



Protan Roof Renovation

Technical Drawings



Protecting values





# Protan Roof Renovation

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# Separation layers for Protan PVC membranes

A separation layer/barrier between the roofing membrane and its underlying deck, is sometimes necessary to protect the roofing material from chemical and/or mechanical influences.

The separation layer must be functional under all conditions that the roofing membrane might experience during its entire lifetime.

- Migration barriers are installed between two layers to avoid chemical interaction between them.
- Sliding layers are installed between two layers to prevent friction between them.
- Levelling layers are installed between two layers mainly for aesthetic reasons.
- Protection layers are installed on top of the membrane mainly to protect it from mechanical stress etc.  
(Protan recommends a layer of PVC 1,2-2,0mm, alternatively a very thick polypropylene fleece > 300g/m<sup>2</sup>.)

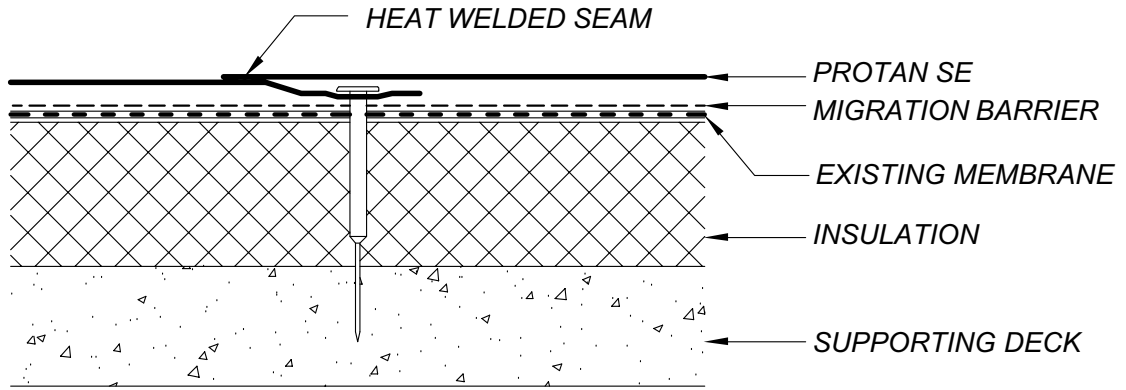
Table: Separation layers for Protan PVC

Underlying deck	Protan PVC-membrane	
Old bitumen roofs	<p><b>Protan EX</b> Protan EX has a 140 g/m<sup>2</sup> polypropylene fleece migration barrier laminated on the reverse side</p>	<p><b>Protan SE</b> Protan SE requires a separate migration barrier installed on top of the bitumen surface to avoid migration. Protan recommends: Fibertex F2B, 140g/m<sup>2</sup> polypropylene, supplied by Protan AS</p>
EPS/XPS-insulation	<p><b>Protan EXG</b> Protan EXG has a 60g/m<sup>2</sup> glass fleece migration barrier laminated on the reverse side</p>	<p><b>Protan SE</b> Protan SE requires a separate migration barrier installed on top of the bitumen surface to avoid migration. Protan recommends: Glass fleece 50g/m<sup>2</sup> supplied by Protan AS</p>
Bases of smooth concrete or light weight concrete	<p><b>Protan SE</b> Protan SE requires a sliding/levelling layer installed on top of the concrete deck. Protan recommends: Fibertex F4M 300 g/m<sup>2</sup> PP, supplied by Protan AS. Note! Polyester felt must not be used on concrete!</p>	
Timber decks	As for old bitumen roofs	
Rubber, such as underlying blocks, mats, packing etc.	As for old bitumen roofs	
Old mechanically fastened polymeric membrane	<p>As for old bitumen roofs (140g/m<sup>2</sup> polypropylene fleece/geo-textile). Existing membrane to be slit at perimeters, change of angle, fixing lines etc to alleviate any stress/tension transfer to new fasteners and to assist in the drying out of any trapped moisture</p>	
Old gravel ballasted polymeric membrane	<p>Where possible the existing membrane should be removed, if this is not feasible, the existing membrane should be slit at perimeters, change of angle, fixing points etc to alleviate any stress/tension transfer to new fasteners and to assist in the drying out of any trapped moisture</p>	
Lubricated roofs	Lubricated roofs should be evaluated, please contact Protan Technical Services	

Please contact Protan for a list of other tested and approved products for the use as separation layers.

