1	Substrate
2	Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation (as per specification)
(5)	Pro-Membrane Adhesive
6	 Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive

4

3

### **Lap Dimensions**

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

# **Proteus Waterproofing Ltd.**

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E: office@proteuswaterproofing.co.uk

All components are to be prepared and installed in strict accordance with **Proteus Project Specification** 

#### Notes:

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Drawing No.:

SD\_PFAIRFX\_BUR\_ADHERED\_01

Roof Type:

Description:

#### **Horizontal Surface**

Scale: NTS Drawn: Date:

W.Harding 18/06/2025



1	Substrate
2	Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Toro
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation (as per specification)
(5)	 Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prime® SA (self-adhesive   Safe2Torch)
5	 Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)
6	 Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)
6	 Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
7	 Pro-Membrane Adhesive
8	 Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Lap	s ≥ 150mm

All laps to be heat welded

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_02

BUR

Description:

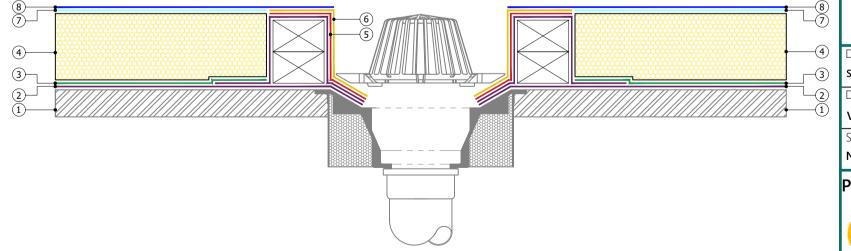
#### **Vertical Rainwater Outlet**

Scale: NTS Drawn:

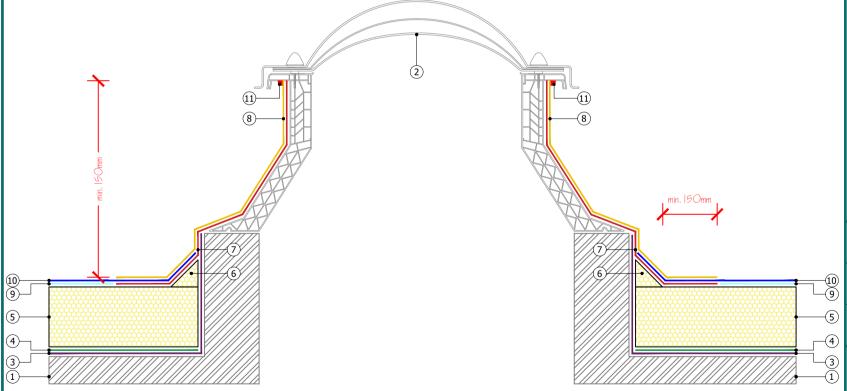
Date: 18/06/2025

W.Harding 18/06/2025





1		Substrate
2	$ \uparrow $	Rooflight / Roof Access Hatch (by others)
3		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Tord
4		Pro-Bond Foaming (adhesive)
(5)		Proteus Pro-Therm Insulation (as per specification)
6		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Underlay and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)
8		Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)
8		Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
9		Pro-Membrane Adhesive
10		Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive
11)	•	Proteus Sealant



Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

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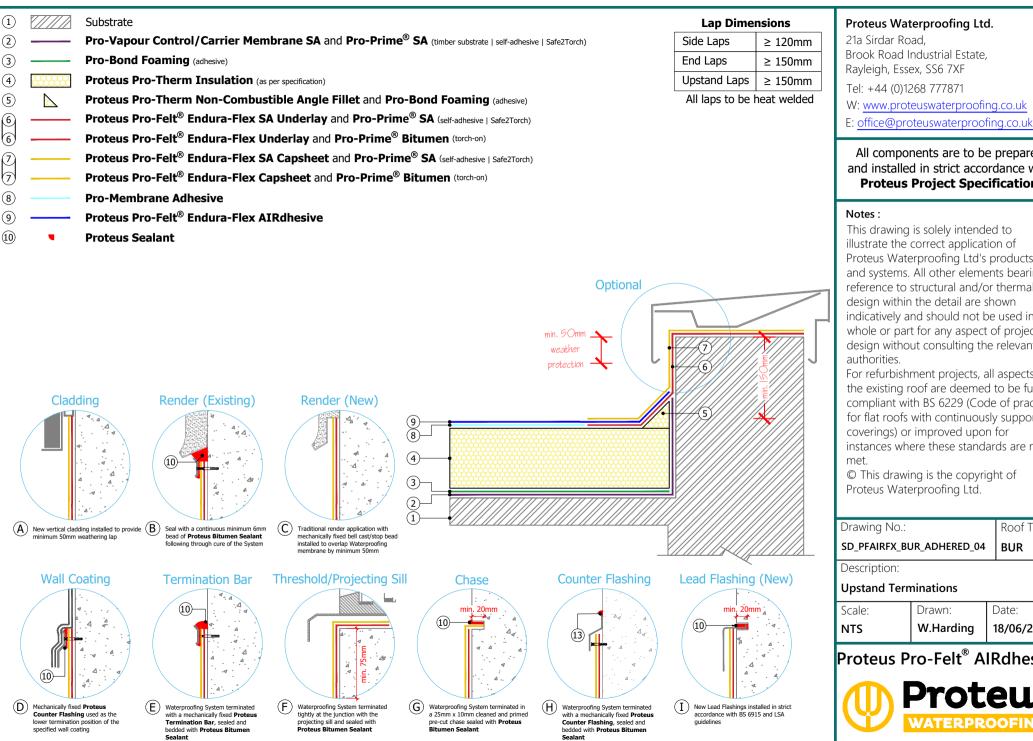
Drawing No.: Roof Type: SD\_PFAIRFX\_BUR\_ADHERED\_03 BUR

