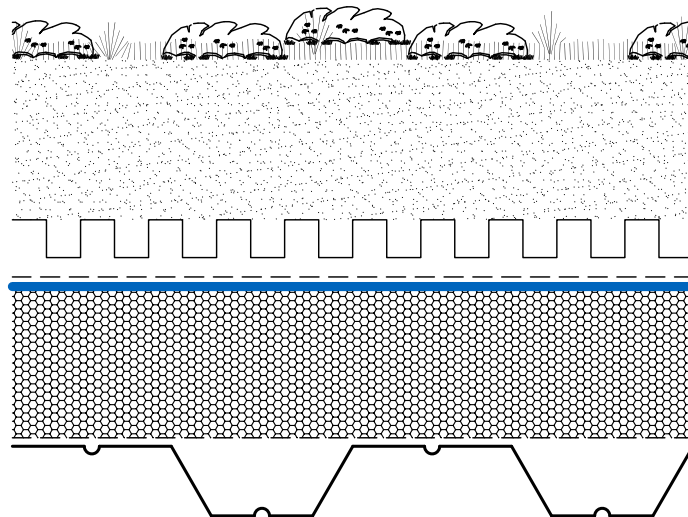




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160201

Growing medium (supplied by others)
- minimum dry weight of 80kg/m²
Drainage layer (supplied by others)
Protan protection layer(s)
- Protan F300M (300g/m²) polypropylene fleece for 15-year guarantee
- Protan AM membrane and Protan F300M (300g/m²) polypropylene fleece for 20-year guarantee
Protan G 1.5mm membrane
Foil-faced PIR insulation
Polyethylene vapour control layer
Roof deck (drawn indicatively)



GRE.W.001
PROTAN GREEN ROOF SYSTEM
Warm roof construction

Protan (UK) Ltd
256 Europa Boulevard
Gemini Business Park
Warrington
WA5 7TN

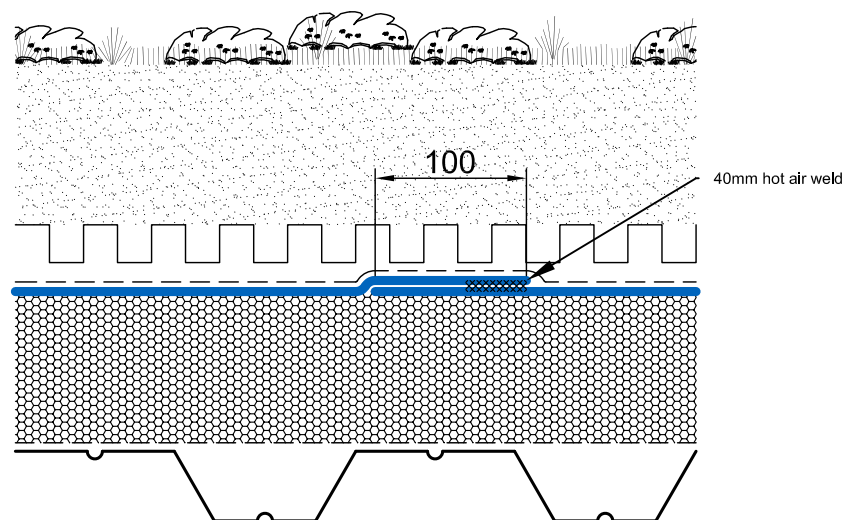
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technical@protan.co.uk
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1:5 @ A4

160201

Growing medium (supplied by others)
- minimum dry weight of 80kg/m²
Drainage layer (supplied by others)
Protan protection layer(s)
- Protan F300M (300g/m²) polypropylene fleece for 15-year guarantee
- Protan AM membrane and Protan F300M (300g/m²) polypropylene fleece for 20-year guarantee
Protan G 1.5mm membrane
Foil-faced PIR insulation
Polyethylene vapour control layer
Roof deck (drawn indicatively)



GRE.EL.W.001
PROTAN GREEN ROOF SYSTEM
End Lap Detail 1
Warm roof construction

Protan (UK) Ltd
256 Europa Boulevard
Gemini Business Park
Warrington
WA5 7TN

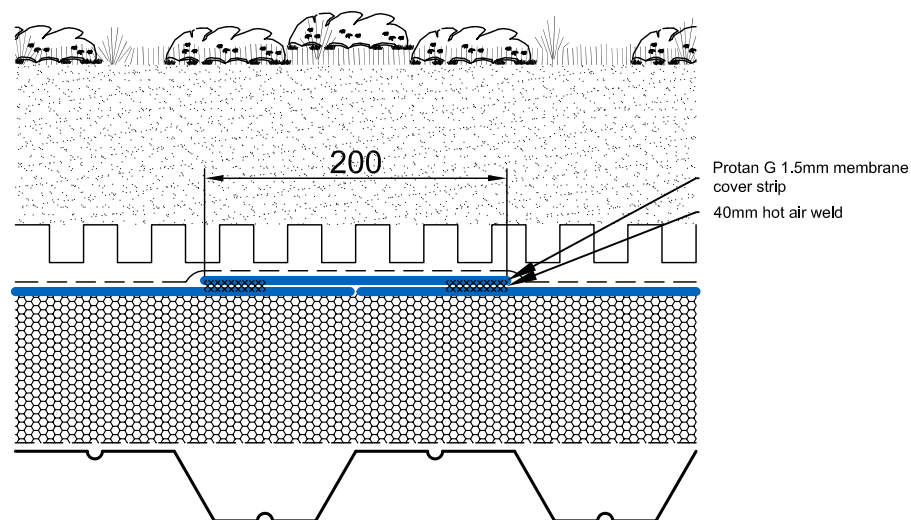
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1:5 @ A4

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Growing medium (supplied by others)
- minimum dry weight of 80kg/m²
Drainage layer (supplied by others)
Protan protection layer(s)
- Protan F300M (300g/m²) polypropylene fleece for 15-year guarantee
- Protan AM membrane and Protan F300M (300g/m²) polypropylene fleece for 20-year guarantee
Prefabricated Protan G 1.5mm membrane
Foil-faced PIR insulation
Polyethylene vapour control layer
Roof deck (drawn indicatively)



GRE.EL.W.002
PROTAN PREFABRICATED GREEN ROOF SYSTEM
End Lap Detail 2
Warm roof construction

Protan (UK) Ltd
256 Europa Boulevard
Gemini Business Park
Warrington
WA5 7TN

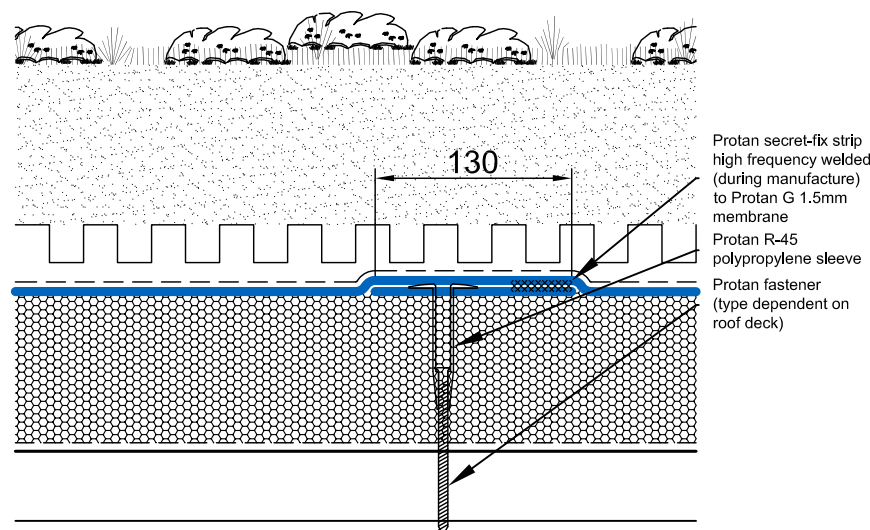
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Growing medium (supplied by others)
Drainage layer (supplied by others)
Protan protection layer(s)
- Protan F300M (300g/m²) polypropylene fleece for 15-year guarantee
- Protan AM membrane and Protan F300M (300g/m²) polypropylene fleece for 20-year guarantee
Prefabricated Protan G 1.5mm membrane
Foil-faced PIR insulation
Polyethylene vapour control layer
Roof deck (drawn indicatively)

