











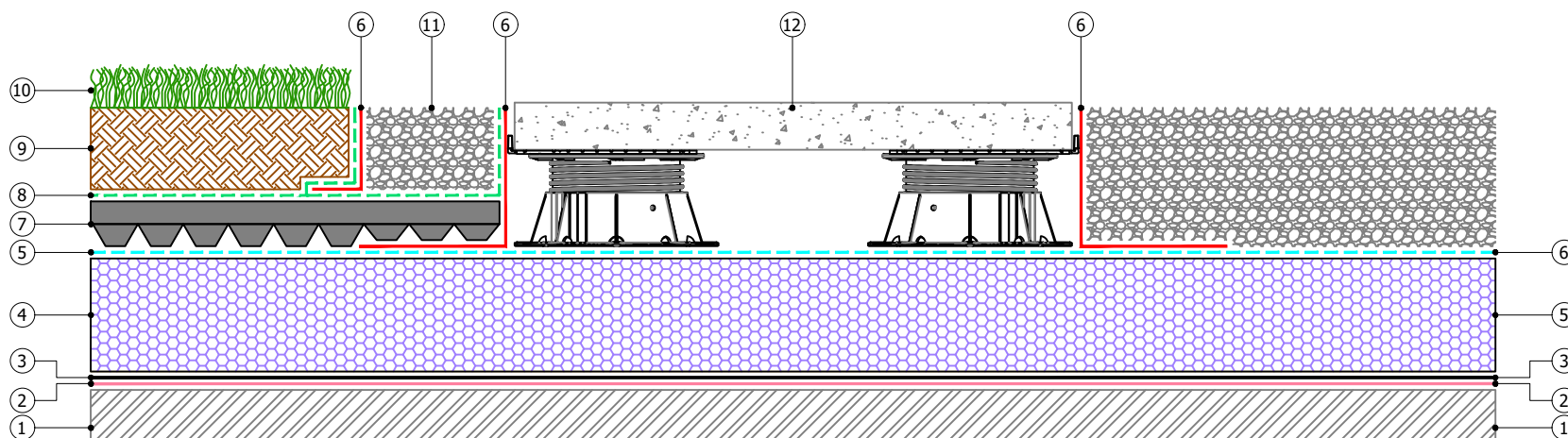


- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Therm Insulation** (as per specification)
- ⑤  **Proteus Pro-Therm Low-K** (separation layer)
- ⑥  **Pro-Living® Drainage Trim**
- ⑦  **Pro-Living® Drainage Board**
- ⑧  **Pro-Living® Filter Fleece**
- ⑨  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑩  **Pro-Living® Vegetation**
- ⑪  **Gravel ballast** (2000/553/EC compliant)
- ⑫  **Paving slabs on pedestals** (2000/553/EC compliant)



Proteus Waterproofing Ltd.

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E: office@proteuswaterproofing.co.uk

All components are to be prepared
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Proteus Project Specification

Notes :

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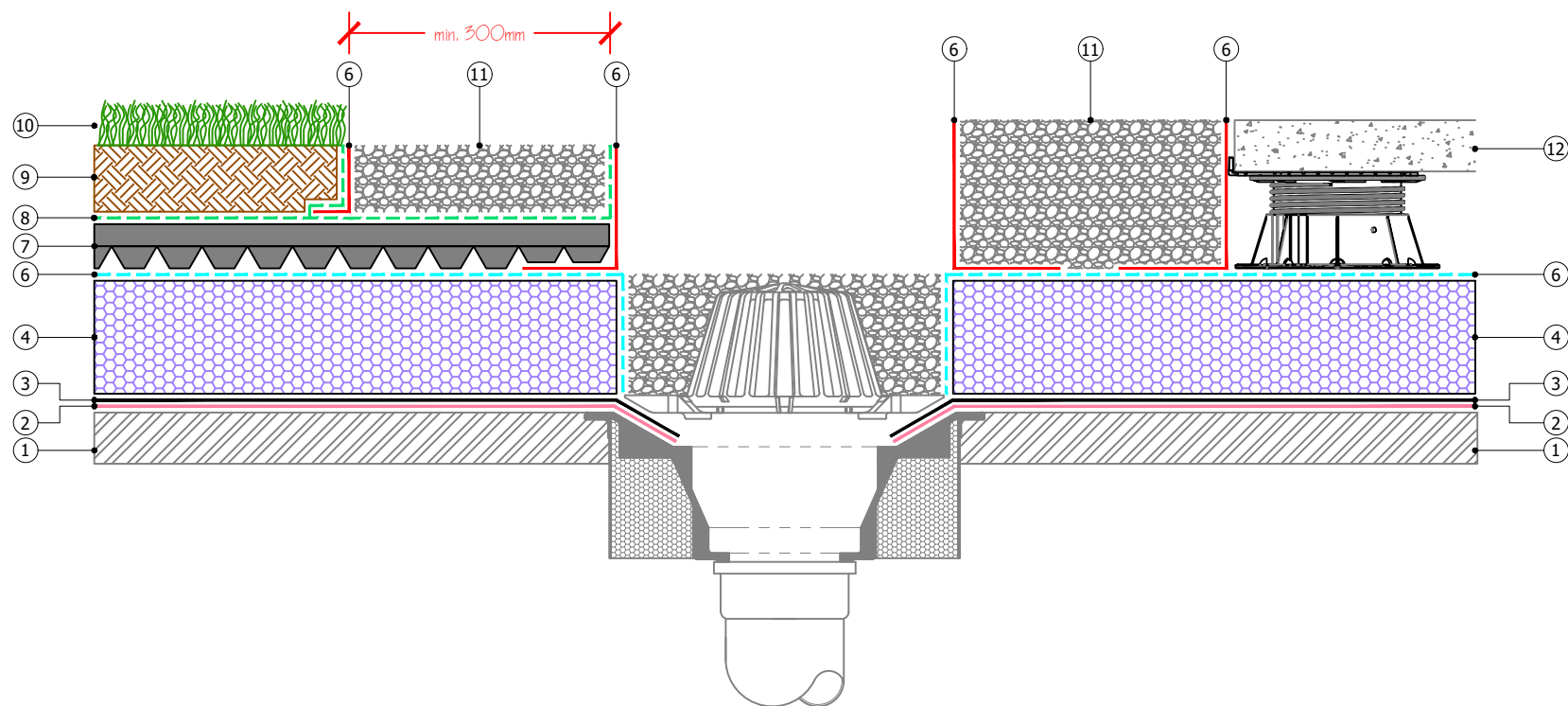
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Drawing No.: SD_HM_INVERTED_01		Roof Type: Inverted
Description: Horizontal Surface		
Scale: NTS	Drawn: W.Harding	Date: 18/06/2025

Proteus Hot Melt®



- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Therm Insulation** (as per specification)
- ⑤  **Proteus Pro-Therm Low-K** (separation layer)
- ⑥  **Pro-Living® Drainage Trim**
- ⑦  **Pro-Living® Drainage Board**
- ⑧  **Pro-Living® Filter Fleece**
- ⑨  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑩  **Pro-Living® Vegetation**
- ⑪  **Gravel ballast** (2000/553/EC compliant)
- ⑫  **Paving slabs on pedestals** (2000/553/EC compliant)



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








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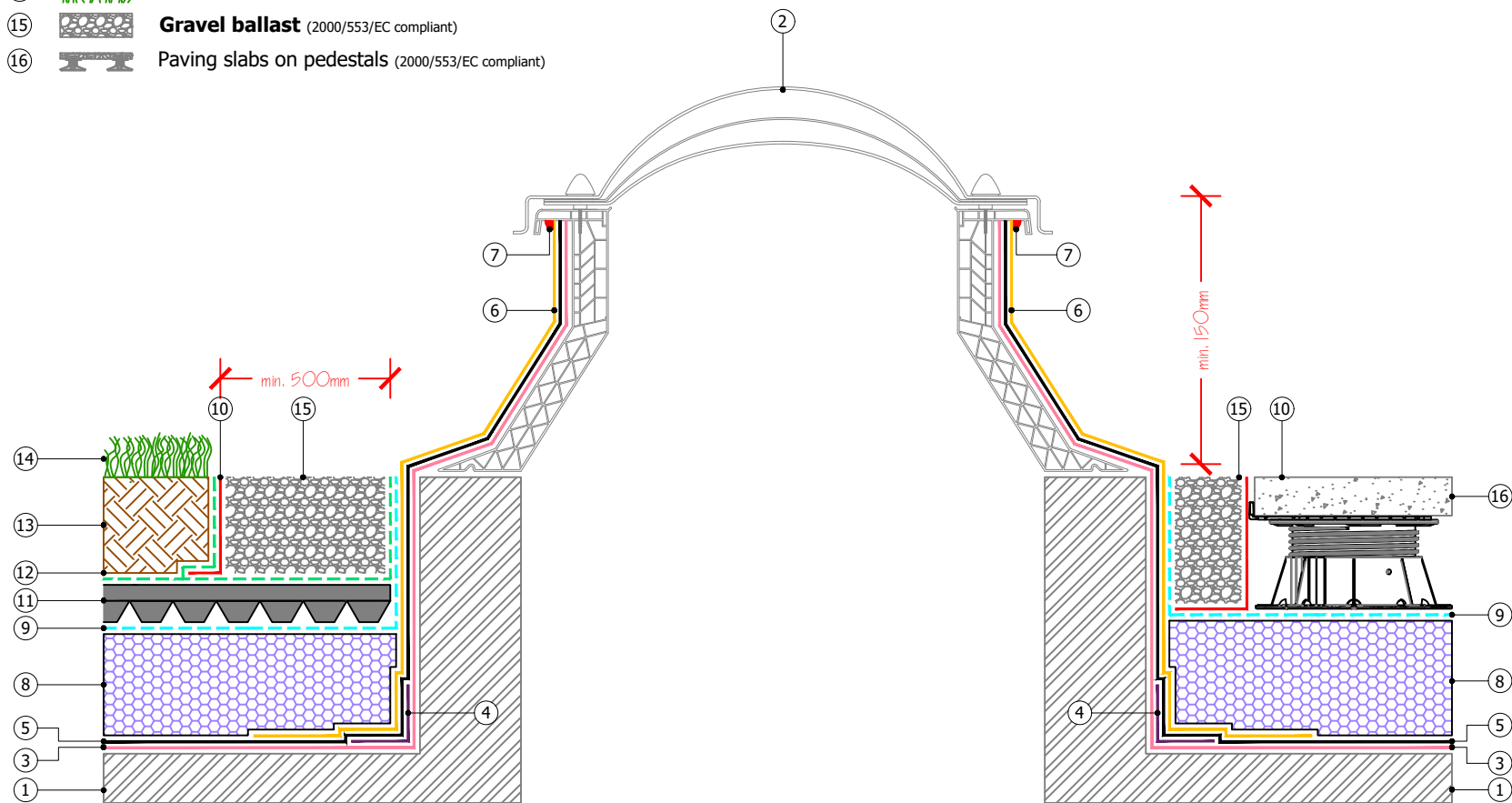
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Drawing No.: SD_HM_INVERTED_02		Roof Type: Inverted
Description: Vertical Rainwater Outlet		
Scale: NTS	Drawn: W.Harding	Date: 18/06/2025