Description:

# Rooflight / Access Hatch

Scale: Drawn: Date:
NTS W.Harding 18/06/2025





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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_04

BUR

Description:

### **Upstand Terminations**

Scale:

Drawn: Date:

W.Harding 18/06/2025



1 /////	Substrate	Lap Dime	nsions Prot
② ——	Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Side Laps	≥ <b>120mm</b> 21a
3 ——	Pro-Bond Foaming (adhesive)	End Laps	≥ <b>150mm</b> Brook
4	Proteus Pro-Therm Insulation (as per specification)	Upstand Laps	≥ <b>150mm</b> Tel:
5 📐	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)	All laps to be I	heat welded W: v
<u>6</u> ——	Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prime® SA (self-adhesive   Safe2Torch)		E: of
6 —	Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)		
② ——	Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)		Al
<del> </del>	Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)		and P
8	Pro-Membrane Adhesive		
9	Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive		Note This illust Prot and refe desi india who desi auth For the com for f
9 8 4 2 1	min. 5 Omm weather protection	Will 1800	Draw SD_PI  Descr Insul  Scale NTS  Prot

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_05

BUR

Description:

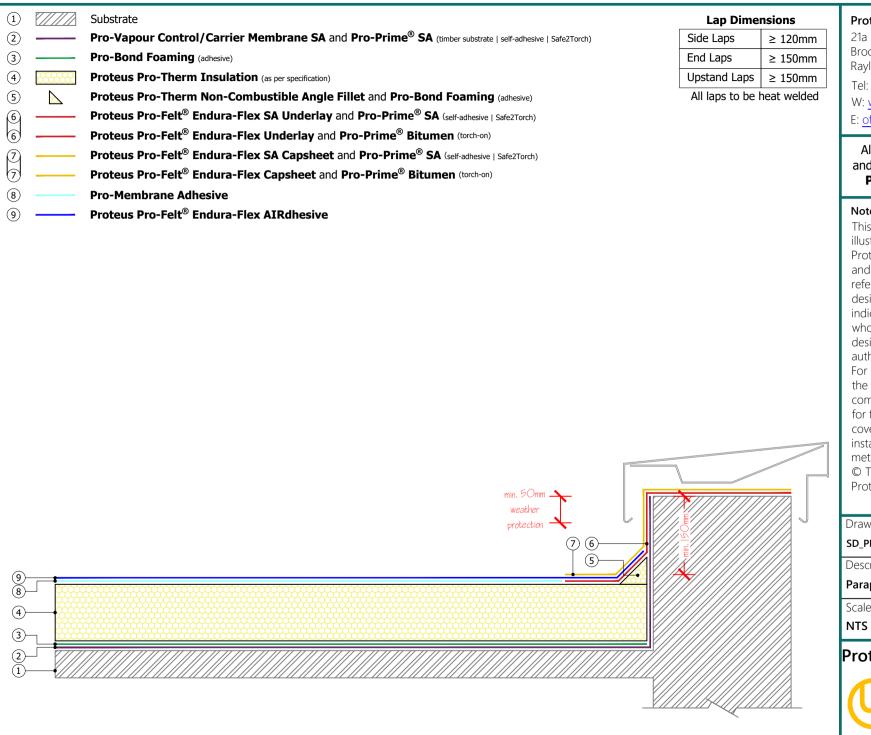
Insulated Parapet - Capping

Drawn:

W.Harding

Date: 18/06/2025





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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_06

BUR

Date:

Description:

#### Parapet - Capping

Scale:

Drawn:

W.Harding

18/06/2025



1 /////	Substrate	Lap Dime	nsions
2 —	Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Side Laps	≥ 120mm
3 —	Pro-Bond Foaming (adhesive)	End Laps	≥ 150mm
4	Proteus Pro-Therm Insulation (as per specification)	Upstand Laps	≥ 150mm
5 📐	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)	All laps to be I	neat welde
6	Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prime® SA (self-adhesive   Safe2Torch)		
	Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)		
7	Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)		
7	Proteus Pro-Felt® Endura-Flex Capsheet and Pro-Prime® Bitumen (torch-on)		
8 7	GRP Trim (mechanically fixed)		
9	Pro-Membrane Adhesive		
10	Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive		
			(8)
	7 6		
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- 111	<u> </u>		
3			
3			

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_07

BUR

Description:

Parapet - GRP Trim

Scale:

Drawn: Date:

NTS

W.Harding

18/06/2025



1		Substrate
2		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)
3		Pro-Bond Foaming (adhesive)
4		Proteus Pro-Therm Insulation (as per specification)
(5)		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
6		Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Underlay and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)
6		Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Capsheet and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
8		Pro-Membrane Adhesive
9		Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive
10	•	Proteus Sealant

4)-

(3)-

#### **Lap Dimensions**

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

# Proteus Waterproofing Ltd.

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_08

BUR

Description:

Threshold (Existing) - Sealant

Scale: NTS

Drawn:

Date: W.Harding 18/06/2025



1		Substrate	Lap Dimensions
2		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Side Laps ≥ 120mm
3		Pro-Bond Foaming (adhesive)	End Laps ≥ 150mm
4		Proteus Pro-Therm Insulation (as per specification)	Upstand Laps ≥ 150mm
(5)		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)	All laps to be heat welded
6		Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Underlay and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)	
6		Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)	
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Capsheet and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)	
7		Proteus Pro-Felt® Endura-Flex Capsheet and Pro-Prime® Bitumen (torch-on)	
8		Pro-Membrane Adhesive	
9		Proteus Pro-Felt® Endura-Flex AIRdhesive	
10		EPDM membrane (min. 100mm lap onto waterproofing)	
(9)		<del></del>	
4			
3			
2			
(1)-	<del></del> ////		

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_09

BUR

Description:

Threshold (New) - EPDM

Scale: NTS Drawn:

W.Harding

18/06/2025

Date:



1		Substrate		Lap Dime	ensions	Pro
2		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime	<b>9 SA</b> (timber substrate   self-adhesive   Safe2Torch)	Side Laps	≥ 120mm	21
3		Pro-Bond Foaming (adhesive)		End Laps	≥ 150mm	Bro
4		Proteus Pro-Therm Insulation (as per specification)		Upstand Laps	≥ 150mm	Ra Te
(5)		Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prim	ne <sup>®</sup> <b>SA</b> (self-adhesive   Safe2Torch)	All laps to be	heat welded	W
5		Proteus Pro-Felt® Endura-Flex Underlay and Pro-Prime®	Bitumen (torch-on)			E:
		Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prin	ne <sup>®</sup> <b>SA</b> (self-adhesive   Safe2Torch)			$\vdash$
6		Proteus Pro-Felt® Endura-Flex Capsheet and Pro-Prime®	Bitumen (torch-on)			
7		Pro-Membrane Adhesive				ar
8		Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive				_
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awing No.:

Roof Type:

\_PFAIRFX\_BUR\_ADHERED\_10

BUR

18/06/2025

Date:

escription:

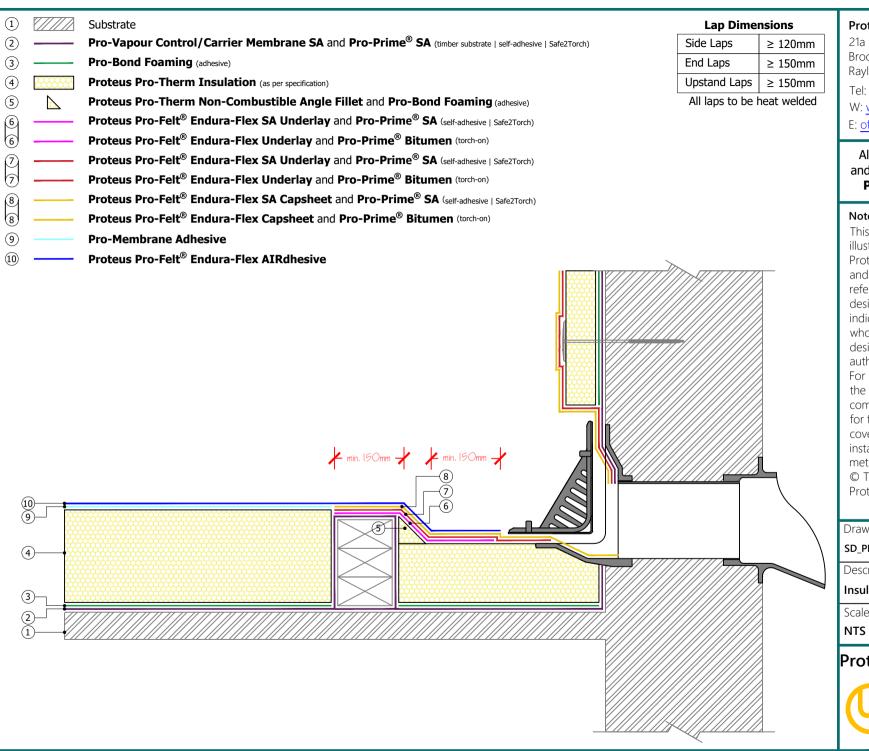
# old Pipe Penetration

ale:

Drawn:

W.Harding





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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_11

BUR

Description:

### **Insulated Parapet Gutter**

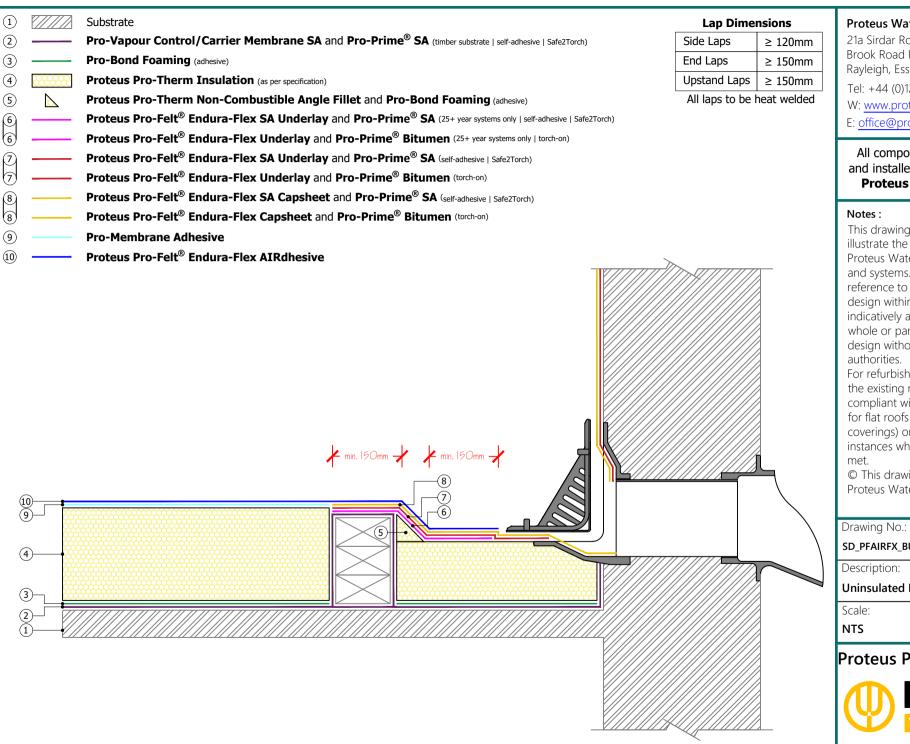
Scale:

Drawn:

W.Harding

Date: 18/06/2025





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Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_12

BUR

18/06/2025

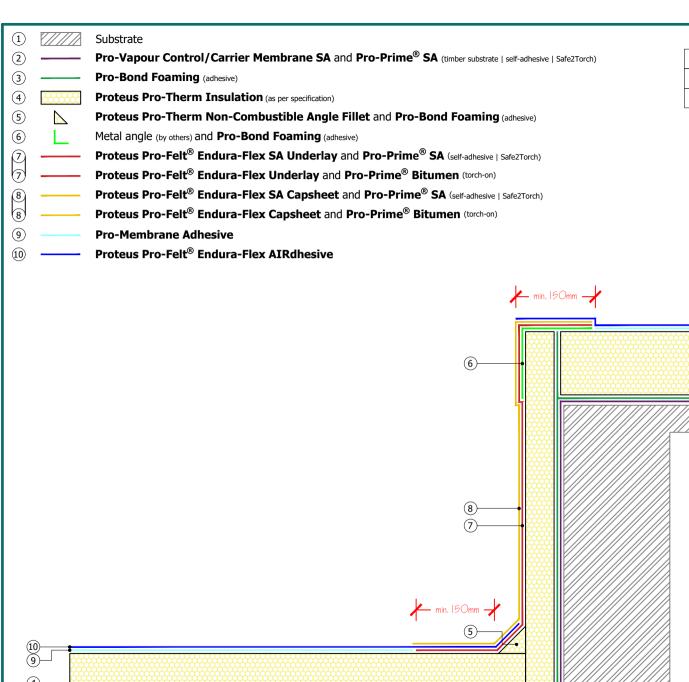
Date:

# **Uninsulated Parapet Outlet**

Drawn:

W.Harding





Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

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Drawing No.:

Roof Type:

SD\_PFAIRFX\_BUR\_ADHERED\_13

BUR

Description:

#### **Roof Transition**

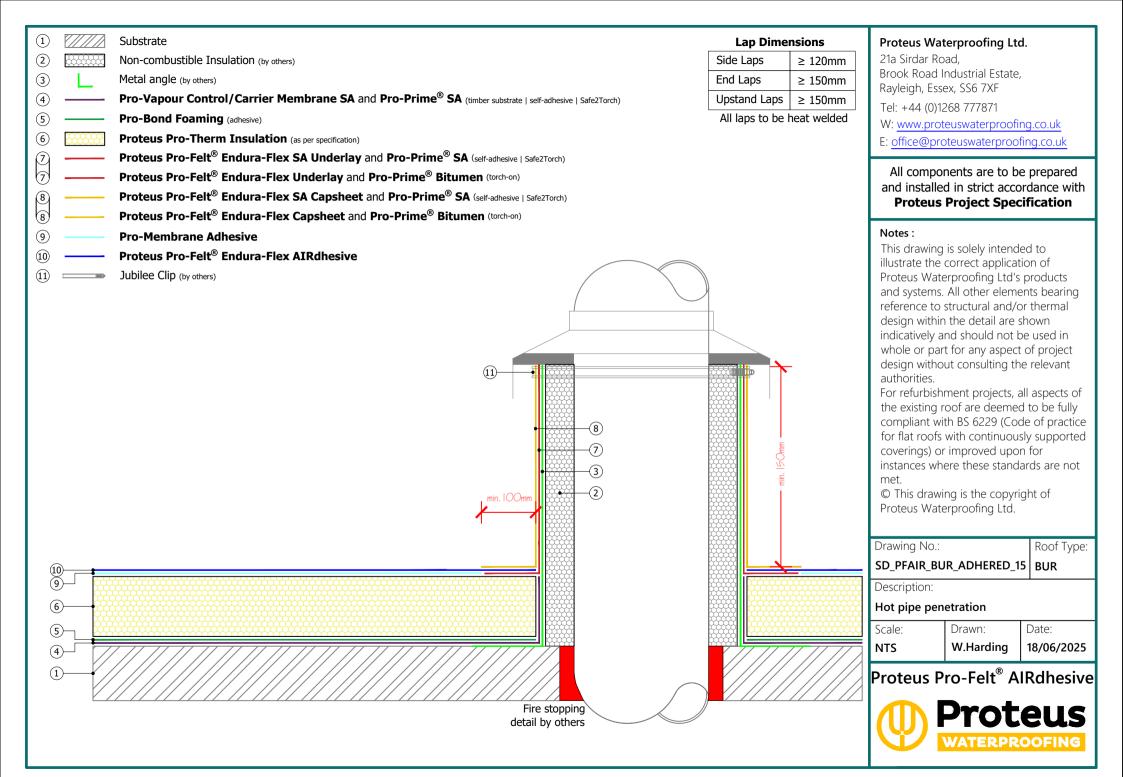
Scale:

Drawn: Date:

NTS

W.Harding | 18/06/2025





1	Substrate
2	 Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)
3	Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation (as per specification)
5	 Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)
5	 Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
6	 Pro-Membrane Adhesive
7	 Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

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min. 150mm

Drawing No.:

Roof Type:

SD\_PFAIR\_BUR\_ADHERED\_16 BUR

Date:

Description:

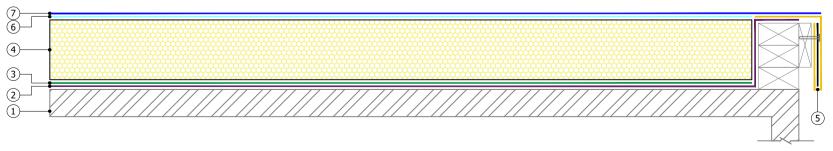
# **Drip Edge for Lift Overrun**

Scale: NTS

Drawn:

W.Harding 18/06/2025





///// Substrate	Lap Dim	ensions
Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Side Laps	≥ 120mm
Pro-Bond Foaming (adhesive)	End Laps	≥ 150mm
Proteus Pro-Therm Insulation (as per specification)	Upstand Laps	≥ 150mm
Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Underlay and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)	All laps to be	heat welded
Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)		
Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Capsheet and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)		
Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)		
Pro-Membrane Adhesive		
Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive		
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21a Sirdar Road.

Brook Road Industrial Estate, Rayleigh, Essex, SS6 7XF

Tel: +44 (0)1268 777871

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All components are to be prepared and installed in strict accordance with **Proteus Project Specification** 

#### Notes:

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Drawing No.:

Roof Type:

SD\_PFAIR\_BUR\_ADHERED\_17 BUR

Description:

# Upstand/Layboard to Pitched Roof

Drawn:

W.Harding

Date: 18/06/2025



1		Substrate	Lap Dime	nsions
2		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Side Laps	≥ 120mm
3		Pro-Bond Foaming (adhesive)	End Laps	≥ 150mm
4		Proteus Pro-Therm Insulation (as per specification)	Upstand Laps	≥ 150mm
5		Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)	All laps to be	heat welded
5		Proteus Pro-Felt® Endura-Flex Capsheet and Pro-Prime® Bitumen (torch-on)		
6		Pro-Membrane Adhesive		
7		Proteus Pro-Felt® Endura-Flex AIRdhesive		
		min. 150mm		
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4)—				
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	7 //			
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1				
1				

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Drawing No.:

Roof Type:

SD\_PFAIR\_BUR\_ADHERED\_18 BUR

Description:

#### **Perimeter Mansard**

Scale: NTS

Drawn: Date:

W.Harding

18/06/2025



Substrate
Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Ton
Pro-Bond Foaming (adhesive)
Proteus Pro-Therm Insulation (as per specification)
 Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prime® SA (self-adhesive   Safe2Torch)
 Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)
 Proteus Pro-Felt <sup>®</sup> Endura-Flex SA Capsheet and Pro-Prime <sup>®</sup> SA (self-adhesive   Safe2Torch)
 Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
 Pro-Membrane Adhesive
Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

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Drawing No.:

Roof Type:

SD\_PFAIR\_BUR\_ADHERED\_19 BUR

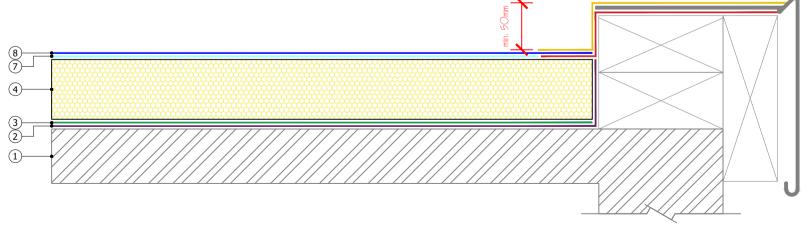
Description:

### Watercheck

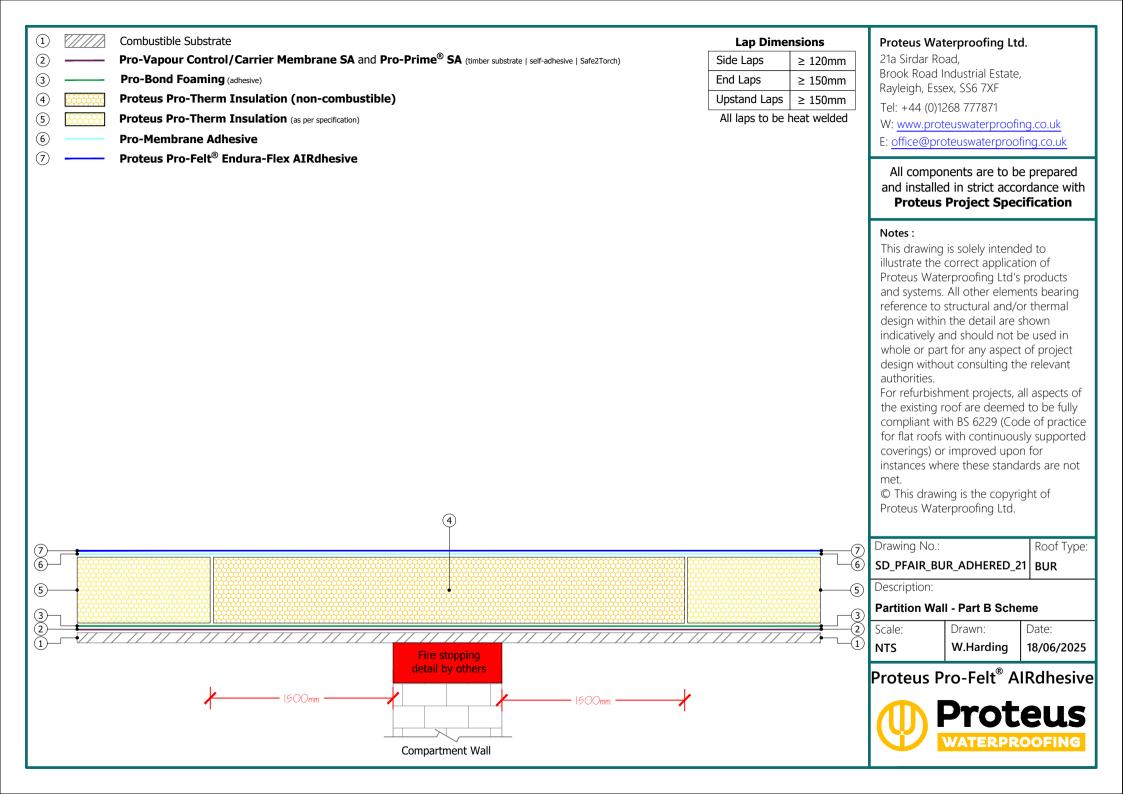
Scale: Drawn: NTS

Date: W.Harding 18/06/2025





1) 2) 3) 4) 5) 6) 7)	Substrate Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch) Pro-Bond Foaming (adhesive) Proteus Pro-Therm Insulation (as per specification) Pro-Membrane Adhesive Proteus Pro-Felt® Endura-Flex AIRdhesive Sacrificial Layer (TBC with Proteus)	Lap Dimensions   Side Laps ≥ 120mm   End Laps ≥ 150mm   Upstand Laps ≥ 150mm   All laps to be heat welded	21a Sirdar Roa Brook Road Ir Rayleigh, Esse Tel: +44 (0)12 W: www.prote E: office@pro	ndustrial Estate, ex, SS6 7XF 68 777871 euswaterproofin teuswaterproof ments are to be d in strict acco	ng.co.uk ing.co.uk e prepared rdance with
			Notes: This drawing illustrate the or Proteus Water and systems. reference to state design within indicatively are whole or part design without authorities. For refurbishing the existing recompliant with for flat roofs with the coverings or instances when met.	is solely intended correct applications applications and the detail are sold should not be for any aspect at consulting the ment projects, a poof are deemed by BS 6229 (Cook with continuous improved uponere these standard in gis the copyrign proofing Ltd.	ed to on of products nts bearing r thermal hown e used in of project e relevant  Il aspects of I to be fully le of practice ly supported on for erds are not
7-		7	Drawing No.:  SD_PFAIR_BUI  Description:  Sacrificial layer	R_ADHERED_2	
6 5 4		4	Scale: NTS	Drawn: W.Harding	Date: <b>18/06/2025</b>
3—2—1—		3		ro-Felt <sup>®</sup> Al <b>Prot</b>	eus



