

GENERAL NOTES.

The drawings are to be read in conjunction with the Architectural drawings and the specification.

DO NOT SCALE. All dimensions are to be obtained from the Architect's drawings unless specifically shown otherwise. During construction the structure shall be maintained in a stable condition and no part shall be overstressed.

All workmanship and materials shall be in accordance with the requirements of the current editions, including the Building Code of Australia and the Building Code of Practice, the Building Code of Australia and the By-Laws and Policies of the Local Government Authority except as varied by the Contract Documents.

U.N.O. Design Live Loads are as follows: -
 Floor = 1.5 MPa
 Garage = 3.0MPa

FOUNDATION NOTES.

Foundations have been designed for an allowable bearing pressure of 200 kPa on **STIFF CLAY**.
 Foundation material shall be approved prior to construction proceeding.

DOMESTIC CONSTRUCTION.

Building system is shown in **Table A** of AS 2870 - "Performance Requirements and Foundation Maintenance".

CONCRETE NOTES.

U.N.O. Concrete is to have the following qualities: -
 F.c. = 20 MPa.
 Max. Aggregate size = 20 mm.
 Slump = 80 mm.
 Cement Type - A.

No additives are to be added to the concrete without the approval of the Engineer.
 Minimum lap to fabric sheets to be two cross wires plus 50 mm.

For rectangular fabric, place top fabric main wires (close to the top) and bottom fabric main wires (close to the bottom) aligned as shown.
 Reinforcement is represented diagrammatically it is not necessarily shown on true projection.

In determining the length of reinforcing bars the diameter of a rod to the closest set out line only, may be used.

Splices in reinforcement shall be made only in the main longitudinal bars and shall be staggered. Longitudinal rods and/or cross rods it shall be sufficient to develop the full strength of the reinforcement.

All rods in trimmer rod groups are to be the same length (only one rod is shown full length on plan).
 Space rods at approximately 75 mm centres.
 All concrete sizes shown are minimum and do not include thickness of applied finishes.

Do not make unspecified construction joints without the approval of the Engineer.
 Do not place conduits, pipes, etc., within the concrete cover.

U.N.O. suspended floors, beams, etc., are to remain propped for a minimum of 21 days after the completion of pouring.

Do not construct masonry on suspended slabs or beams until all props have been removed.
 Vapor barrier to be 0.2 mm minimum thickness polyurethane (tapped a minimum of 200 mm and lapped at all joints and around all plumbing fittings).

All cast control and termite protection to be the Builders responsibility, and in accordance with Local Government Authority requirements.

CONCRETE COVERS.