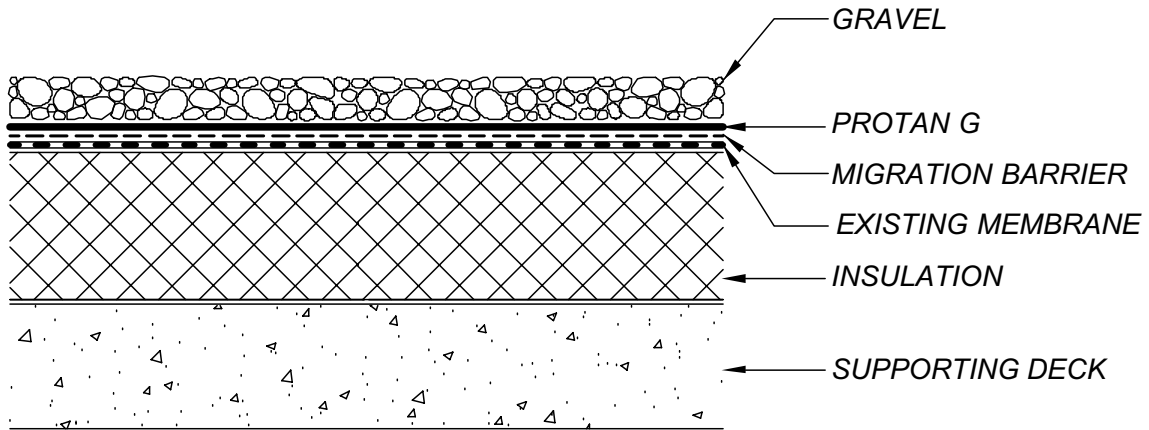
# Renovation of an exposed warm roof

*Drawing No.:* 70-10-01  
*Version No.:* 01-2004  
*Not to scale*



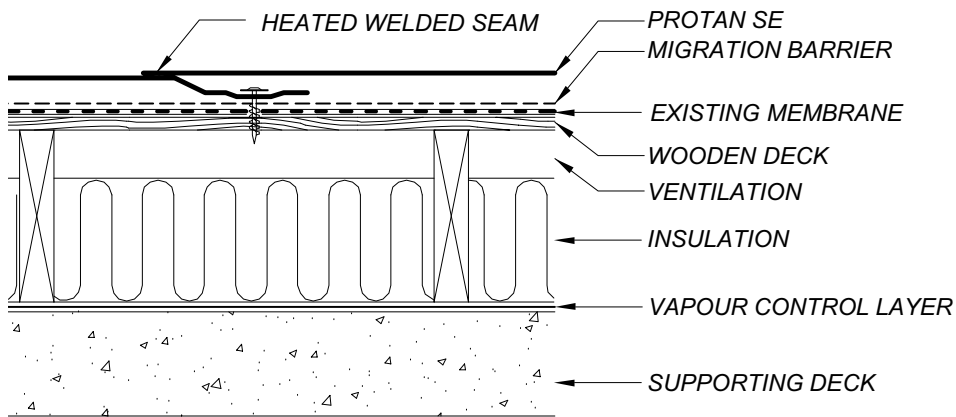
# Renovation of a gravel ballasted roof

*Drawing No.:* 70-15-01  
*Version No.:* 02-2008  
*Not to scale*



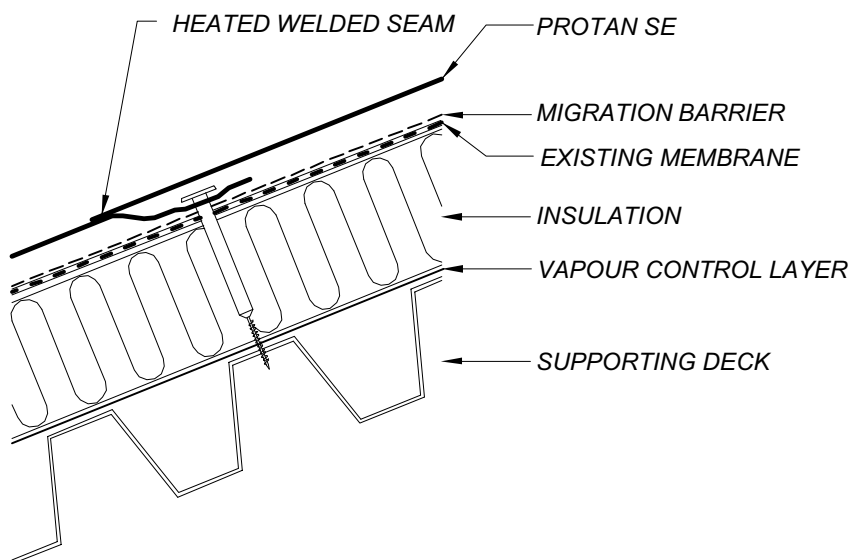
# Renovation of an exposed roof - ventilated wooden deck

