

Protan Exposed Membrane Roof



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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.

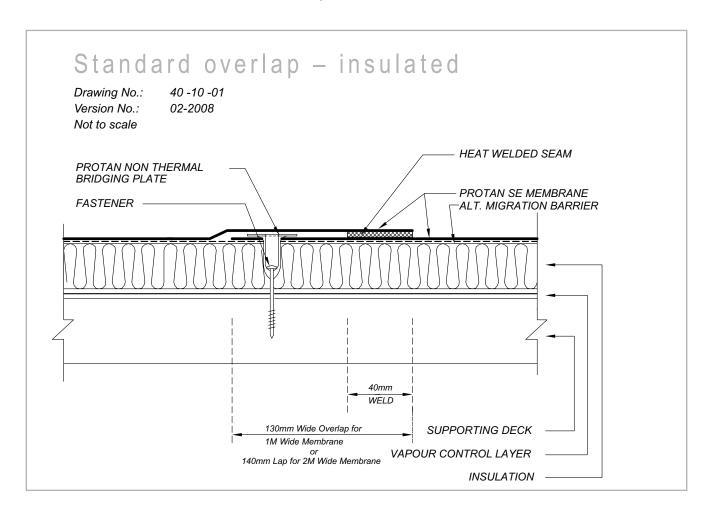
The separation layer must be functional under all conditions that the roofing membrane might experience during its entire lifetime.

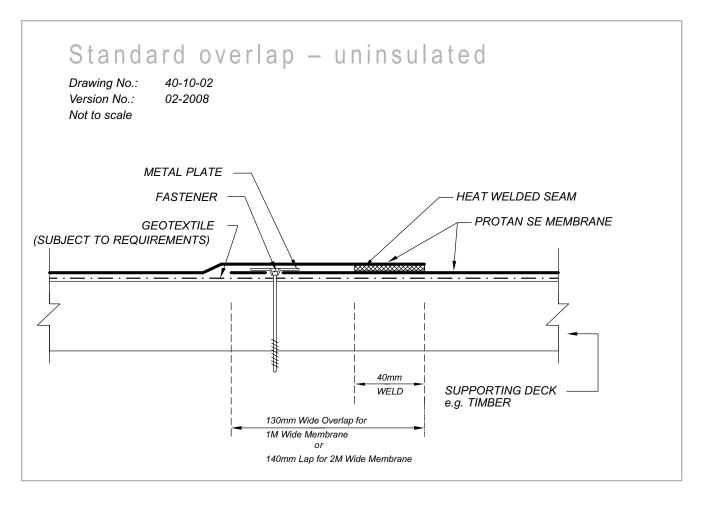
- Migration barriers are installed between two layers to avoid chemical interaction between them.
- Sliding layers are installed between two layers to prevent friction between them.
- Levelling layers are installed between two layers mainly for aesthetic reasons.
- Protection layers are installed on 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/m².)

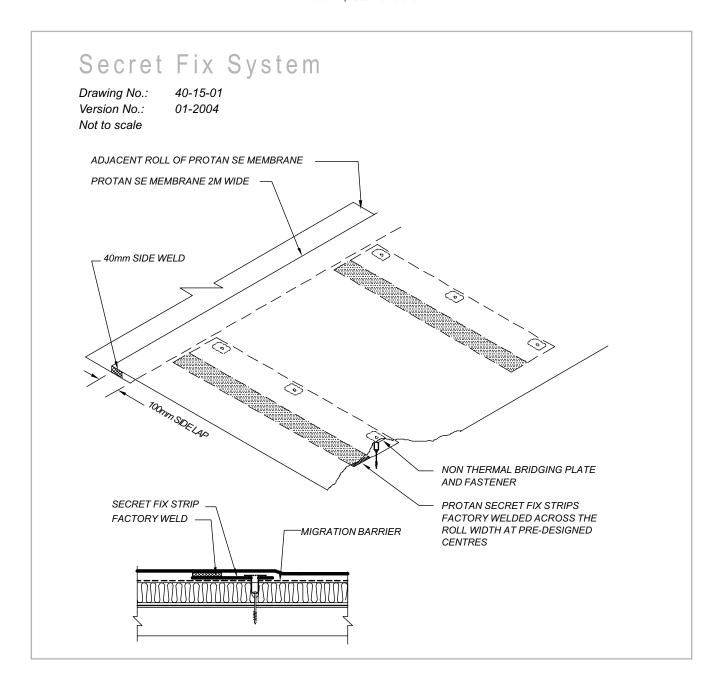
Table: Separation layers for Protan PVC

Underlaying deck	Protan PVC-membrane			
Old bitumen roofs	Protan EX Protan EX has a 140 g/m² polypropylene fleece migration barrier laminated on the reverse side	Protan SE Protan SE requires a separate migration barrier installed on top of the bitumen surface to avoid migration. Protan recommends: Fibertex F2B, 140g/m² polypropylene, supplied by Protan AS		
EPS/XPS-insulation	Protan EXG Protan EXG has a 60g/m² glass fleece migration barrier laminated on the reverse side	Protan SE Protan SE requires a separate migration barrier installed on top of the bitumen surface to avoid migration. Protan recommends: Glass fleece 50g/m² supplied by Protan AS		
Bases of smooth concrete or light weight concrete	Protan SE Protan SE requires a sliding/levelling layer installed on top of the concrete deck. Protan recommends: Fibertex F4M 300 g/m² PP, supplied by Protan AS. Note! Polyester felt must not be used on concrete!			
Timber decks	As for old bitumen roofs			
Rubber, such as underlying blocks, mats, packing etc.	As for old bitu	umen roofs		
Old mechanically fastened polymeric membrane	As for old bitumen roofs (140g/m" 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			
Old gravel ballasted polymeric membrane	if this is not feasible, the existing membrane should be to alleviate any s transfer to new fasten	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		
Lubricated roofs	Lubricated roofs should be evaluated, plea	ase contact Protan Technical Services		

