

N1000C 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 TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 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

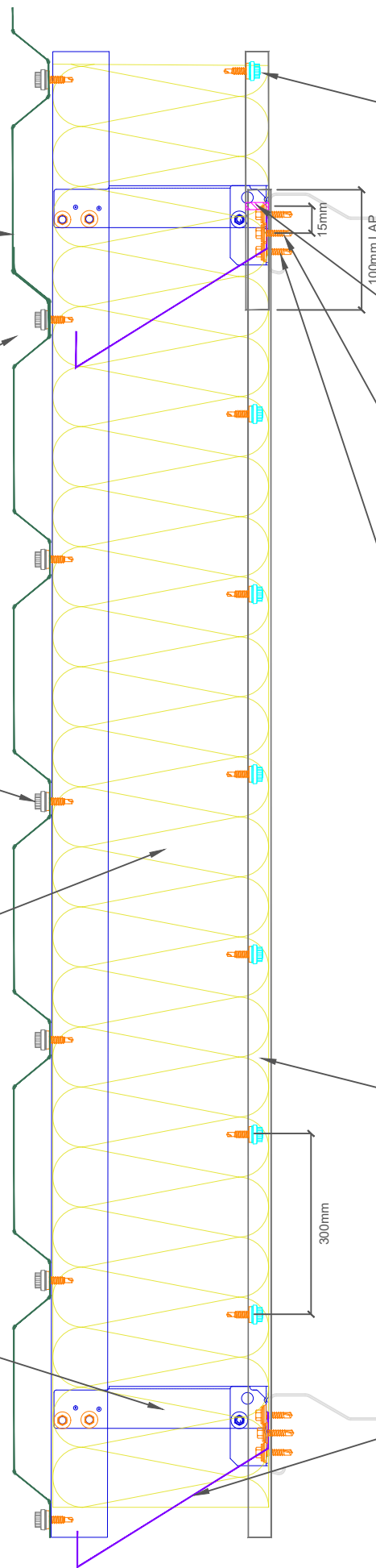
PROTEX APPROVED - LINER END LAP SEALANT
4mm / 9mm * 3mm BUTYL TAPE
LOCATION
1-NO. CONTINUOUS RUN.
POSITIONED 15mm ABOVE CENTRAL FIXING LINE

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

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



REV	DATE	DESCRIPTION

FirthSteels[®]
Firth Steels Ltd, Calderbank, River Street, Brighouse, West Yorkshire HD6 1LU
Technical@firth-steels.co.uk +44 1484 405940 Firth-steels.co.uk



PROTEX[®]



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Drawing Number
Protex-FWS02-1 60/15 Side 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

Project Title
PRX-FIREWALLS
Size
A3
Revision
A

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

N1000C EXTERNAL PROFILE
GAUGE - 0.7mm
COATING - PROTEX APPROVED

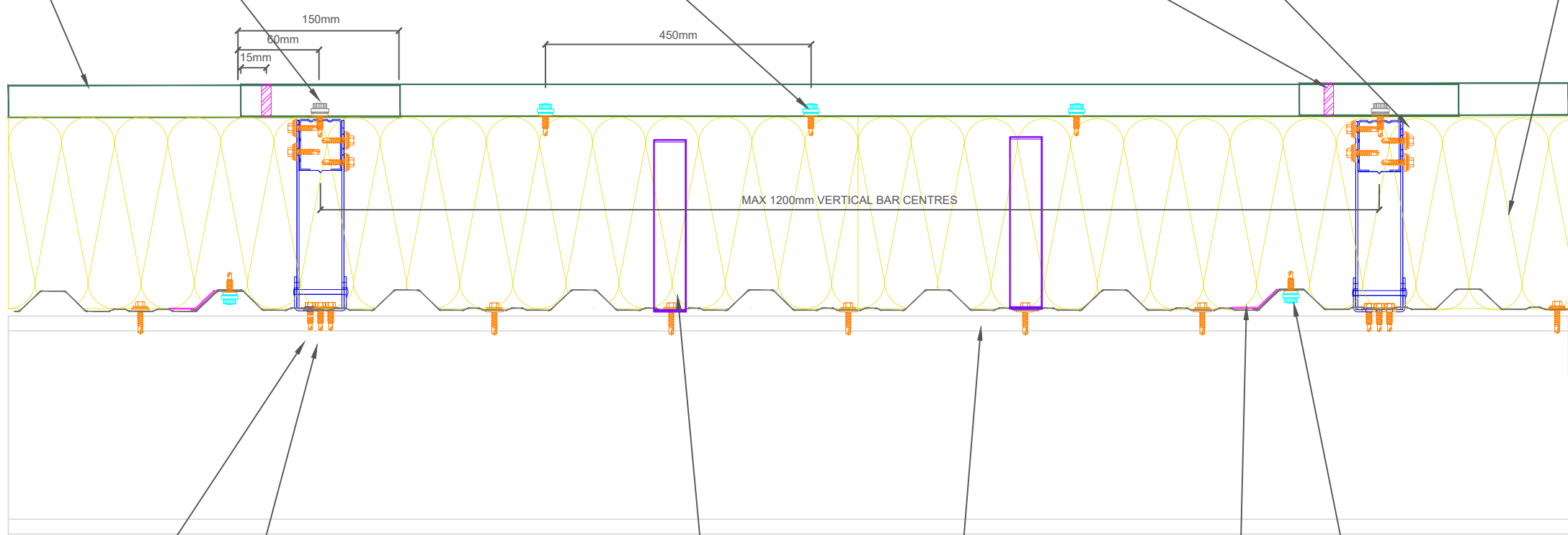
PROTEX APPROVED - EXTERNAL MAIN FIXING
STAINLESS STEEL SELF DRILLING & SELF TAPPING
PAINTED / MOULDED HEAD
16mm Ø EDPM WASHER
PATTERN
SHEET ENDS - EVERY TROUGH - 5 NO. FIXINGS
INTERMEDIATE SUPPORTS - ALTERNATE TROUGH - 3 NO. FIXINGS

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

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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Technical@firth-steels.co.uk +44 1484 405940 Firth-steels.co.uk

SGS SGS SGS UKAS PLANETMARK

PROTEX
UKCA LPCB UKAS

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Drawing Number
Protex-FWS02-2 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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<<< DO NOT SCALE FROM THIS DRAWING >>>