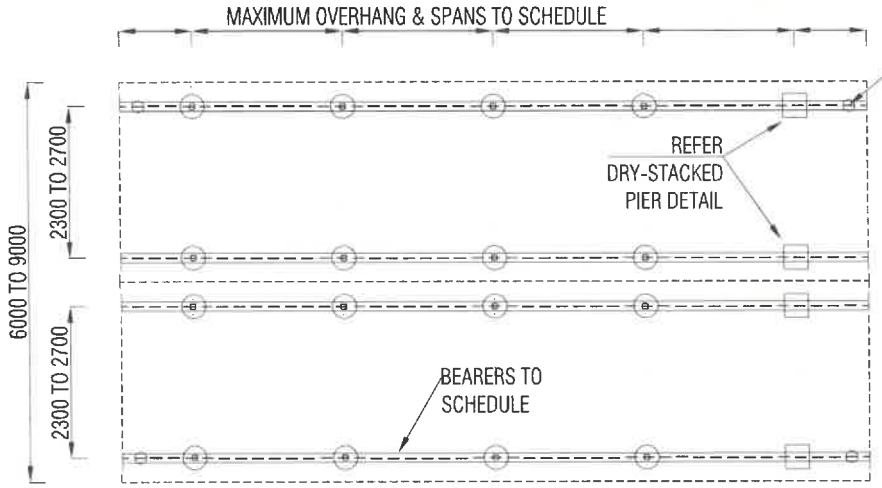
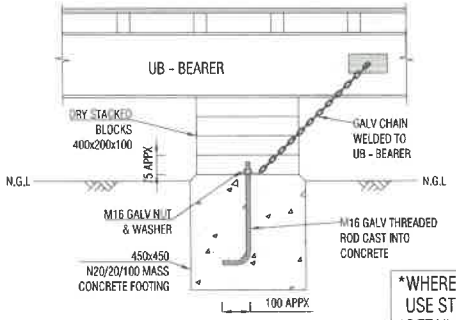


BEAM & FOOTING LAYOUT

N.T.S

ENGINEERS NOTES:

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 NATA 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'.



DRY-STACKED PIER & TIEDOWN DETAIL

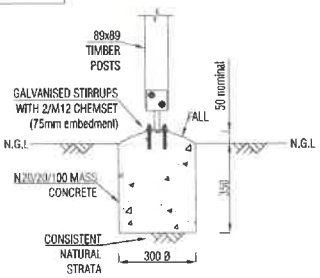
N.T.S

*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.

BEARER SPAN TABLE				
LENGTH OF BUILDING (max)	BEARER SECTION	STEEL COLUMNS (GALV)		NUMBER OF TIEDOWNS EACH BEARER
		SPAN (max)	OVERHANG (max)	
12.6m	200 UB 22	3.40m	1.2m	3
12.6m - 15.0m	250 UB 25	3.75m	1.5m	4
15.0m - 18.0m	250 UB 31	3.75m	1.5m	5

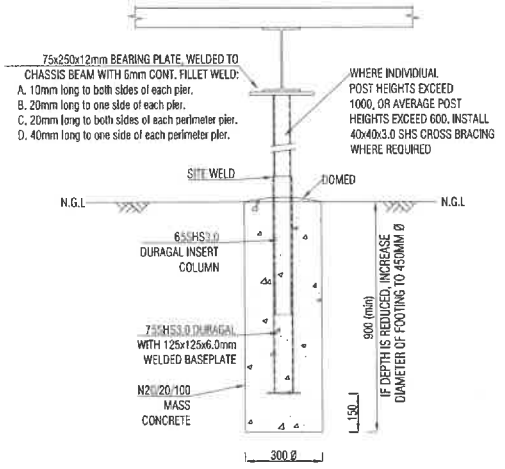
300Ø PIER REINFORCEMENT TABLE			
SITE CLASSIFICATION	PIER DEPTH (mm)		
	0 -2000	2000 - 3000	3000 - 4000
S - M	N/A	N/A	2/N12
H1	N/A	N/A	3/N12
H2	N/A	N/A	4/N12
P - E	N/A	N/A	6/N12

IF PIER DEPTH EXCEEDS 4000, THE ENGINEER OR BUILDING SUPERVISOR IS TO BE CONTACTED IMMEDIATELY.



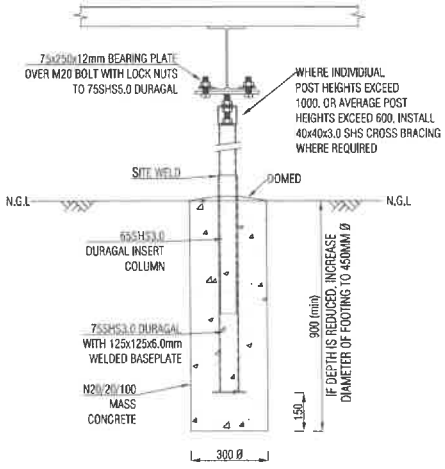
PAD FOOTING DETAIL

N.T.S



STEEL POST DETAIL

N.T.S



ADJUSTABLE STEEL POST DETAIL

N.T.S

DRAWING REVISIONS				REFERENCE DRAWINGS	
-	PRELIMINARY FOR CLIENTS APPROVAL	GAB	OCT 2022		
REV	DESCRIPTION	BY	DATE	DRAWING NAME	TITLE

APPROVED	[redacted]	
RPEQ	6715	
REVIEWED		
DESIGNED	RAB	OCT 2022
DRAWN	GAB	OCT 2022
SCALE	AS SHOWN	

ORIGINAL DRAWING SIZE at A3

CLIENT

manor BUILT FOR LIVING.

PROJECT: Proposed Residence - Generic

TITLE: Typical Beam & Footing Layout with Details

DRAWING NUMBER	REV
22-28180-S01	-