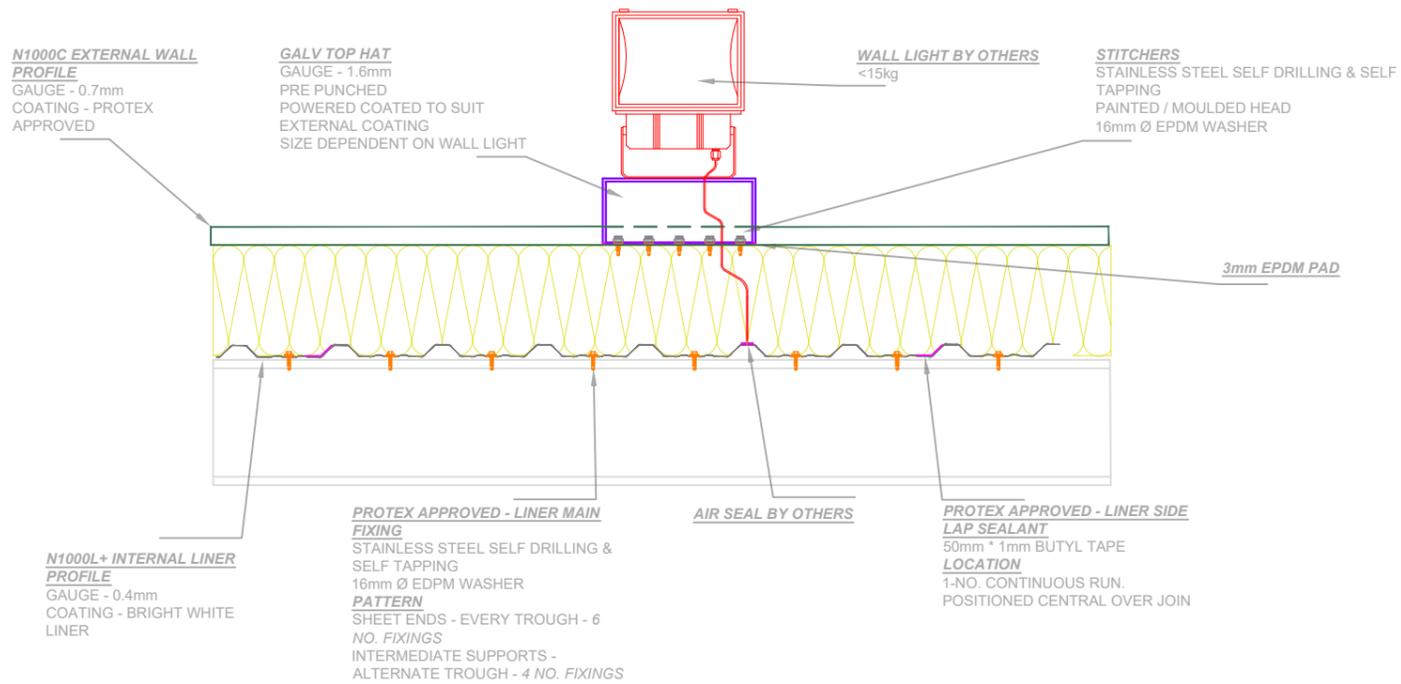
Drawing Number
Protex-WS02-10 Horizontal to Vertical Adjacent