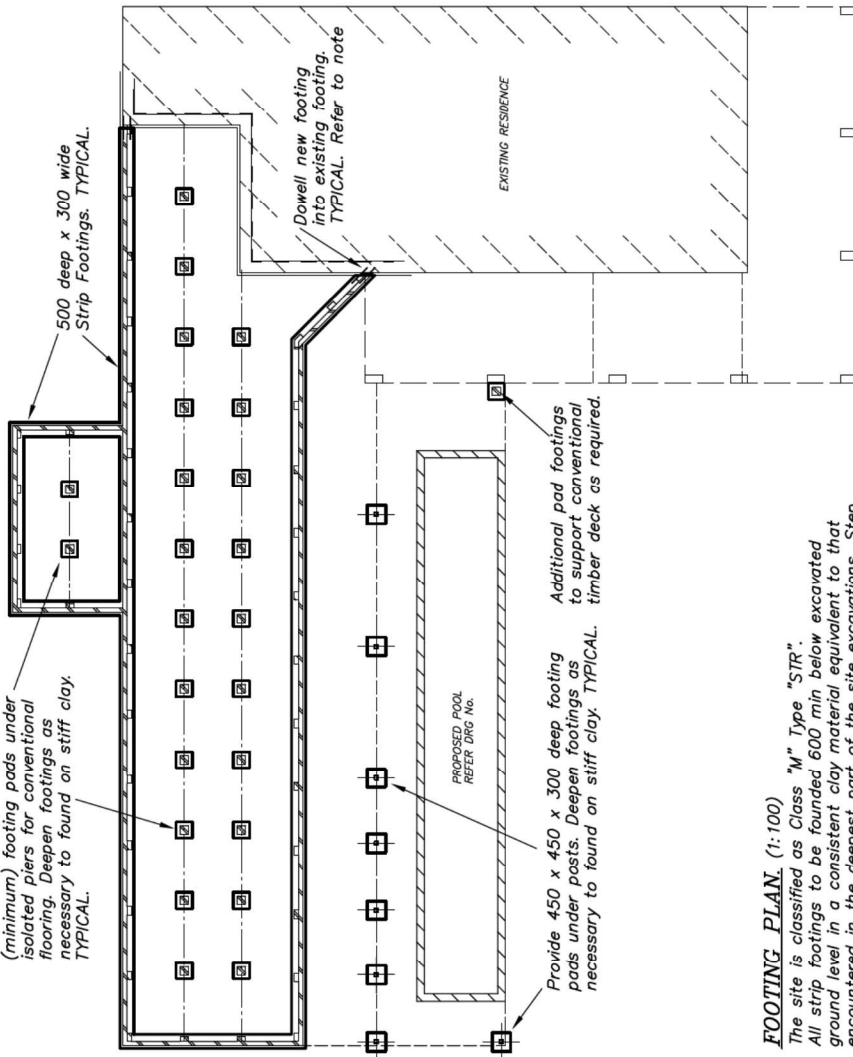
It is important that all reinforcement be kept in correct position during concrete placement. Provide sufficient supports under reinforcement to achieve correct covers as noted on these details. - 600 maximum centres each way. Remainder - 800 maximum centres each way.
ALL DIMENSIONS ARE IN MILLIMETRES
IF IN DOUBT - ASK.

Refer to *Drig No 2 for Details.*

DESIGN WIND CATEGORY - (N1)
 A.S.4055-2006 Wind Loads for Housing.
 REGION A.

PIERING REQUIREMENTS.

Piers are not indicated on Plan, determine extent and requirements on site at time of excavation.
 Piers are required to all footings to maintain a consistent foundation material throughout.
 Provide 400 diameter piers at 2000 maximum centres. Bass of pier holes to be clean and firm prior to pouring concrete, all loose material to be removed.



DOMEL REQUIREMENTS.

Provide 4N12 dowels (2 top, 2 bottom) x 600 long at junction with existing footing. Drill and epoxy grout 300 into existing footing beam. Use "EPIREZ 633" non sag epoxy mortar binder, or an approved equivalent.

FOOTING REQUIREMENTS.

The footing must be inspected by the engineer during the course of the excavations, unless Geotechnical Engineers have been engaged for foundation inspections.

FOOTING PLAN. (1:100)

The site is classified as Class "M" Type "STR".
 All strip footings to be founded 600 min below excavated ground level in a consistent clay material equivalent to that encountered in the deepest part of the site excavations. Strip footings in brick courses to suit falls in natural ground and to maintain a consistent foundation material throughout. Reinforcement to be carried across full width of adjoining footings at all corners and intersections. Provide additional 4N12 Z-bars vertical (450 long legs top and bottom), with R8 ties at 300 crs to all footing steps of 450 and greater.

CLIENT: D & J Holland

PROJECT: Proposed Alterations and Additions at

SITE: Lot 12 (229) Tumbi Road, TUMBI UMBI

TITLE: FOOTING PLAN

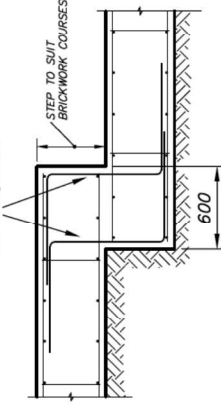
APPROVED: [Signature]
 SCALES: 1:100
 DATE: 15.2.12
 DRAWN: D.A.M.
 DESIGN: S.J.E.

0 1 2 3 4 5 6 7 8
 Metres - Scales Indicated Accurate if Printed on A2.