		I
① Combustible Substrate	Lap Dimensions	Proteus Waterproofing Ltd.
2 Existing Insulation	Side Laps ≥ 120mm	21a Sirdar Road, Brook Road Industrial Estate,
③ —— Existing Waterproofing	End Laps ≥ 150mm	Rayleigh, Essex, SS6 7XF
4 Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)	Upstand Laps ≥ 150mm	Tel: +44 (0)1268 777871
5 — Pro-Bond Foaming (adhesive)	All laps to be heat welded	W: www.proteuswaterproofing.co.uk
6 Proteus Pro-Therm Insulation (non-combustible)		E: office@proteuswaterproofing.co.uk
7 Proteus Pro-Therm Insulation (as per specification)		
8 — Pro-Membrane Adhesive		All components are to be prepared and installed in strict accordance with
Proteus Pro-Felt® Endura-Flex AIRdhesive		Proteus Project Specification
6		Notes: This drawing is solely intended to illustrate the correct application of Proteus Waterproofing Ltd's products and systems. All other elements bearing reference to structural and/or thermal design within the detail are shown indicatively and should not be used in whole or part for any aspect of project design without consulting the relevant authorities. For refurbishment projects, all aspects of the existing roof are deemed to be fully compliant with BS 6229 (Code of practice for flat roofs with continuously supported coverings) or improved upon for instances where these standards are not met.  © This drawing is the copyright of Proteus Waterproofing Ltd.
		Drawing No.: Roof Type:
	8)	SD_PFAIR_BUR_ADHERED_22 BUR
	5	Description:
		Partition Wall Overlay - Part B Scheme
	2	Scale: Drawn: Date:
①——///////////////////////////////////		NTS W.Harding 18/06/2025
Fire stopping detail by others		Proteus Pro-Felt <sup>®</sup> AIRdhesive
Compartment Wall		Proteus WATERPROOFING

1		Substrate
2	L	Metal angle (by others)
3		Pro-Vapour Control/Carrier Membrane SA and Pro-Prime® SA (timber substrate   self-adhesive   Safe2Torch)
4		Pro-Bond Foaming (adhesive)
(5)		Proteus Pro-Therm Insulation (as per specification)
6		Proteus Pro-Felt® Endura-Flex SA Underlay and Pro-Prime® SA (self-adhesive   Safe2Torch)
6		Proteus Pro-Felt <sup>®</sup> Endura-Flex Underlay and Pro-Prime <sup>®</sup> Bitumen (torch-on)
7		Proteus Pro-Felt® Endura-Flex SA Capsheet and Pro-Prime® SA (self-adhesive   Safe2Torch)
7		Proteus Pro-Felt <sup>®</sup> Endura-Flex Capsheet and Pro-Prime <sup>®</sup> Bitumen (torch-on)
8		Pro-Membrane Adhesive
9		Proteus Pro-Felt <sup>®</sup> Endura-Flex AIRdhesive
10	4	Flashing (by others)

Side Laps	≥ 120mm
End Laps	≥ 150mm
Upstand Laps	≥ 150mm

All laps to be heat welded

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Drawing No.:

Roof Type:

SD\_PFAIR\_BUR\_ADHERED\_23 BUR

Description:

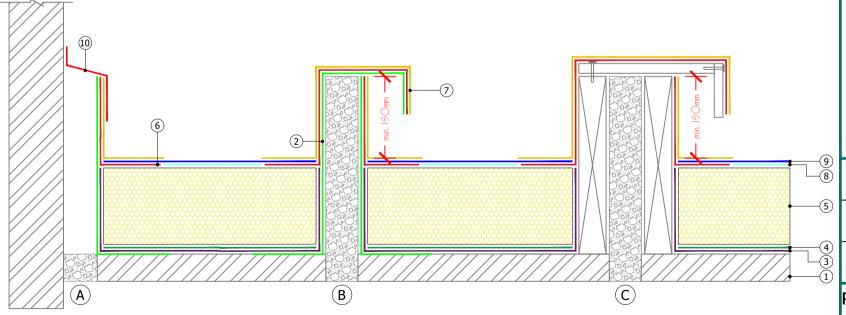
# **Expansion Joints**

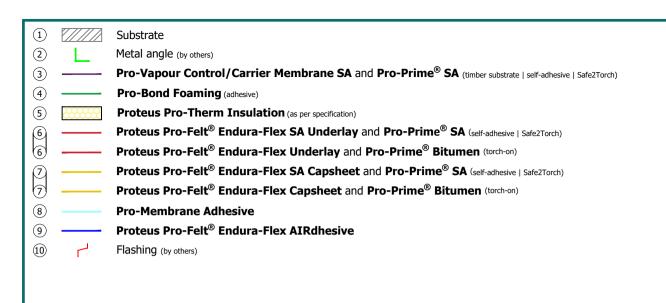
Scale: **NTS** 

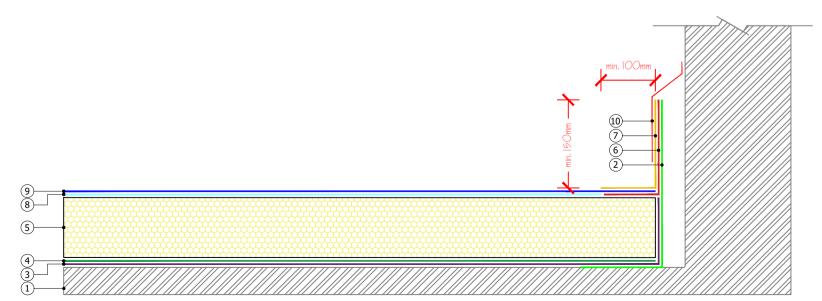
Drawn: W.Harding

Date: **18/06/2025** 









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Drawing No.:

Roof Type:

SD PFAIR BUR ADHERED 24 BUR

Description:

# **Independant Upstand**

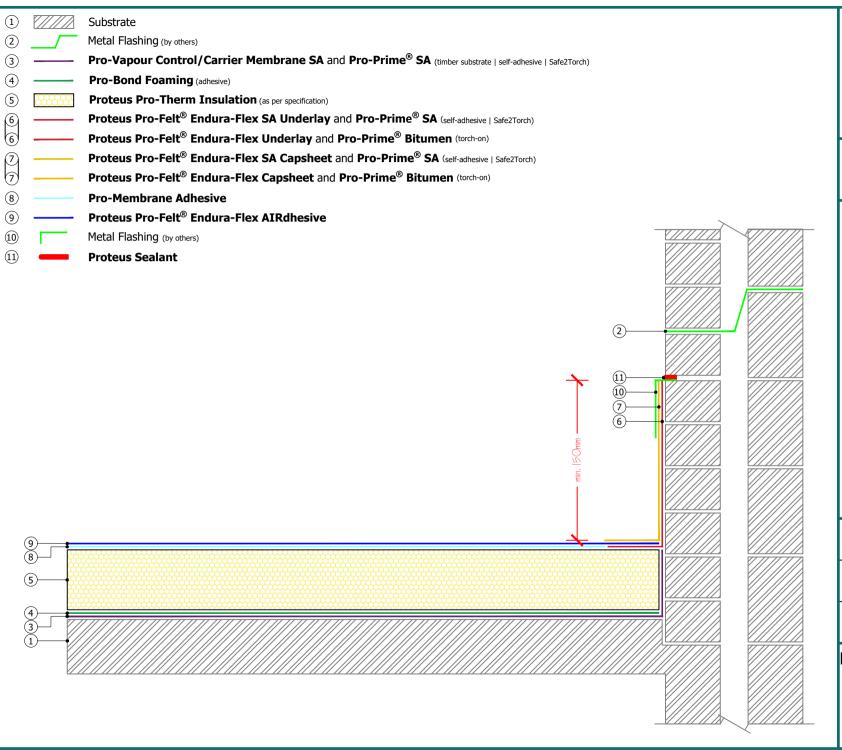
Scale: NTS

Drawn:

Date: W.Harding

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Drawing No.:

Roof Type:

SD PFAIR BUR ADHERED 26 BUR

Description:

### **Cavity Tray**

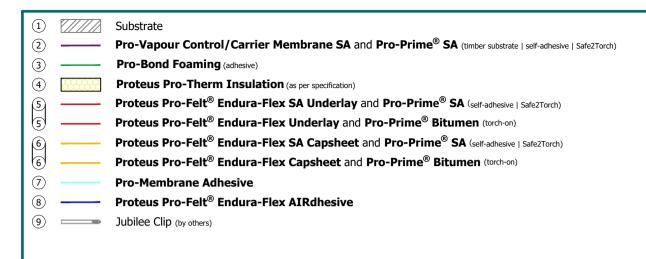
Scale: NTS

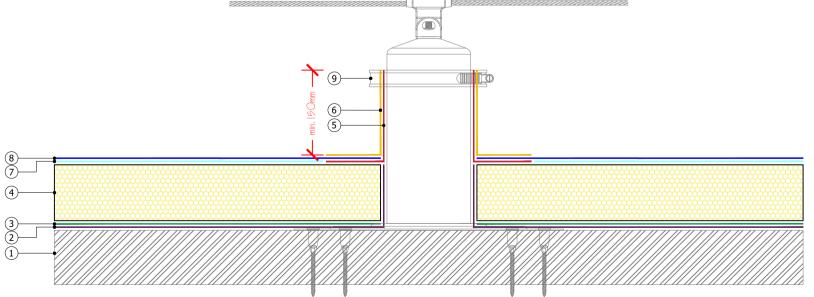
Drawn: Date:

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Drawing No.:

Roof Type:

SD PFAIR BUR ADHERED 27 BUR

Description:

### **Fall Arrest System**

Scale: NTS

Drawn: Date:

W.Harding

18/06/2025