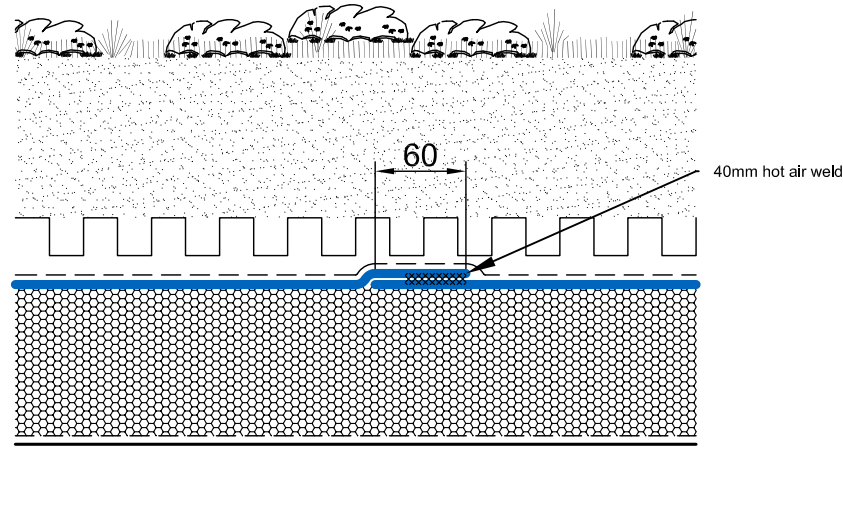


GRE.SF.W.001
PROTAN PREFABRICATED GREEN ROOF SYSTEM
Secret Fix Detail
Warm roof construction

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Growing medium (supplied by others)
 - minimum dry weight of 80kg/m²
 Drainage layer (supplied by others)
 Protan protection layer(s)
 - Protan F300M (300g/m²) polypropylene fleece for 15-year guarantee
 - Protan AM membrane and Protan F300M (300g/m²) polypropylene fleece for 20-year guarantee
 Protan G 1.5mm membrane
 Foil-faced PIR insulation
 Polyethylene vapour control layer
 Roof deck (drawn indicatively)



GRE.SL.W.001
 PROTAN GREEN ROOF SYSTEM
 Side Lap Detail
 Warm roof construction



1:5 @ A4

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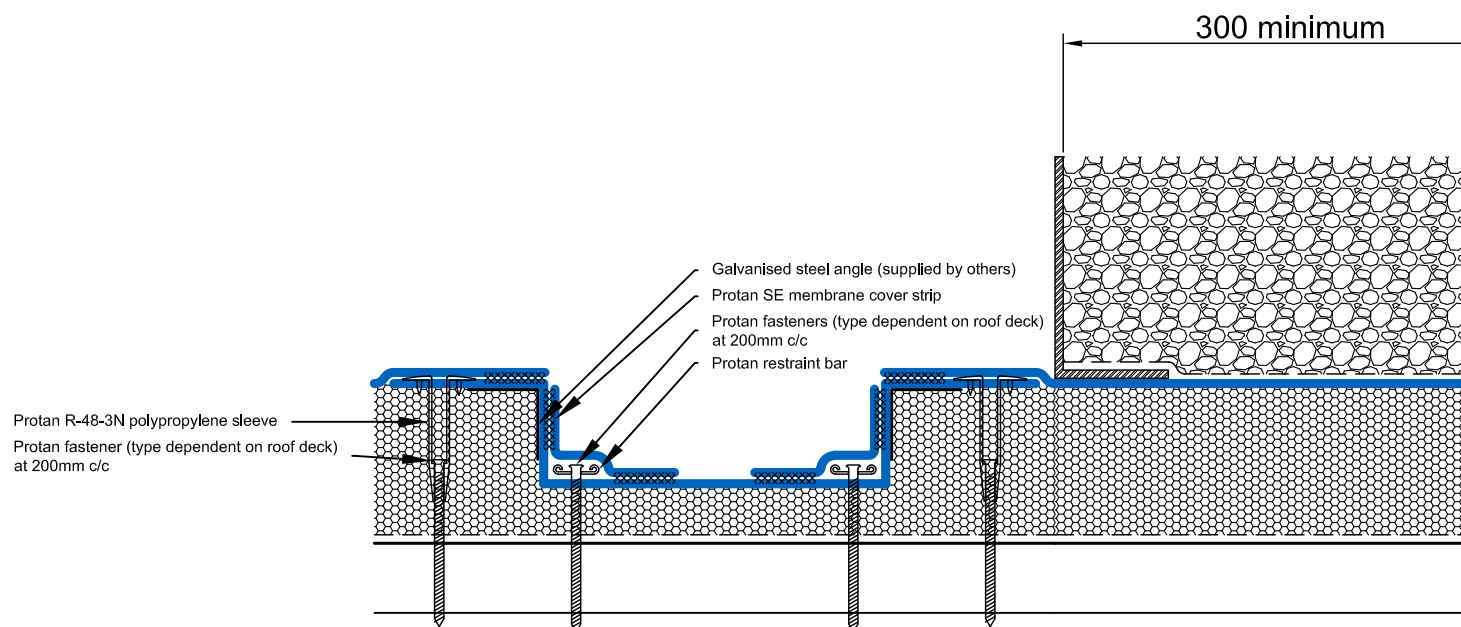
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BG.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Box Gutter Detail
Warm roof construction

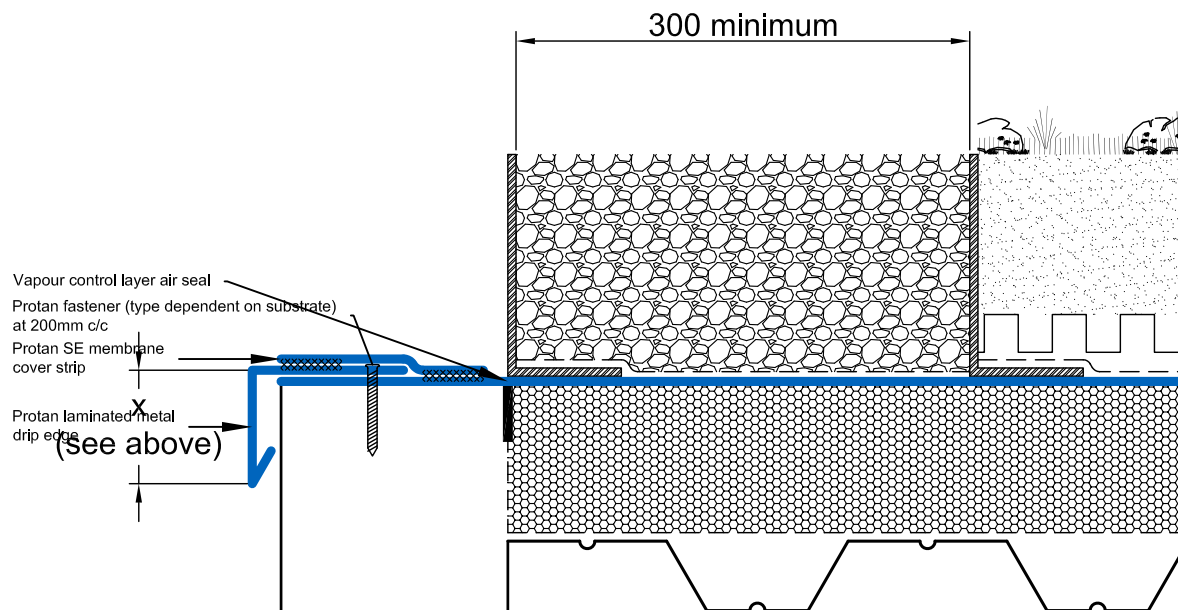
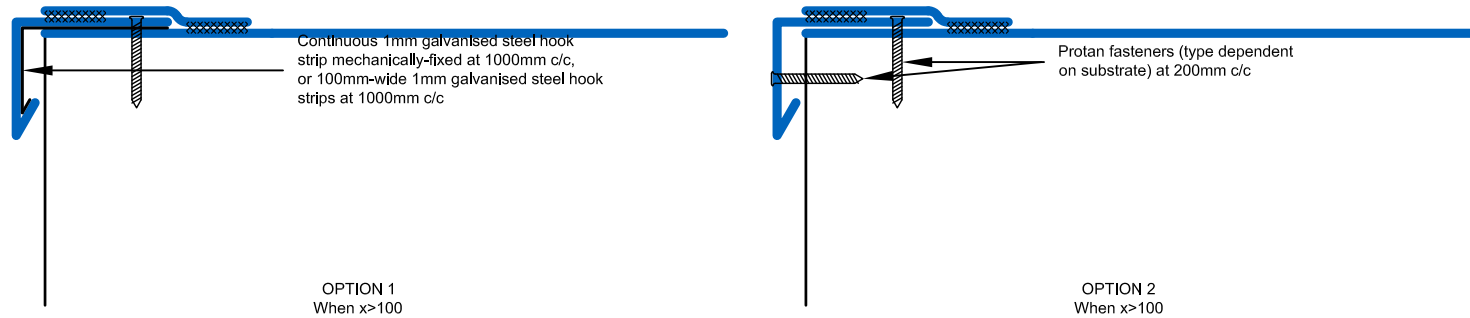
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DE.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Drip Edge Detail
Warm roof construction

