

N14/3 SINUS EXTERNAL PROFILE

GAUGE - 0.7mm
COATING - PROTEX APPROVED

PROTEX APPROVED - EXTERNAL STITCHER

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

PROTEX APPROVED - EXTERNAL MAIN FIXING

STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY 3NO. TROUGHS - 6 NO. FIXINGS
INTERMEDIATE SUPPORTS - EVERY 3NO TROUGHS - 6 NO. FIXINGS

PROTEX APPROVED - GLASS FIBRE

INSULATION
KNAUF FACTORY CLAD 40
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.)

APPROVED SPACER SYSTEM

BX48 BRACKETS & BARS
BRACKET DEPTH TO SUIT U-VALUE REQUIREMENT
MINIMUM DEPTH 120MM
EPDM THERMAL PAD
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
MAXIMUM VERTICAL BAR CENTRES 1200MM CENTRES
BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED- LINER STITCHER FIX

STAINLESS STEEL SELF DRILLING & SELF TAPPING / BULB-TITE RIVET
16MM Ø EDPM WASHER
PATTERN
SIDE LAP - 300mm CENTRES
FIXED INSIDE TO OUTSIDE

PROTEX APPROVED - LINER END LAP SEALANT

4mm / 9mm * 3mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN.
POSITIONED 15mm ABOVE CENTRAL FIXING LINE

N1000L+ INTERNAL LINER PROFILE

GAUGE - 0.4mm
COATING - BRIGHT WHITE LINER

INSULATION HANGERS

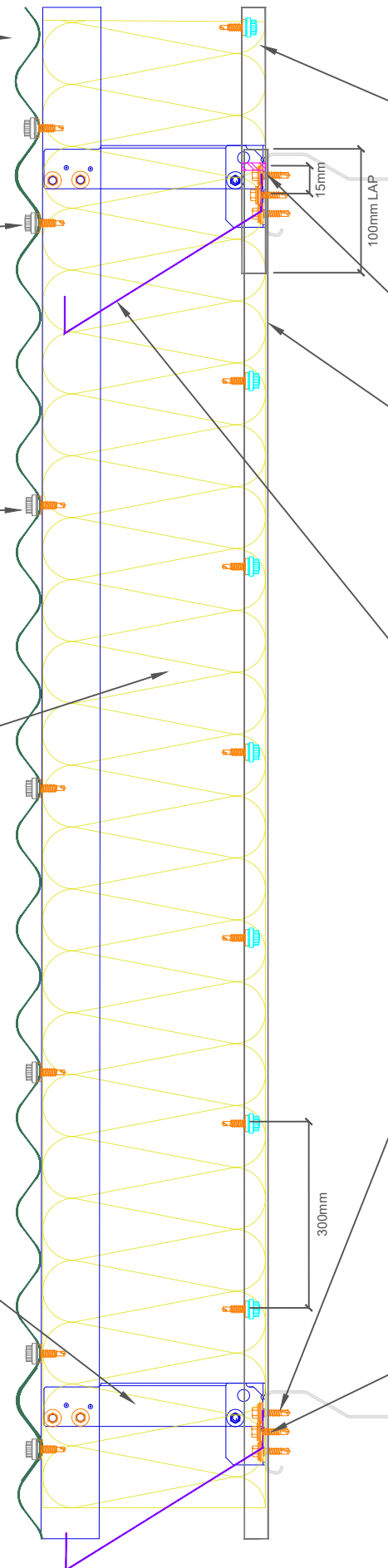
2 NO. PER PROFILE WIDTH
DEPTH 20MM SHORTER THAN BRACKETS
1.5MM GALVANISED
30MM WIDE X 100M DEEP

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



REV	DATE	DESCRIPTION



This draft drawing has been supplied by Firth Steels Ltd for guidance purposes only and is provided free of charge. It represents a suggested typical detail and should not be assumed as suitable for any specific project or application. It is essential to read this in conjunction with the Protex System specification documents to ensure completeness of information. Please note, no responsibility is assumed for errors or misinterpretations resulting from the information contained within this drawing. Details depicted are for illustration purposes only, and no liability is accepted for their use. Firth Steels reserves the right to modify details without notice. This drawing is the property of Firth Steels Ltd, any reproduction without explicit written consent is prohibited. Firth Steels is committed to ongoing improvement. The details and data shared in this document are reflective of the current state as of the issue date. It is the duty of the recipients to ensure that the information in this document is still up-to-date at the time of its use.