Proteus Hot Melt®



- ①  Substrate
- ②  Rooflight / Roof Access Hatch (by others)
- ③  **Pro-Prime® Bitumen**
- ④  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ⑤  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑥  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑦  **Proteus Sealant**
- ⑧  **Proteus Pro-Therm Insulation** (as per specification)
- ⑨  **Proteus Pro-Therm Low-K** (separation layer)
- ⑩  **Pro-Living® Drainage Trim**
- ⑪  **Pro-Living® Drainage Board**
- ⑫  **Pro-Living® Filter Fleece**
- ⑬  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑭  **Pro-Living® Vegetation**
- ⑮  **Gravel ballast** (2000/553/EC compliant)
- ⑯  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_03

Roof Type:

Inverted

Description:

Rooflight / Access Hatch

Scale:

NTS

Drawn:

W.Harding















Date:

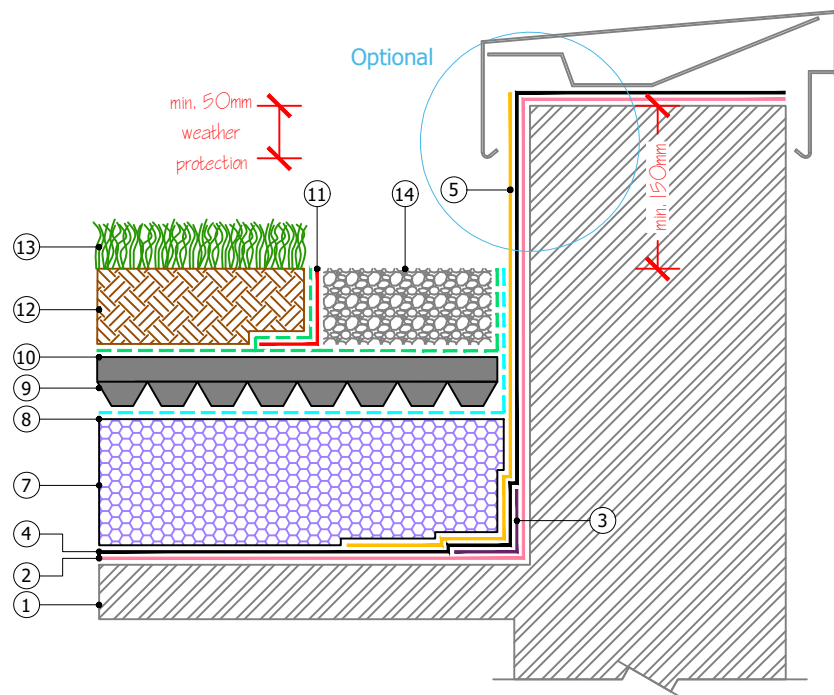
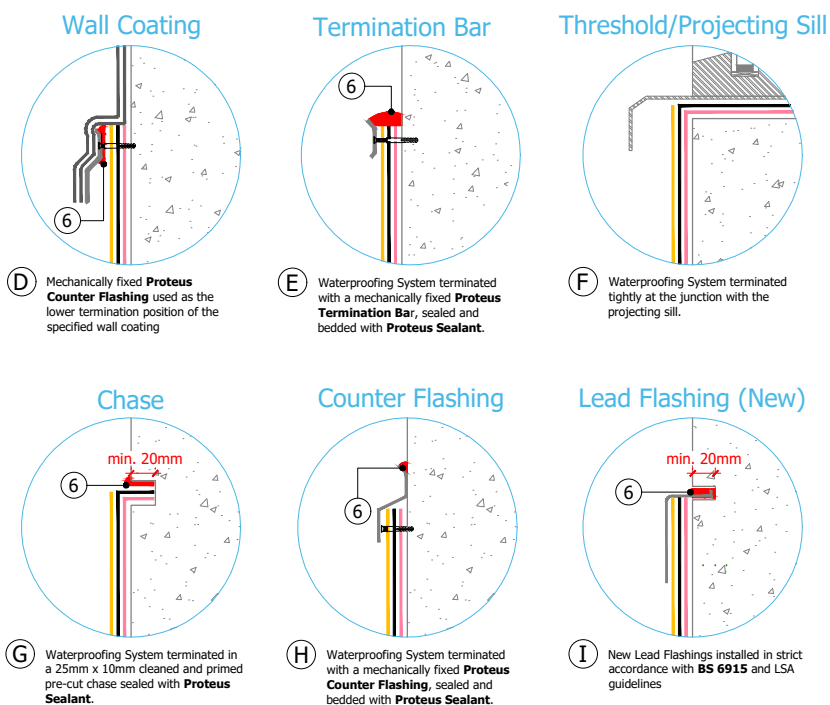
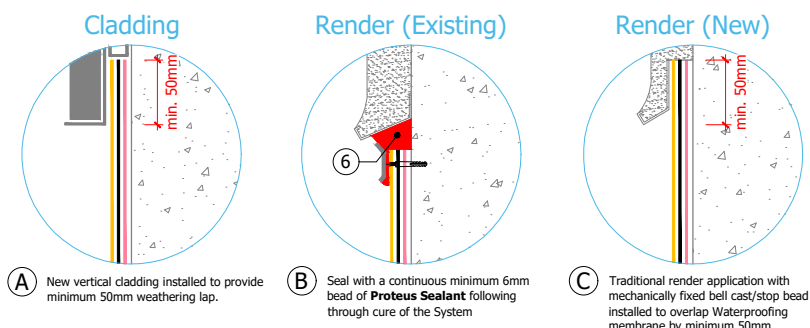
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑥  **Proteus Sealant**
- ⑦  **Proteus Pro-Therm Insulation** (as per specification)
- ⑧  **Proteus Pro-Therm Low-K** (separation layer)
- ⑨  **Pro-Living® Drainage Board**
- ⑩  **Pro-Living® Filter Fleece**
- ⑪  **Pro-Living® Drainage Trim**
- ⑫  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑬  **Pro-Living® Vegetation**
- ⑭  **Gravel ballast** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_04

Roof Type:

Inverted

Description:

Uprand Terminations

Scale:

NTS

Drawn:

W.Harding











Date:

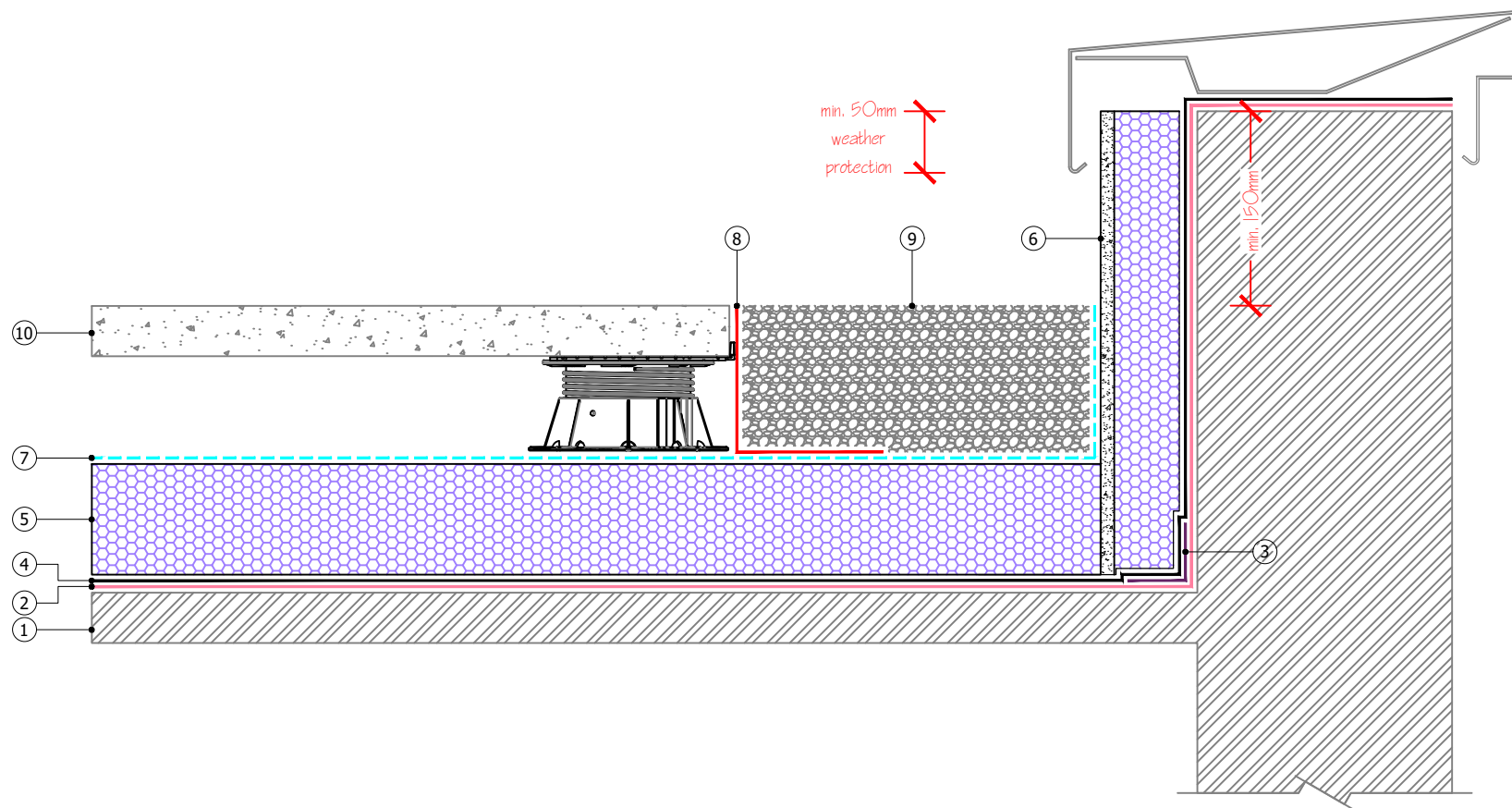
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Therm Insulation** (as per specification)
- ⑥  **Proteus Pro-Therm Upstand Board / Non-combustible Upstand Board**
- ⑦  **Proteus Pro-Therm Low-K** (separation layer)
- ⑧  **Pro-Living® Drainage Trim**
- ⑨  **Gravel ballast** (2000/553/EC compliant)
- ⑩  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_05

Roof Type:

Inverted

Description:

Insulated Parapet - Capping

Scale:

NTS

Drawn:

W.Harding











Date:

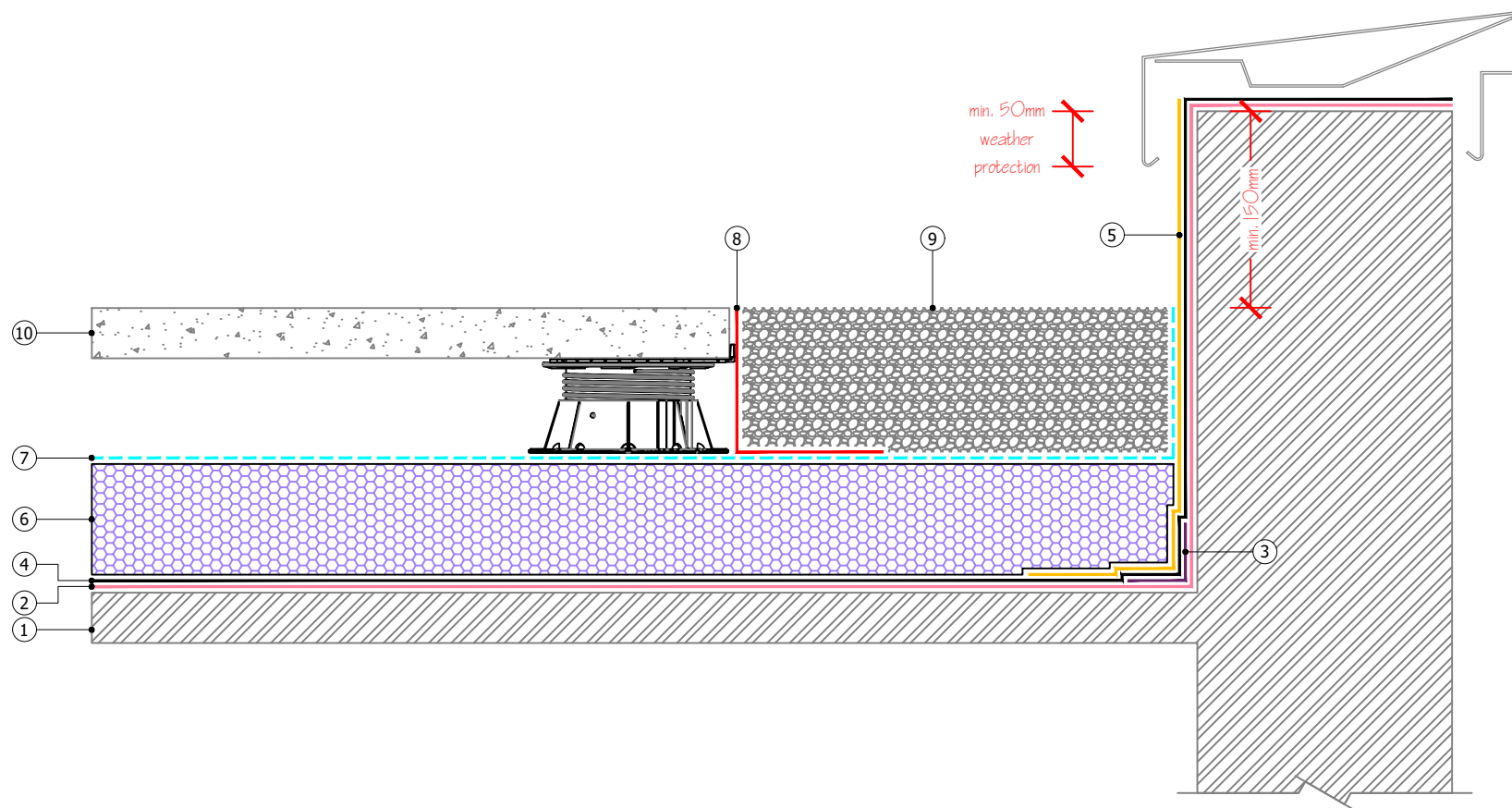
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑥  **Proteus Pro-Therm Insulation** (as per specification)
- ⑦  **Proteus Pro-Therm Low-K** (separation layer)
- ⑧  **Pro-Living® Drainage Trim**
- ⑨  **Gravel ballast** (2000/553/EC compliant)
- ⑩  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_06

Roof Type:

Inverted

Description:

Uninsulated Parapet - Capping

Scale:

NTS

Drawn:

W.Harding












Date:

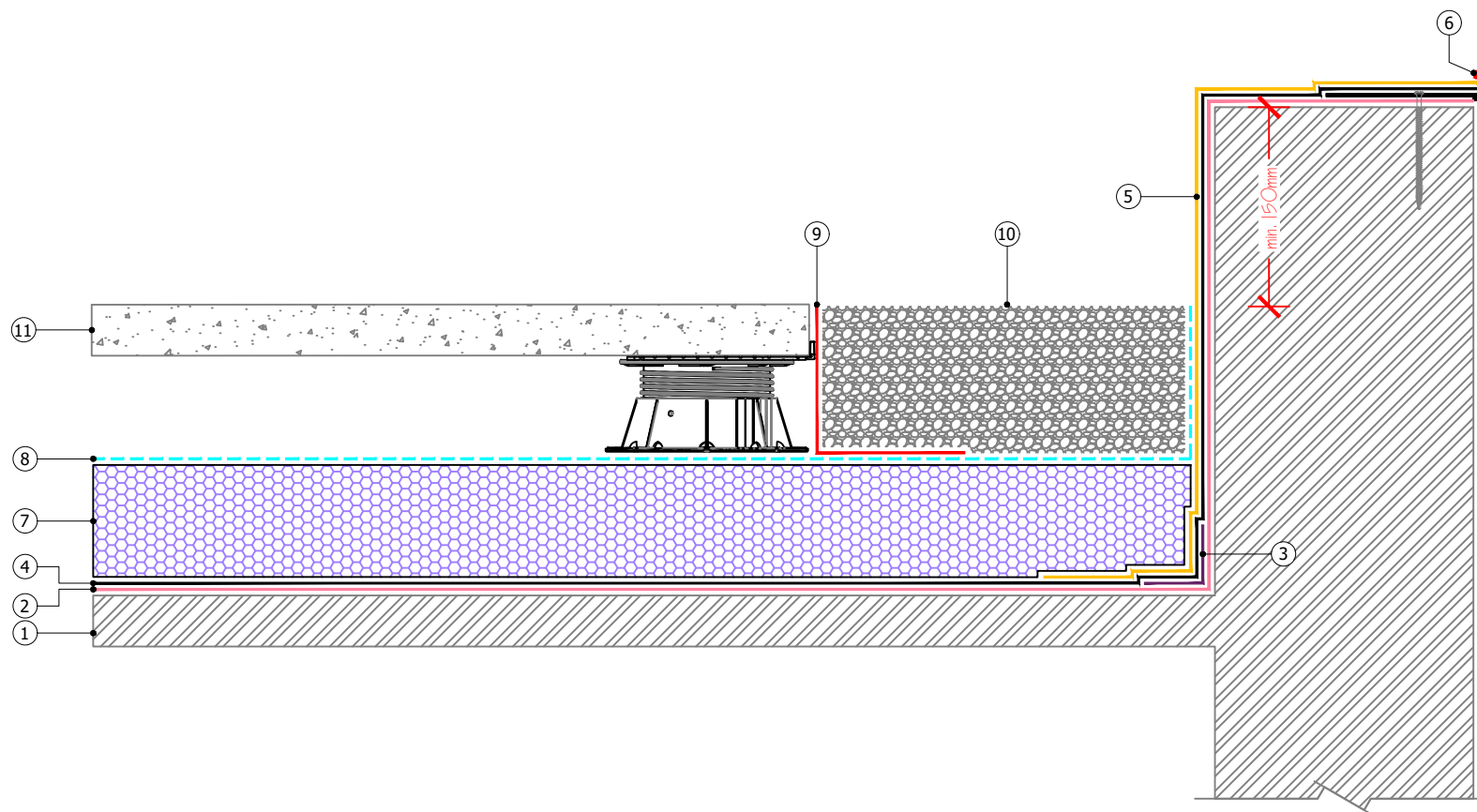
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑥  **GRP Trim** (mechanically fixed) and **Proteus Sealant**
- ⑦  **Proteus Pro-Therm Insulation** (as per specification)
- ⑧  **Proteus Pro-Therm Low-K** (separation layer)
- ⑨  **Pro-Living® Drainage Trim**
- ⑩  **Gravel ballast** (2000/553/EC compliant)
- ⑪  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_07

Roof Type:

Inverted

Description:

Parapet - GRP Trim

Scale:

NTS

Drawn:

W.Harding










Date:

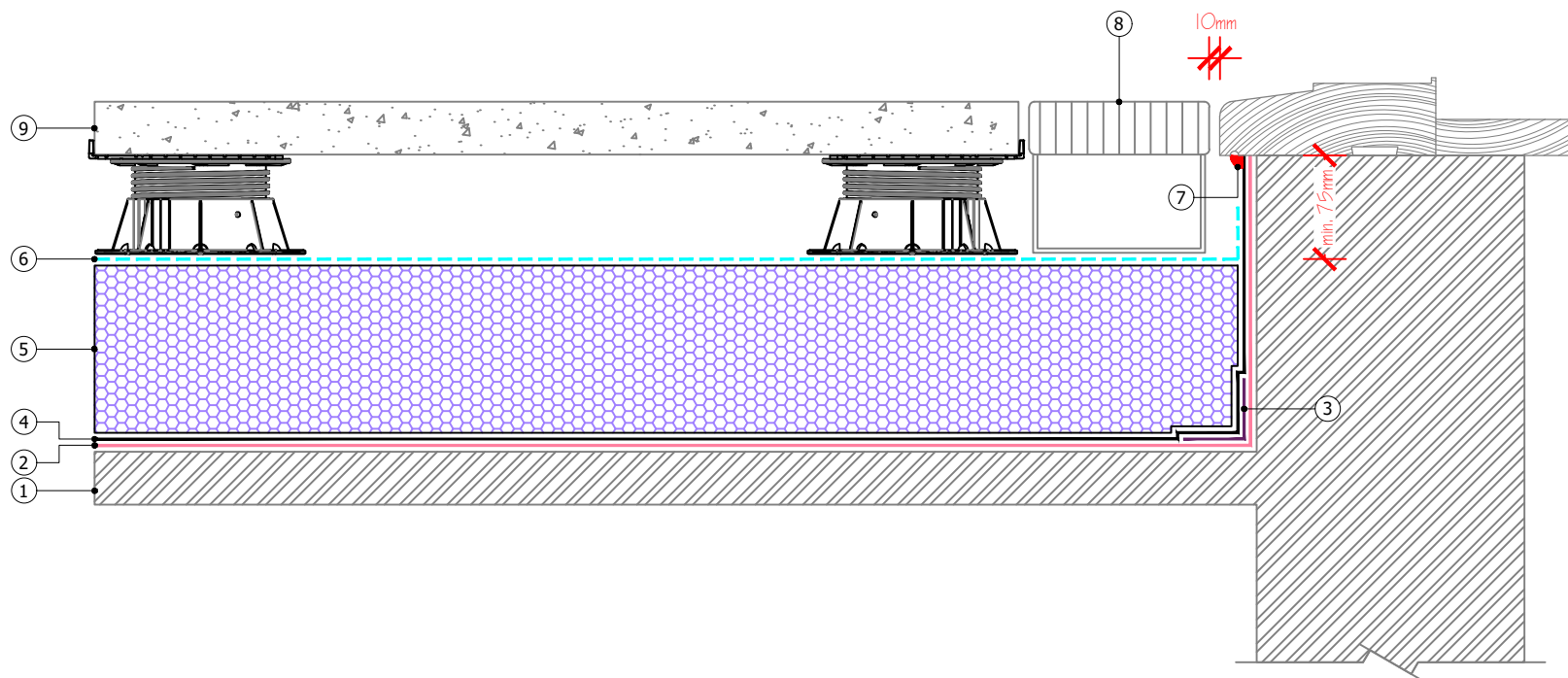
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Therm Insulation** (as per specification)
- ⑥  **Proteus Pro-Therm Low-K** (separation layer)
- ⑦  **Proteus Bitumen Sealant**
- ⑧  Slot drain by others
- ⑨  Paving slabs on pedestals (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_08

Roof Type:

Inverted

Description:

Level Threshold (Existing) - Sealant

Scale:

NTS

Drawn:

W.Harding










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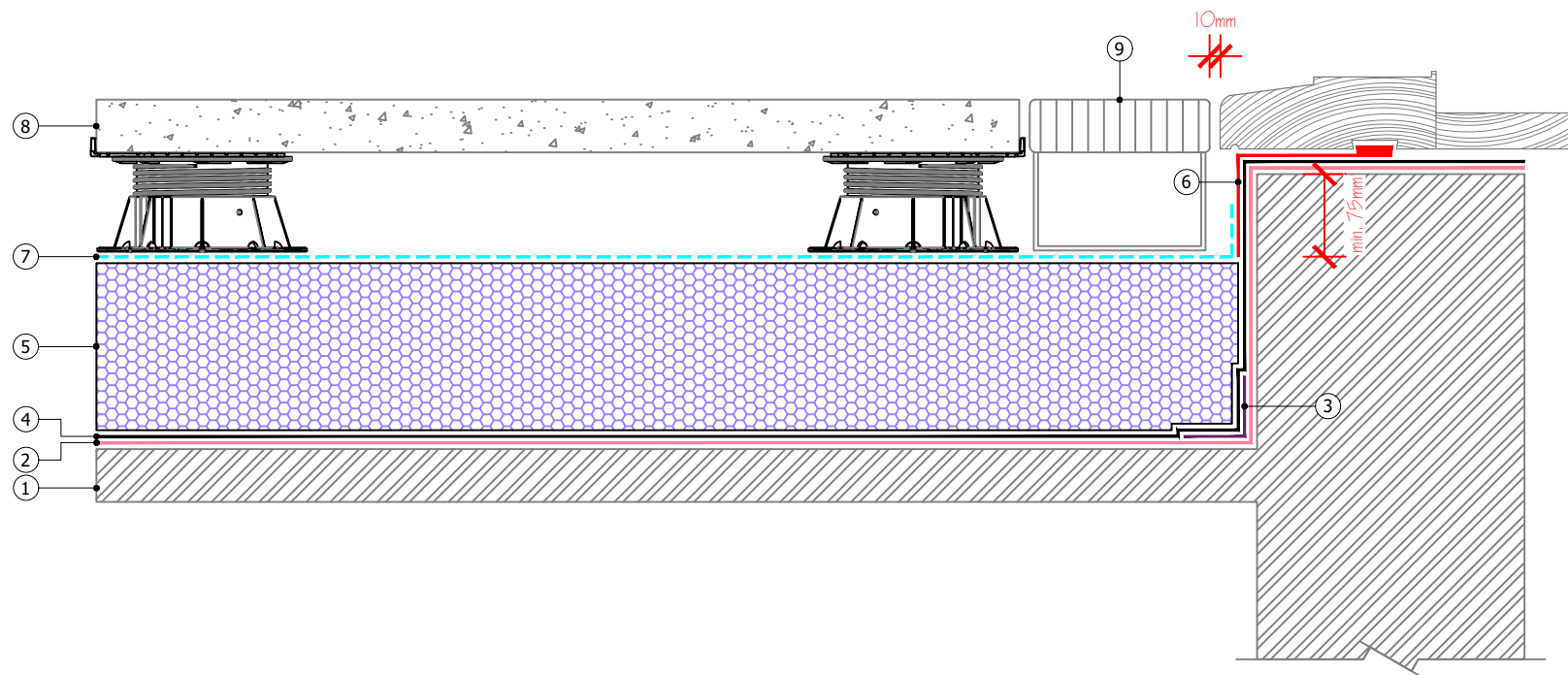
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Therm Insulation** (as per specification)
- ⑥  EPDM membrane (min. 100mm lap onto waterproofing)
- ⑦  **Proteus Pro-Therm Low-K** (separation layer)
- ⑧  Paving slabs on pedestals (2000/553/EC compliant)
- ⑨  Slot drain by others



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Drawing No.:

SD_HM_INVERTED_09

Roof Type:

Inverted

Description:

Level Threshold (New) - EPDM

Scale:

NTS

Drawn:
















W.Harding

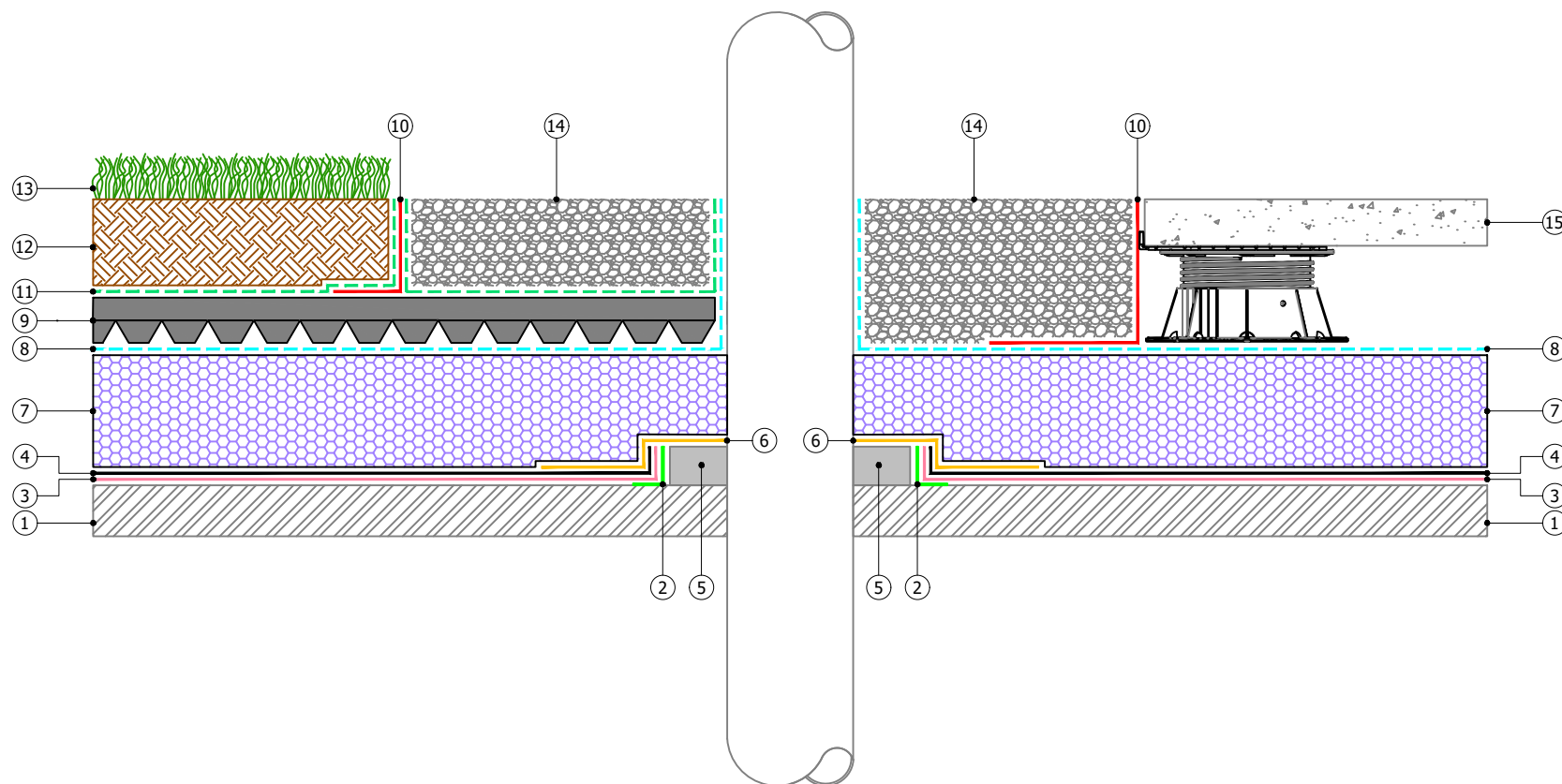
Date:

18/06/2025

Proteus Hot Melt®



- ①  Substrate
- ②  Metal Angle
- ③  **Pro-Prime® Bitumen**
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Hot-Melt® Pitch Pocket Detail**
- ⑥  **Proteus Pro-Felt® Ultima Plus Capsheet**
- ⑦  **Proteus Pro-Therm Insulation** (as per specification)
- ⑧  **Proteus Pro-Therm Low-K** (separation layer)
- ⑨  **Pro-Living® Drainage Board**
- ⑩  **Pro-Living® Drainage Trim**
- ⑪  **Pro-Living® Filter Fleece**
- ⑫  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑬  **Pro-Living® Vegetation**
- ⑭  **Gravel ballast** (2000/553/EC compliant)
- ⑮  **Paving slabs on pedestals** (2000/553/EC compliant)



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






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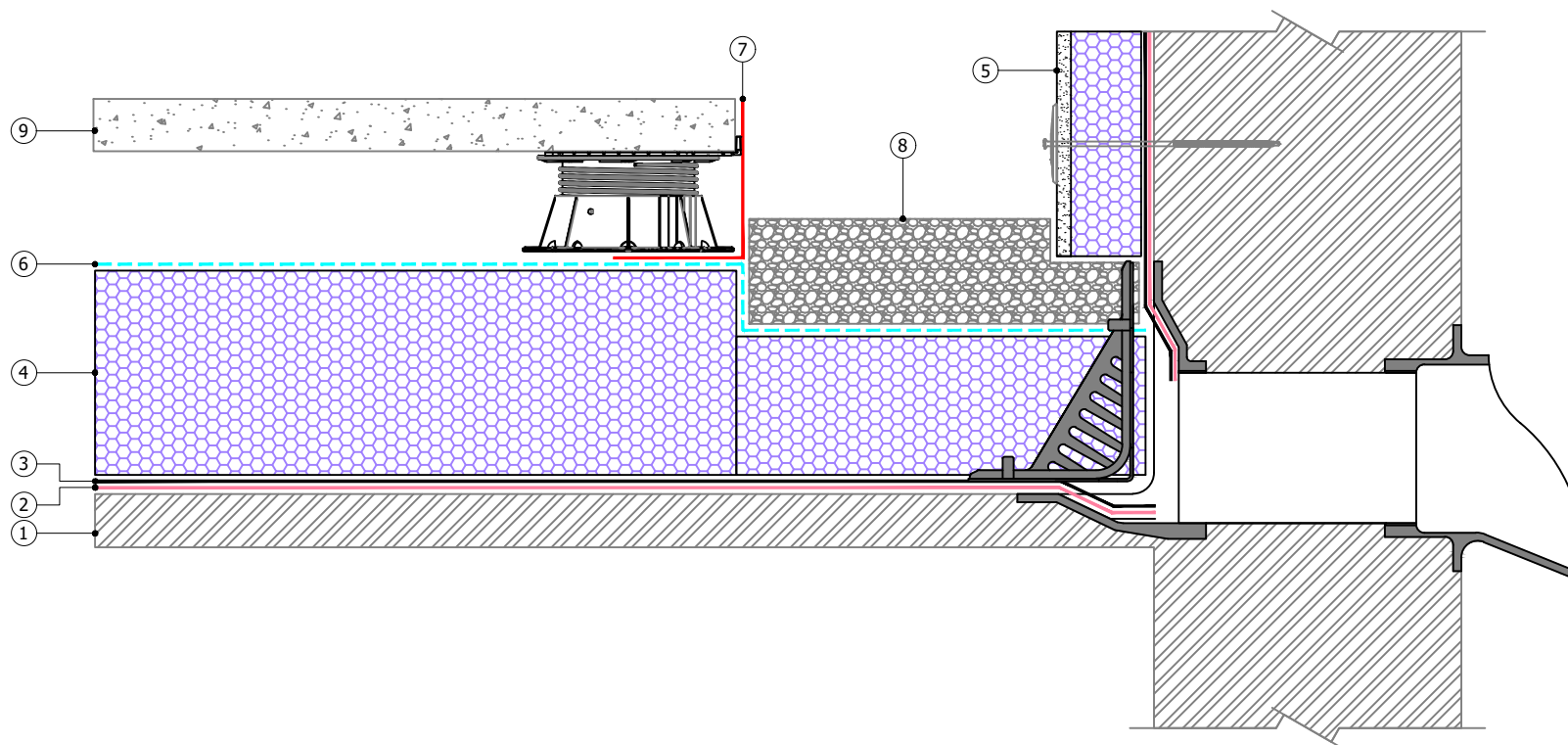
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Drawing No.: SD_HM_INVERTED_10		Roof Type: Inverted
Description: Cold Pipe Penetration		
Scale: NTS	Drawn: W.Harding	Date: 18/06/2025