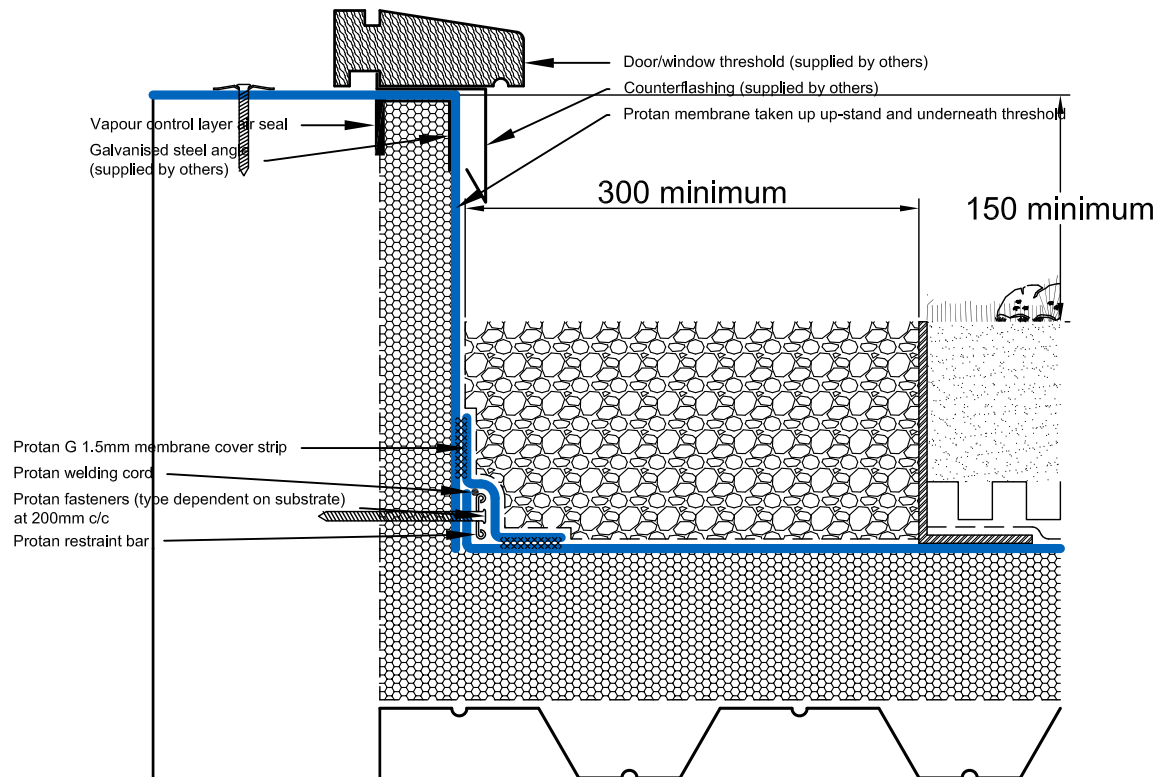
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DWT.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Door/Window Threshold Detail
Warm roof construction

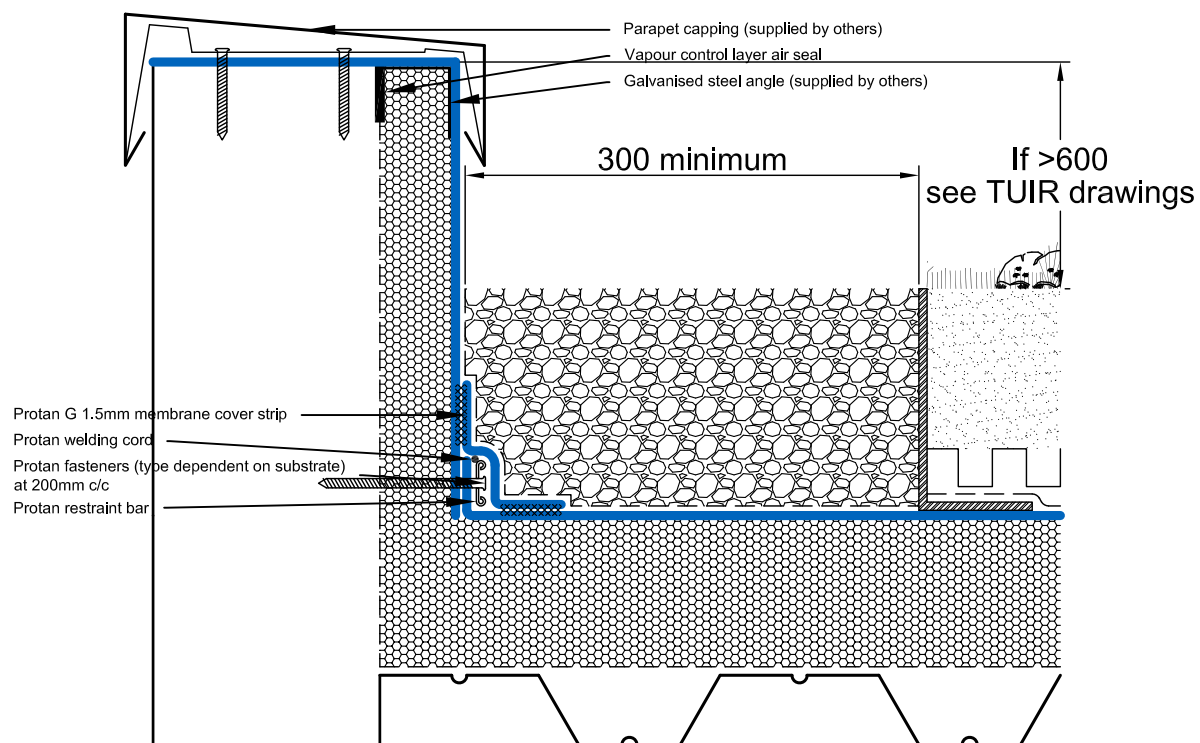
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PC.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Parapet Capping Detail 1
Warm roof construction

