

1. THIS SET OF DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
2. ALL SET OUT DIMENSIONS ARE TO BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS UNLESS SPECIFIC DIMENSIONS ARE GIVEN ON THE ENGINEERING DRAWINGS.
3. THESE DRAWINGS SHOULD NOT BE SCALED.
4. ALL MATERIALS AND WORKMANSHIP ARE TO BE OF THE HIGHEST STANDARD AND IN ACCORDANCE WITH ANY RELEVANT SAI GLOBAL CODES RELATING TO THEIR APPLICATION. CERTIFICATES TO THIS EFFECT FROM A NATAL APPROVED TESTING LABORATORY SHALL BE FURNISHED ON REQUEST.
5. DETAILS SUITABLE FOR 'N3' WIND CLASSIFICATION TO AS1170.2 (TERRAIN CATEGORY 2).
6. USE ADJUSTABLE POST HEADS FOR 'H' AND/OR 'P' CLASS SITES.
7. ANT CAPS ARE NOT REQUIRED FOR THIS DETAIL.
8. WHERE SOUND ROCK IS ENCOUNTERED AT OR NEAR GROUND LEVEL, TIEDOWN IS TO BE ACHIEVED BY EPOXY-GROUTING 1/M12 THREADED ROD (300mm EMBED) INTO SOUND ROCK AND ATTACHING THROUGH THE FLANGE OF THE CHASSIS BEAM.
9. WHERE THE FOOTING OF AN ISOLATED COLUMN CANNOT REACH THE SPECIFIED DEPTH DUE TO ROCK STRATA, THE SIZE OF THAT FOOTING MAY BE INCREASED TO PROVIDE THE EQUIVALENT VOLUME OF CONCRETE.
10. THESE FOOTING DETAILS COMPLY WITH ALL THE REQUIREMENTS OF AS2870 'RESIDENTIAL SLABS AND FOOTINGS'.

- \* WHERE PIER DEPTH HEIGHT EXCEEDS 1000mm,  
USE STEEL COLUMNS OR AS APPROVED
- \* DETAIL FOR SOIL CLASS 'S' & 'M' SITES.
- \* FOR SOIL CLASS 'H' SITES, PROVIDE FOOTING USING  
20MPa MASS CONCRETE - 450x450x1000 DEEP.

## DRY-STACKED PIER & TIEDOWN DETAIL

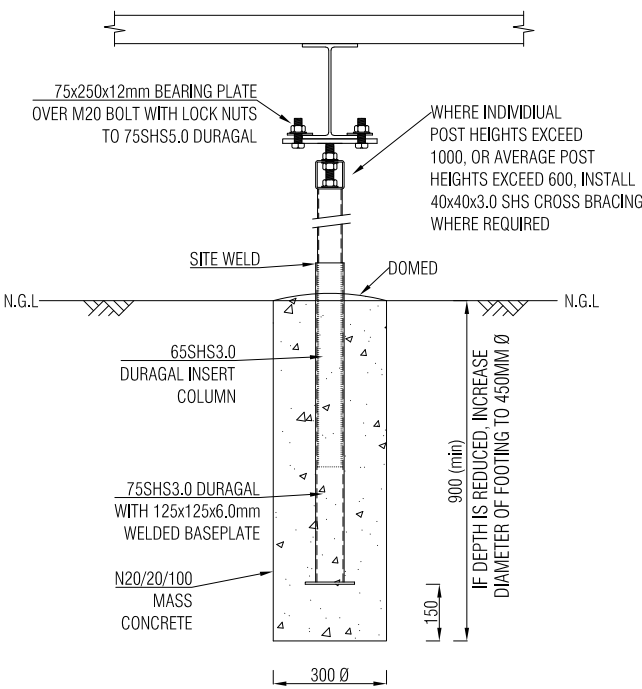
N.T.S

3000 PIER REINFORCEMENT TABLE			
SITE CLASSIFICATION	PIER DEPTH (mm)		
	0 -2000	2000 - 3000	3000 - 4000
S - M	N/A	N/A	2/N12
H1	N/A	N/A	3/N12
H2	N/A	N/A	4/N12
P - E	N/A	N/A	6/N12

A cross-sectional diagram of a pile cap. At the top, two vertical timber posts are labeled "89x89 TIMBER POSTS". Below them, horizontal reinforcement is labeled "GALVANISED STIRRUPS WITH 2/M12 CHEMSET (75mm embedment)". A horizontal line indicates the "N.G.L." (Natural Ground Level). The pile cap itself is a trapezoidal shape with a top width of 300 Ø and a bottom width of 300 Ø. The height of the cap is 350. A vertical dimension of 50 nominal is shown for the upper section. A "FALL" arrow points downwards on the right side. The bottom of the cap is labeled "CONSISTENT NATURAL STRATA". The material is labeled "N20/20/100 MASS CONCRETE".

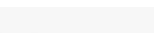
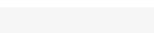

## STEEL POST DETAIL

N.T.S



## ADJUSTABLE STEEL POST DETAIL

N.T.S

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APPROVED		 2 OCT 2022		TITLE Typical Beam & Footing Layout with Details										
RPEQ 6715				DRAWING NUMBER			REV							
REVIEWED				22-28180-S01			-							
DESIGNED RAB		OCT 2022												
DRAWN GAB		OCT 2022												
SCALE AS SHOWN														
ORIGINAL DRAWING SIZE at A3														
-	PRELIMINARY FOR CLIENTS APPROVAL	GAB	OCT 2022											
REV	DESCRIPTION	BY	DATE	DRAWING NAME	TITLE									