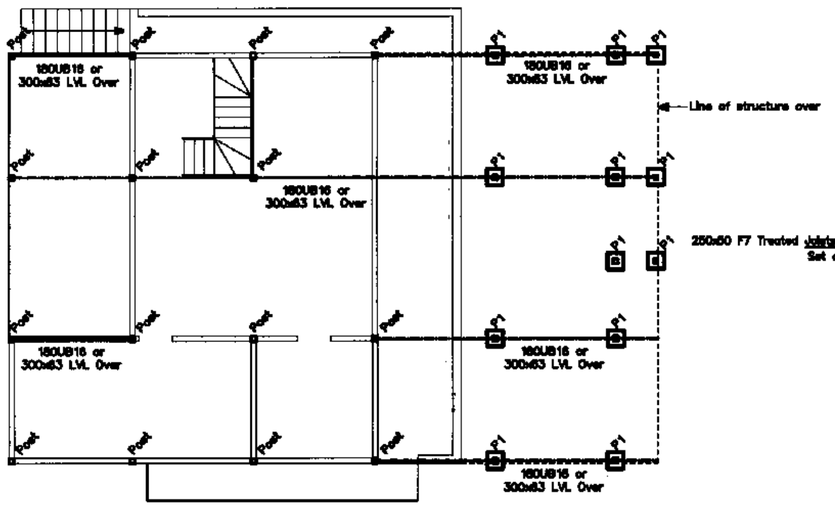
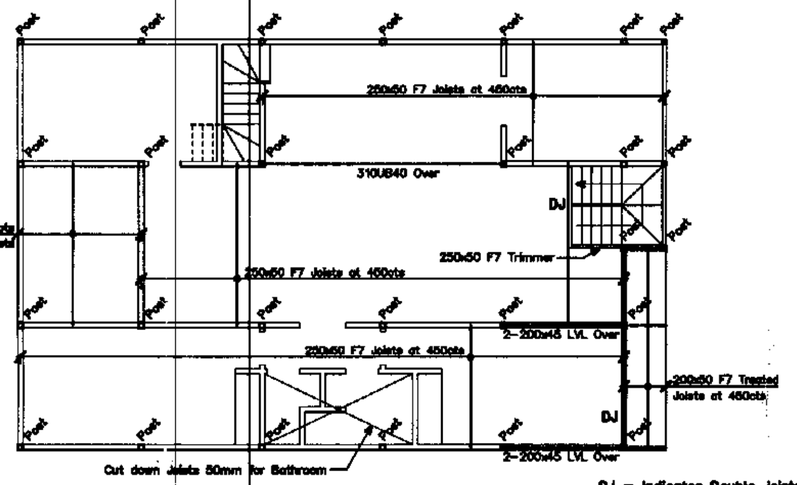


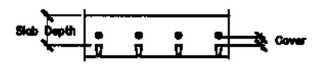
FOOTING / LOWER GROUND MARKING PLAN
Scale 1:100



GROUND FLOOR MARKING PLAN
Scale 1:100

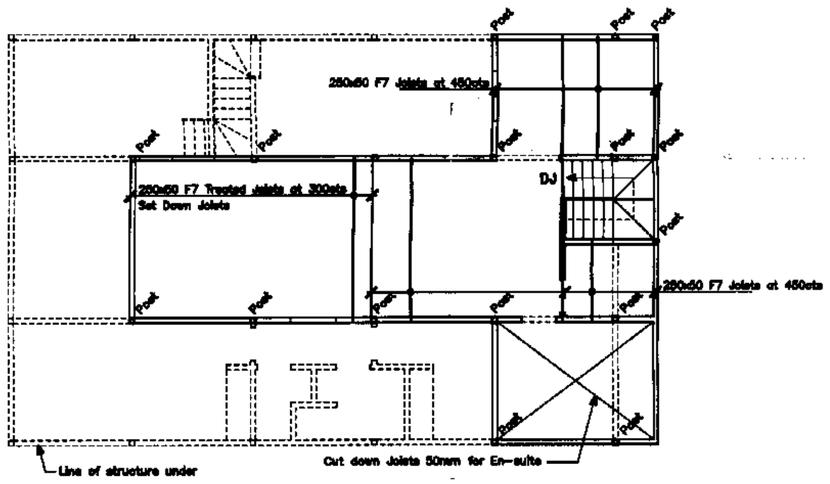
DJ = Indicates Double Joists

CONCRETE NOTES.
1. All concrete work to be in accordance with AS 3600.
2. F'c = 40 MPa for All external slabs & columns.
   = 25 MPa for slabs, piers and beams.
   = 20 MPa for block filling and footings.
3. Maximum aggregate size = 20 for footings,slabs & beams.
   = 10 for block filling.
4. Slump = 80.
5. All concrete, including block filling,to be vibrated.
6. Slabs to be kept damp for at least 14 days after placing or to be protected by an approved curing membrane.
7. Bar Chairs to be no more than 800mm ctr to ctr spacing.
8. Reinforcing Steel to comply with AS/NZS 4671:2001, and to be D500N unless noted otherwise. (where 500 = strength grade in megapascals & N = Normal ductility class)
9. Reinforcement to be tied at every other intersection minimum.