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

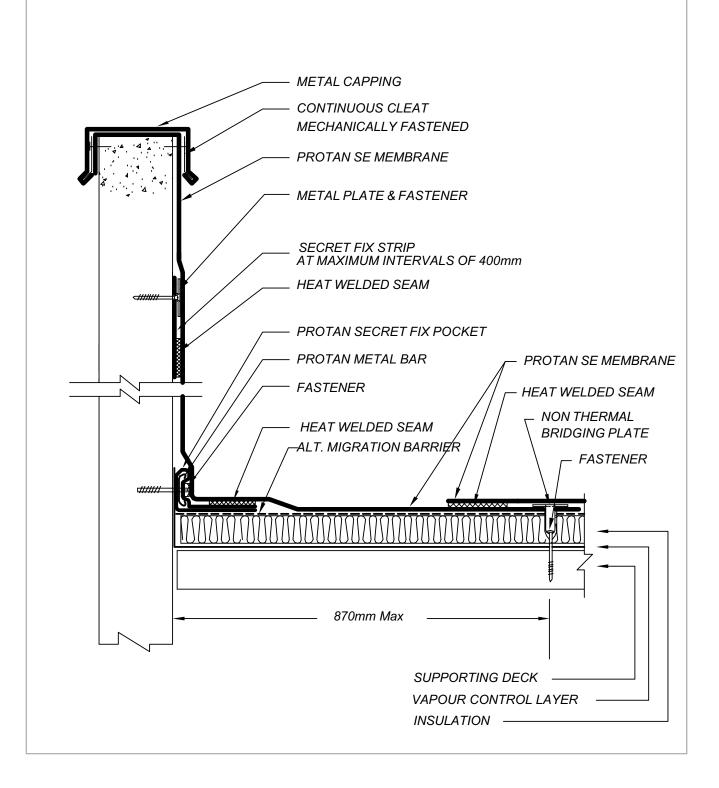


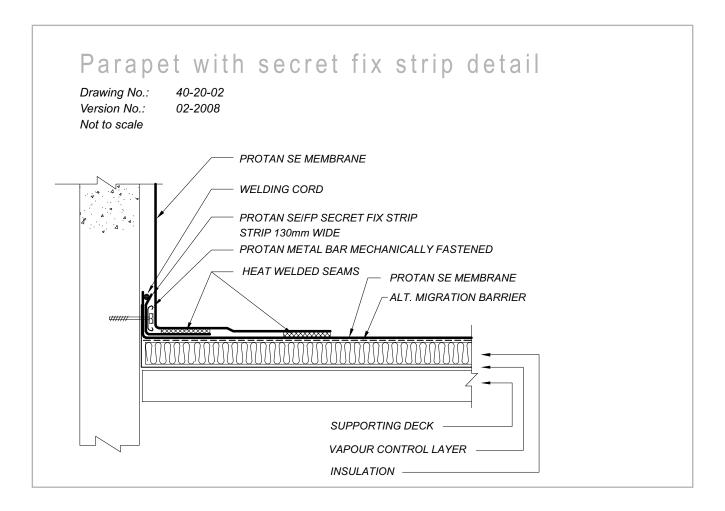




Parapet with secret fix pocket + high wall termination detail

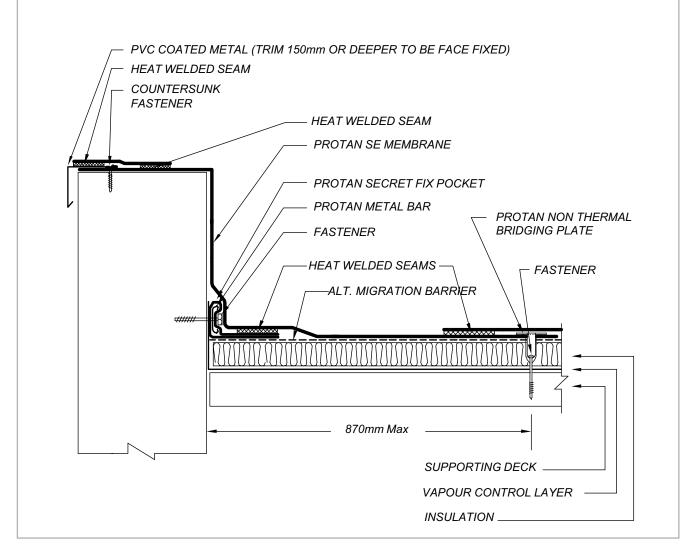
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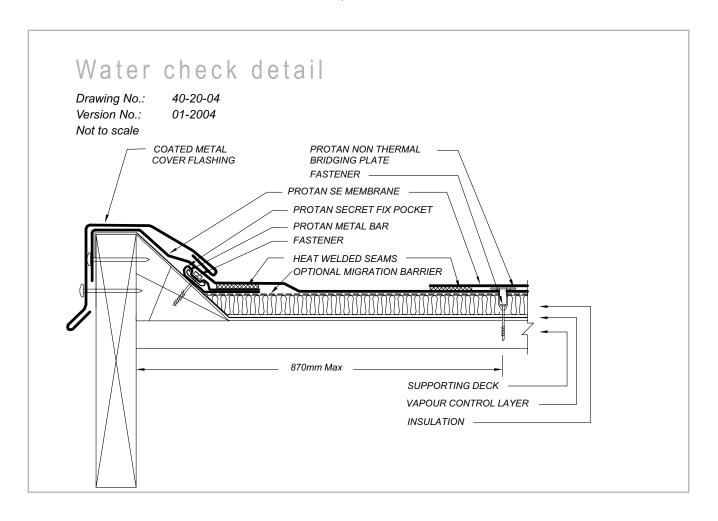