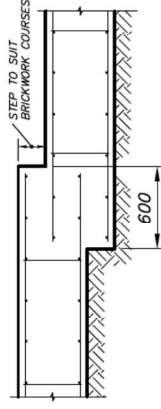
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JOB NUMBER: 1202006
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 DRG NO: 10f5
 REVISION:

Provide additional 4N12 Z-bars vertical (450 long legs top and bottom) with R8 ties at 300 max centres, to all footing steps of 450 and greater.

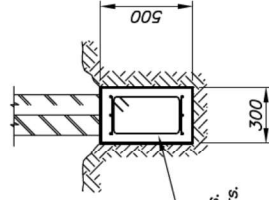


FOOTING STEP OVER 450mm



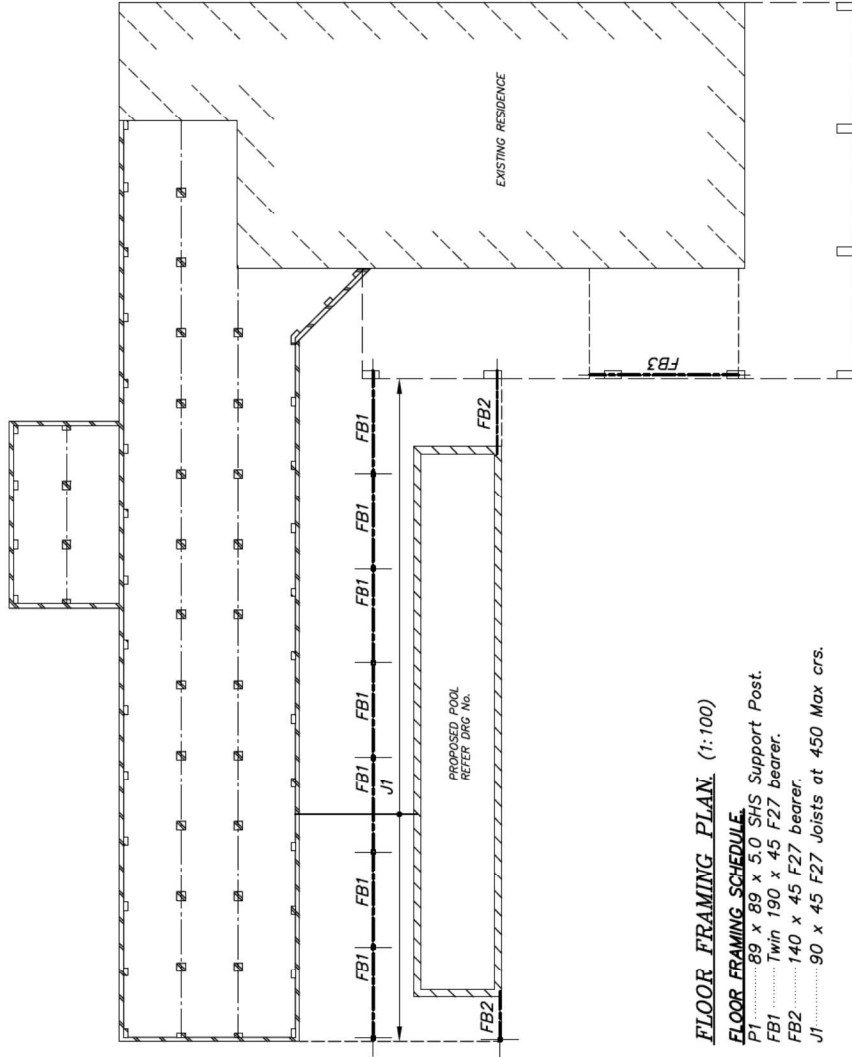
FOOTING STEP UNDER 450mm

TYPICAL STEP IN STRIP FOOTING



3-L117M trench mesh top and bottom.
Lap 450 min at splices.
R8 ties at 750 max crs.
50 cover all around.
TYPICAL.