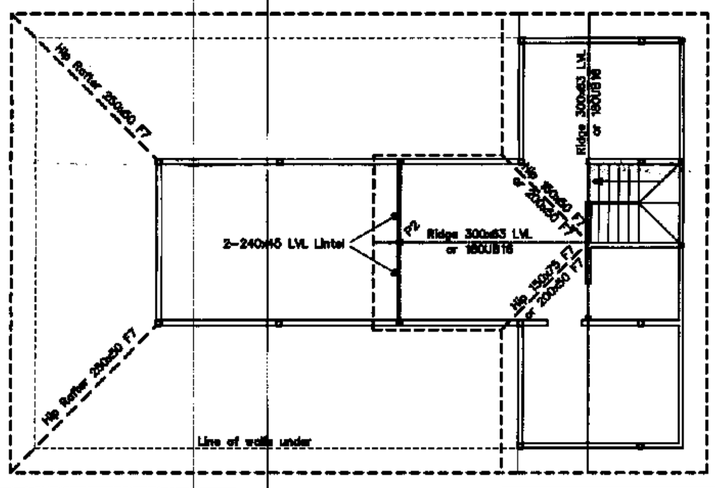


STEELWORK NOTES
1. Fabricate and erect all structural steelwork in accordance with AS 4100, AS 1554 and the Specification.
2. Do not obtain dimensions by scaling the structural elements.
3. Chip all welds free of slag.
4. All steelwork to be Hot Dipped Galvanised. Unless Otherwise Noted.
5. Unless otherwise noted use
   a) 6mm continuous fillet weld
   b) 10mm thick gusset, fin and end plates, weld all round.
   c) 16mm dia. 4.9/s bolts
6. Minimum end bearing 150mm.

TIMBER NOTES :
1. All work (including bracing, wind bracing & tie downs) shall be carried out in accordance with AS 1684.2,AS 1720.1 & the specification.
2. Refer to the Architects Drawings and the specification for all timber sizes not shown on these drawings.
3. All timber shall be free of Gum veins, pockets, knots holes or splits within 250mm of any connection.
4. Refer to specification for preservatives and finishes to timbers.
5. All bolts, nuts, washers and timber connectors shall be hot dip galvanised unless noted otherwise.

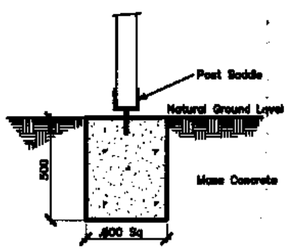


UPPER FLOOR MARKING PLAN
Scale 1:100

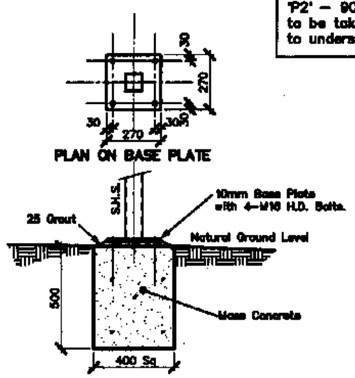


ROOF MARKING PLAN
Scale 1:100

Note:
Posts to be taken off existing slab or new footings, as shown below.



PAD FOOTING DETAIL – 'P1'
Scale 1:20



PLAN ON BASE PLATE

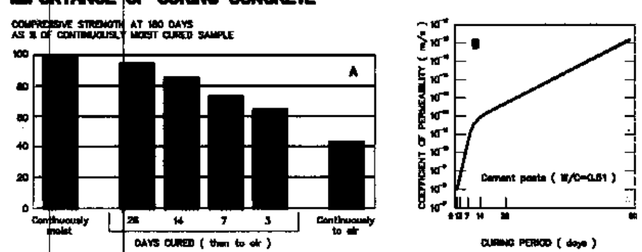
PAD FOOTING DETAIL – 'P1'
Scale 1:20

Note:
'P2' – 90x90 F7 Timber Post to be taken from top of Lintel to underside of Ridge.

Note:
All Posts to be 89x89x5.0 S.H.S. or 90x90 F7 Treated Timber .

All Rafters 150x50 F7 at 600cts.

IMPORTANCE OF CURING CONCRETE



Effect of curing duration on : (A) compressive strength; and (B) concrete permeability

Acknowledgement : Diagram is based on fig 1.2 of Guide to Concrete Repair & Protection (SAA/HB84:1996)

PLAN OR DOCUMENT CERTIFICATION

I am a qualified....CIVIL, GEOTECHNICAL & STRUCTURAL ENGINEER...
I hold the following qualifications or licence No.....M.Eng.Sc.....
.....F.I.E.Aust....Nper3....Struct.Civil.No.149788.....
Further I am appropriately qualified to certify this component of the project.
I hereby state that these plans or details comply with the conditions of development consent, the provisions of the Building Code of Australia.
A.S.1170., A.S.1170.1, A.S.1170.2, A.S.1684., A.S.2870.1.,A.S.3600., A.S.3700 A.S.4100

Jack D. Hodgson 4/6/03 J Hodgson
Name Date Signature

No.	Amendment	Drwn	Date

STRUCTURAL PLANS AND DETAILS

PROPOSED ALTERATIONS AND ADDITIONS
1064 BARRENJOEY ROAD
PALM BEACH

MR. & MRS. WARWICK

The Structural Details shown on this Drawing are Not to change under any circumstance. No Certificate will be issued for work Not in accordance with this Drawing.

JACK HODGSON CONSULTANTS PTY. LIMITED.
Consulting Civil, Geotechnical, and Structural Engineers.
11 Bungan Street, MONA VALE. P.O. Box 388. Post Code 2103.
Telephone (02) 9979 6733. Facsimile (02) 9979 6926. A.C.N. 063 405 011

Designed	JDH	Drwn	ED	Job No.	Drawing No.
Checked	JDH	Scale	1:100,20 unc	20921	1
Date	2 JUNE 2003				