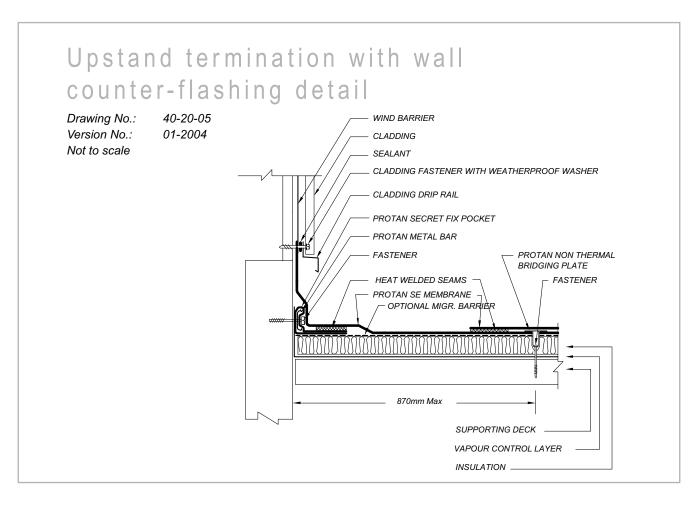


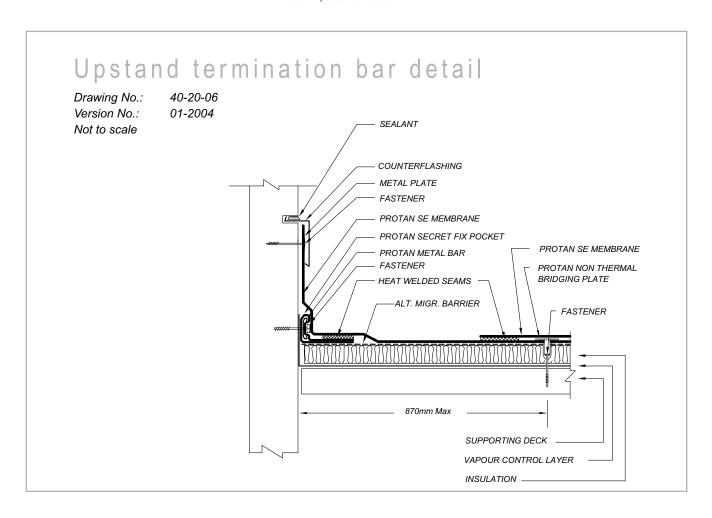
Parapet with secret fix pocket + low wall termination detail

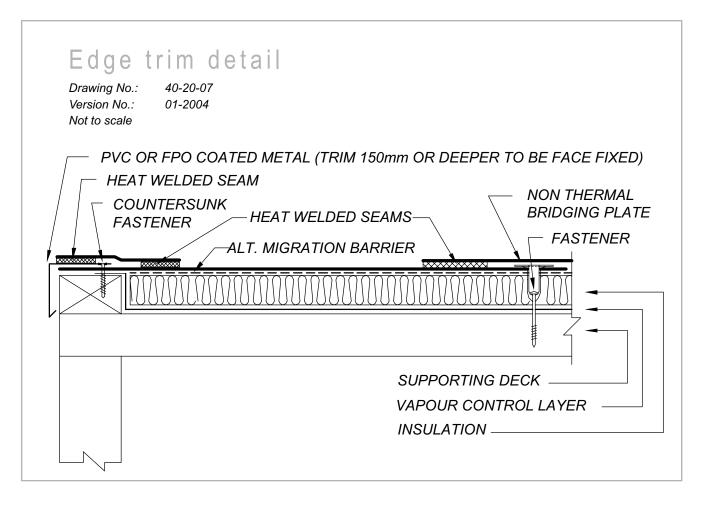
Drawing No.: 40-20-03 Version No.: 01-2004