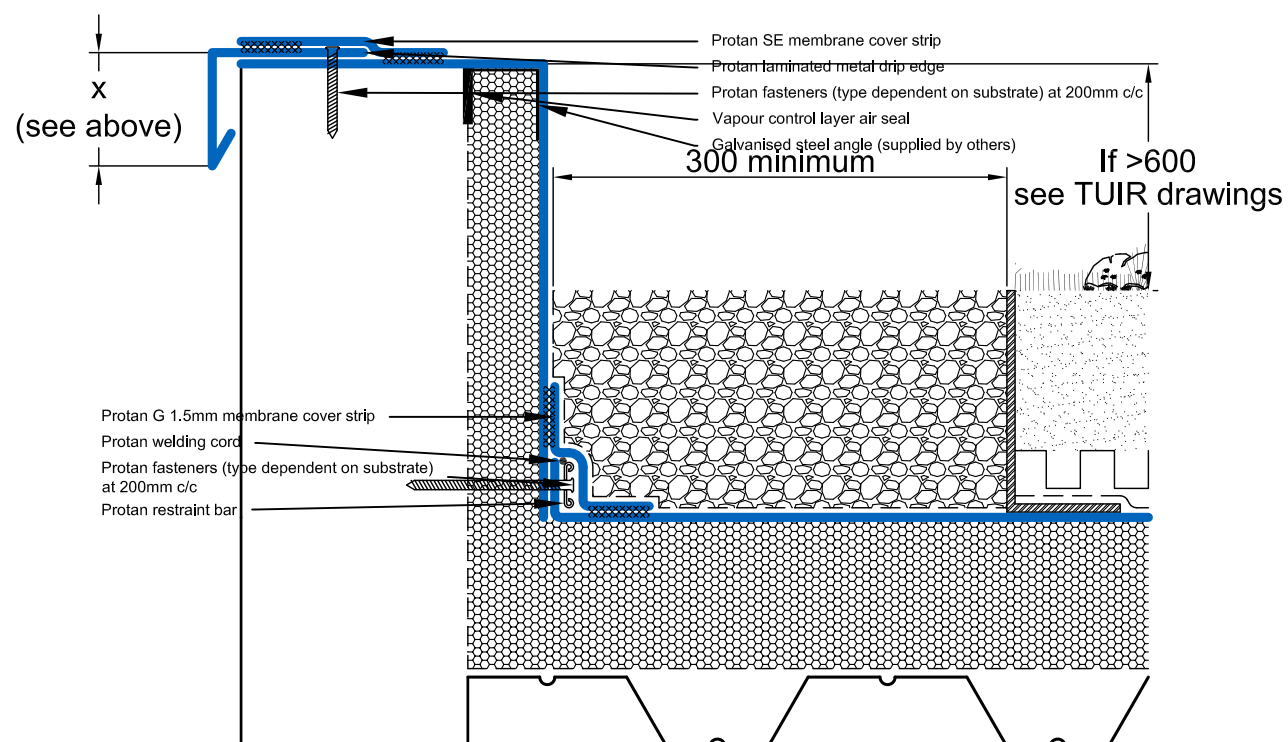
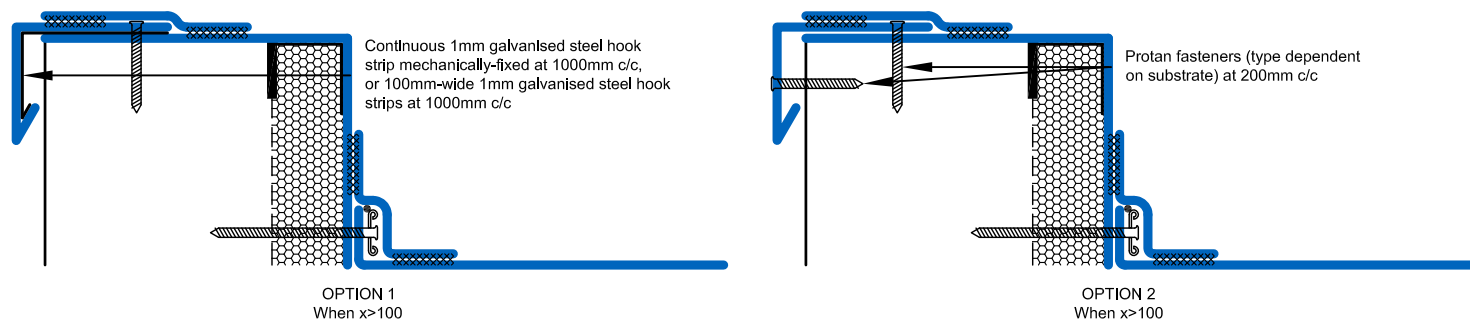
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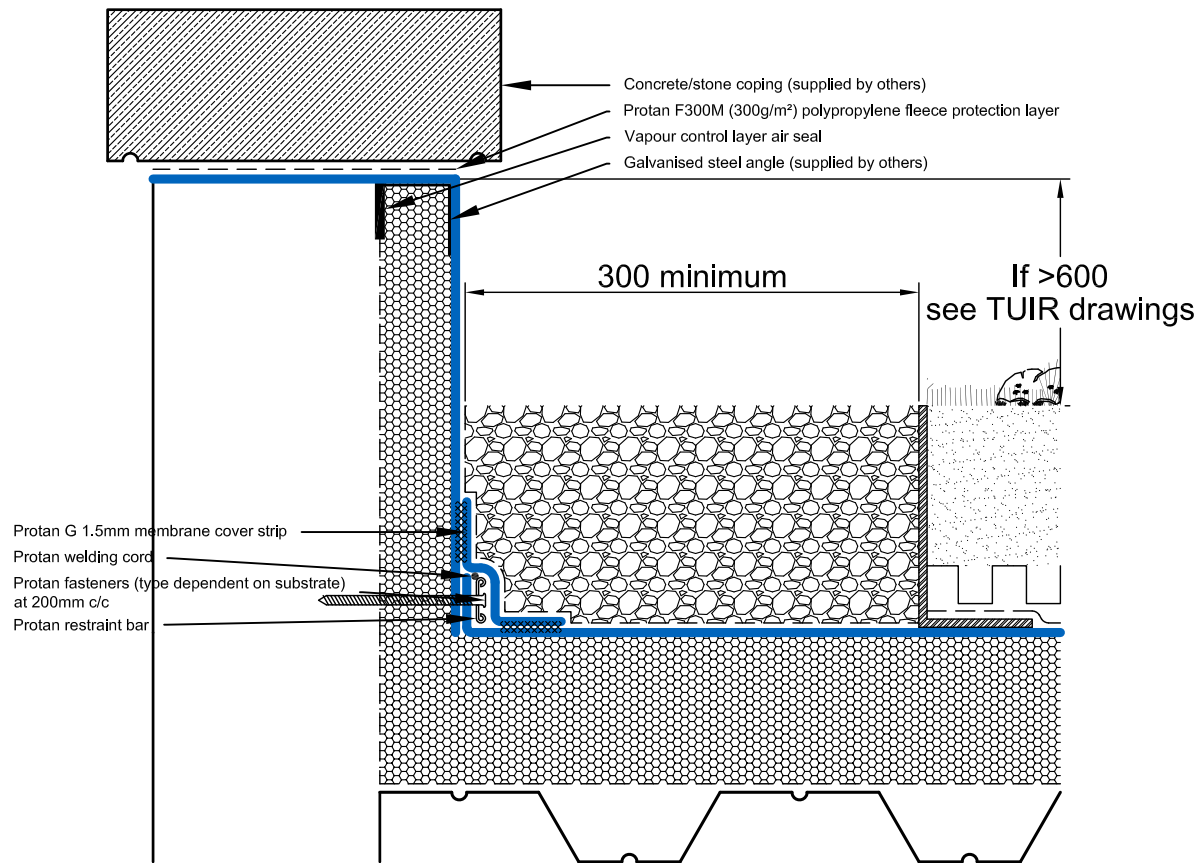
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PC.GRE.W.002
 PROTAN GREEN ROOF SYSTEM
 Parapet Capping Detail 2
 Warm roof construction

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PC.GRE.W.003
PROTAN GREEN ROOF SYSTEM
 Parapet Capping Detail 3
 Warm roof construction



