

6. Specification for the number of nails to be used per tile (as in Table 1) is based on cyclic testing carried out by the Cyclone Testing Station, James Cook University Report No TS 538.

From this Test Report the following maximum allowable pressures are presented in Table 2

Table 2: Maximum allowable pressure (permissible stress design)

No of Nails per Tile	Maximum allowable pressure (kPa)	Equivalent ultimate design pressure (kPa)
7	4.87	7.31

**TILE NAILING DETAILS**

Nails used on all Savanna Steel Shake Roofing Systems should be 50mm x 2.8 mm flathead nails, galvanised and painted. Nailing details are shown in Figures 3 and 4. 7 nails per tile are required, nail every module. Begin nailing at the overlap end (as shown tile B, Figure 3).

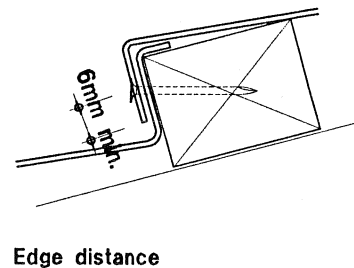
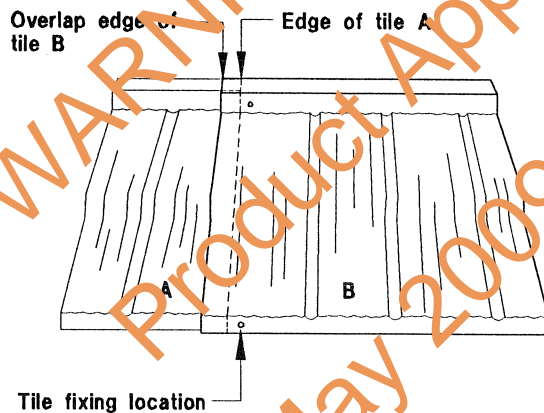
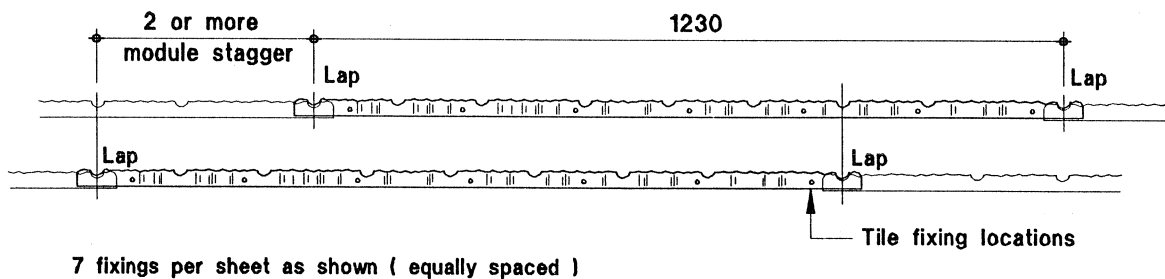


Figure 3



7 fixings per sheet as shown ( equally spaced )

Figure 4

**GENERAL NOTE :**

1. Live load on roof, including persons walking on roof, must only be applied directly over the roof batten
2. All nail positions should be in the same relationship to tile module shape and batten location as shown in Figures 3 and 4
3. For general installation instructions, refer to the Savanna Steel Shake Roofing Installation Details, available from Tasman Roofing Australia Pty. Ltd.

Amendment A - Company and roof system name change.

Savanna Steel Shake Sheet 2 of 2



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**SAVANNA STEEL SHAKE ROOFING SYSTEM**  
for fixing to timber battens

**Tasman Roofing Australia Pty. Limited**  
ACN 081 835 092

**DESIGN DATA SHEET**  
APPROVED DATE DRAWING NUMBER.

M/102/7 <sup>Amd</sup> A