






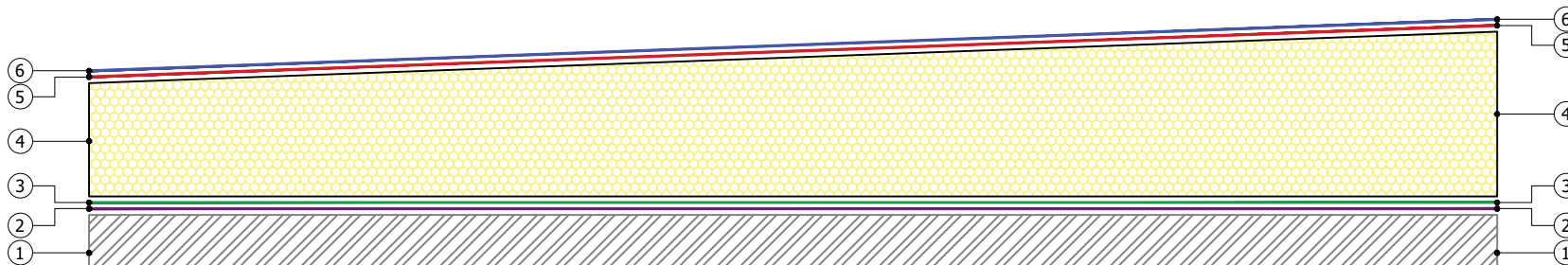


- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑥  **Proteus Pro-Felt® Ultima Plus Capsheet**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



Proteus Waterproofing Ltd.

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Rayleigh, Essex, SS6 7XF

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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_PFUP_BUR_01		BUR
Description:		
Horizontal Surface		
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

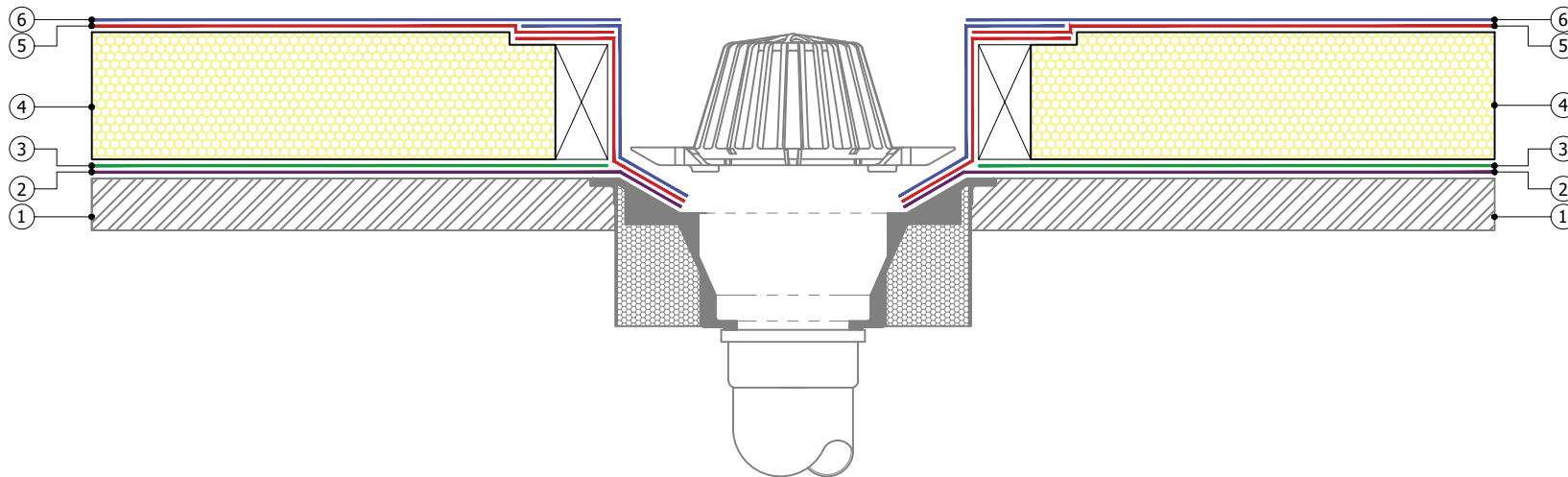
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑥  **Proteus Pro-Felt® Ultima Plus Capsheet**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFUP_BUR_02	BUR