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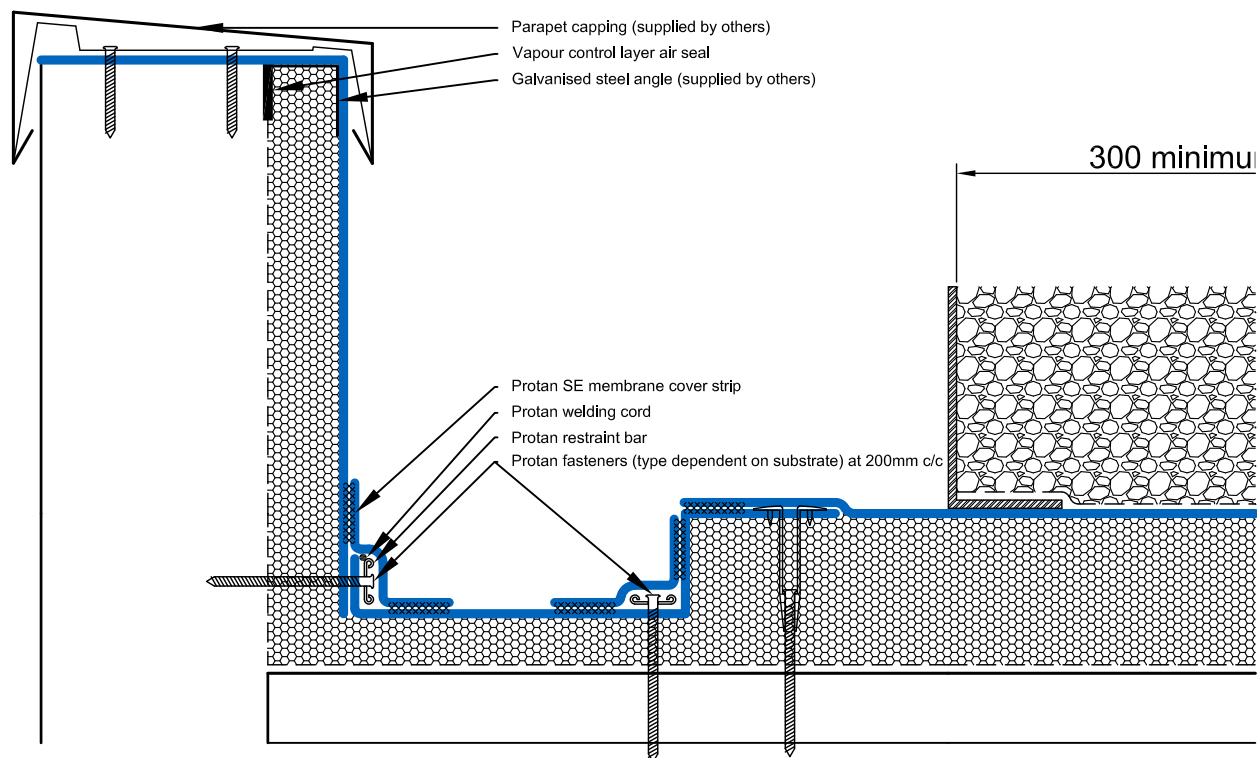
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PG.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Perimeter Gutter Detail
Warm roof construction

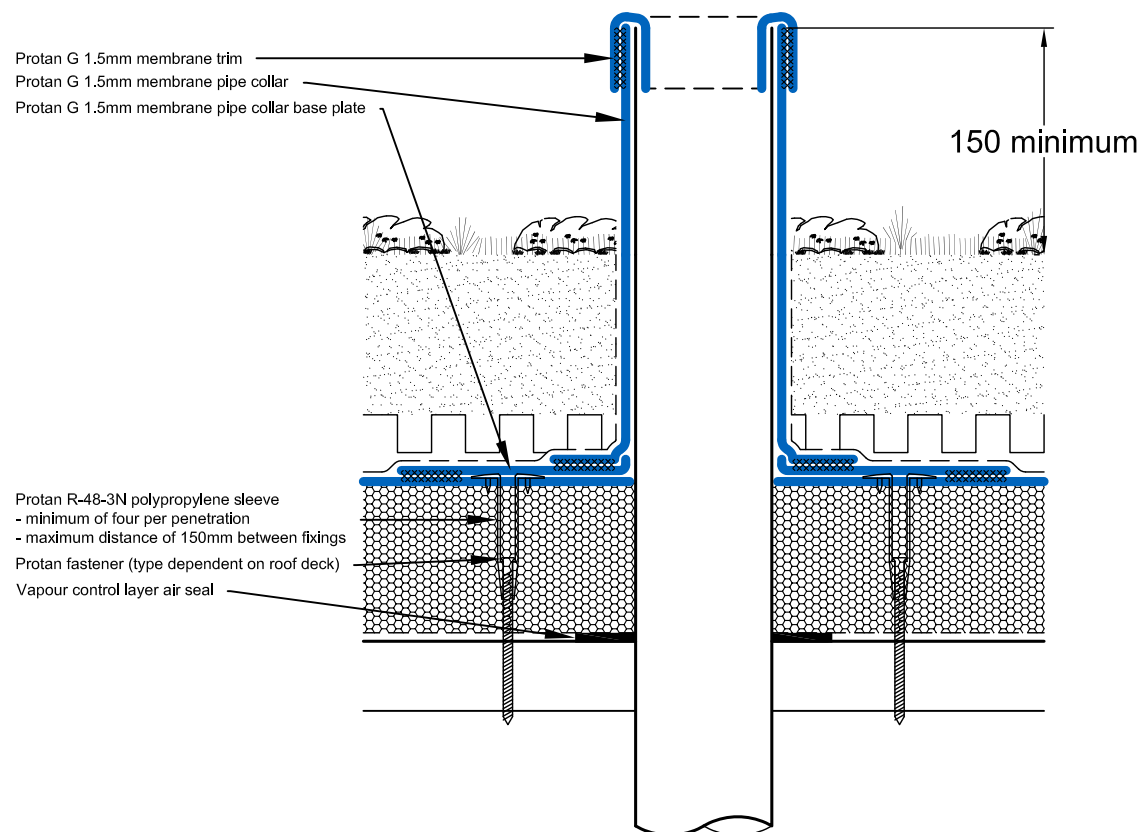
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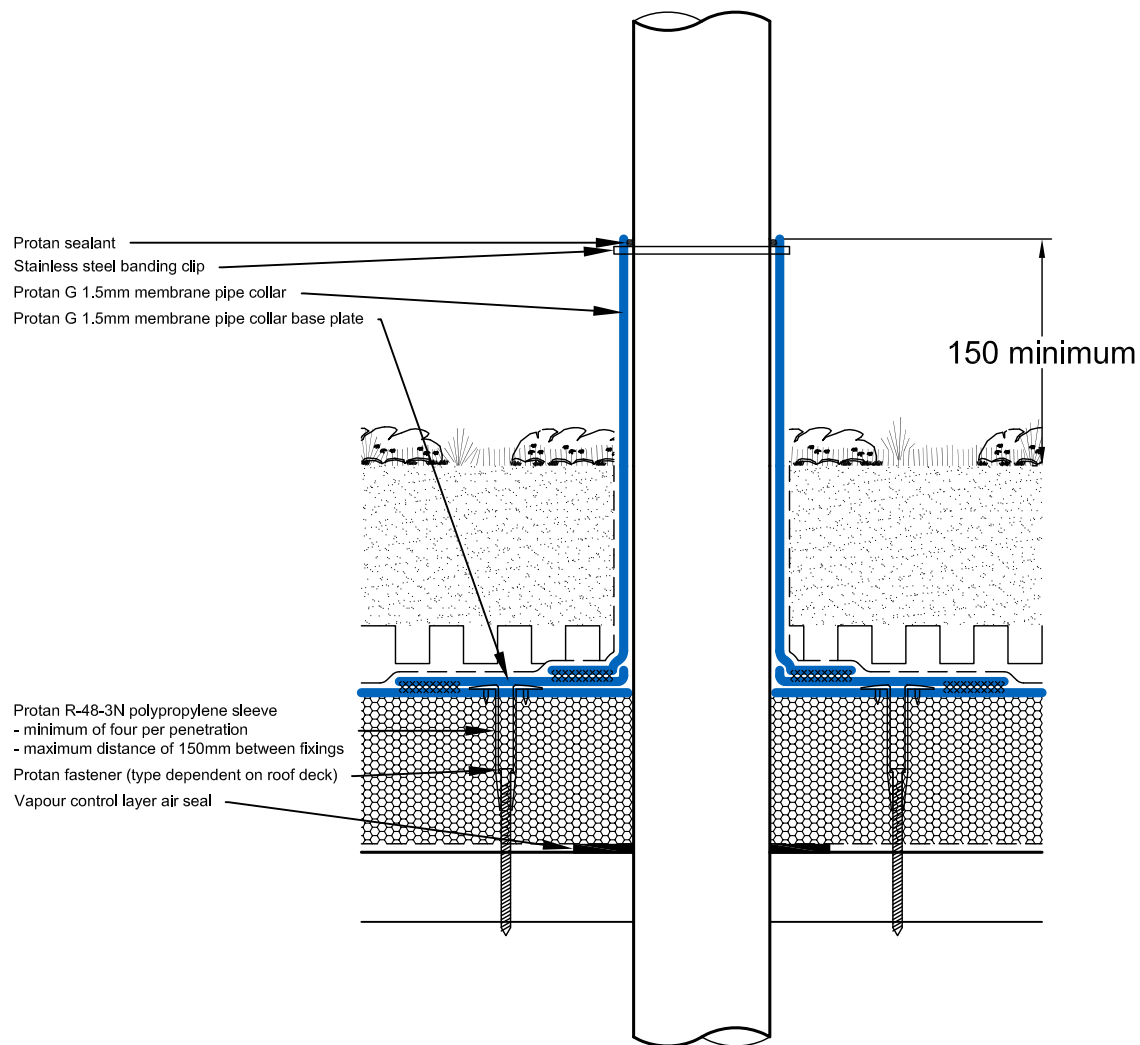
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PP.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Pipe Penetration Detail (Closed)
Warm roof construction