Drawn by KP	Checked by TO	Date 24/09/2024
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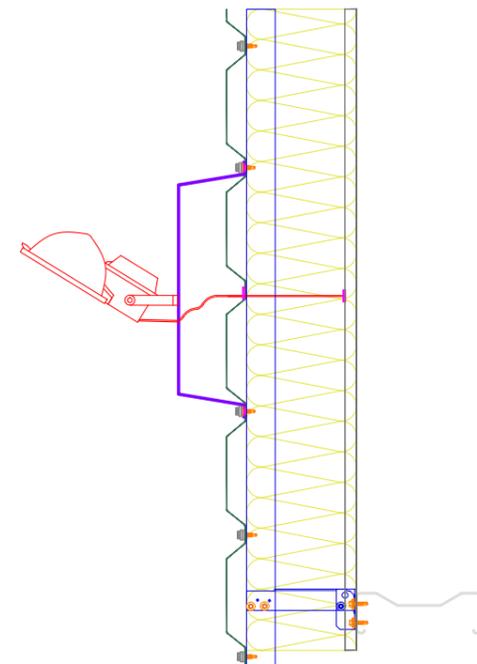
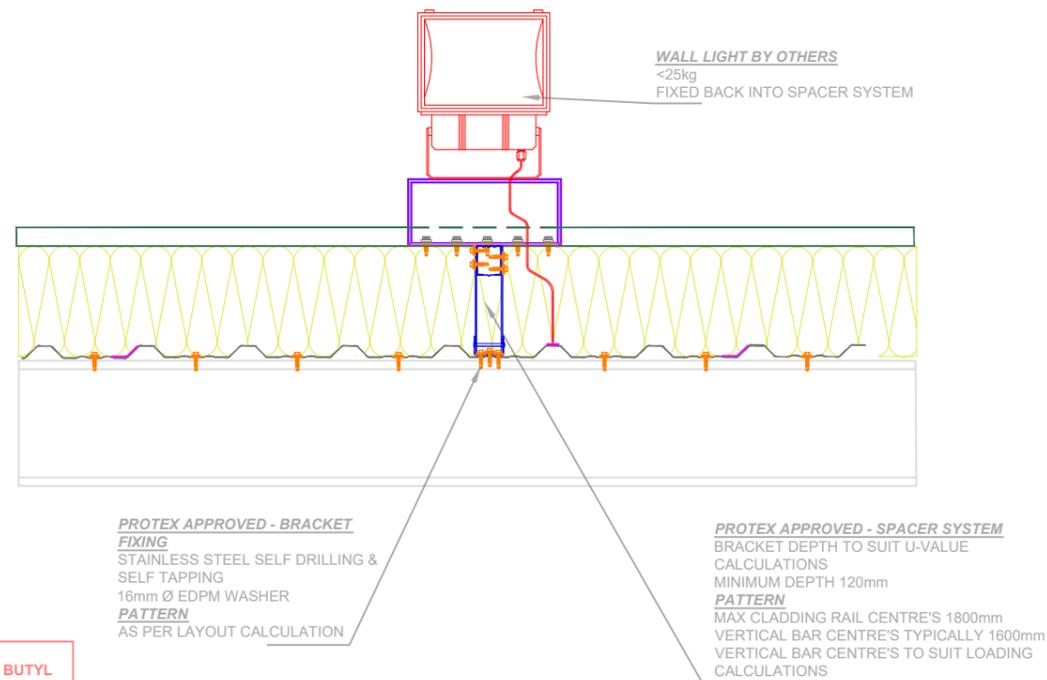
Project Title PRX-WS-02	Size A3	Revision A
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WALL LIGHT UNDER 15kg



WALL LIGHT UNDER 25kg



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

*CONTACT FIRTH STEELS TECHNICAL FOR LOADINGS ABOVE 25kg
technical@firth-steels.co.uk

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Drawing Number
Protex-WS02-11 Light Fixing

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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SIGN UNDER 15kg/m²

N1000C EXTERNAL WALL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

SIGN AND FIXING DETAIL BY OTHERS
<15kg/m²
15mm GAP OFF WALL SHEETS

N1000L+ INTERNAL LINER PROFILE
GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER

PROTEX APPROVED - LINER MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 6
NO. FIXINGS
INTERMEDIATE SUPPORTS -
ALTERNATE TROUGH - 4 NO. FIXINGS

PROTEX APPROVED - LINER SIDE LAP SEALANT
50mm * 1mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN,
POSITIONED CENTRAL OVER JOIN

PROTEX APPROVED - GLASS FIBRE INSULATION
THICKNESS TO SUIT U-VALUE REQUIREMENT
MINIMUM THICKNESS - 120mm
FIRE CLASS A1 RATED TO EN 13501-1
MANUFACTURED IN ACCORDANCE WITH BS EN 13162
(SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

SIGN UNDER 50kg/m²

3mm EPDM PAD

SIGN AND FIXING DETAIL BY OTHERS
<50kg/m²
FIXED BACK INTO SPACER SYSTEM

GALV TOP HAT
GAUGE - 1.6mm
PRE PUNCHED
POWERED COATED TO SUIT
EXTERNAL COATING
SIZE DEPENDENT ON SIGN

PROTEX APPROVED - BRACKET FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
16mm Ø EDPM WASHER
PATTERN
AS PER LAYOUT CALCULATION

PROTEX APPROVED - SPACER SYSTEM
BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
MINIMUM DEPTH 120mm
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
VERTICAL BAR CENTRE'S TYPICALLY 1600mm
VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOIN
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