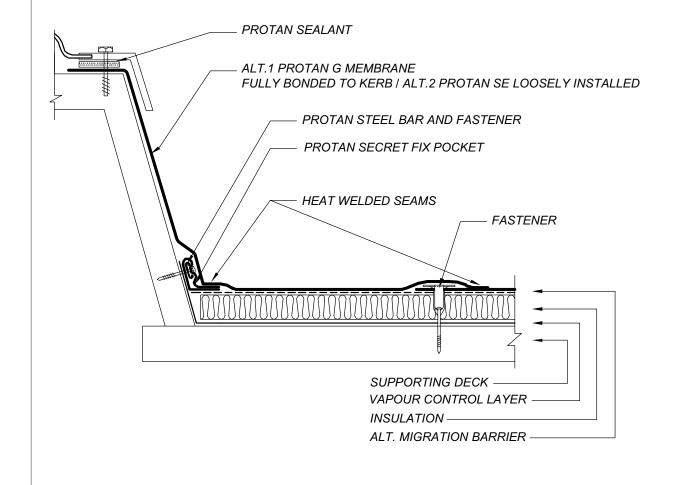




Valley flashing detail Drawing No.: 40-20-08 Version No.: 02-2008 Not to scale PROTAN SE MEMBRANE NON THERMAL BRIDGING PLATE HEAT WELDED SEAM **FASTENER** PROTAN SECRET FIX STRIP HEAT WELDED SEAM SUPPORTING DECK -VAPOUR CONTROL LAYER INSULATION -ALT. MIGRATION BARRIER

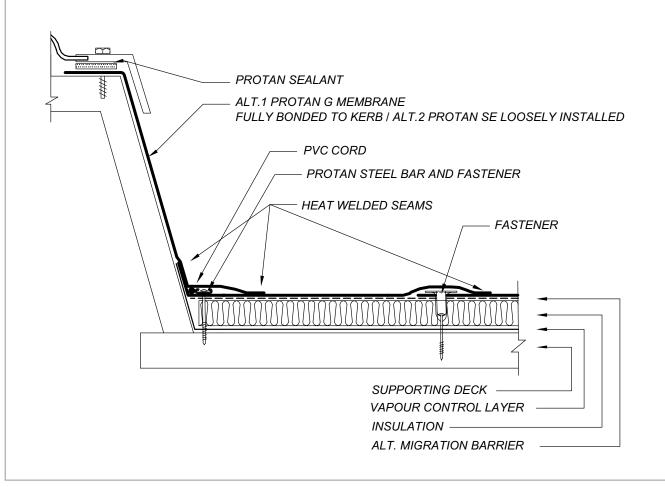
Roof light kerb flashing detail with secret fix pocket

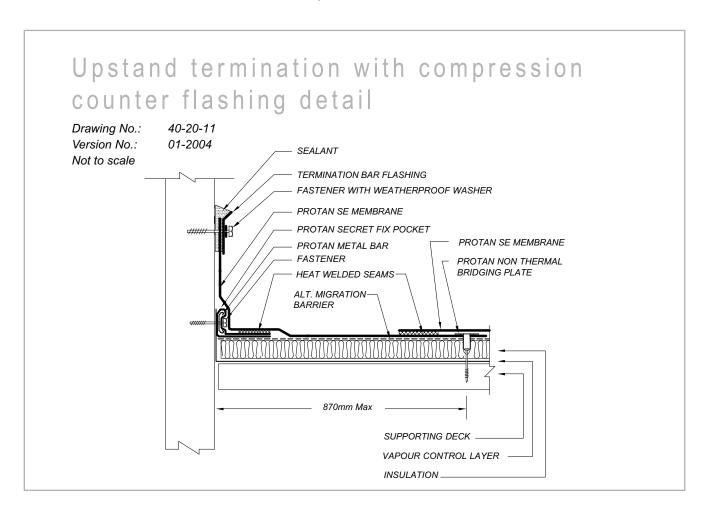
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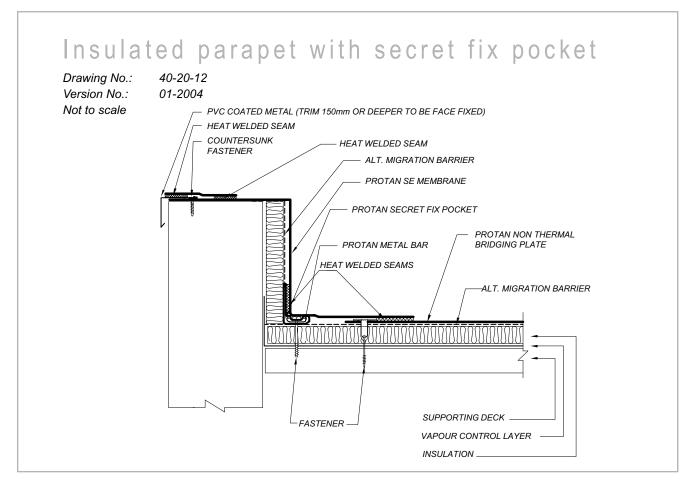


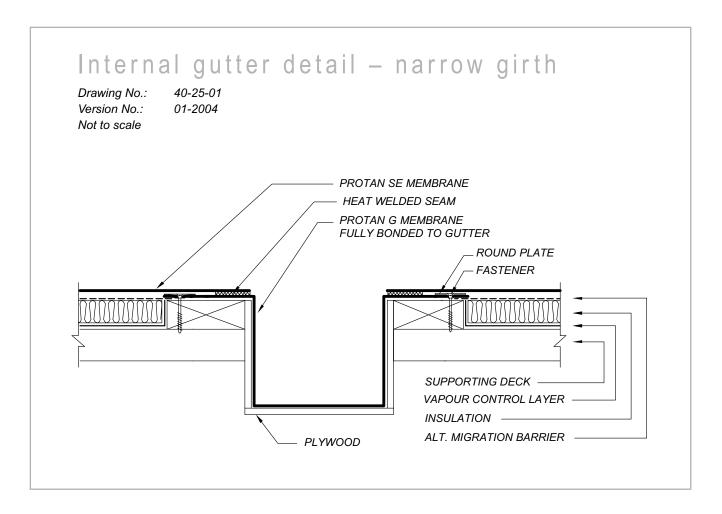
Roof light kerb flashing detail with secret fix strip