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PP.GRE.W.002
 PROTAN GREEN ROOF SYSTEM
 Pipe Penetration Detail (Continuous)
 Warm roof construction



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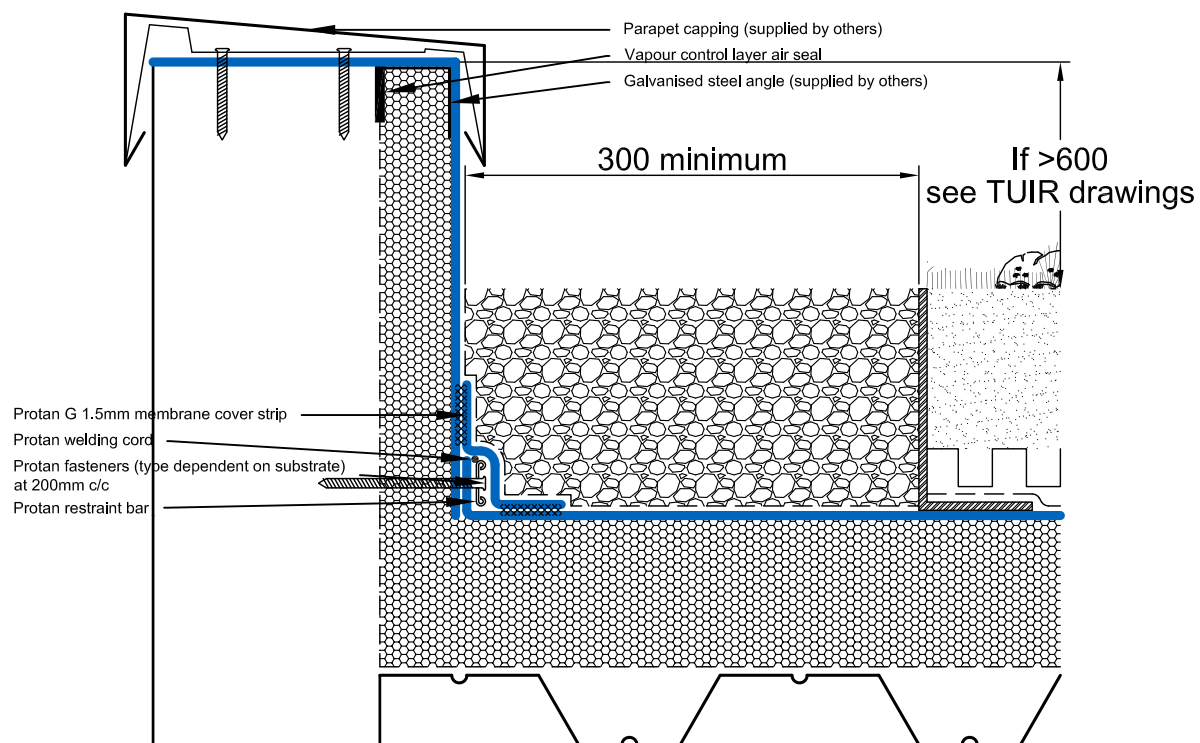
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PR.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Perimeter Restraint into Up-stand Detail
Warm roof construction

