



TILES

0.4 mm PRESSED STEEL.

BATTENS

TO BE AS SPECIFIED BY THE ARCHITECT AND FIXED AS BELOW.

NAILS

TO BE 2.6 mm DIAMETER BY 45 mm ANNULAR RING NAILS.

FIXING

TILES SHALL BE Laid ON BATTENS WITH LAPS STAGGERED TWO MODULES. PROVIDE ONE NAIL TO EACH MODULE, TO BE FIXED BACK THROUGH THE FRONT LIP INTO THE SIDE OF THE TILE BATTEN AT THE CENTRE OF THE INDENTATION IN THE RAISED PORTION OF EACH MODULE.

DESIGN LOAD (DARWIN AREA)

RETURN PERIOD = 50 YEARS  
 REGIONAL BASIC DESIGN VELOCITY = 55 m/s  
 CYCLONIC MULTIPLIER = 1.15  
 TERRAIN CATEGORY 2½ - VELOCITY MULTIPLIER 0.79  
 ∴ DESIGN VELOCITY  $V_x = 55 \times 1.15 \times 0.79 = 50 \text{ m/s}$   
 PRESSURE  $q_z = 0.6 \times 50^2 \times 10^{-3} = 1.65 \text{ kPa}$   
 EXTERNAL UPLIFT PRESSURE =  $1.65 \times 0.9 \times 2.0 = 2.97 \text{ kPa}$   
 INTERNAL UPLIFT PRESSURE =  $1.65 \times 0.8 = 1.32 \text{ kPa}$

BATTEN TO TRUSS OR RAFTER

Nº10 x 75 LG. TYPE 17 WOODSCREW

4.29 kPa

<p><u>MANUF'S NAME</u> METALWORK TILING CO. OF AUSTRALIA LIMITED  <u>ADDRESS</u> 6 LINDSAY AVENUE EDWARDSTOWN SA 5039 <u>PHONE Nº</u> 277 4744</p>	<p>FIXING OF "ALUTILE" LIGHTWEIGHT ROOFING TILES (PRESSED STEEL)</p>	
<p><u>CERTIFIED</u> <i>H. J. Oborn</i> M.I.E. AUST.  <u>DATE</u> JULY 1979</p>	<p>DESIGN DATA SHEET</p>	
<p>HOSKING FARGHER &amp; OBORN PTY LTD          CONSULTING ENGINEERS  <small>763 MELBOURNE STREET NORTH ADELAIDE</small></p>	<p>NORTHERN TERRITORY CYCLONIC AREAS  <u>APPROVED</u> <i>[Signature]</i> <u>DATE</u> 20/1/77</p>	<p>DRAWING Nº          M/110/1</p>