Proteus Hot Melt®



- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Therm Insulation** (as per specification)
- ⑤  **Proteus Pro-Therm Upstand Board / Non-combustible Upstand Board**
- ⑥  **Proteus Pro-Therm Low-K** (separation layer)
- ⑦  **Pro-Living® Drainage Trim**
- ⑧  **Gravel ballast** (2000/553/EC compliant)
- ⑨  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_11

Roof Type:

Inverted

Description:

Insulated Parapet Gutter

Scale:

NTS

Drawn:

W.Harding












Date:

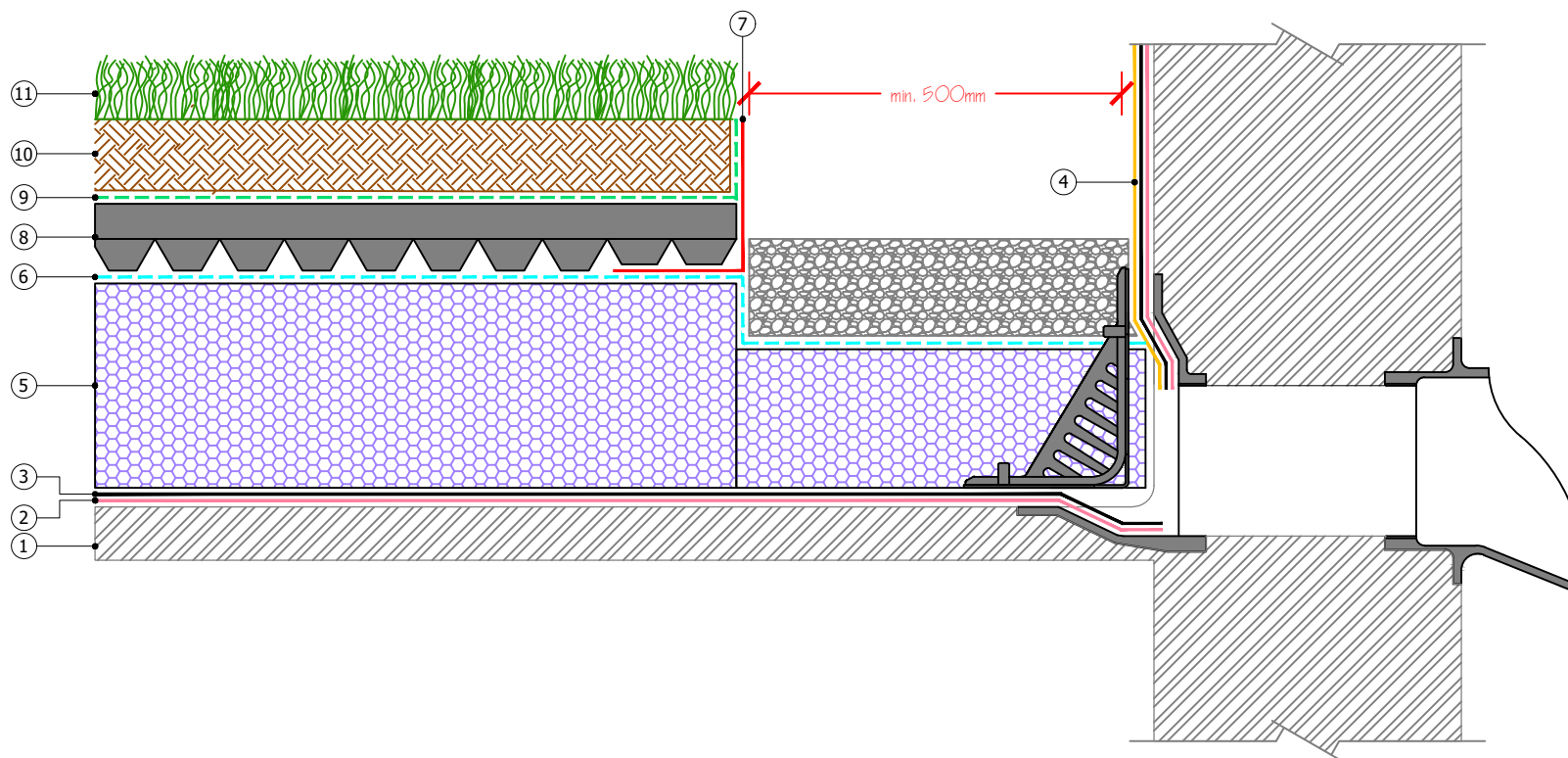
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑤  **Proteus Pro-Therm Insulation** (as per specification)
- ⑥  **Proteus Pro-Therm Low-K** (separation layer)
- ⑦  **Pro-Living® Drainage Trim**
- ⑧  **Pro-Living® Drainage Board**
- ⑨  **Pro-Living® Filter Fleece**
- ⑩  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑪  **Pro-Living® Vegetation**



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Drawing No.:

SD_HM_INVERTED_12

Roof Type:

Inverted

Description:

Uninsulated Parapet Gutter

Scale:

NTS

Drawn:

W.Harding














Date:

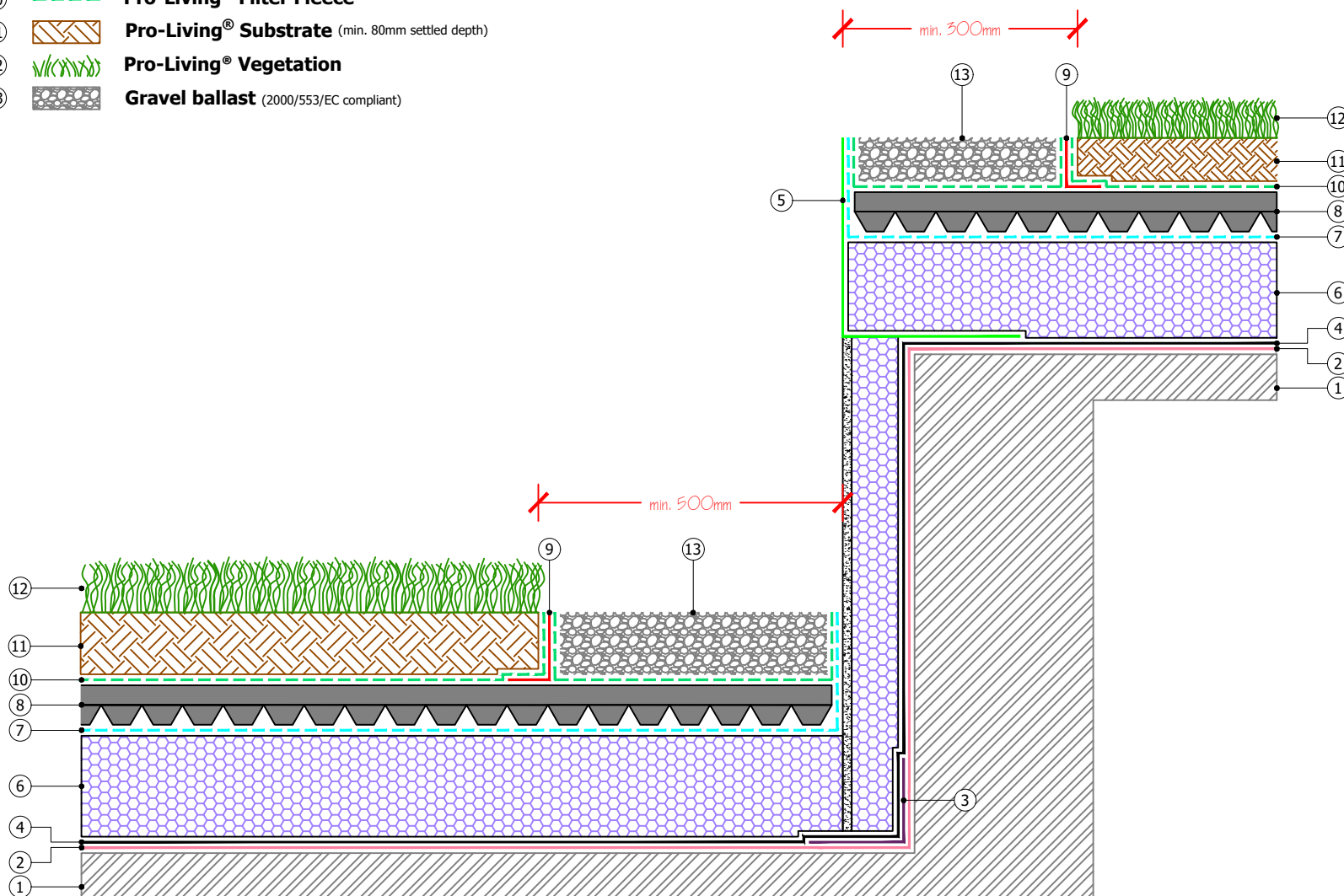
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  Metal angle (by others)
- ⑥  **Proteus Pro-Therm Insulation** (as per specification)
- ⑦  **Proteus Pro-Therm Low-K** (separation layer)
- ⑧  **Pro-Living® Drainage Board**
- ⑨  **Pro-Living® Drainage Trim**
- ⑩  **Pro-Living® Filter Fleece**
- ⑪  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑫  **Pro-Living® Vegetation**
- ⑬  **Gravel ballast** (2000/553/EC compliant)



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E: office@proteuswaterproofing.co.uk

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Notes :

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Drawing No.:

SD_HM_INVERTED_13

Roof Type:

Inverted

Description:

Roof Transition

Scale:

NTS

Drawn:

W.Harding

Date:

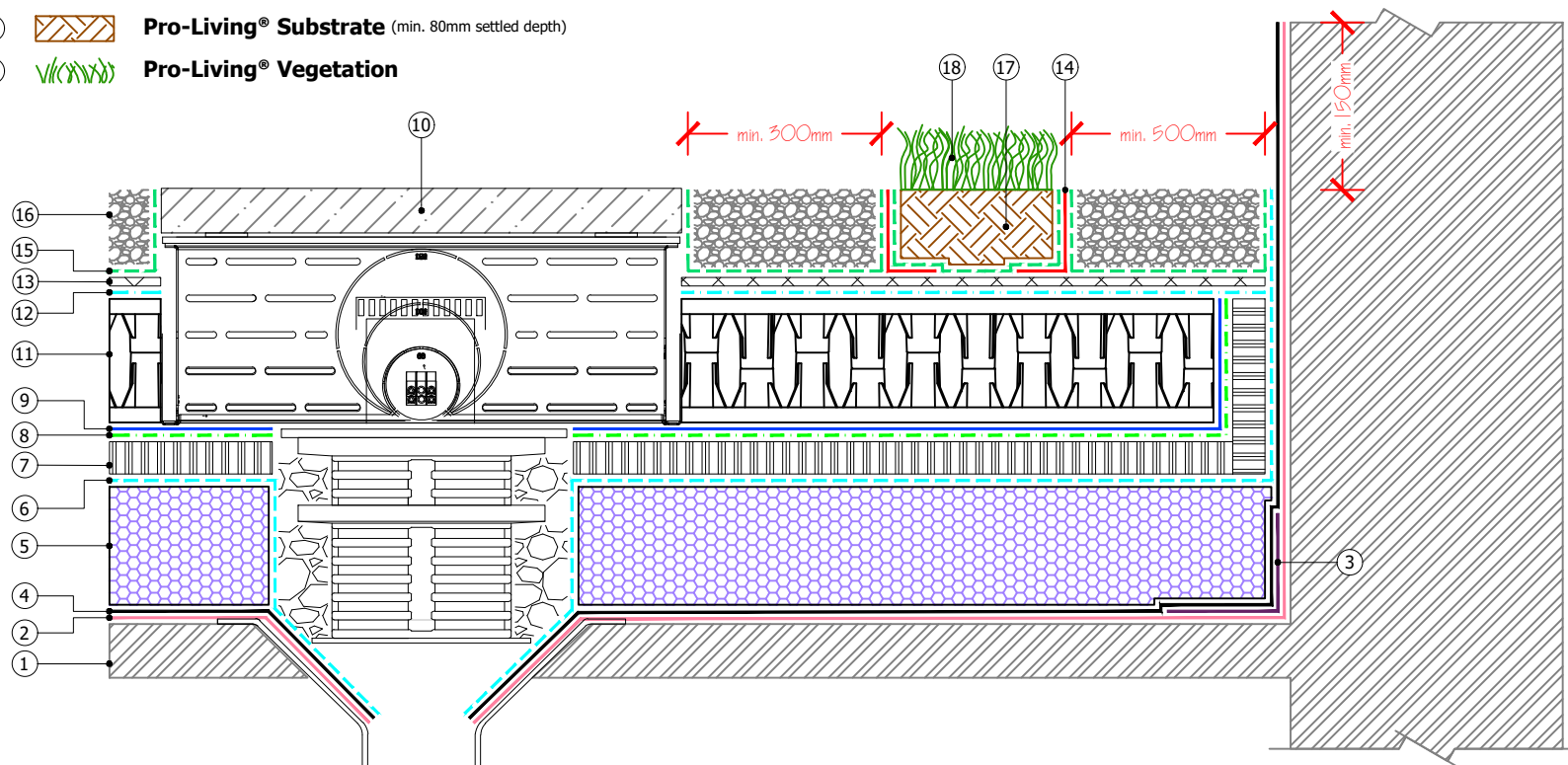
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Therm Insulation** (inverted)
- ⑥  **Proteus Pro-Therm Low-K** (separation layer)
- ⑦  **Pro-Living® Blue Boxx 30mm**
- ⑧  **Pro-Living® Blue Boxx HD-350 Geotextile**
- ⑨  **Pro-Living® Aqua Wrap**
- ⑩  **Pro-Living® Blue Boxx Access/Diffuser Unit**
- ⑪  **Pro-Living® Blue Boxx** (size as per specification design)
- ⑫  **Pro-Living® 125 Geotextile**
- ⑬  **Pro-Living® DR8 Drainage Board**
- ⑭  **Pro-Living® Drainage Trim**
- ⑮  **Pro-Living® Filter Fleece**
- ⑯  **Gravel ballast** (2000/553/EC compliant)
- ⑰  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑱  **Pro-Living® Vegetation**



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Drawing No.:

SD_HM_INVERTED_14

Roof Type:

Inverted

Description:

Blue Roof

Scale:

NTS

Drawn:

W.Harding















Date:

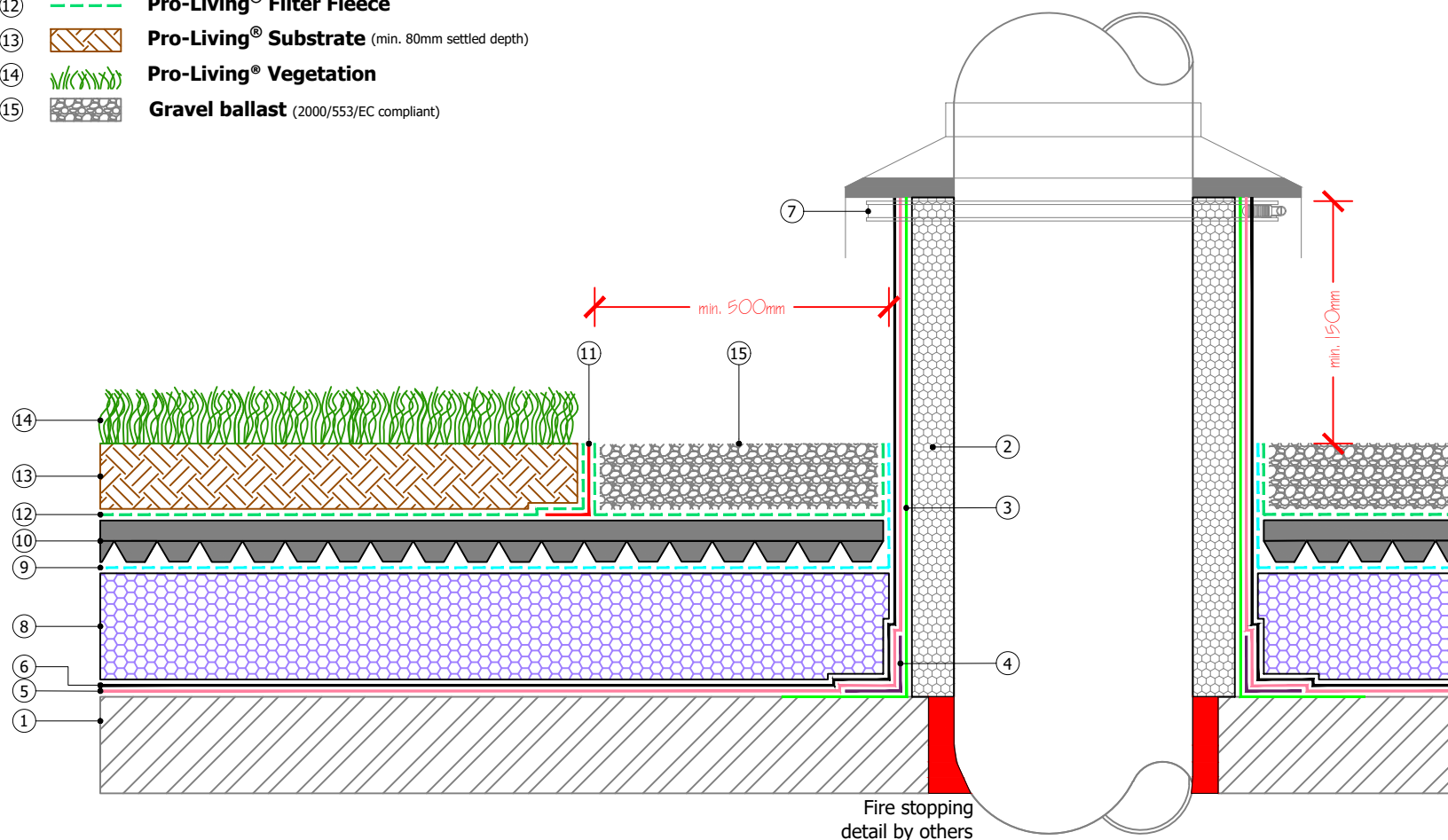
02/05/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  Non-combustible Insulation (by others)
- ③  Metal Angle (by others)
- ④  **Proteus Hot Melt®** protection felt (Soaker Detail)
- ⑤  **Pro-Prime®** Bitumen
- ⑥  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑦  Jubilee Clip (by others)
- ⑧  **Proteus Pro-Therm Insulation** (as per specification)
- ⑨  **Proteus Pro-Therm Low-K** (separation layer)
- ⑩  **Pro-Living®** Drainage Board
- ⑪  **Pro-Living®** Drainage Trim
- ⑫  **Pro-Living®** Filter Fleece
- ⑬  **Pro-Living®** Substrate (min. 80mm settled depth)
- ⑭  **Pro-Living®** Vegetation
- ⑮  **Gravel ballast** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_15

Roof Type:

Inverted

Description:

Hot pipe penetration

Scale:

NTS

Drawn:

W.Harding

Date:

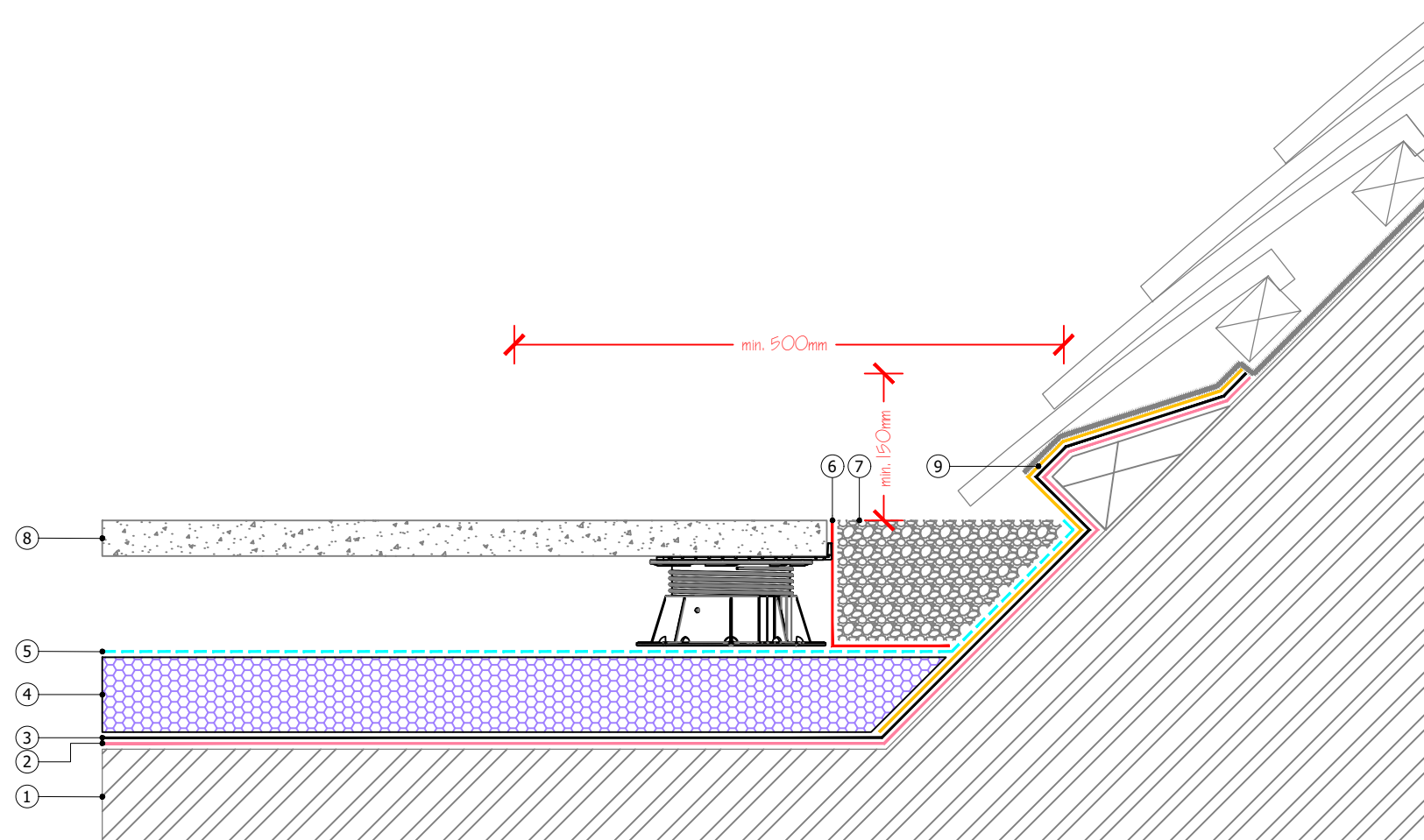
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Therm Insulation** (as per specification)
- ⑤  **Proteus Pro-Therm Low-K** (separation layer)
- ⑥  **Pro-Living® Drainage Trim**
- ⑦  **Gravel ballast** (2000/553/EC compliant)
- ⑧  Paving slabs on pedestals (2000/553/EC compliant)
- ⑨  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)



