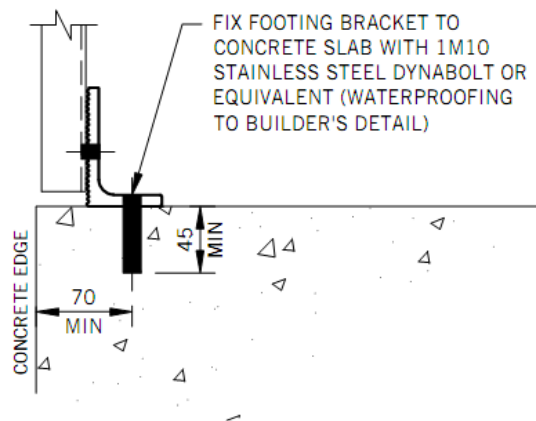
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Tech. Bulletin	Rev. Nr.	Concrete roofs	
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INTRODUCTION

SunLock framing can be installed on concrete roofs. The SunLock solar PV frame needs to be fixed (or anchored) to the concrete roof to prevent movement from wind loads. Anchoring can be accomplished using standard methods such as mechanical anchoring (e.g. DynaBolt, DynaSet) or chemical anchoring (e.g. ChemSet).

GUIDE

SunLock channel feet or L-feet can be mechanically anchored to concrete. The SunLock installation manual includes this design detail on some drawings:



Note that L-foot model SLLF005 is available with a 10 mm hole in the base; and channel foot model SLCF02 is available with an 8.5 mm hole in the base. These holes can be enlarged (drilled out) if necessary to suit the specific anchor selected.

Please contact either SunLock or a registered structural engineer for site specific advice on fixing a SunLock frame to a concrete roof. It may be advisable to engage a roofing contractor to anchor the feet and warrant their work, including waterproofing.

MECHANICAL ANCHORING

Further information on anchoring is available from components suppliers such as Ramset:

<http://www.ramset.com.au/Product/Section/21/Medium-Duty-Anchors>

CHEMICAL ANCHORING

Similarly, chemical anchoring solutions such as ChemSet can be used:

<http://www.ramset.com.au/Product/Section/76/Anchoring-Adhesives>

FURTHER INFORMATION

For further information contact Apollo Energy on 1300 855 484 or sunlock@apolloenergy.com.au.