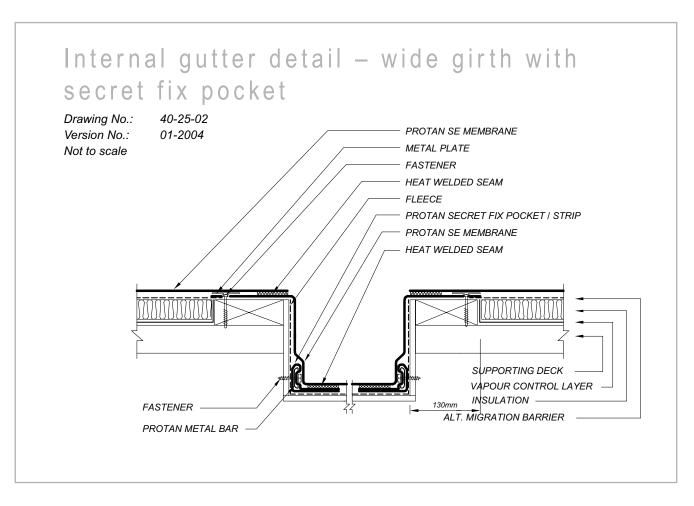
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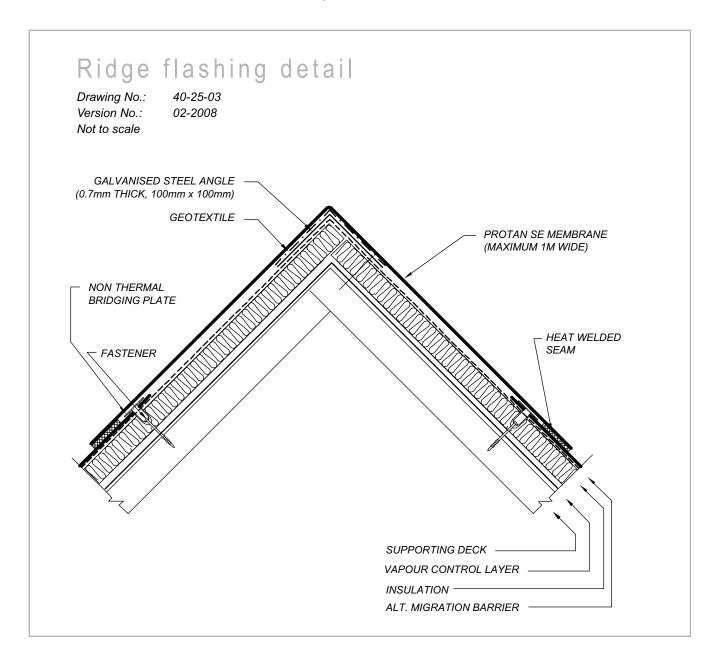






