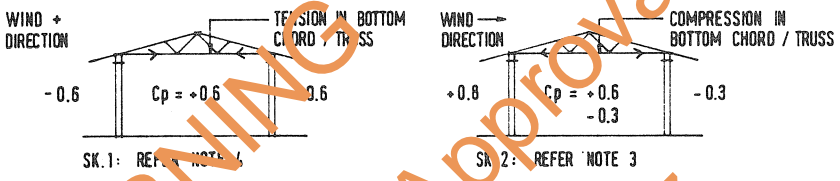


**TYPICAL FLOOR PLAN**

**TYPICAL SECTION**



**SUGGESTED MAXIMUM SPANS FOR BOND BEAMS**

- NOTE: 1. Bond Beam Spans assume walls designed as propped cantilevers - use Y 12 or Y 16 starter bars lapped 200 with core reinforcement.  
 2. 2700 max ceiling height  
 3. Trusses assumed to transfer loads in opposite bond beams equally between the two bond beams - transfer load/truss approx. 0.6 Kn (TC 2), 0.5 Kn (TC 2½), - refer SK2 above.  
 4. Trusses assumed to transfer wall suction loads to cancel out load in opposite bond beam. Additional tension in bottom chord = 4.8 Kn (TC 2), = 3.6 Kn (TC 2½), - refer SK1 above.

**(1) UPLIFT WALLS - TRUSSES AT 1000 MAX CENTRES**

	MAXIMUM SUGGESTED SPAN FOR BOND BEAM WITH	
	4 Y12 BARS	4 Y16 BARS
<b>TERRAIN CATEGORY 2:</b>		
End or Simple Span	6.2 m	8.2 m
Internal Span	7.0	9.2
<b>TERRAIN CATEGORY 2½:</b>		
End or Simple Span	7.0	9.4
Internal Span	7.8	10.4

**(2) END WALLS WITH NO UPLIFT/TRUSS TRANSFER**

	4 Y12 BARS	4 Y16 BARS
<b>TERRAIN CATEGORY 2:</b>		
End or Simple Span	5.4 m	7.0 m
Internal Span	6.0	7.8
<b>TERRAIN CATEGORY 2½:</b>		
End or Simple Span	6.0	8.0
Internal Span	6.8	9.0

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**MAXIBRICK BUILDING SYSTEM.**  
 BOND BEAM SPANS

SHEET 4 OF 7

**CLARENDON CONSULTING ENGINEERS**  
 SUITE 3 FIRST FLOOR 96 WOODS ST DARWIN. N.T. PH.(089) 81 7500

**DESIGN DATA SHEET**

DARWIN CYCLONE AREA		DWG. No.
APP D. <i>J.R. Gardner</i> MIE AUSTR	DATE 30/10/87	<b>M/214/4</b>

CERTIFIED *[Signature]* DATE 23/9/87