Drawing No.: 70-10-02  
Version No.: 02-2008  
Not to scale



# Renovation of a sloped warm roof

Drawing No.: 70-10-03  
Version No.: 02-2008  
Not to scale

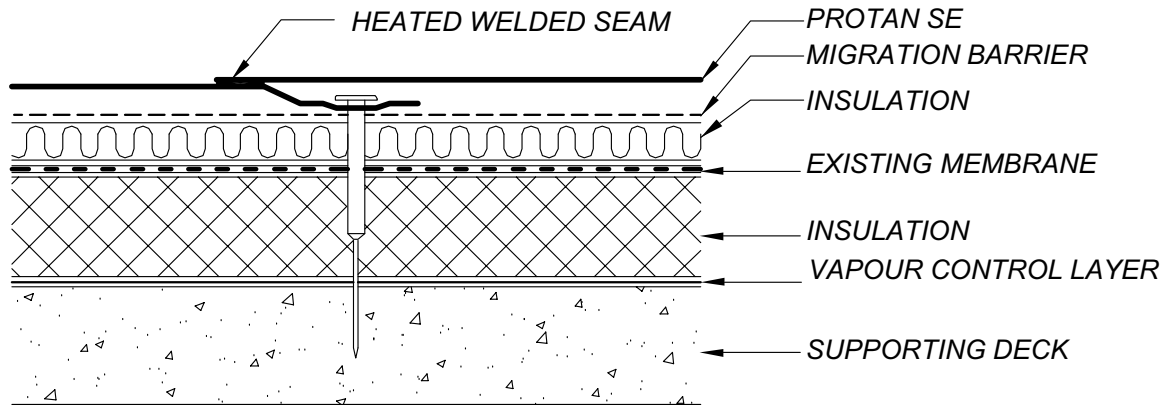


# Renovation of an exposed warm roof with additional insulation

*Drawing No.:* 70-10-04

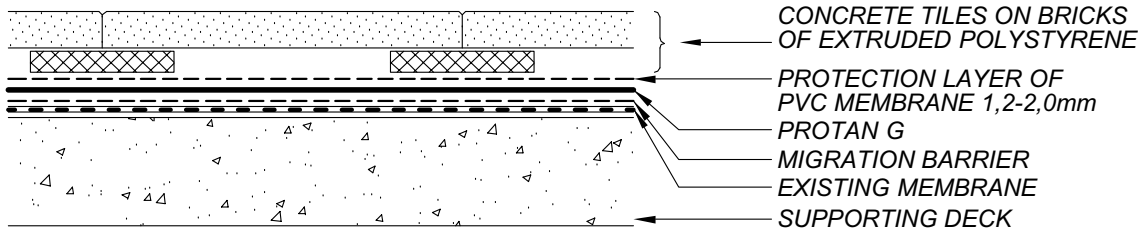
*Version No.:* 02-2008

*Not to scale*



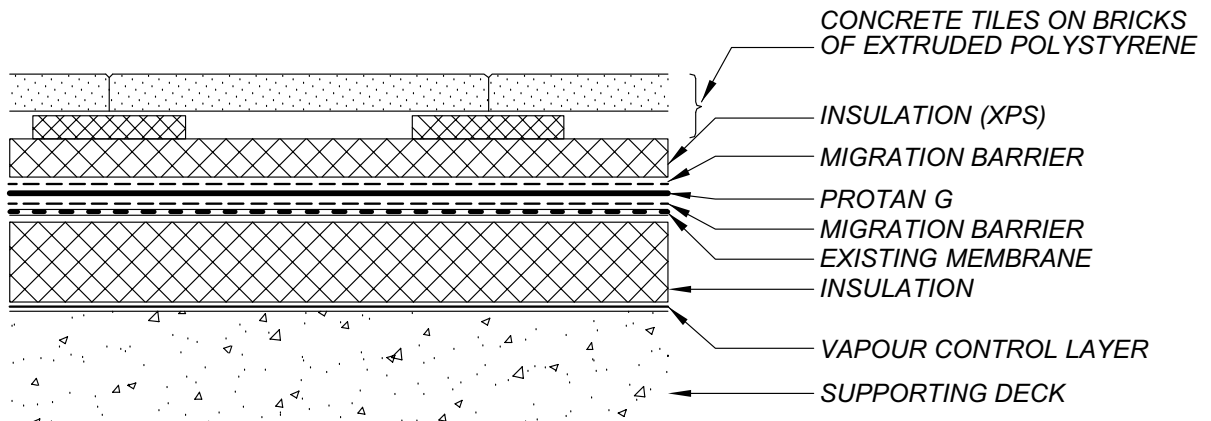