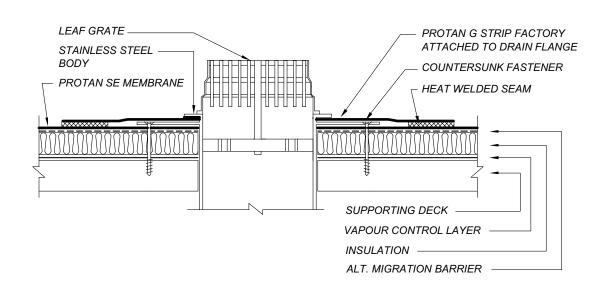


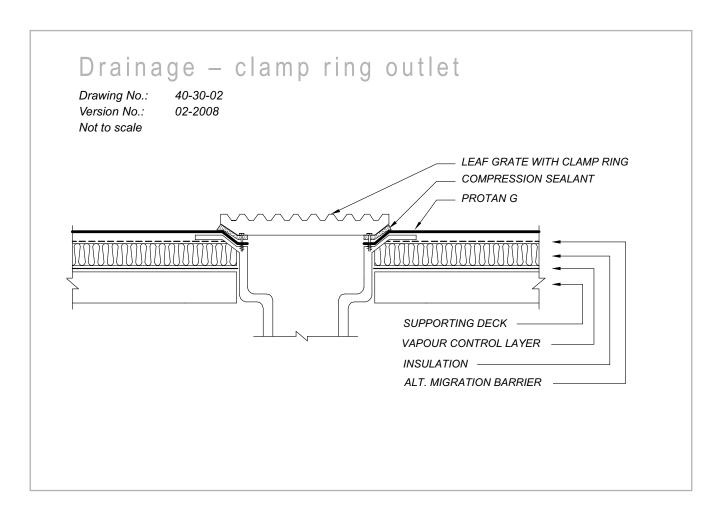


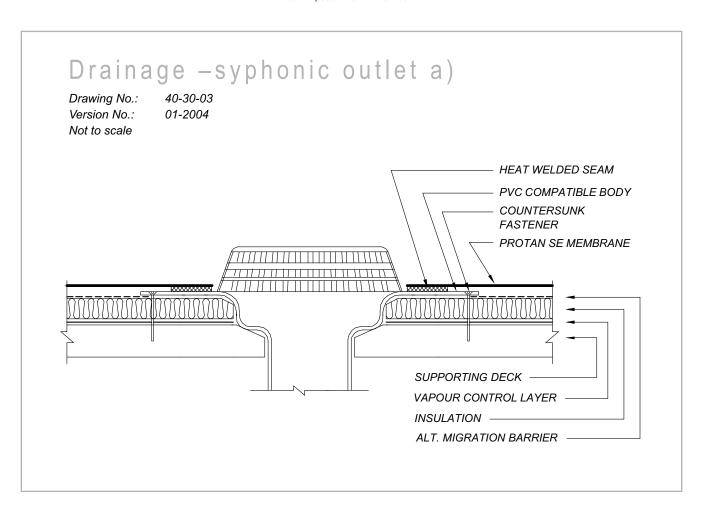


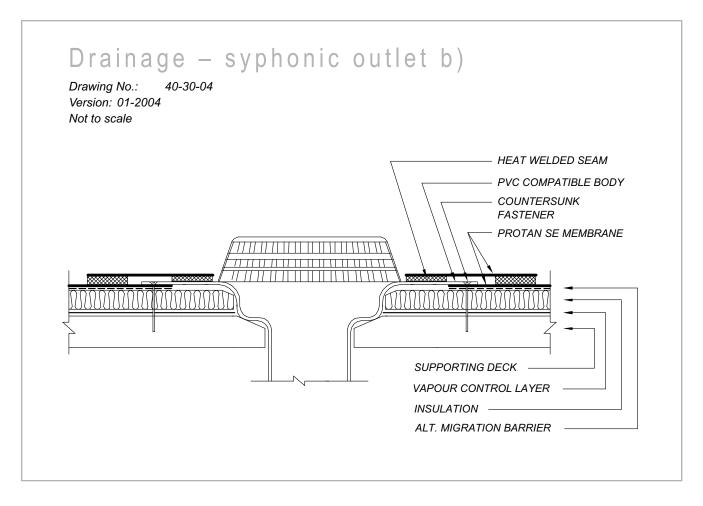
Drainage — outlet with factory attached Protan Membrane

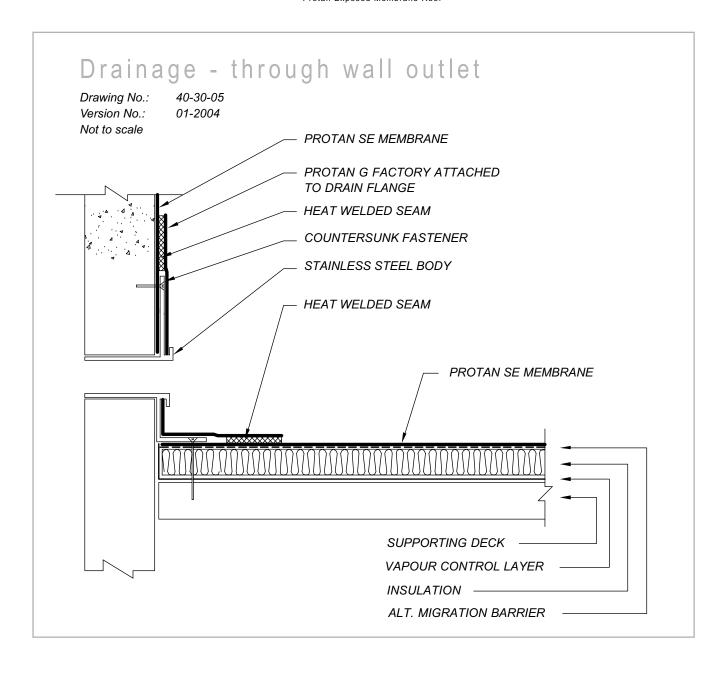
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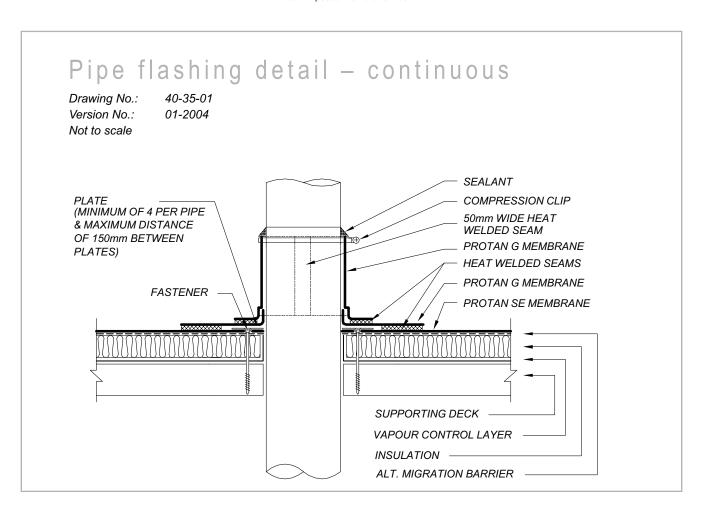