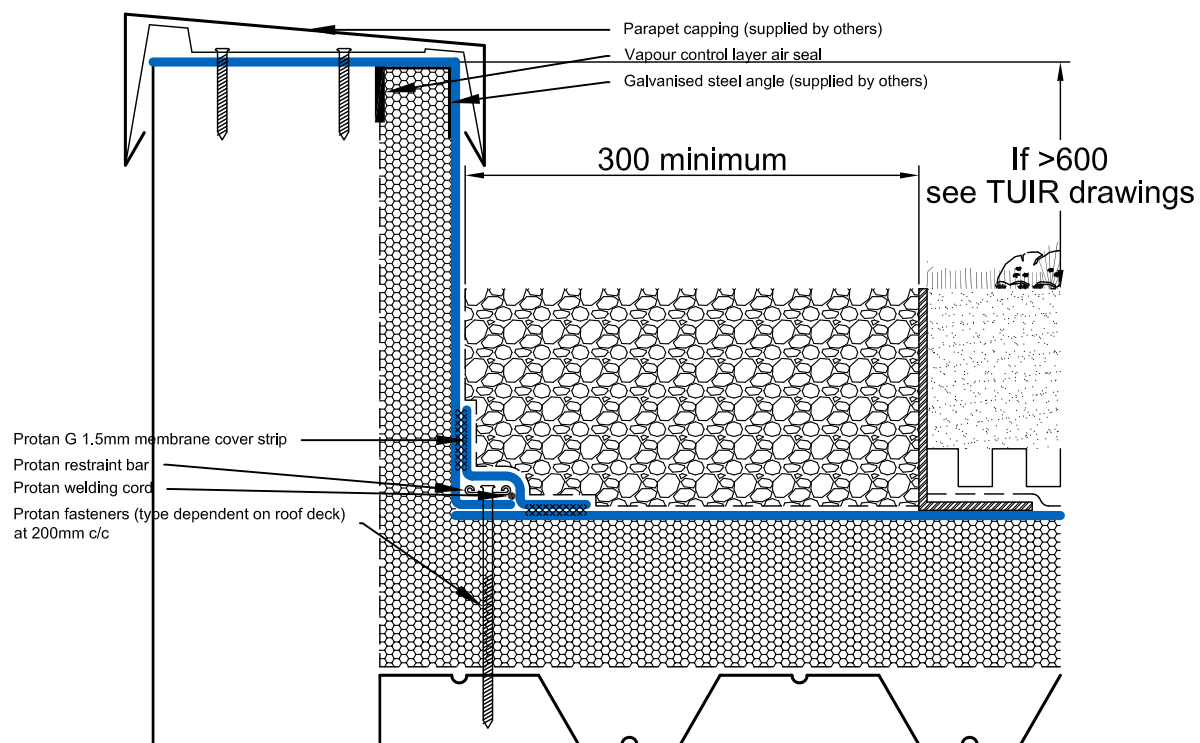
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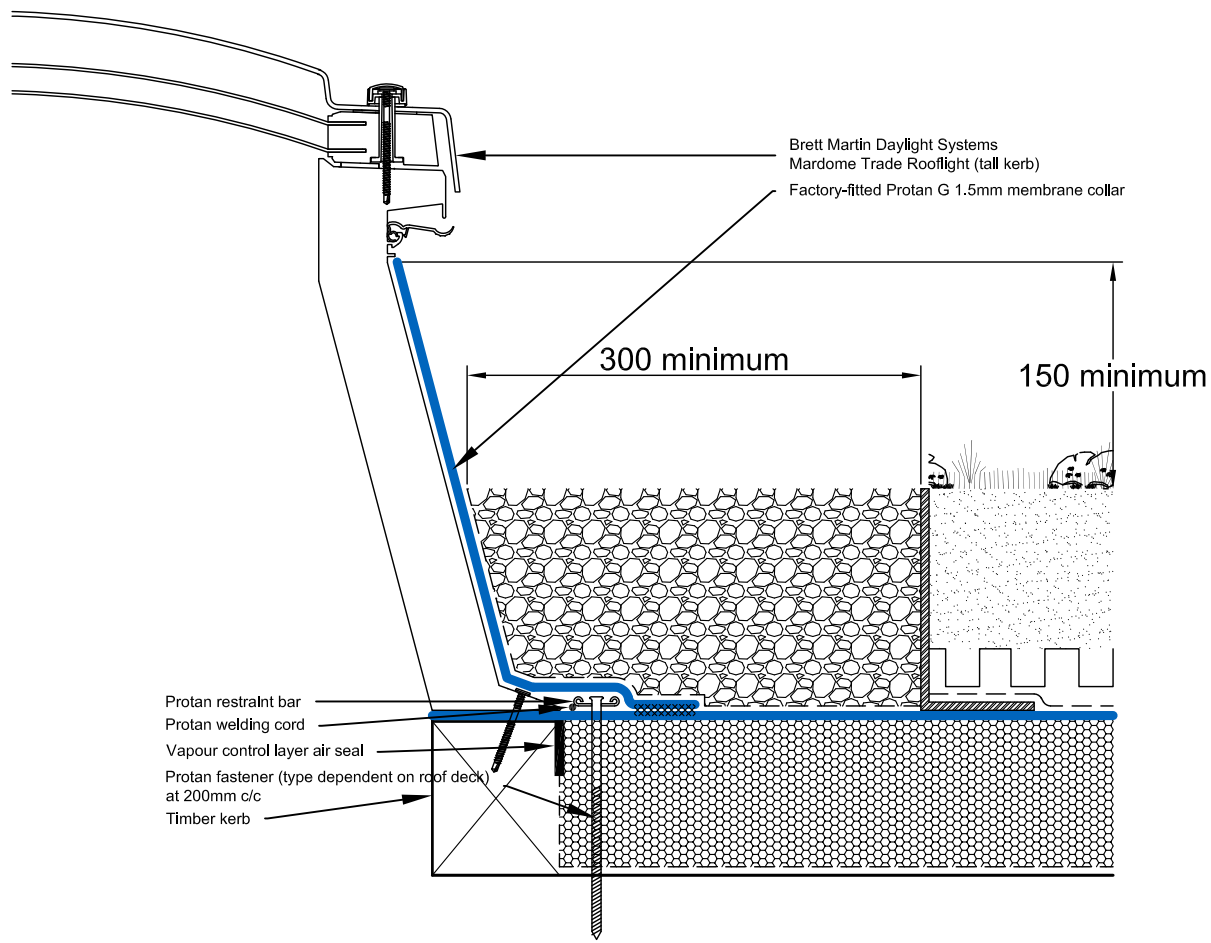
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PR.GRE.W.002
PROTAN GREEN ROOF SYSTEM
Perimeter Restraint into Roof Deck Detail
Warm roof construction

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RL.GRE.W.001
PROTAN GREEN ROOF SYSTEM
 Rooflight Detail
 Warm roof construction



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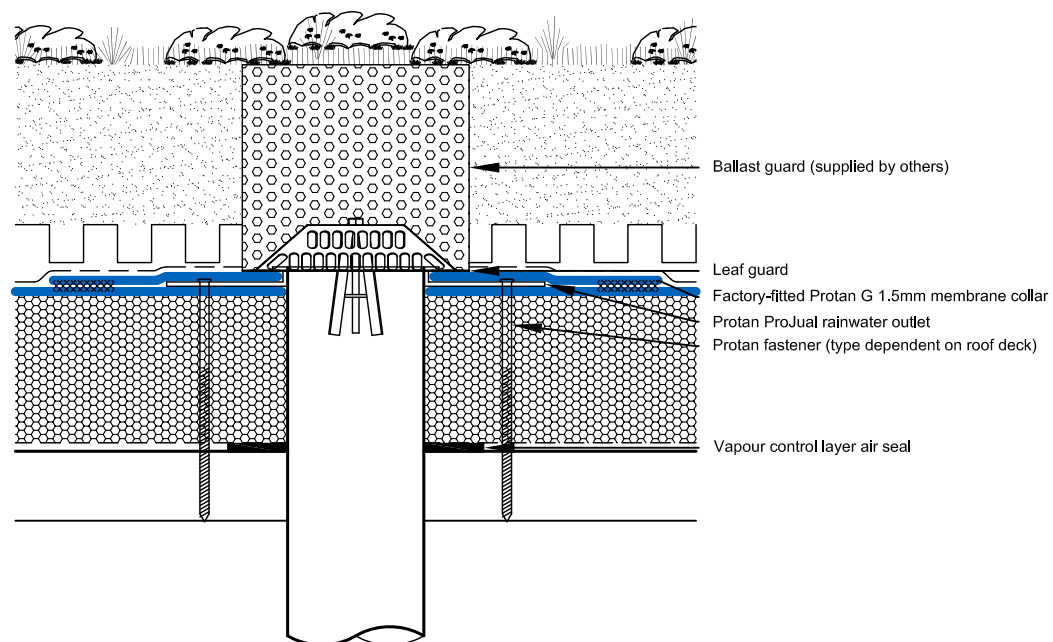
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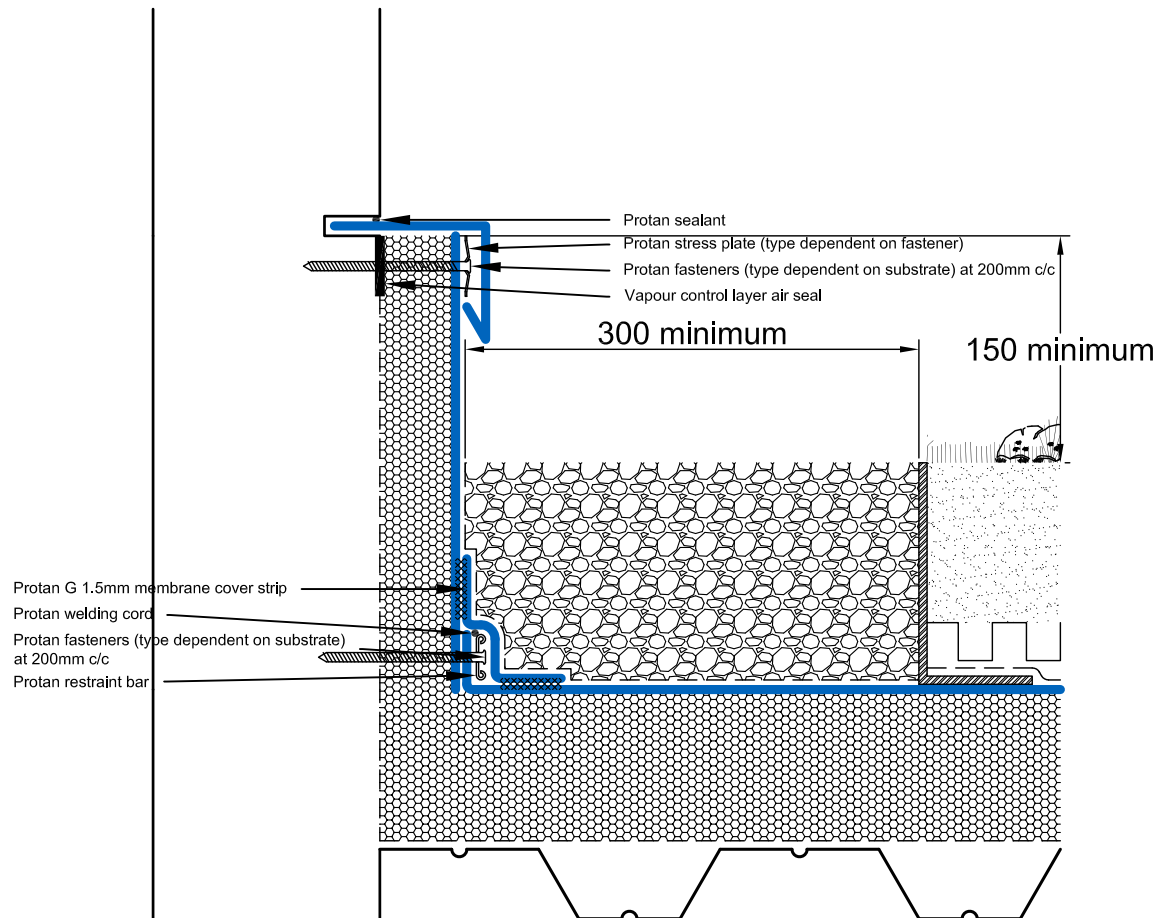
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RO.GRE.W.001
PROTAN GREEN ROOF SYSTEM
Rainwater Outlet Detail
Warm roof construction