Description:
Vertical Rainwater Outlet

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

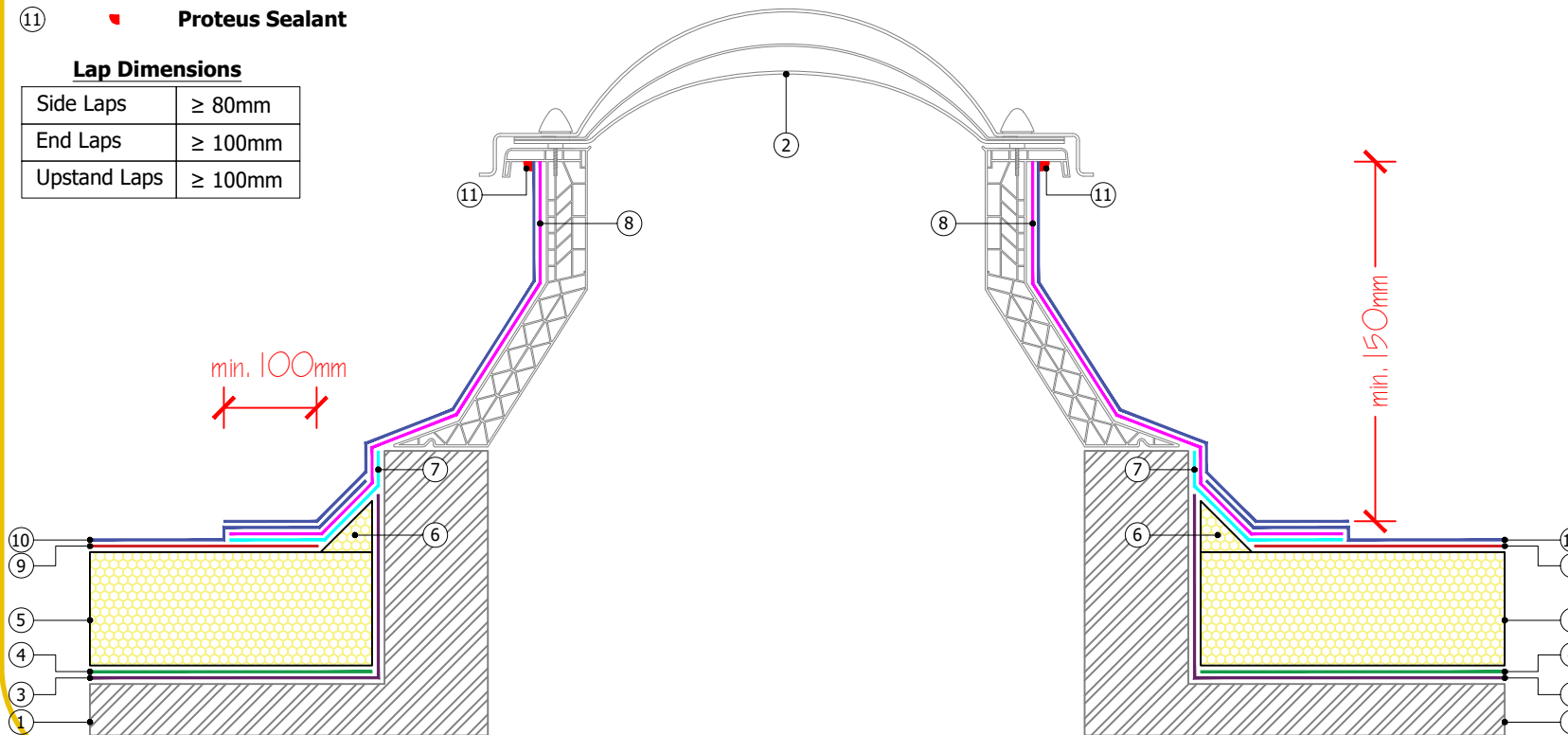
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Rooflight / Roof Access Hatch
- ③  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ③  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ④  **Proteus Pro-Bond Foaming adhesive**
- ⑤  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑥  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming adhesive**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay** (25 year system only)
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑩  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑩  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑪  **Proteus Sealant**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFULP_BUR_03	BUR

Description:
Rooflight / Access Hatch

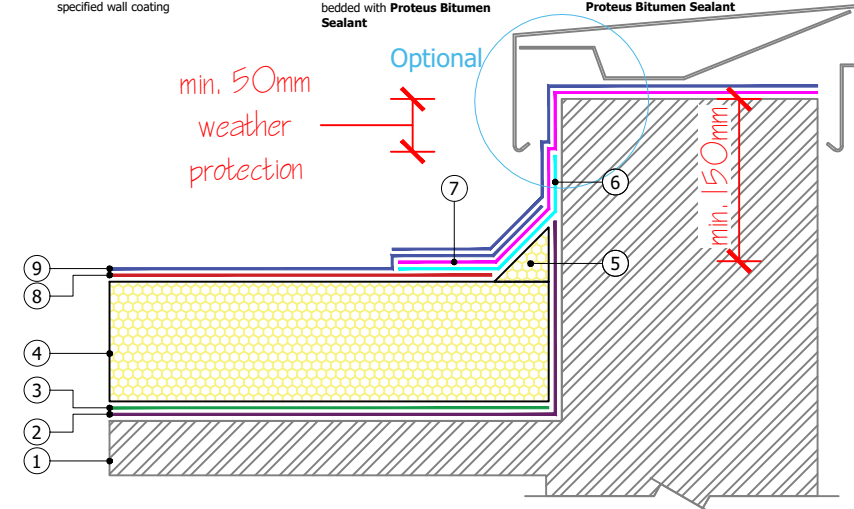
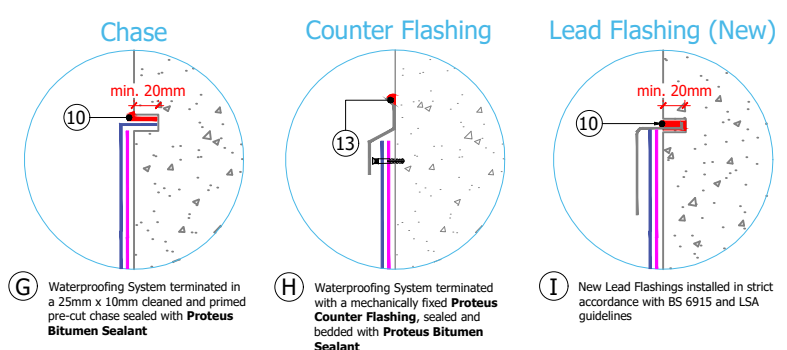
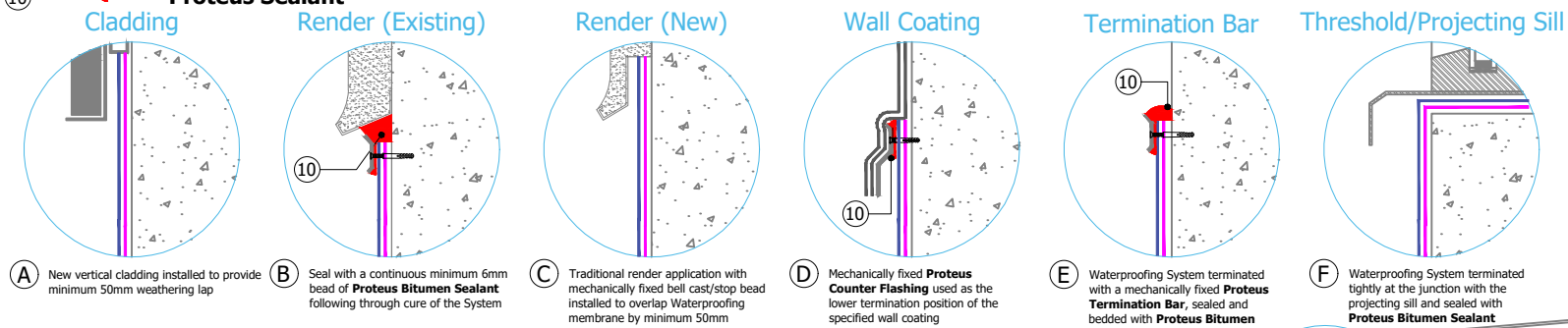
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑩  **Proteus Sealant**