# Renovation of a pedestrian deck

Drawing No.: 70-20-01  
Version No.: 02-2008  
Not to scale



# Renovation of a pedestrian deck – duo-construction

Drawing No.: 70-20-02  
Version No.: 02-2008  
Not to scale

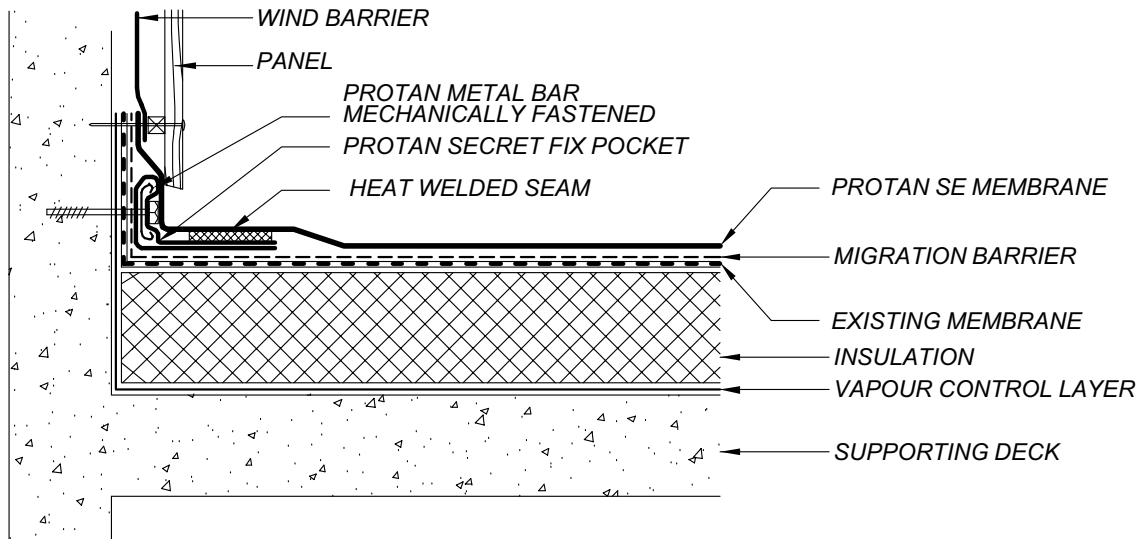


# Upstand termination behind cladding detail

Drawing No.: 70-25-01

Version No.: 01-2004

Not to scale

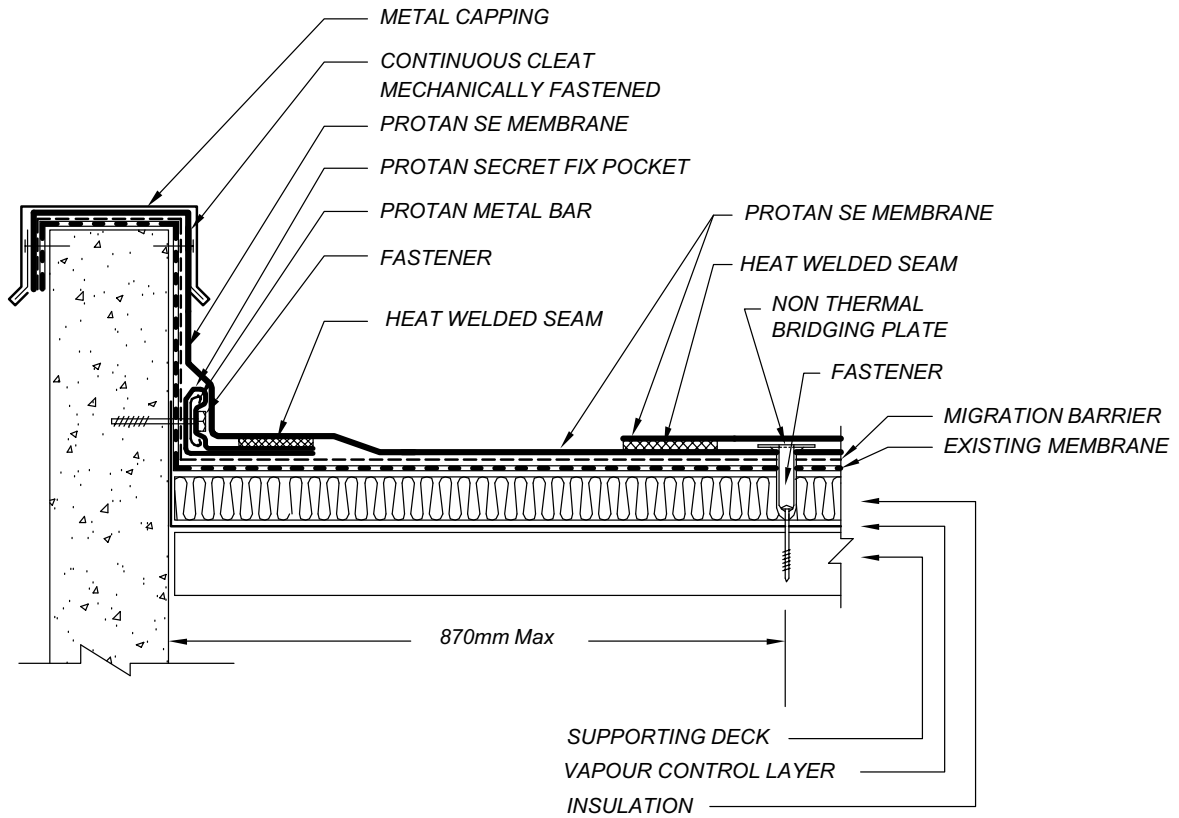