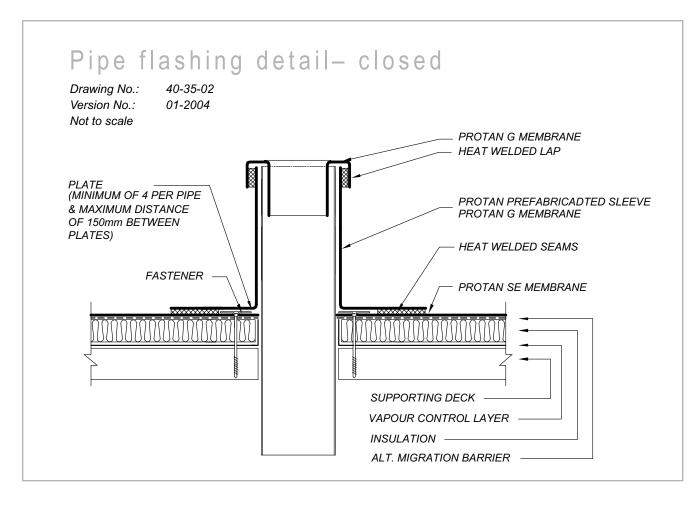


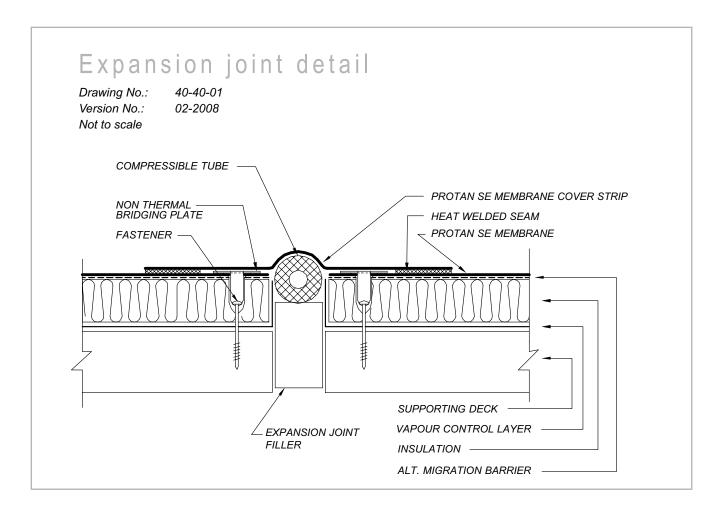


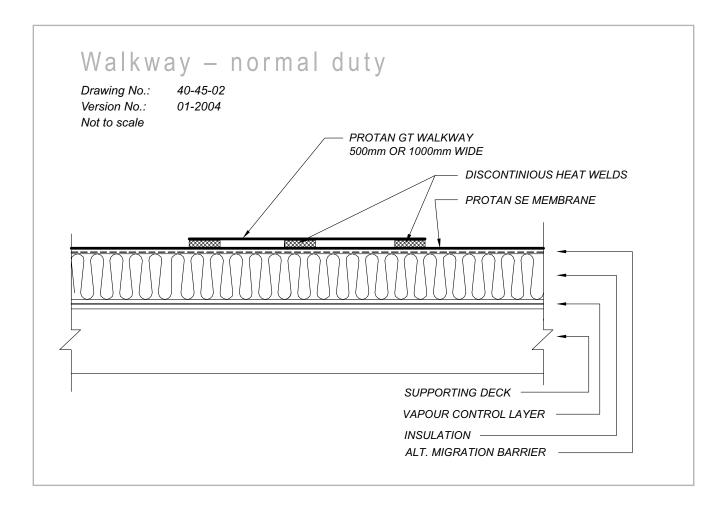


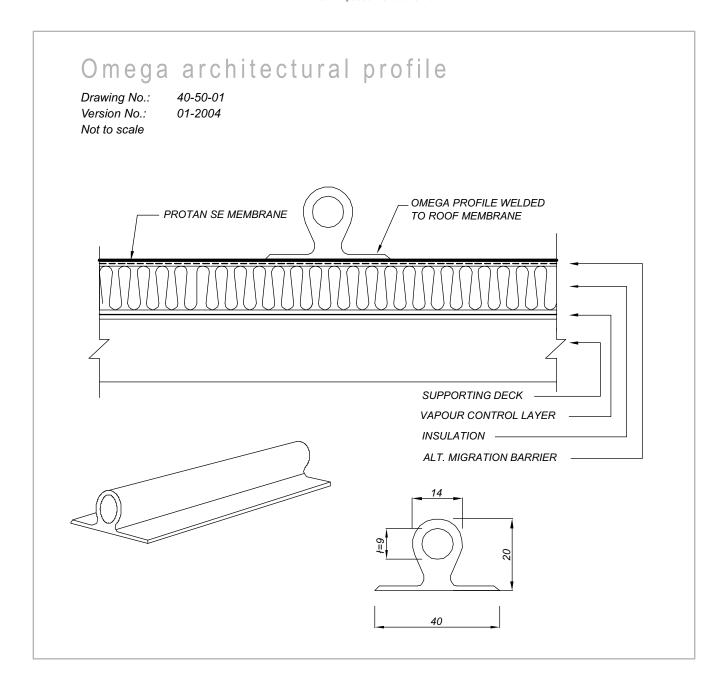


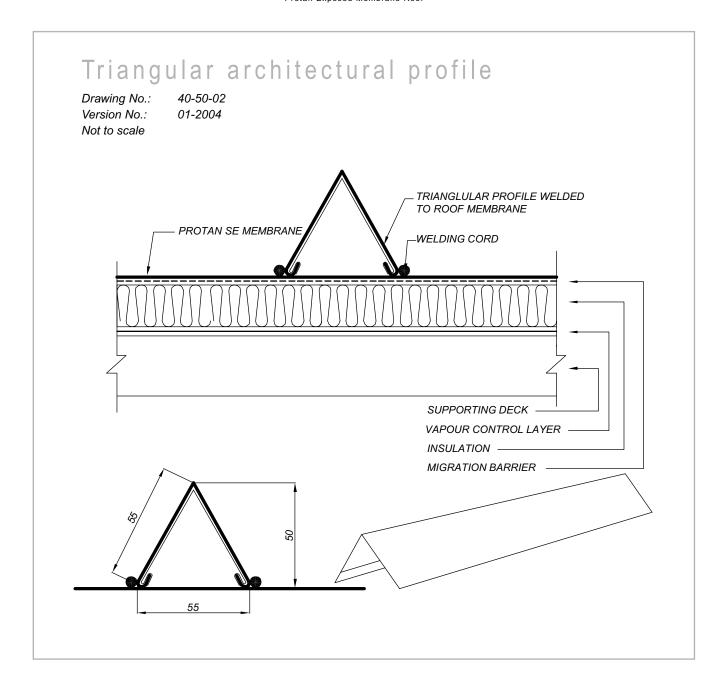








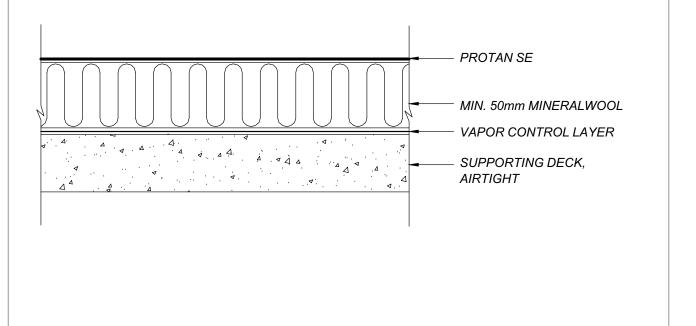






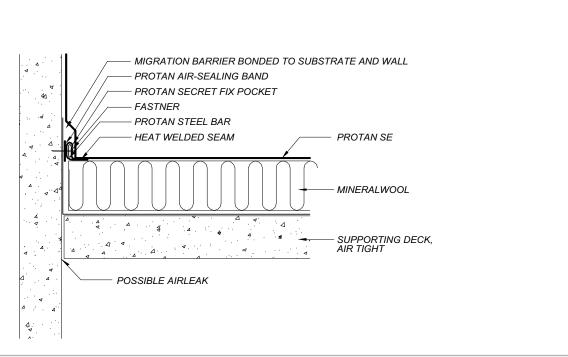
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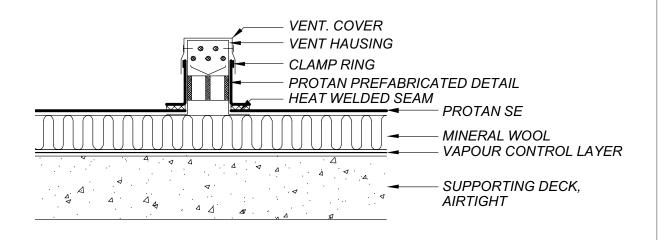


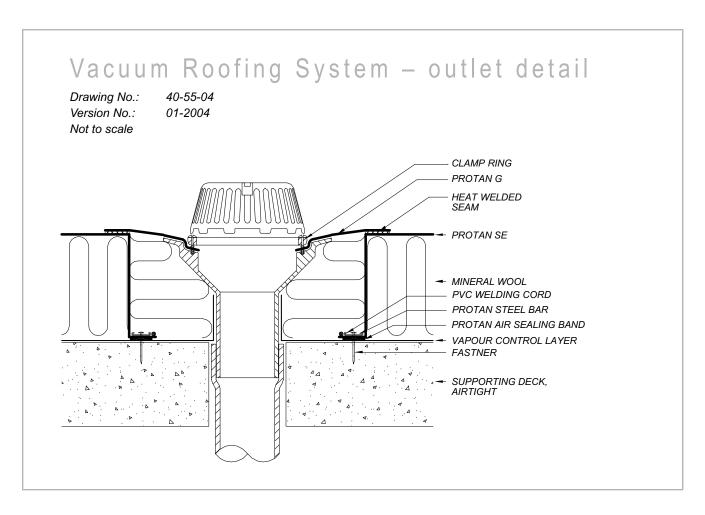
Drawing No.: 40-55-02 Version No.: 01-2004



Vacuum Roofing System - vacuum vent detail

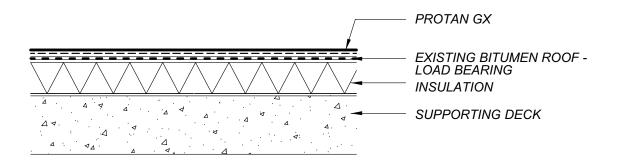
Drawing No.: 40-55-03 Version No.: 01-2004





Adhered Roofing System - general

Drawing No.: 40-60-01 Version No.: 01-2004



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Other technical drawings

Protan Protected Membrane Roof



Protan Roof Renovatior



Protan Terraces and Balconies







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