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Drawing Number
Protex-WS02-12 Signage Fixing

Drawn by KP	Checked by TO	Date 24/09/2024
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Project Title PRX-WS-02	Size A3	Revision A
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LOUVRE HEADER & CILL DETAIL

PROTEX APPROVED - SPACER SYSTEM (HORIZONTAL BASE BAR)
 BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
 MINIMUM DEPTH 120mm
PATTERN
 MAX CLADDING RAIL CENTRE'S 1800mm
 MAX BRACKET CENTRE'S 1000mm
 BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS
 HORIZONTAL BAR AT THE BASE DETAIL WITH AFT CONNECTIONS TO CONNECT TO THE VERTICAL BARS
 BRACKET MUST BE PLACED WITHIN 100mm OF MALE END OF SPACER SYSTEM JOINT

PROTEX APPROVED - EXTERNAL DRIP FLASHING
 COATING - PROTEX APPROVED
 GAUGE - 0.7mm
 JOINTS BUTT STRAPPED AND FULLY SEALED WITH BUTYL TAPE AND FRONT FACE RIVETED AT 100mm CENTRES

PROTEX APPROVED - SPACER SYSTEM
 BRACKET DEPTH TO SUIT U-VALUE CALCULATIONS
 MINIMUM DEPTH 120mm
PATTERN
 MAX CLADDING RAIL CENTRE'S 1800mm
 VERTICAL BAR CENTRE'S TYPICALLY 1600mm
 VERTICAL BAR CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED - EXTERNAL FLASHING STITCHER FIXINGS
 STAINLESS STEEL SELF DRILLING & SELF TAPPING
 PAINTED / MOULDED HEAD
 16mm Ø EDPM WASHER
PATTERN
 450mm CENTRES