# Parapet with secret fix pocket + low wall termination detail

Drawing No.: 70-25-02

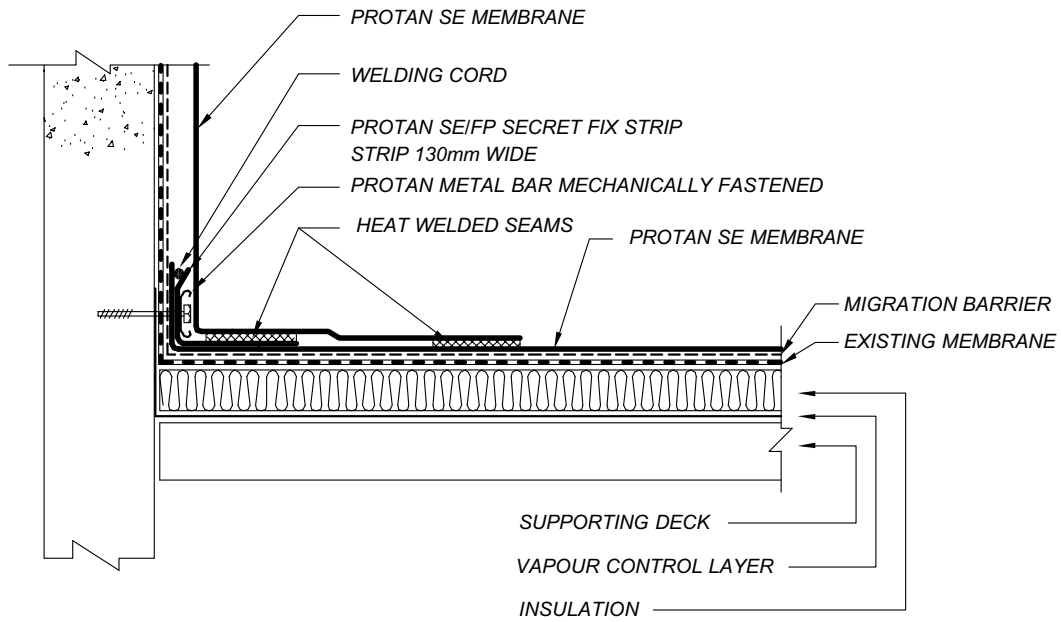
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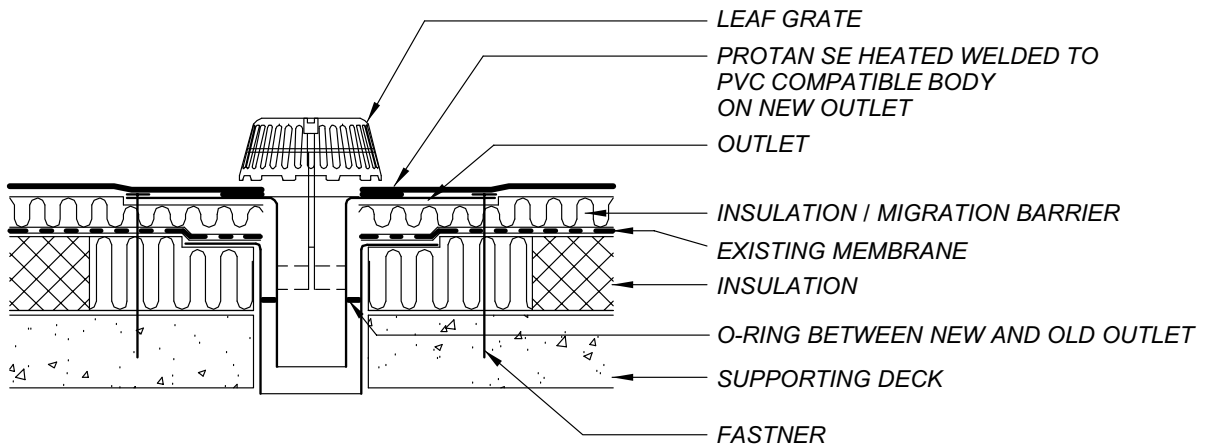
# Parapet detail with secret fix strip

Drawing No.: 70-25-03  
Version No.: 02-2008  
Not to scale



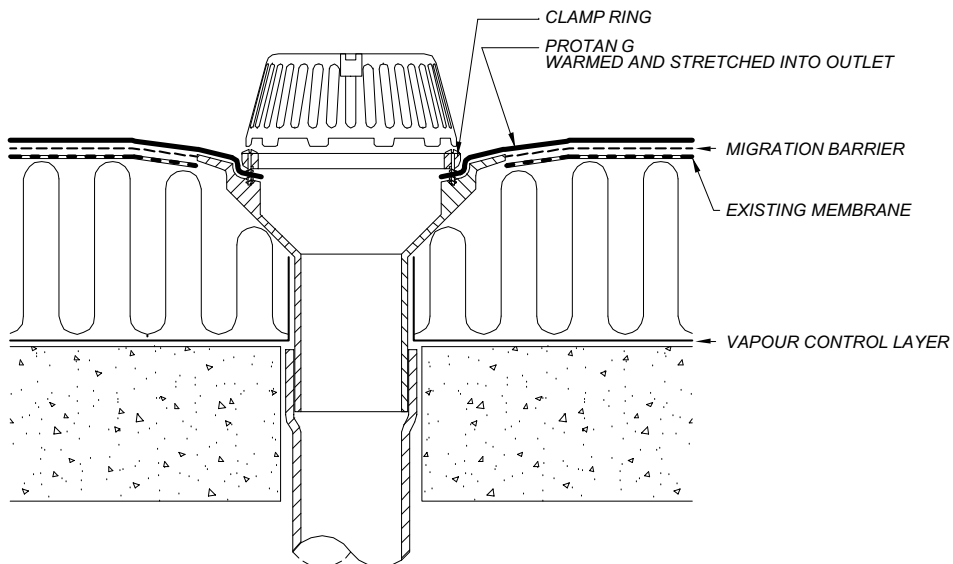
# Installation of new outlet with factory welded membrane