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WF.GRE.W.001
 PROTAN GREEN ROOF SYSTEM
 Wall Flashing Detail 1
 Warm roof construction



1:5 @ A4

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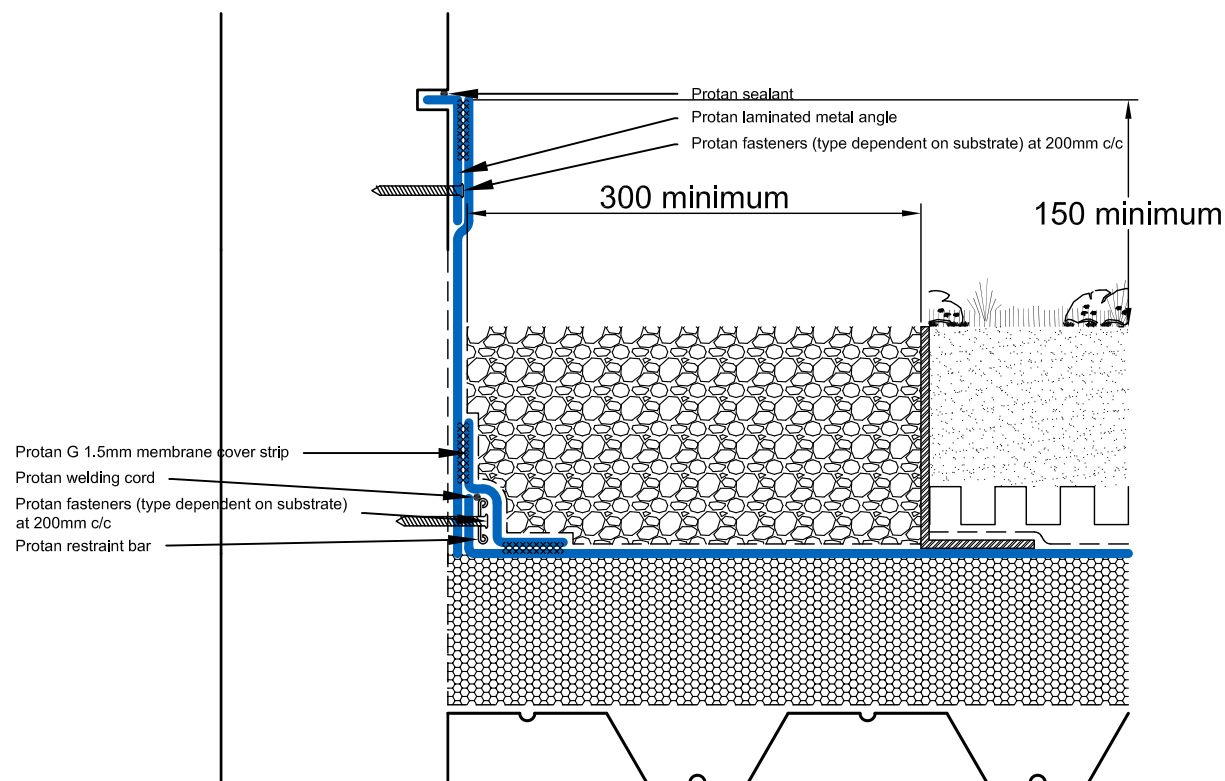
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WF.GRE.W.002
PROTAN GREEN ROOF SYSTEM
Wall Flashing Detail 2
Warm roof construction

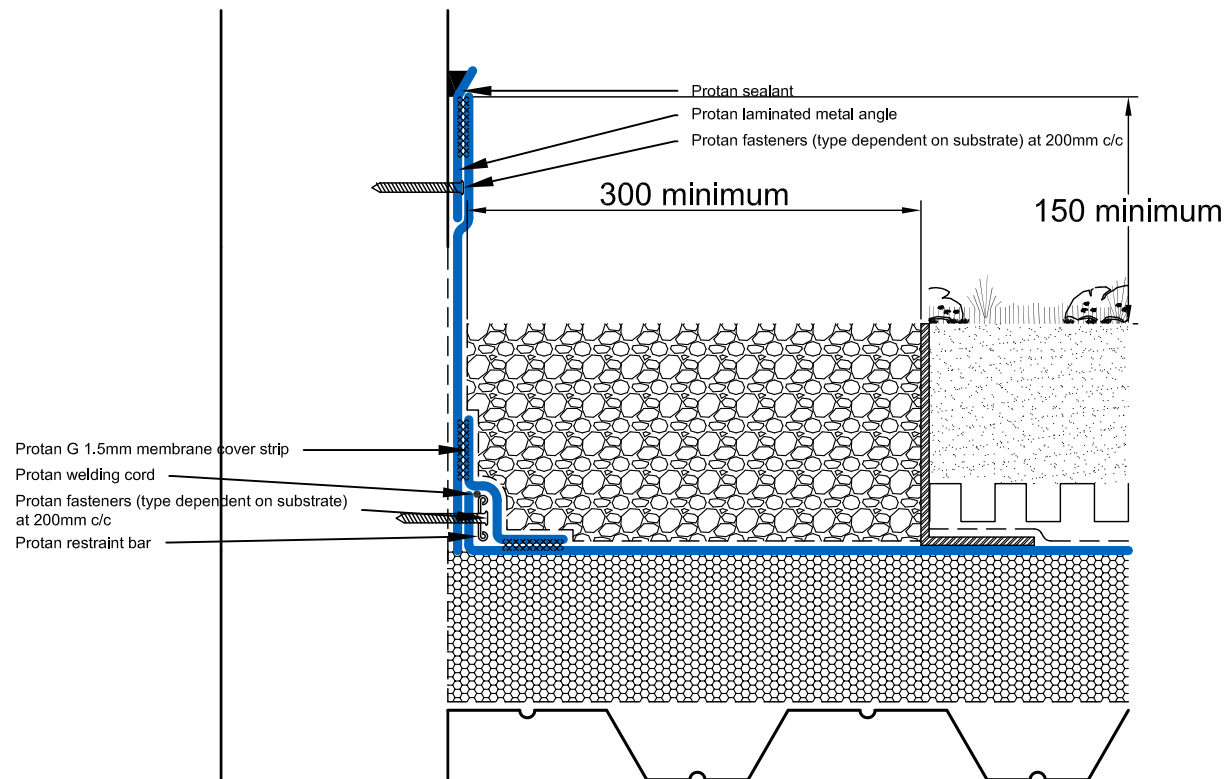
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WF.GRE.W.003
PROTAN GREEN ROOF SYSTEM
Wall Flashing Detail 3
Warm roof construction

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