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Drawing No.:

SD_HM_INVERTED_17

Roof Type:

Inverted

Description:

Upstand/Layboard to Pitched Roof

Scale:

NTS

Drawn:

W.Harding










Date:

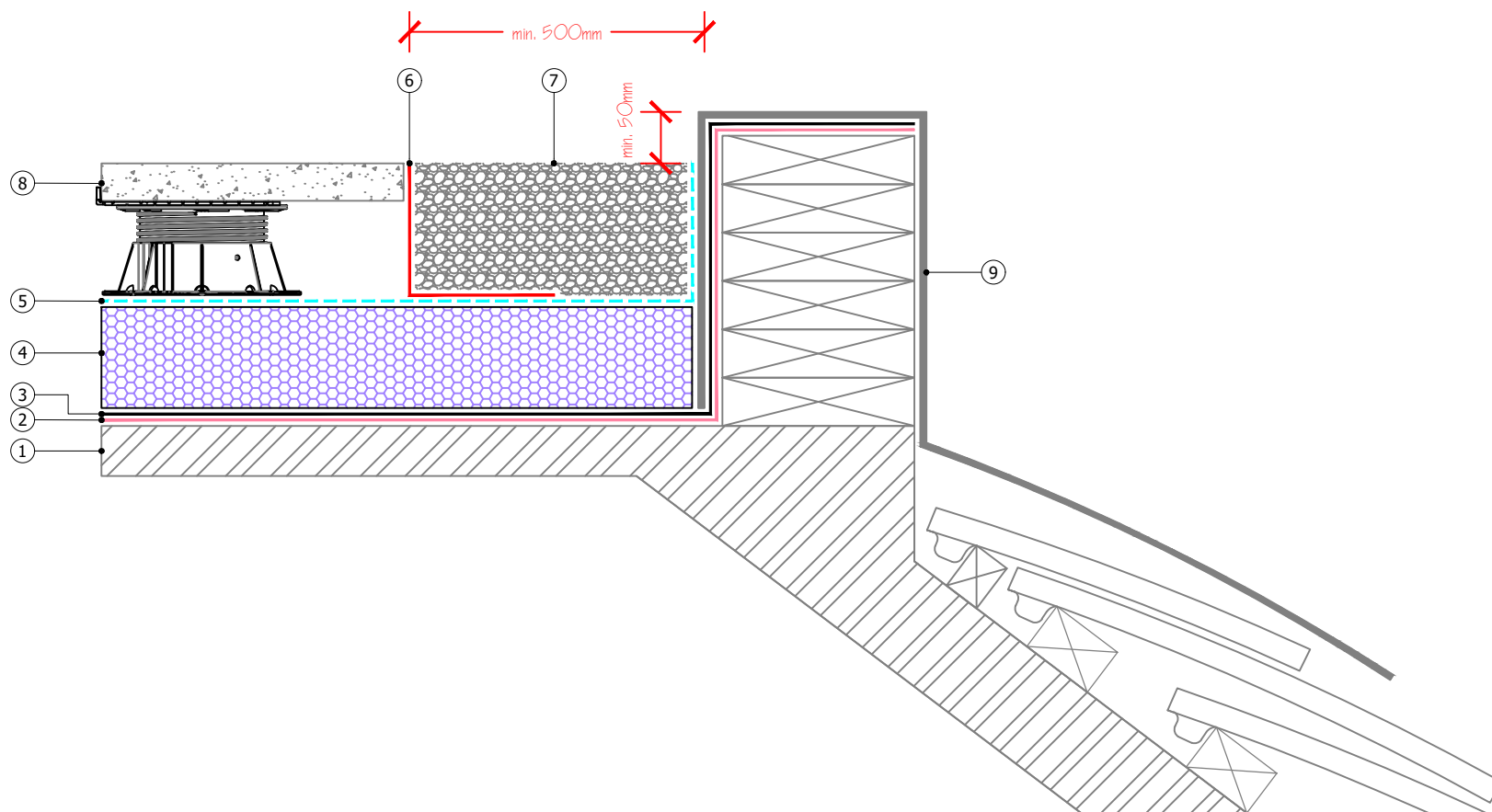
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Therm Insulation** (as per specification)
- ⑤  **Proteus Pro-Therm Low-K** (separation layer)
- ⑥  **Pro-Living® Drainage Trim**
- ⑦  **Gravel ballast** (2000/553/EC compliant)
- ⑧  **Paving slabs on pedestals** (2000/553/EC compliant)
- ⑨  **Flashing** (by others)



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Drawing No.:

SD_HM_INVERTED_18

Roof Type:

Inverted

Description:

Perimeter Mansard

Scale:

NTS

Drawn:

W.Harding















Date:

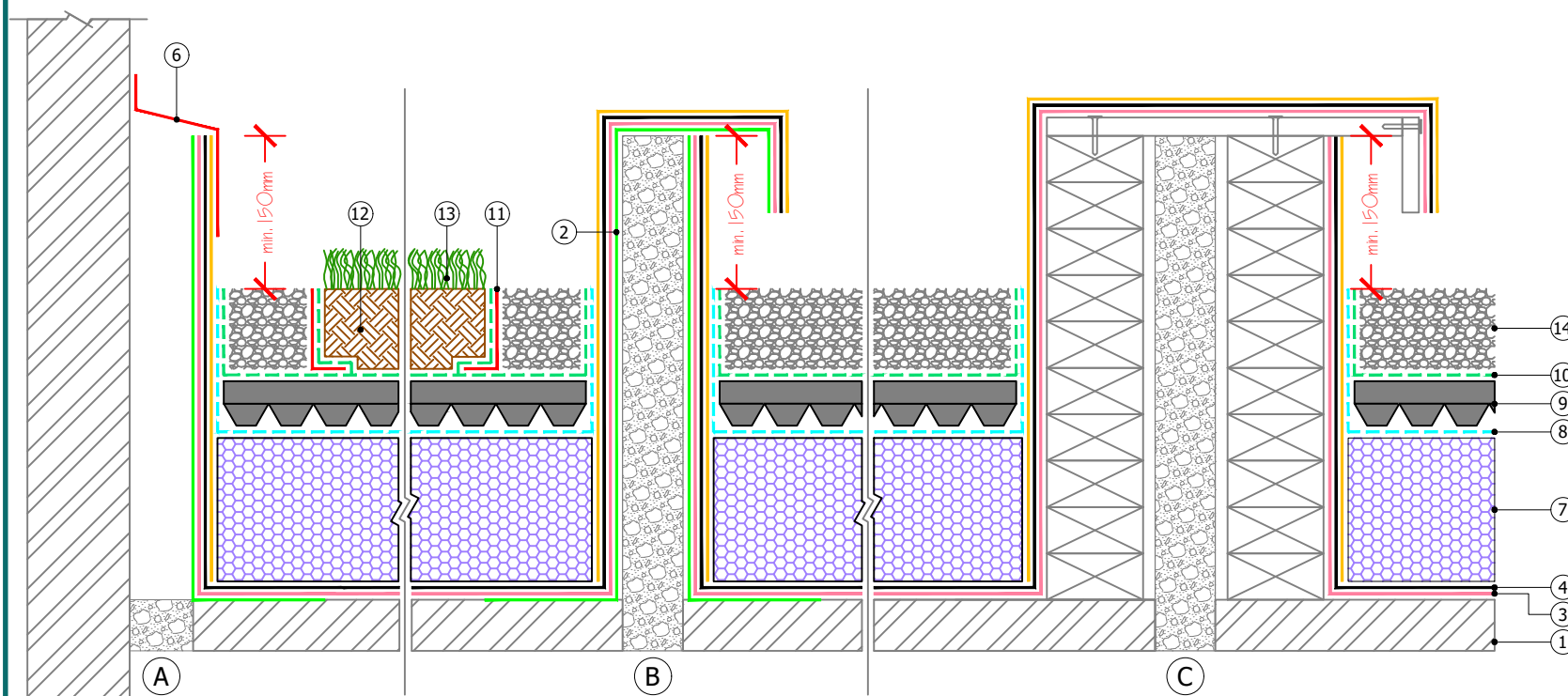
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  Metal Angle (by others)
- ③  **Pro-Prime® Bitumen**
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑥  Flashing (by others)
- ⑦  **Proteus Pro-Therm Insulation** (as per specification)
- ⑧  **Proteus Pro-Therm Low-K** (separation layer)
- ⑨  **Pro-Living® Drainage Board**
- ⑩  **Pro-Living® Filter Fleece**
- ⑪  **Pro-Living® Drainage Trim**
- ⑫  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑬  **Pro-Living® Vegetation**
- ⑭  **Gravel ballast** (2000/553/EC compliant)