*Drawing No.:* 70-30-01  
*Version No.:* 01-2004  
*Not to scale*



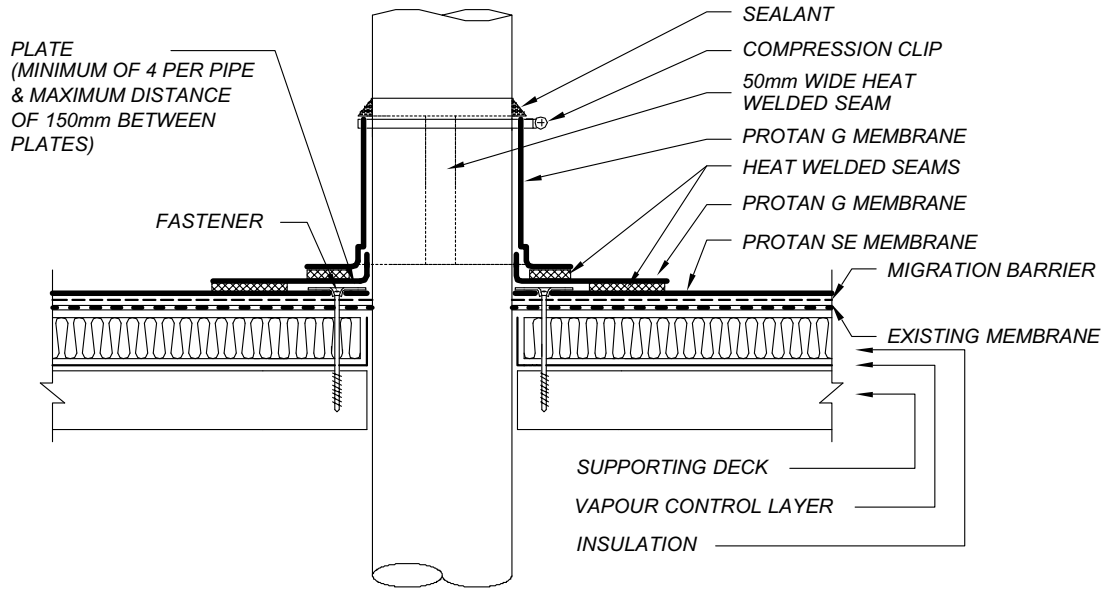
# Renovation of existing outlet with clamp ring

