

10th August 2011

Lock Solar Pty Ltd
Level 19, 144 Edwards Street,
BRISBANE QLD 4000

Attention: Mr Gareth Sawers

Dear Gareth,

RE: LOCKSOLAR RACK-IN-A-BOX™ MOUNTING SYSTEM

The Rack-in-a-box™ Mounting System has been evaluated in accordance with accepted engineering practice and principles. A structural design check has been completed of the aluminium and steel components and their assembly into the mounting system shown in the structural design drawings;

- 1148-0010, Issue 2, Dated 29/10/2010 – RIB-2560-3MTN (Steel Roof System)
- 1148-0025, Issue 2, Dated 29/10/2010 – RIB-2560-3MTL (Tile Roof System)
- 1148-0070, Issue 1, Dated 13/04/2011 – RIB-3410-4MTN (Steel Roof System)
- 1148-0080, Issue 1, Dated 13/04/2011 – RIB-3410-4MTL (Tile Roof System)
- 1148-0110, Issue 2, Dated 05/07/2011 – RIB-3140-3MTN (Steel Roof System)
- 1148-0115, Issue 2, Dated 05/07/2011 – RIB-3140-3MTL (Tile Roof System)
- 1148-0120, Issue 2, Dated 05/07/2011 – RIB-4160-4MTN (Steel Roof System)
- 1148-0125, Issue 2, Dated 05/07/2011 – RIB-4160-4MTL (Tile Roof System)

We have found the design for the Steel Roof System to be structurally sufficient for Australian use based on the following conditions.

- Wind loads to AS/NZ1170.2:2002 for Regions A, B & W
 - Terrain Category 2, 3 & 4
 - Shielding and Topography multipliers of 1
 - Mounting on enclosed buildings to a height of 20 metres maximum

We have found the design for the Tile Roof System to be structurally sufficient for Australian use based on the following conditions for a solar panel of nominal size 1580 x 808.

- Wind loads to AS/NZ1170.2:2002 for Regions A
 - Terrain Category 2, 3 & 4
 - Shielding and Topography multipliers of 1
 - Mounting on enclosed buildings to a height of 10 metres maximum
- Wind loads to AS/NZ1170.2:2002 for Regions B & W
 - Terrain Category 3 & 4
 - Shielding and Topography multipliers of 1
 - Mounting on enclosed buildings to a height of 10 metres maximum

We note that additional Foot Brackets (1148-0039) and Tile Roof Brackets (1148-0020) can be used to extend the performance of the system to cover more severe terrain and topography factors and larger solar panels.

Signed



Mark Bayly
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