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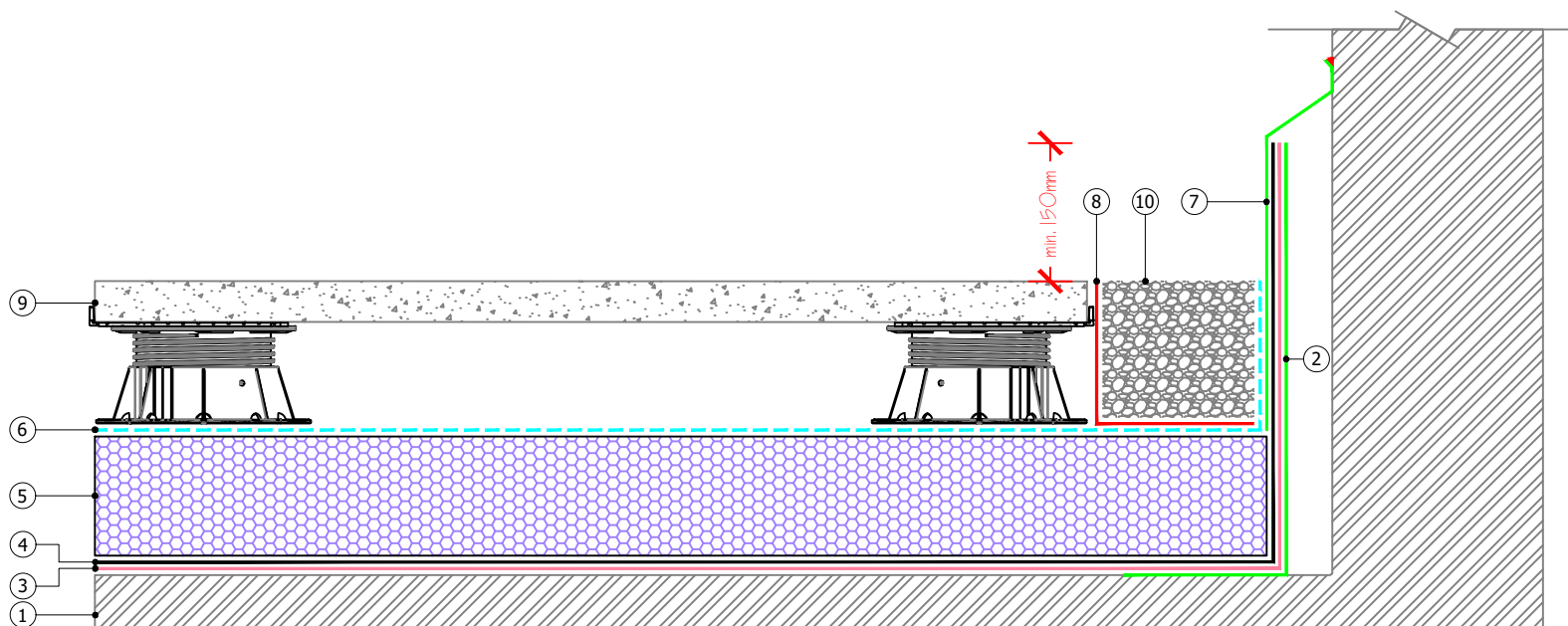
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Drawing No.:		Roof Type:
SD_HM_INVERTED_23		Inverted
Description:		
Expansion Joints		
Scale:	Drawn:	Date:
NTS	W.Harding	18/06/2025

Proteus Hot Melt®



- ①  Substrate
- ②  Metal Angle (by others)
- ③  **Pro-Prime® Bitumen**
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Therm Insulation** (as per specification)
- ⑥  **Proteus Pro-Therm Low-K** (separation layer)
- ⑦  Metal Flashing and Sealant (by others)
- ⑧  **Pro-Living® Drainage Trim**
- ⑨  Paving slabs on pedestals (2000/553/EC compliant)
- ⑩  **Gravel ballast** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_24

Roof Type:

Inverted

Description:

Independant Upstand

Scale:

NTS

Drawn:

W.Harding













Date:

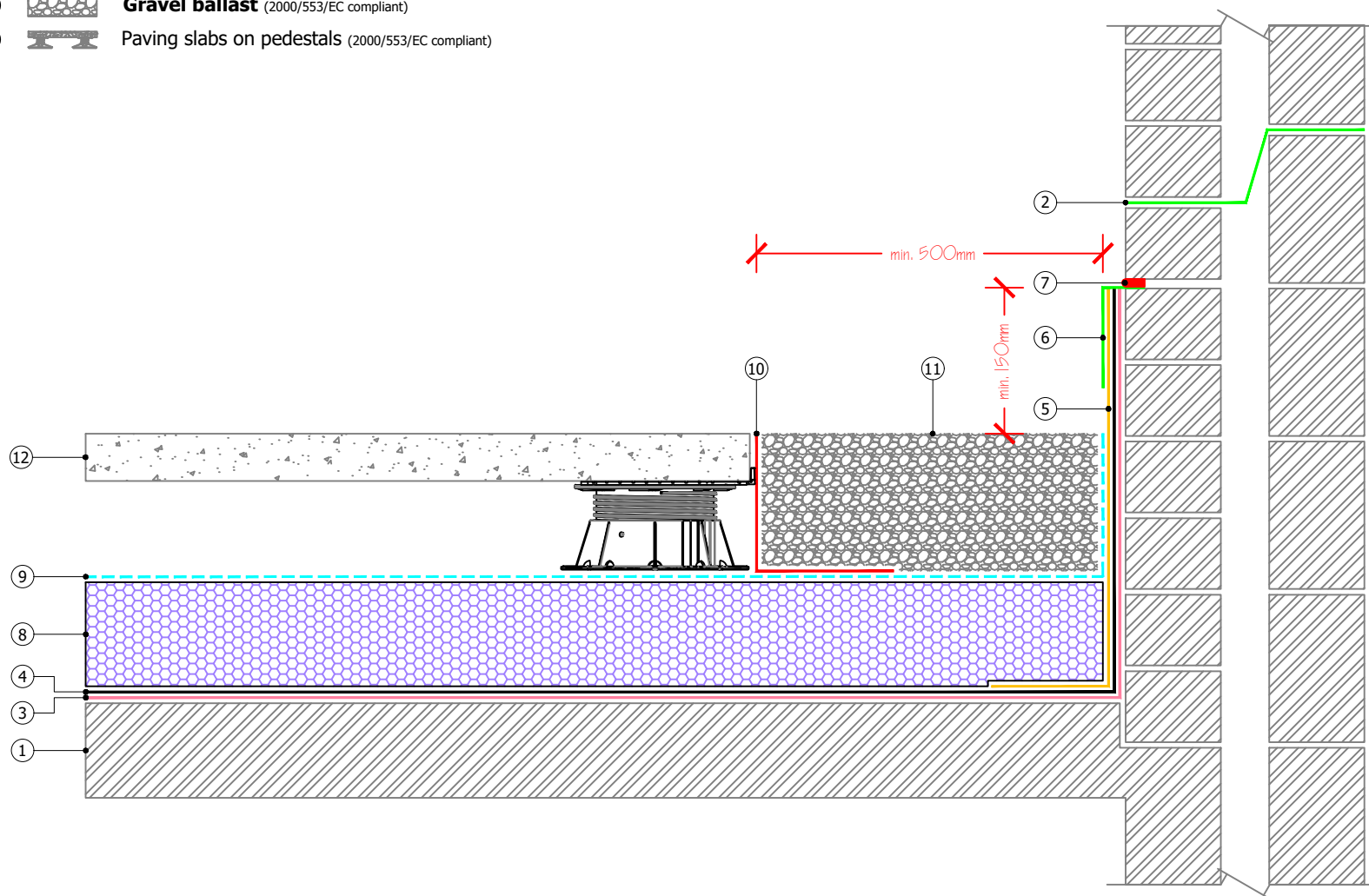
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  Metal Flashing (by others)
- ③  **Pro-Prime® Bitumen**
- ④  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ⑤  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑥  Metal Flashing (by others)
- ⑦  **Proteus Sealant**
- ⑧  **Proteus Pro-Therm Insulation** (as per specification)
- ⑨  **Proteus Pro-Therm Low-K** (separation layer)
- ⑩  **Pro-Living® Drainage Trim**
- ⑪  **Gravel ballast** (2000/553/EC compliant)
- ⑫  **Paving slabs on pedestals** (2000/553/EC compliant)



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Drawing No.:

SD_HM_INVERTED_26

Roof Type:

Inverted

Description:

Cavity tray

Scale:

NTS

Drawn:

W.Harding














Date:

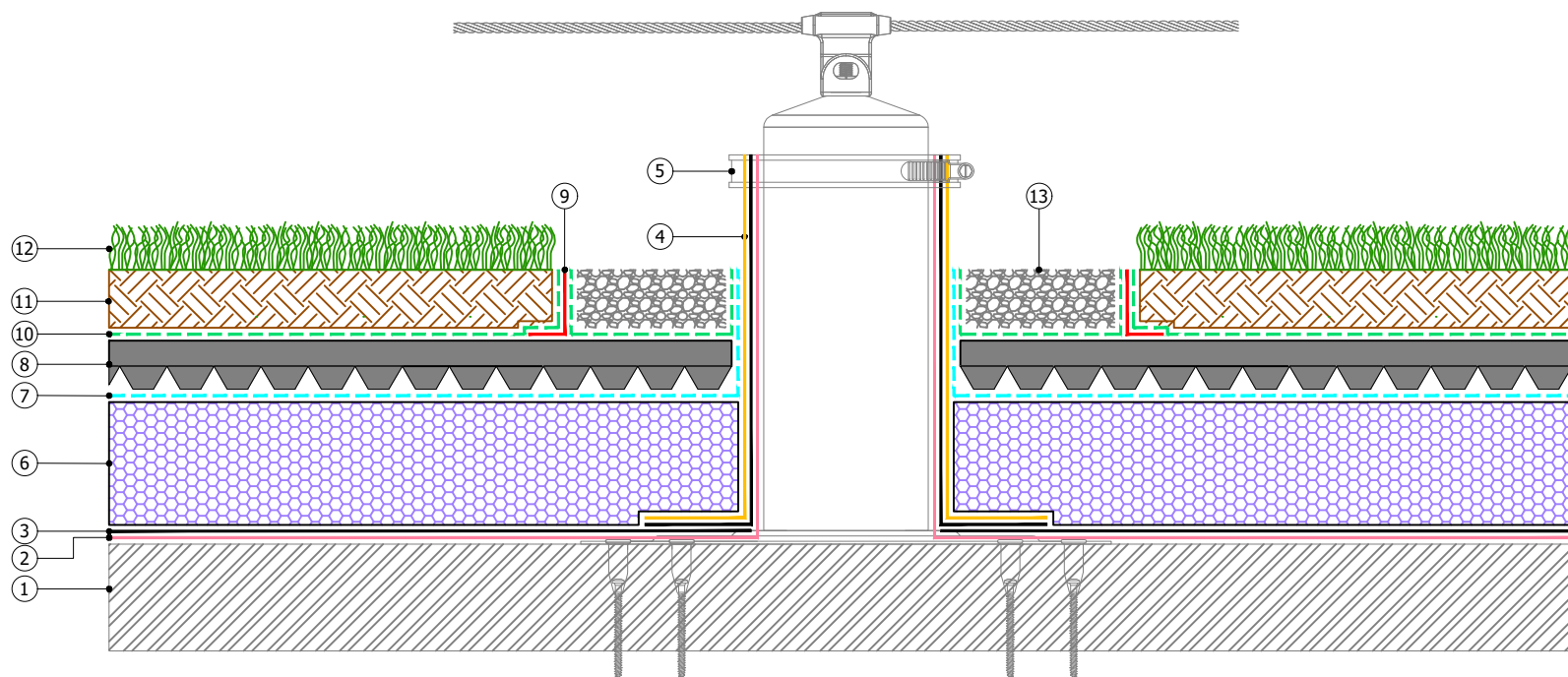
18/06/2025

Proteus Hot Melt®



Proteus
WATERPROOFING

- ①  Substrate
- ②  **Pro-Prime® Bitumen**
- ③  **Proteus Hot-Melt®** (compound + reinforcement + capsheet)
- ④  **Proteus Pro-Felt® Ultima Plus Capsheet** (on all exposed areas)
- ⑤  Jubilee Clip (by others)
- ⑥  **Proteus Pro-Therm Insulation** (as per specification)
- ⑦  **Proteus Pro-Therm Low-K** (separation layer)
- ⑧  **Pro-Living® Drainage Board**
- ⑨  **Pro-Living® Drainage Trim**
- ⑩  **Pro-Living® Filter Fleece**
- ⑪  **Pro-Living® Substrate** (min. 80mm settled depth)
- ⑫  **Pro-Living® Vegetation**
- ⑬  **Gravel ballast** (2000/553/EC compliant)



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Drawing No.: SD_HM_INVERTED_27		Roof Type: Inverted
Description: Fall Arrest System		
Scale: NTS	Drawn: W.Harding	Date: 18/06/2025

Proteus Hot Melt®