Lap Dimensions	
Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:	
SD_PFULP_BUR_04	BUR	
Description:		
Upstand Terminations		
Scale:	Drawn:	Date:
NTS	W.Harding	17/09/2024

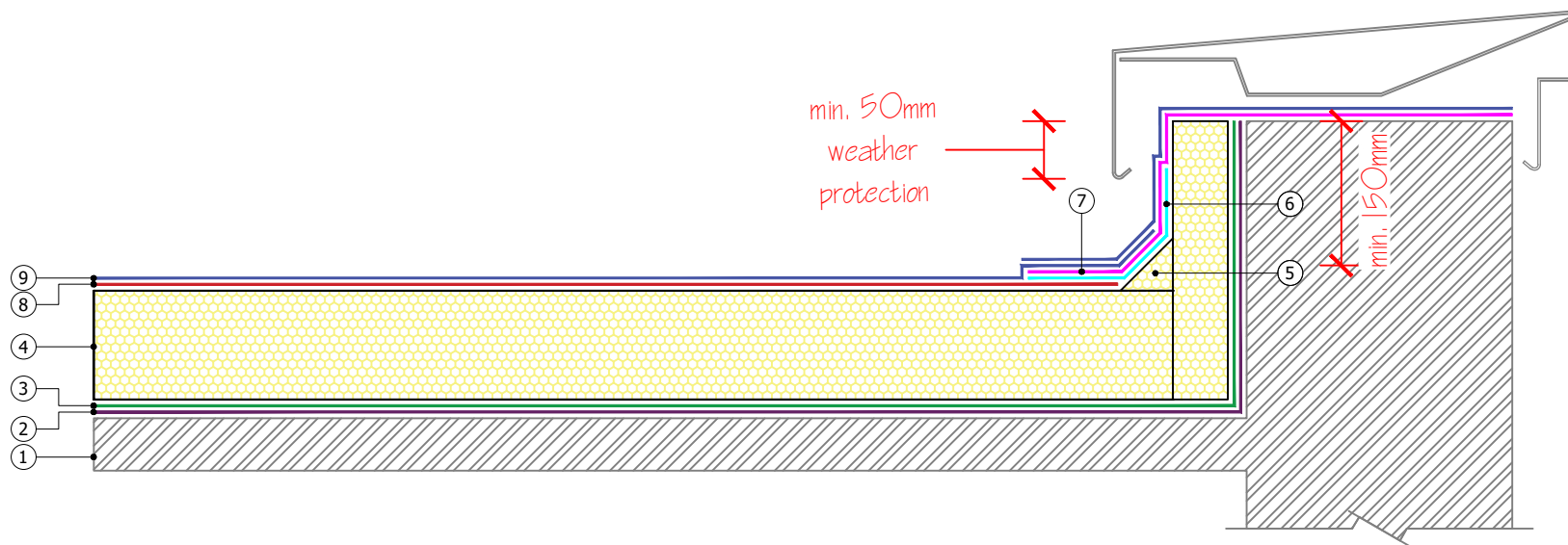
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFUL_BUR_05	BUR