Drawing Number
Protex-FWS04-1 60/15 Side Lap Detail

Fire Resistance
**60 Minutes Integrity
15 Minutes Insulation**

Drawn by: KP
Checked by: TO
Date: 16/10/2024

Project Title: PRX-FIREWALLS
Size: A3
Revision: A

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

N14/3 SINUS EXTERNAL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

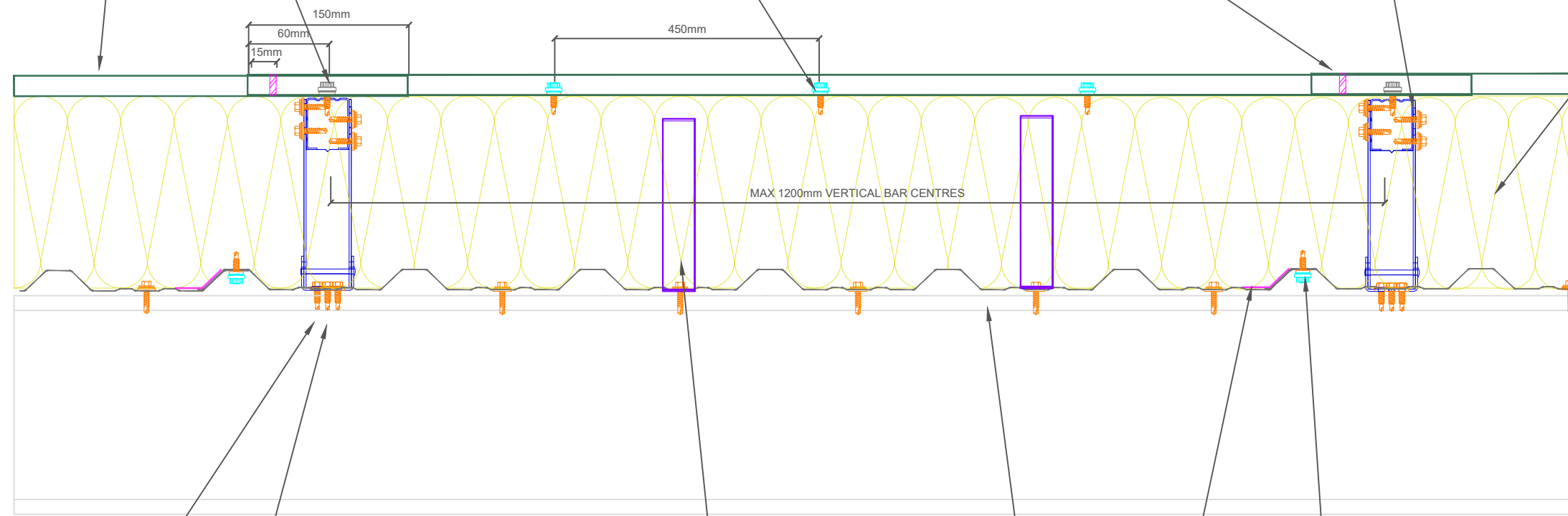
PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY 3NO. TROUGHS - 6 NO.
FIXINGS
INTERMEDIATE SUPPORTS - EVERY 3NO TROUGHS - 6 NO. **FIXINGS**

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

APPROVED SPACER SYSTEM
BX48 BRACKETS & BARS
BRACKET DEPTH TO SUIT U-VALUE REQUIREMENT
MINIMUM DEPTH 120MM
EPDM THERMAL PAD
PATTERN
MAX CLADDING RAIL CENTRE'S 1800mm
MAXIMUM VERTICAL BAR CENTRES 1200MM
CENTRES
BRACKET CENTRE'S TO SUIT LOADING CALCULATIONS

PROTEX APPROVED - GLASS FIBRE INSULATION
KNAUF FACTORY CLAD 40
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**

INSULATION HANGERS
2 NO. PER PROFILE WIDTH
DEPTH 20MM SHORTER THAN BRACKETS
1.5MM GALVANISED
30MM WIDE X 100M DEEP

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

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

PROTEX APPROVED - LINER STITCHER FIX
STAINLESS STEEL SELF DRILLING & SELF TAPPING / BULB-TITE RIVET
16MM Ø EDPM WASHER
PATTERN
SIDE LAP - 300mm CENTRES
FIXED INSIDE TO OUTSIDE

REV	DATE	DESCRIPTION

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PROTEX[®]



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Drawing Number
Protex-FWS04-2 60/15 End Lap Detail

Fire Resistance
**60 Minutes Integrity
15 Minutes Insulation**

*Contact Firth Steels technical for increased resistances technical@firth-steels.co.uk

Drawn by KP	Checked by TO	Date 16/10/2024
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Project Title PRX-FIREWALLS	Size A3	Revision A
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