

ENGINEERS NOTES:

*WHERE PIER DEPTH HEIGHT EXCEEDS 1000mm,

20MPa MASS CONCRETE - 450x450x1000 DEEP.

USE STEEL COLUMNS OR AS APPROVED
*DETAIL FOR SOIL CLASS 'S' & 'M' SITES.
*FOR SOIL CLASS 'H' SITES, PROVIDE FOOTING USING

- THIS SET OF DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
- ALL SET OUT DIMENSIONS ARE TO BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS UNLESS SPECIFIC DIMENSIONS ARE GIVEN ON THE ENGINEERING DRAWINGS.
- THESE DRAWINGS SHOULD NOT BE SCALED.
- 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 REDUEST.
- DETAILS SUTAIBLE FOR 'N3' WIND CLASSIFICATION TO AS1170.2 (TERRAIN CATEGORY 2).
- USE ADJUSTABLE POST HEADS FOR 'H' AND/OR 'P' CLASS SITES.
- ANT CAPS ARE NOT REQUIRED FOR THIS DETAIL
- 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 FLANCE OF THE CHASSIS BEAM.
- 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.
- 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.

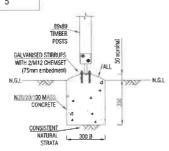
BEAM & FOOTING LAYOUT

NT S

	BI	EARER SPAN TA	BLE	
LENGTH OF	BEARER	STEEL COL	NUMBER OF	
BUILDING (max)	SECTION	SPAN (max)	OVERHANG (max)	TIEDOWNS EACH BEARER
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

30	0Ø PIER REINF	ORCEMENT TABL	E		
SITE	PIER DEPTH (mm)				
CLASSIFICATION	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

75x250x12mm BEARING PLATE, WELDED TO CHASSIS BEAM WITH form DOMT, FILLET WILD A. 10mm long to both sides of each pier. B. 20mm long to be side of each pier. C. 20mm long to both sides of each perimeter pier. C. 20mm long to both sides of each perimeter pier. D. 40mm long to one side of each perimeter pier.	7		POST HE 1000, 05 HEIGHTS 40x40x3	INDIVIDIUAL IGHTS EXCEED A AVERAGE POST SECED 600, INSTALL .0 SHS CROSS BRACING REQUIRED
N.G.L 635HS10 DURACAL INSERT COLUMN 735H530 DURACAL WITH 125H25x6.0mm WELDED BASEPLATE		4	MOREAGE	DIAMETER OF FOOTING TO 450AM Ø
N2U/20/100 MASS CONCRETE	• 4		150	DIAN
	300	0.00		

GALV CHAIN

WELDED TO

UB - BEARER

M16 GALV THREADED

ROD CAST INTO

CONCRETE

100 APPX

UB - BEARER

ORY STACKED

400x200x100

BLOCKS

M16 GALV NUT

N20/20/100 MASS

CONCRETE FOOTING

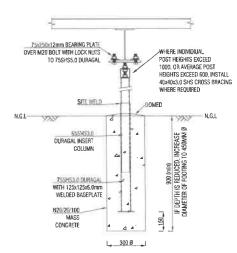
& WASHER

450x450

DRY-STACKED PIER

& TIEDOWN DETAIL

STEEL POST DETAIL



ADJUSTABLE STEEL POST DETAIL

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	6/15	RPEQ				-	_		_
		REVIEWED	OR IM PART OR TO BE USED ON ANY PROJECT						
OCT 20	RAB		WITHOUT THE WRITTEN						
OCT 203	GAB	DRAWN							
WN	AS SHO	SCALE				OCT 2022	GAB	PRELIMINARY FOR CLIENTS APPROVAL	-
3 SIZE at A3	VAL DRAWING	ORIGIN	THESE DRAWINGS.	TITLE	DRAWING NAME	DATE	BY	DESCRIPTION	REV



PROJECT	Proposed Residence - Generic	
TITLE	Typical Beam & Footing Layout with Details	
DRAWING	NUMBER	REV
	22-28180-S01	-