Description:
Insulated Parapet - Capping

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

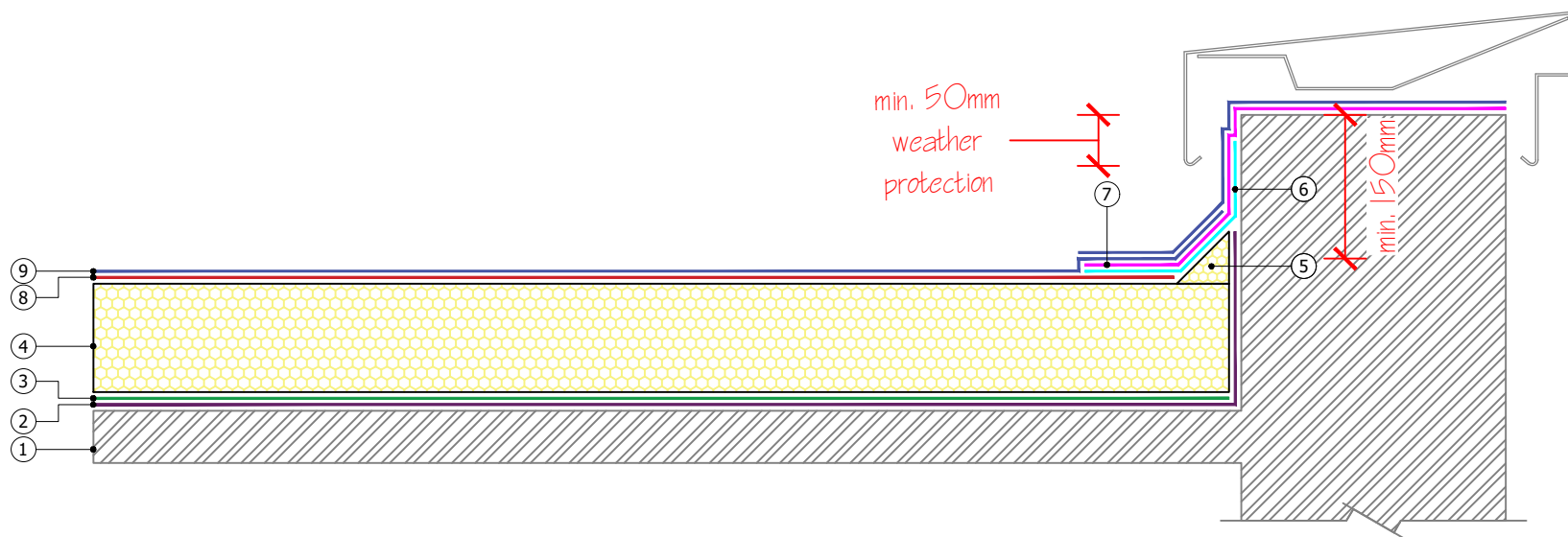
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

















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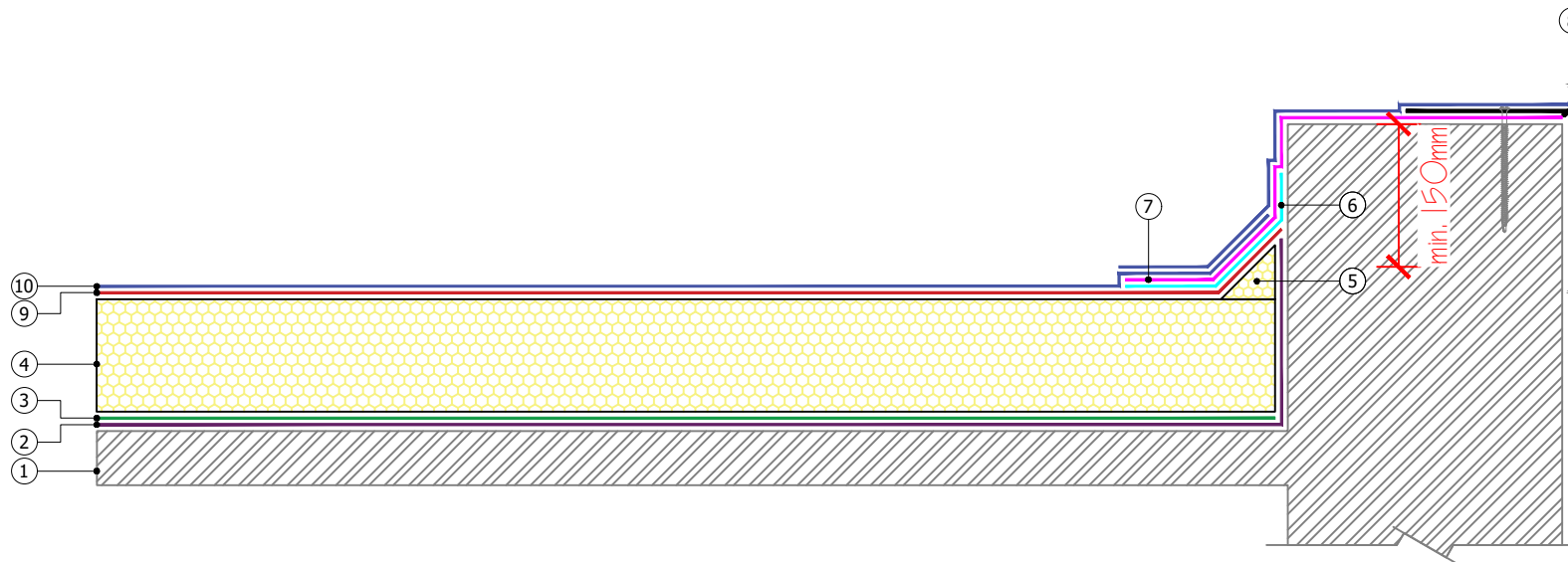
Drawing No.:	Roof Type:	
SD_PFULP_BUR_06	BUR	
Description:		
Parapet - Capping		
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **GRP Trim** (mechanically fixed)
- ⑨  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑩  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑩  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFULP_BUR_07	BUR