*Drawing No.:* 70-30-02  
*Version No.:* 01-2004  
*Not to scale*



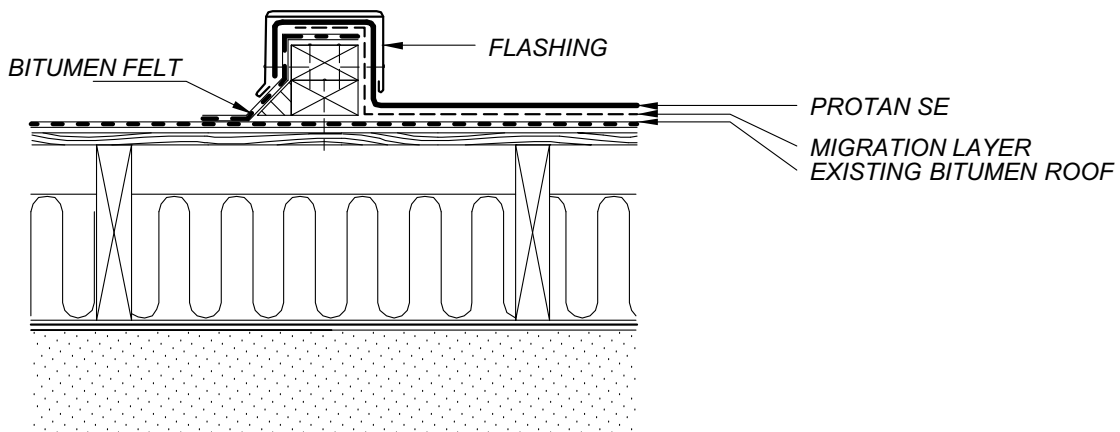
# Pipe flashing - continuous

Drawing No.: 70-30-03  
 Version No.: 01-2004  
 Not to scale



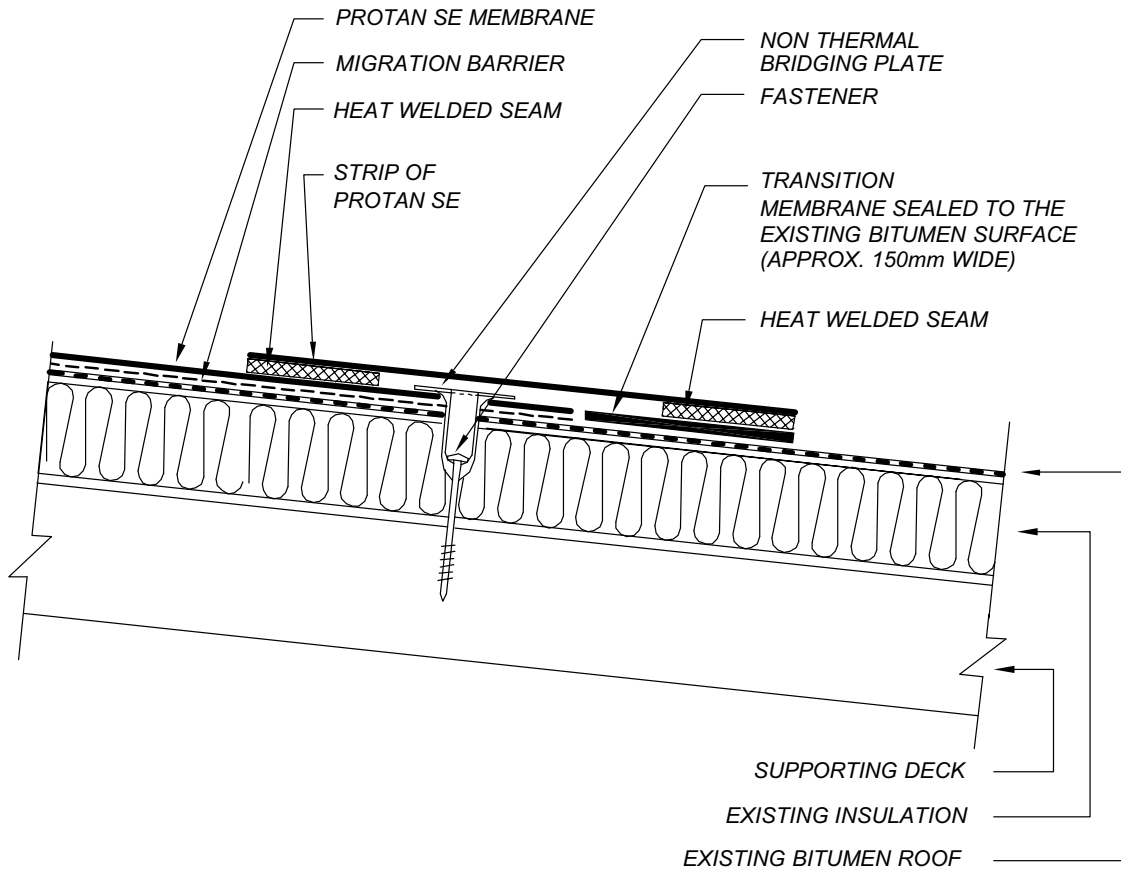
# Transition tie to bitumen roof

Drawing No.: 70-35-01  
 Version No.: 01-2004  
 Not to scale



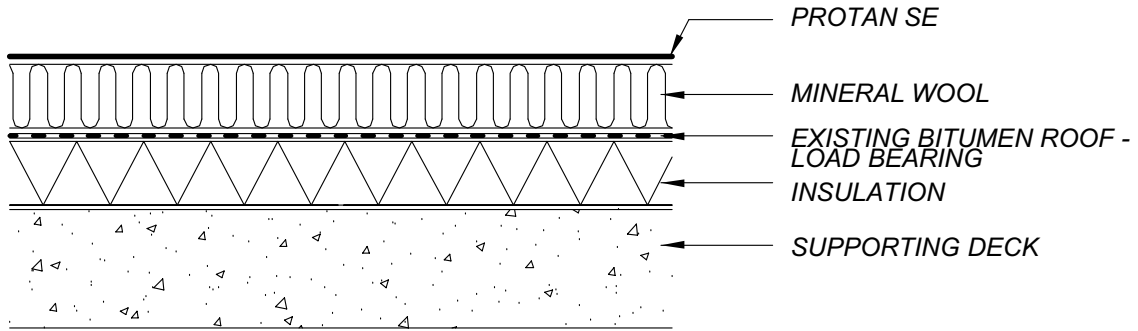
# Temporary tie to bitumen roof

Drawing No.: 70-35-02  
Version No.: 01-2004  
Not to scale



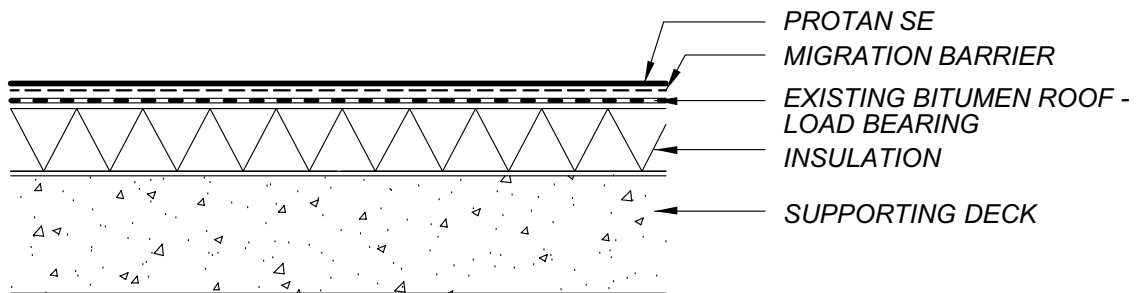
# Vacuum roof with additonal insulation

Drawing No.: 70-45-01  
Version No.: 01-2004  
