

### EZIBRACE CAPACITIES (N1 - N3)

ALL BRACING LOADS ARE CALCULATED USING ULTIMATE STATE DESIGN

PIER HEIGHT (m)	HORIZONTAL RACKING FORCE $F_h$ (kN)						
	PIER GRID SPACING (m)						
	1.8	2.1	2.4	2.7	3.0	3.3	3.6
0.6	12.8	12.8	12.8	10.5	8.5	7.2	6.4
0.9	12.8	12.8	12.0	9.9	8.2	6.9	6.4
1.2	12.8	12.8	11.1	9.1	7.7	6.5	6.4
1.5	12.8	11.9	10.0	8.4	7.2	6.4	6.4
1.8	12.2	10.5	8.8	7.7	6.5	6.4	6.4
2.1	10.5	9.0	7.9	6.9	6.4	6.4	6.4
2.4	8.8	7.9	7.0	6.4	6.4	6.4	6.4
2.7	7.7	6.9	6.4	6.4	6.4	6.4	6.4
3.0	6.5	6.4	6.4	6.4	6.4	6.4	6.4
3.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
3.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4

Structural Design Certification By:

DESIGN. PLAN. MANAGE

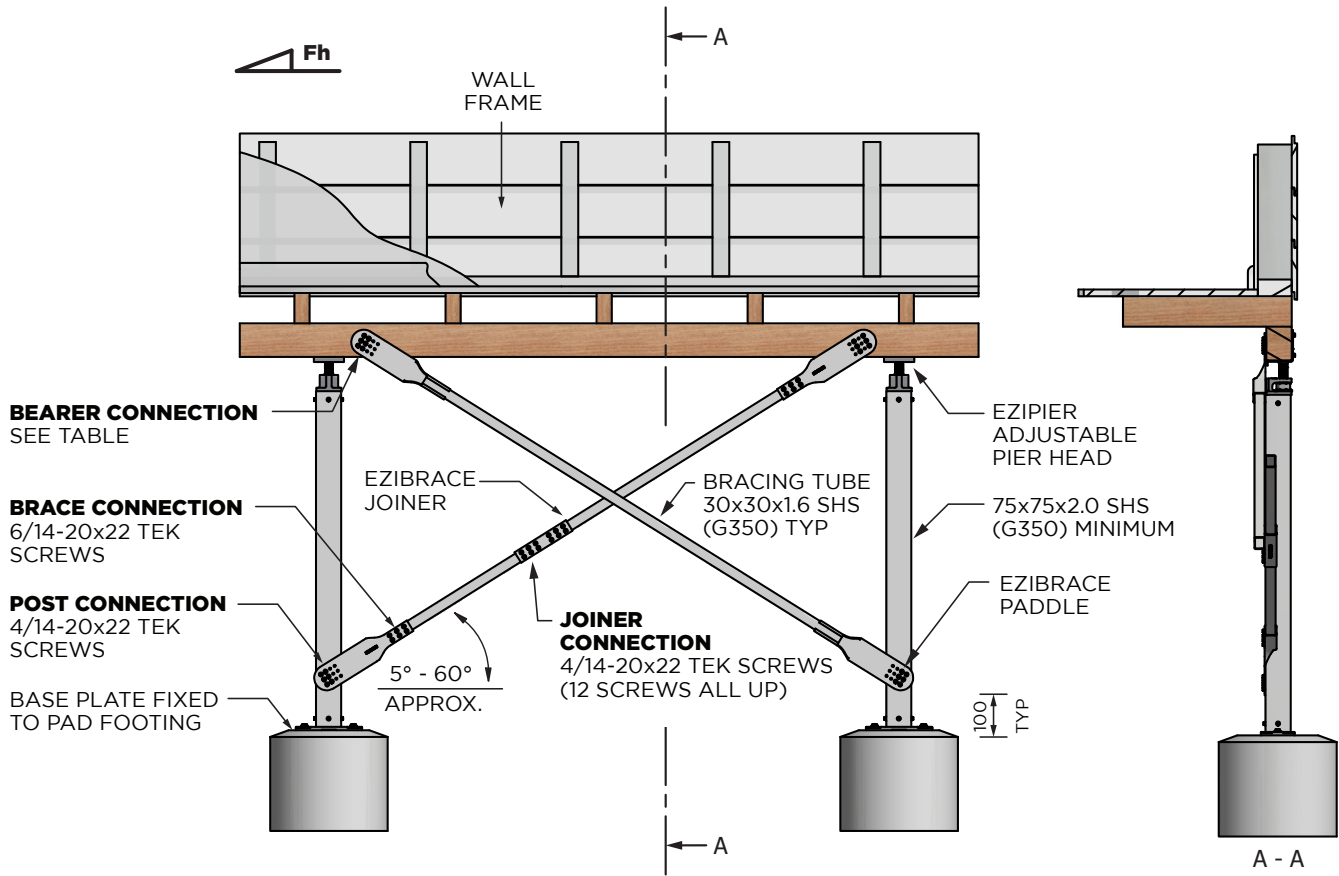
ACN 088 342 645  
 136 Darling Street, Dubbo NSW 2830

*Richard J. Noonan*

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Date: 2-10-2015  
 Reference No: 20727

## WIND CLASSIFICATION N4 OR GREATER



### EZIBRACE CAPACITIES (N4 OR GREATER)

ALL BRACING LOADS ARE CALCULATED USING ULTIMATE STATE DESIGN

PIER HEIGHT (m)	HORIZONTAL RACKING FORCE $F_h$ (kN)					
	PIER GRID SPACING (m)					
	1.8	2.4	3.0	3.6	4.2	4.8
0.6	24.5	25.0	25.3	25.4	25.5	25.6
0.9	23.1	24.2	24.7	25.0	25.2	25.4
1.2	21.5	23.1	24.0	24.5	24.8	25.0
1.5	19.8	21.9	23.1	23.8	24.3	24.6
1.8	18.2	20.6	22.1	23.1	23.7	24.2
2.4	15.5	18.2	20.1	21.5	22.4	23.1
3.0	13.3	16.1	18.2	19.8	21.0	21.9
3.3	12.4	15.2	17.4	19.0	20.3	21.3
3.6	11.5	14.3	16.5	18.2	19.6	20.6

### BEARER CONNECTION - TYPICAL FASTENERS

BEARER TYPE	SIZE/THICK NESS (mm)	TYPE 17 14-10x50	14-20x22 SCREWS	12-24x20 SCREWS	M12 BOLTS
LVL	90 x 58 (JD4)	9	-	-	3
HARDWOOD	90 x 70 (JD3)	6	-	-	3
RHS	150x50x2.0	-	4	4	2
C-SECTION	C15019	-	4	5	2

Structural Design Certification By:

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