Description:
Parapet - GRP Trim

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

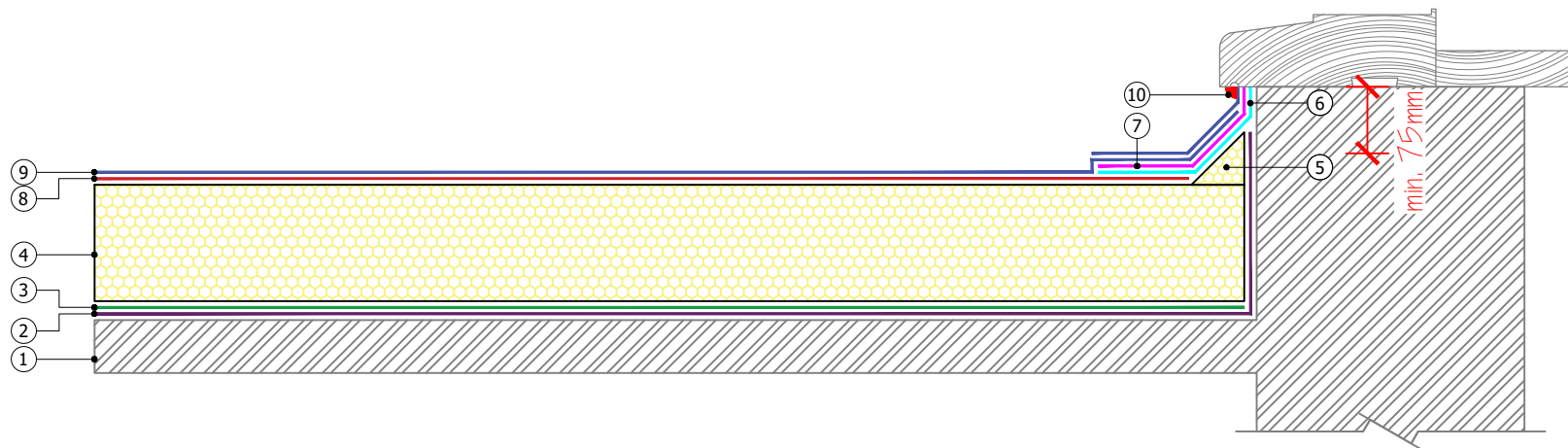
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑩  **Proteus Sealant**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFULP_BUR_08	BUR

Description:
Threshold (Existing) - Sealant

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

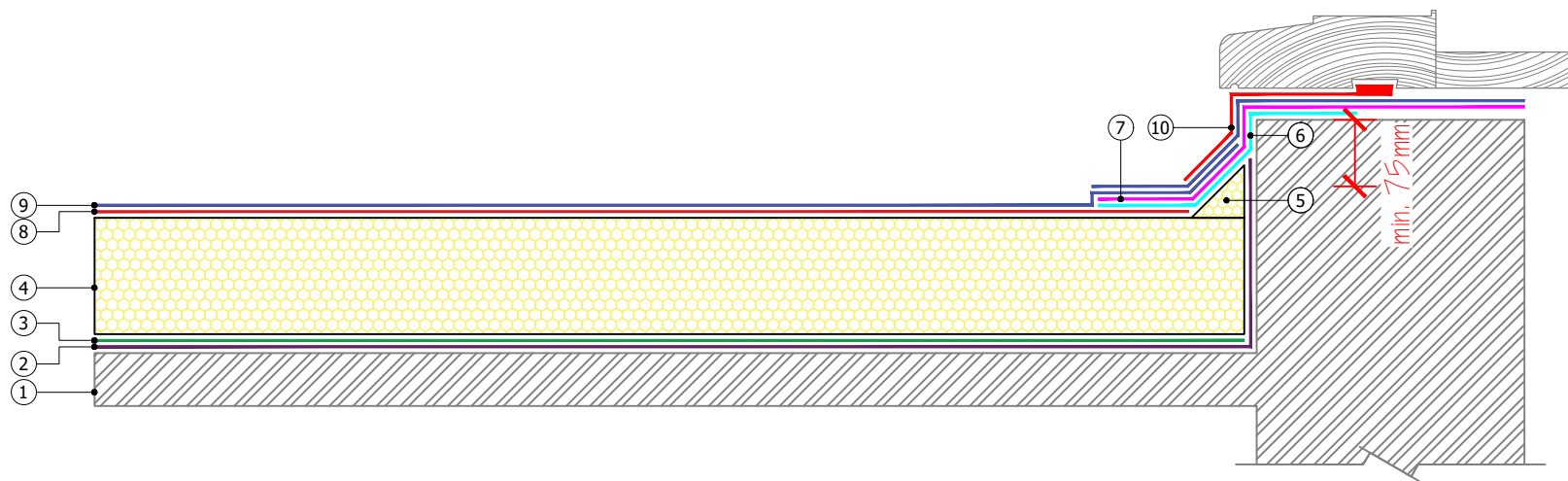
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑩  EPDM membrane (min. 100mm lap onto waterproofing)