N1000C EXTERNAL WALL PROFILE
 GAUGE - 0.7mm
 COATING - PROTEX APPROVED

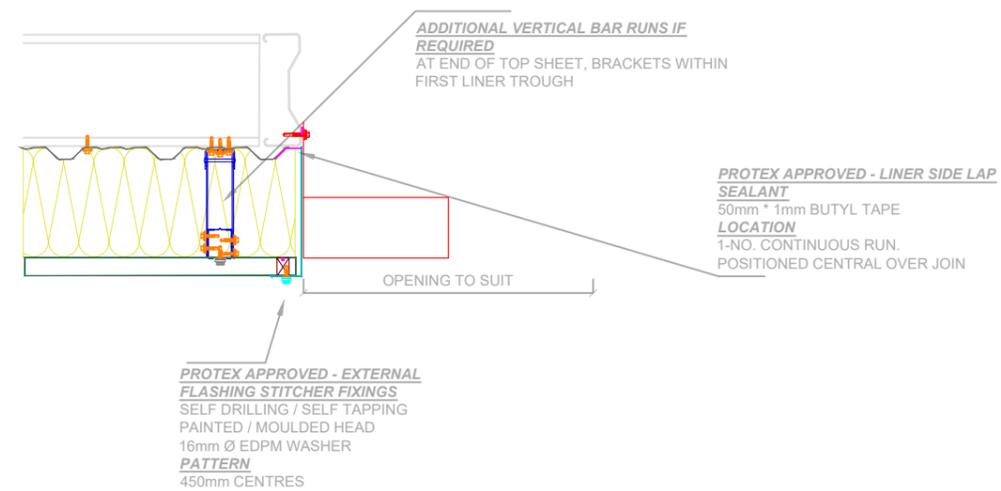
N1000L+ INTERNAL LINER PROFILE
 GAUGE - 0.4mm
 COATING - BRIGHT WHITE LINER

AFT CONNECTORS
 USED TO SECURE VERTICAL BARS TO HORIZONTAL SPACER SYSTEM

LOUVRE BY OTHERS
 FIXED BACK INTO STEELWORK AND SEALED TRIMMING STEEL IF REQUIRED

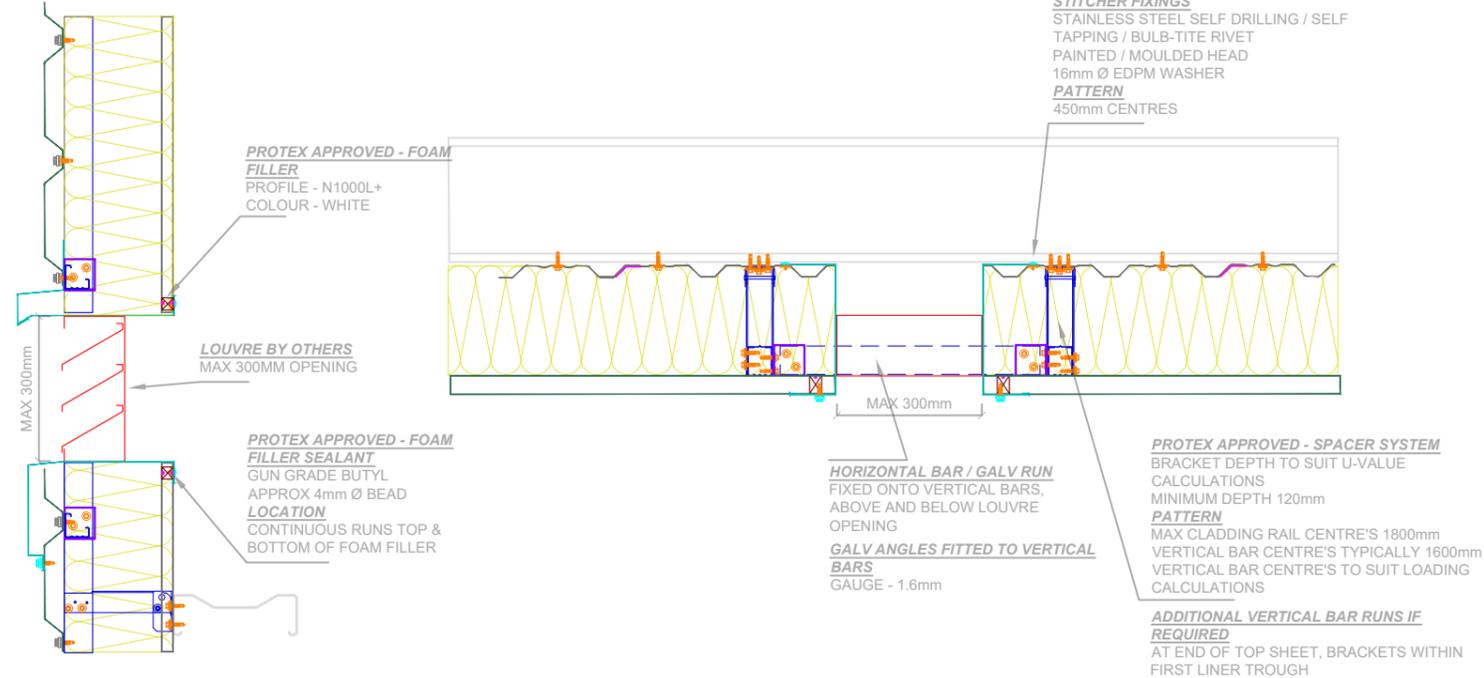
PROTEX APPROVED - GLASS FIBRE INSULATION
 THICKNESS TO SUIT U-VALUE REQUIREMENT
 MINIMUM THICKNESS - 120mm
 FIRE CLASS A1 RATED TO EN 13501-1
 MANUFACTURED IN ACCORDANCE WITH BS EN 13162
 (SUGGESTED THICKNESS TO BE >10% THAN SPACER SYSTEM DEPTH.)

LOUVRE JAMB DETAIL



LOUVRE HEADER & CILL DETAIL OPENINGS <300mm

LOUVRE JAMB DETAIL OPENINGS <300MM



- INSTALLATION NOTES**
- FLASHING JOINTS SEALED WITH BUTYL
 - FLASHING JOINTS FIXED AT 100mm CENTRES (RIVET OR STITCH)
 - FLASHINGS FIXED AT 450mm CENTRES
 - BRACKET MUST BE POSITIONED WITHIN 100mm OF END OF BAR OR MALE END JOINT
 - NO IMPACT DRIVERS OR CLUTCHLESS DRILLS
 - NO CARBON FIXINGS

REV	DATE	DESCRIPTION

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SGS SGS SGS UKAS PLANETMARK

PROTEX[®]

UK CA LPCB UKAS

LPS 1181 CurtLPCB ref. 1611a

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Drawing Number Protex-WS02-13 Louvre			
Drawn by KP	Checked by TO	Date 24/09/2024	
Project Title PRX-WS-02		Size A3	Revision A

<<< DO NOT SCALE FROM THIS DRAWING >>>