

Low Risk Design & Details

Version 1.2

Designers & Specifiers

PURPOSE: This checklist is firstly a prompt for the Designer and secondly a check by the Roofing QS to ensure Low-Risk design elements have been considered by the designer for best results. Any issues can be raised prior to construction with Designer and or Viking Roofspec for advice if needed.

Checklist to be completed and signed by Designer prior to Tender

Date:	
Designer / Specifier:	
Project Name & Address:	
Reviewed By:	
Notes or Comments:	

- Falls to E2/AS1 guidelines and Viking Substrate Checklists
- Drainage to external spouting is most recommended.
- Specify a fixing bar to secure membrane at the metal drip-edge.
- All drains and outlets are membrane compatible. Note that TPO membranes cannot be welded to Stainless Steel scuppers or sumps. Outlets and Overflows should have clamping rings and grates.
- NO Acceptance of ply formed sumps or scuppers. Must use correct proprietary fittings for membrane type.
- Parapet roofs: Consider what happens if the outlet blocks. Where will the water go?
- USE Clamped Outlets and Overflows eg. specify SDM049.
- 80mm / allow 1 outlet and 1 overflow per 55m2 (allows for 200mm rainfall) estimated.
- 100mm / allow 1 outlet and 1 overflow per 90m2 (allows for 200mm rainfall) estimated.
- Specifiers determine correct drainage. Via E1 Surface water calculations rainfall intensity / surface area
- Overflows: Match overflow to outlet capacity: Overflows to be plumbed independent of stormwater
- Ventilation: refer Viking Technical Note Venting for further advice. Recommend 1 cavity vent per 50m2 as minimum, more may be required for specific design. (Not required if a WarmRoof compliant to the minimum H1 R-Values)
- Cross ventilation of Cold-Roof construction must be included, use castellated battens.
- WarmRoof / WarmSpan use Vapour Barrier or sealed metal deck in Climate Zone 3 locations.
- Safe Access is required for future inspections (e.g., FSW)
- E.G. Safe Ladder or Hatch access, Safety Anchors for fall arrest
- Has a Leak detection system or site inspection programme been specified?

Information regarding our products, specifications and warranties is available at www.vikingroofspec.co.nz
 If you have a query regarding your specification, please call Viking Roofspec on 0800 729 799.