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFUP_BUR_09	BUR

Description:
Threshold (New) - EPDM

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

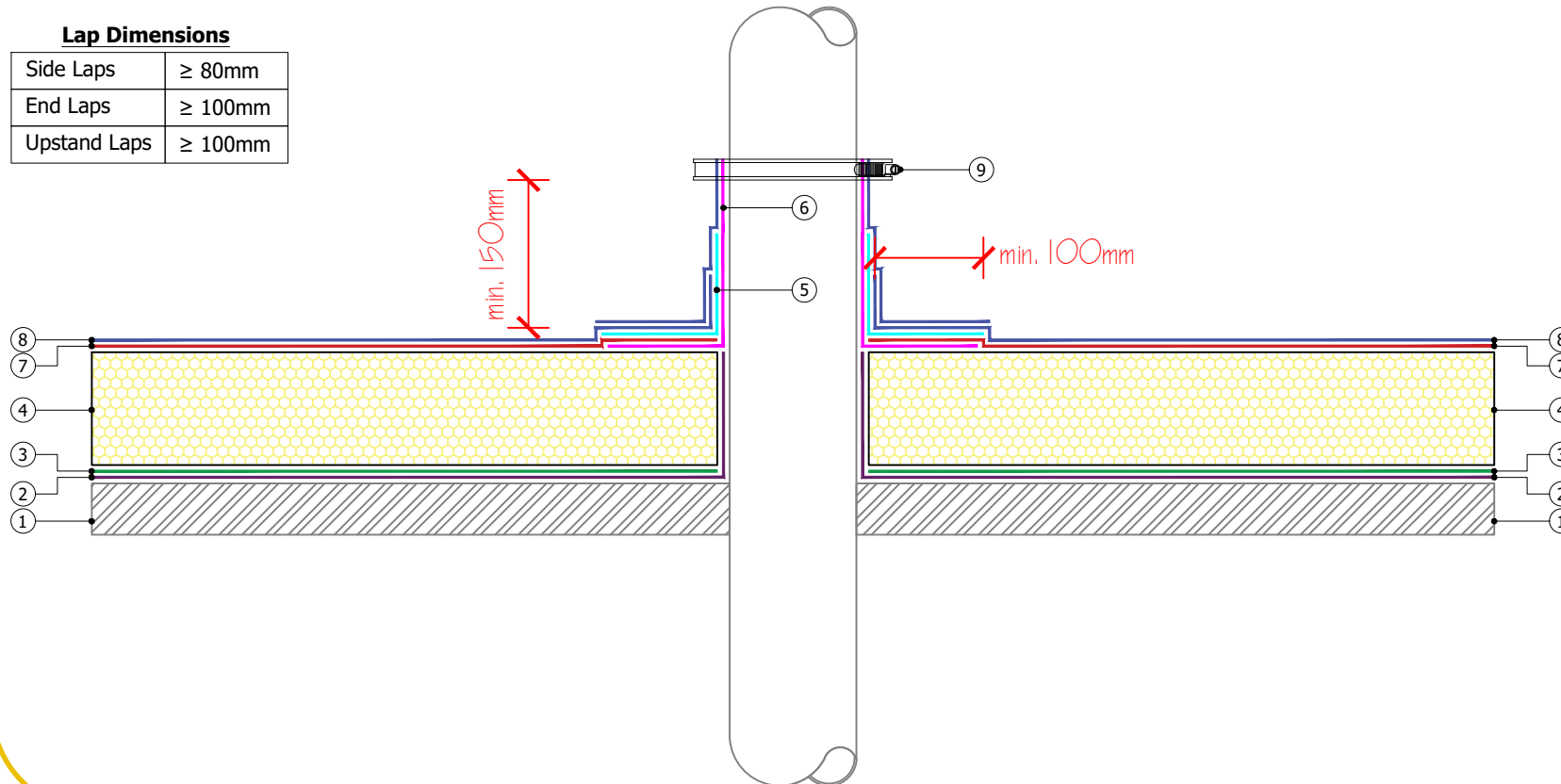
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑤  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑨  Jubilee Clip