Not to scale



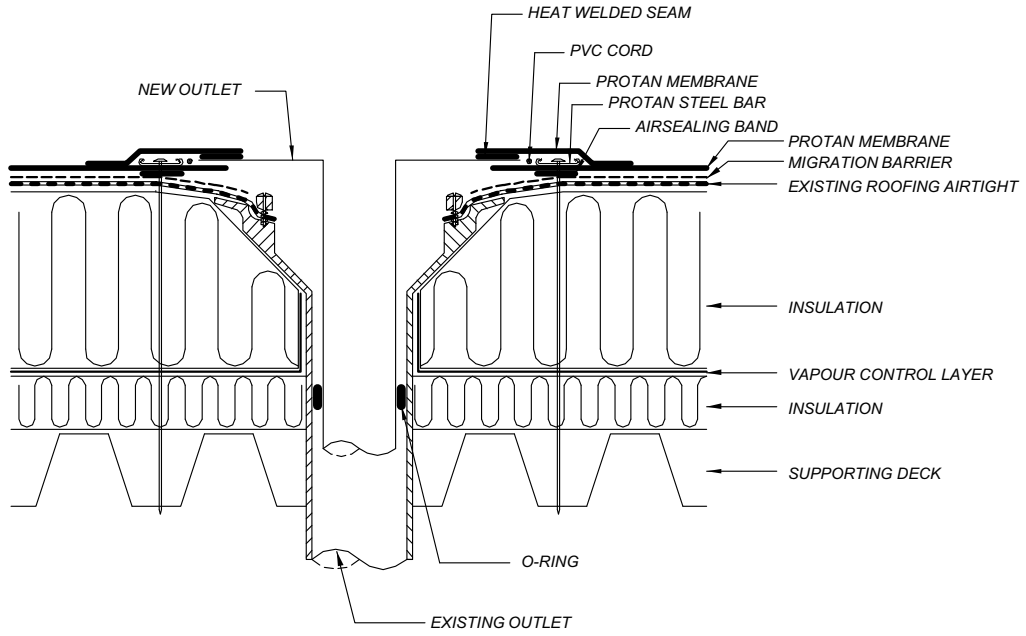
# Vacuum roof

Drawing No.: 70-45-02  
Version No.: 01-2004  
Not to scale



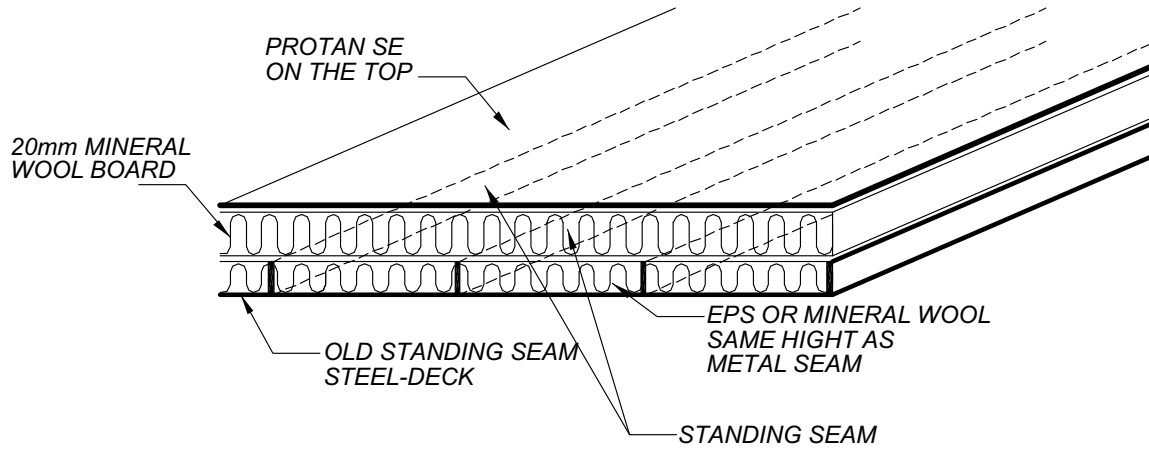
# Vacuum roof -outlet detail

Drawing No.: 70-45-03  
Version No.: 01-2004  
Not to scale



# Old metal roof with standing seam

Drawing No.: 70-50-01  
Version No.: 02-2008  
Not to scale





## Other technical drawings

Protan Exposed Membrane Roof



Protan Protected Membrane Roof



Protan Terraces and Balconies



Protan Roof Renovation  
Protan Technical Drawings



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