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:
SD_PFULP_BUR_10	BUR

Description:
Cold Pipe Penetration

Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

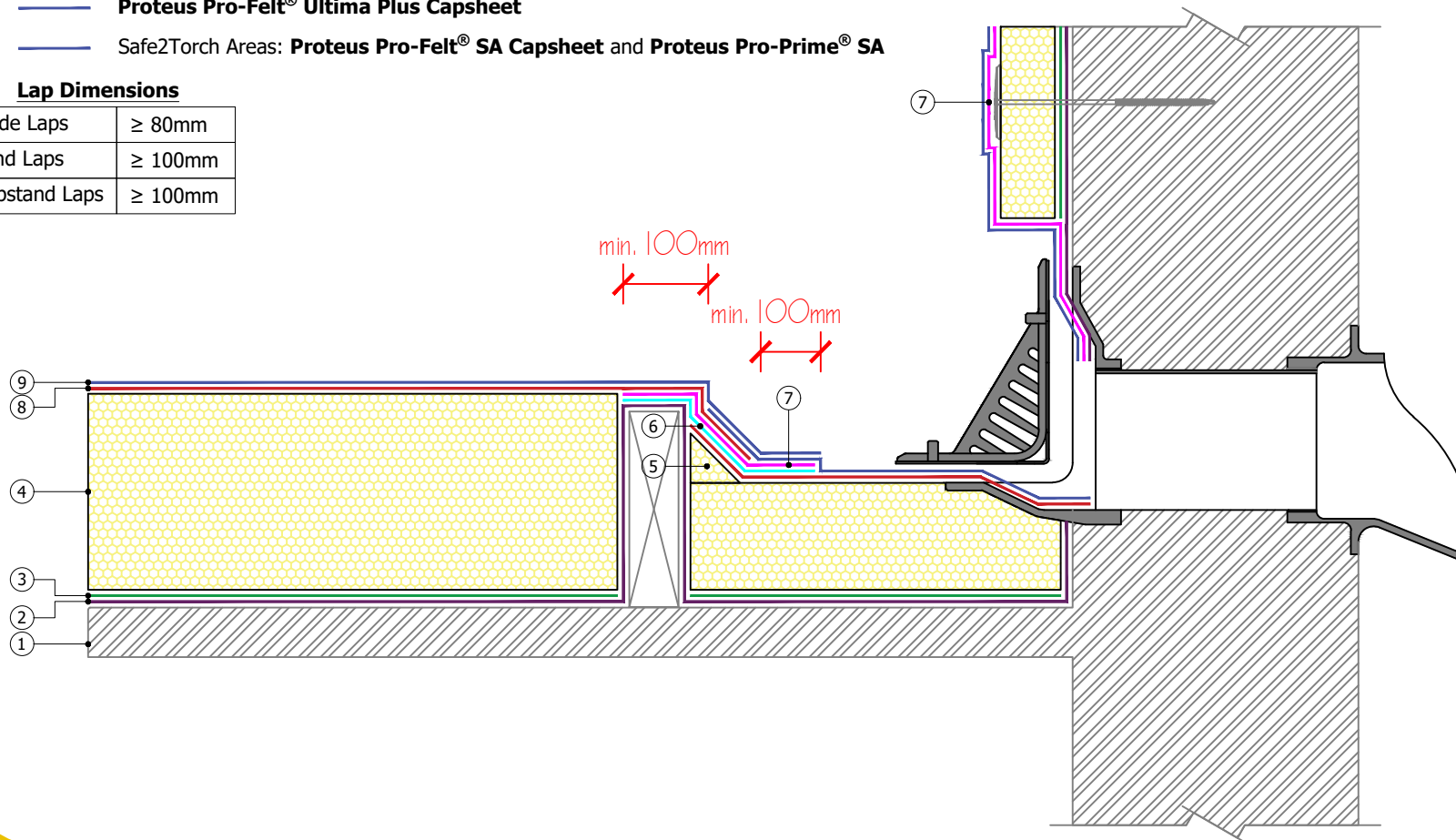
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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 :

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.

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Drawing No.:		Roof Type:
SD_PFULP_BUR_11		BUR
Description:		
Insulated Parapet Gutter		
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

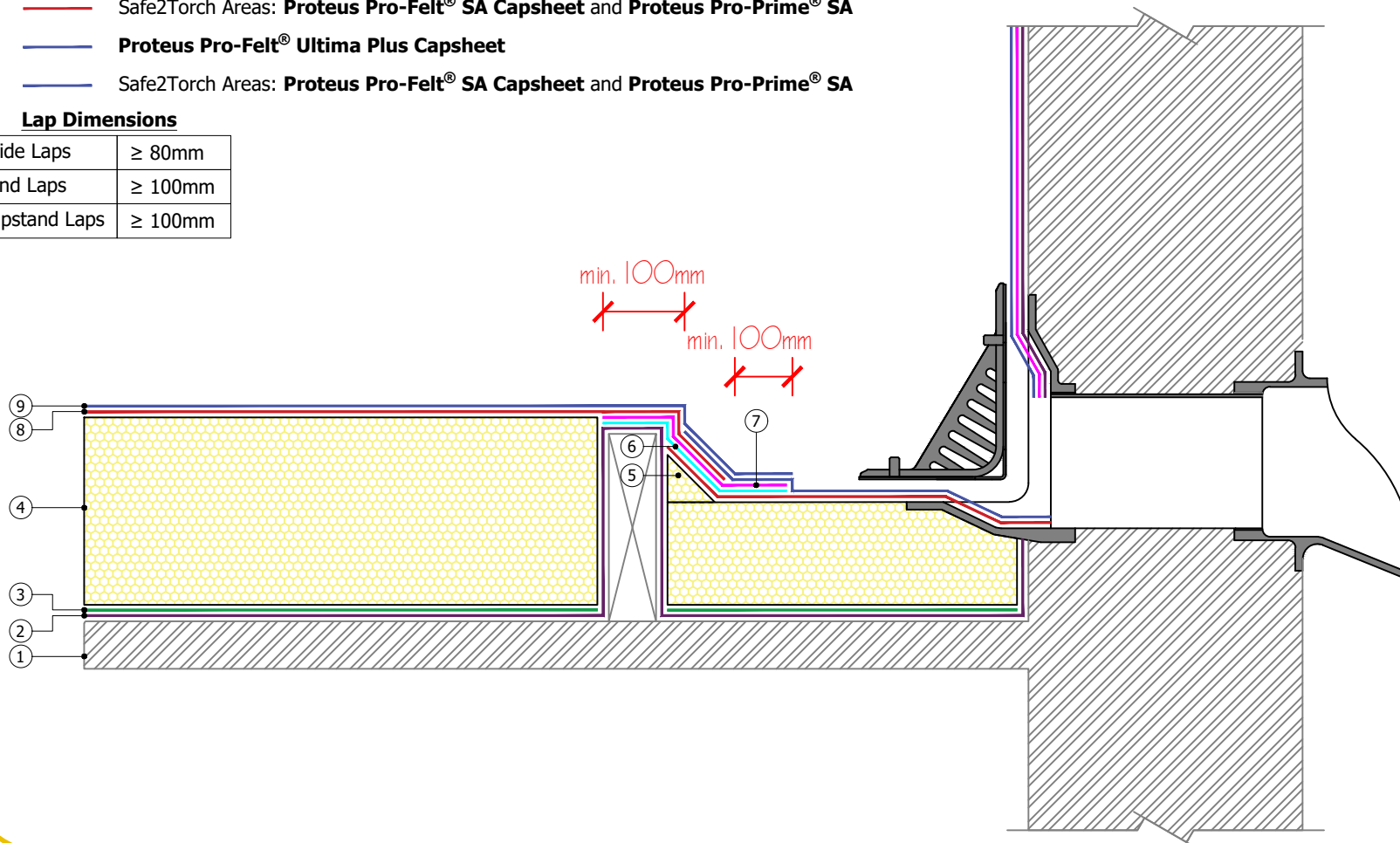
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:	Roof Type:	
SD_PFULP_BUR_12	BUR	
Description:		
Uninsulated Parapet Outlet		
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

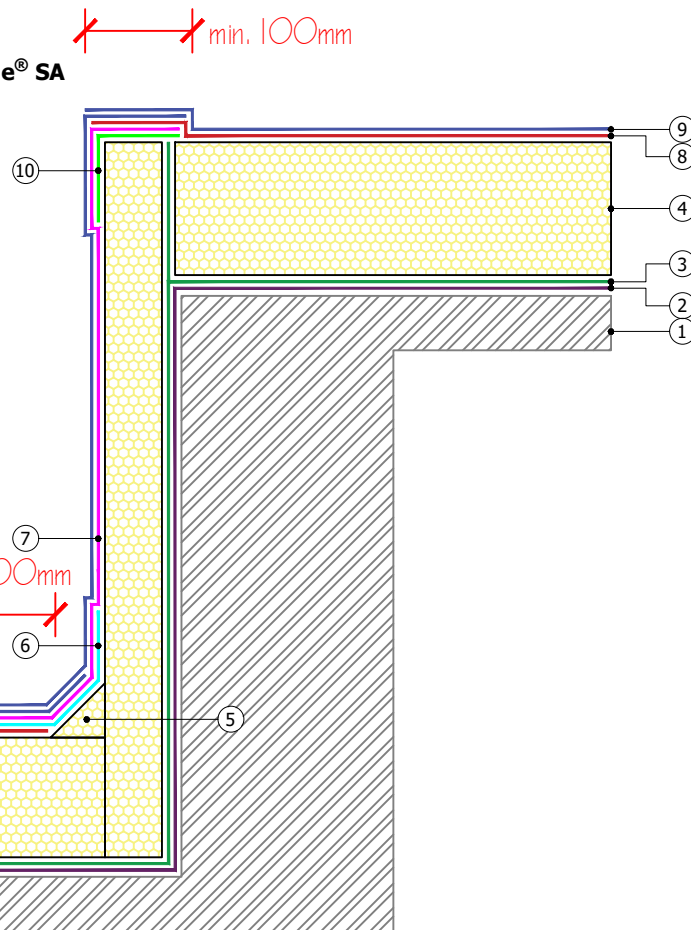
Proteus Pro-Felt® Ultima Plus



- ①  Substrate
- ②  Timber Substrate: **Proteus Pro-Felt® SA Underlay (AVCL)** and **Proteus Pro-Prime® SA**
- ②  Concrete/Asphalt/Felt substrate: **Proteus Pro-Felt® Ultima Plus Underlay (AVCL)** and **Proteus Pro-Prime® Bitumen**
- ③  **Proteus Pro-Bond Foaming** adhesive
- ④  **Proteus Pro-Therm Insulation** (torch on facing)
- ⑤  **Proteus Pro-Therm Non-Combustible Angle Fillet** and **Proteus Pro-Bond Foaming** adhesive
- ⑥  **Proteus Pro-Felt® 3mm Plain Underlay** reinforcement (25 year system only)
- ⑥  Safe2Torch Areas: **Proteus Pro-Felt® SA Underlay** and **Proteus Pro-Prime® SA**
- ⑦  **Proteus Pro-Felt® 3mm Plain Underlay**
- ⑦  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑧  **Proteus Pro-Felt® Ultima Plus Underlay**
- ⑧  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑨  Safe2Torch Areas: **Proteus Pro-Felt® SA Capsheet** and **Proteus Pro-Prime® SA**
- ⑩  Metal angle and **Proteus Pro-Bond Foaming** adhesive

Lap Dimensions

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm



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Drawing No.:		Roof Type:
SD_PFULP_BUR_13		BUR
Description:		
Roof Transition		
Scale:	Drawn:	Date:
NTS	W.Harding	18/07/2024

Proteus Pro-Felt® Ultima Plus