A-STRIP FOOTING. (1:20)



FLOOR FRAMING PLAN. (1:100)

FLOOR FRAMING SCHEDULE.

- P1 89 x 89 x 5.0 SHS Support Post.
- FB1 Twin 190 x 45 F27 bearer.
- FB2 140 x 45 F27 bearer.
- J1 90 x 45 F27 Joists at 450 Max crs.



Metres - Scales Indicated Accurate if Printed on A2

Refer to Drg No 1 for General Notes.

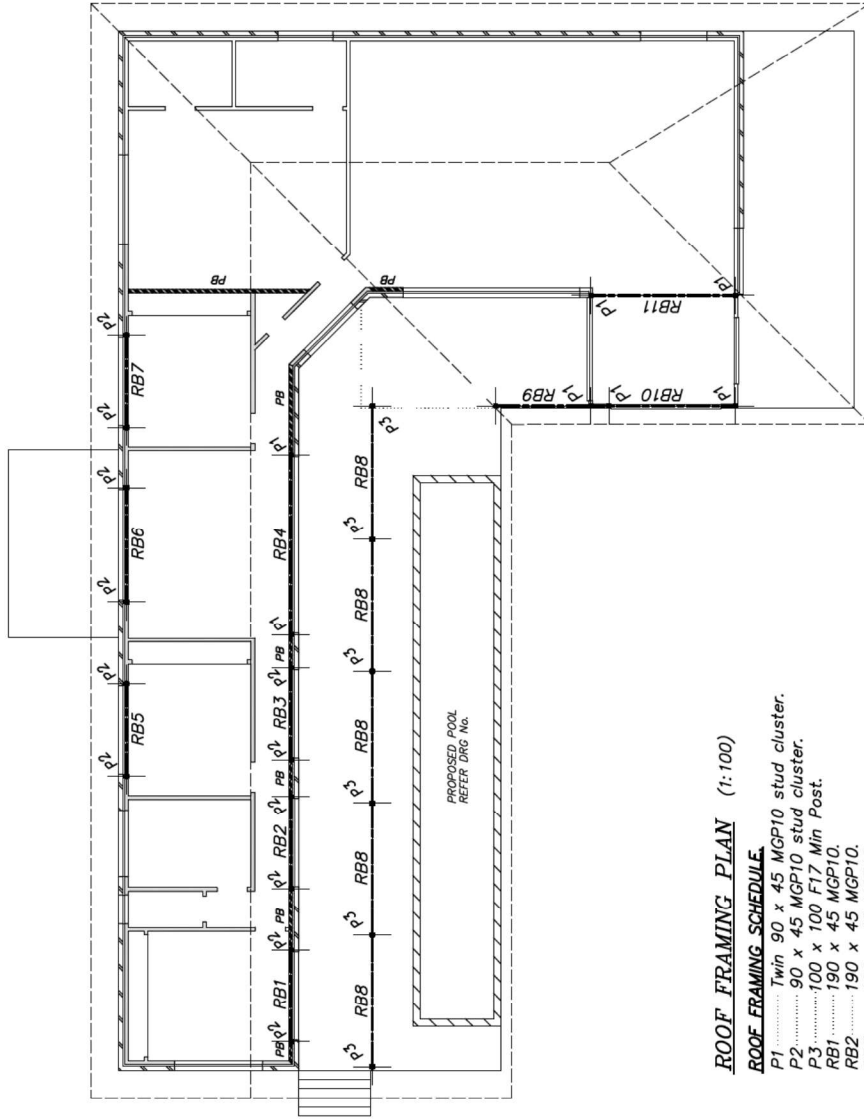
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CLIENT: D & J Holland
PROJECT: Proposed Alterations and Additions at
SITE: Lot 12 (229) Tumbi Road, TUMBI UMBI
TITLE: SUB-FLOOR FRAMING & DETAILS

APPROVED: [Signature]
1:100 1:20
DATE: 15.2.12
DRAWN: D.A.M.
DESIGN: S.J.E.

JOB NUMBER: 1202006
CONSULTING NUMBER: A.C.N. 002 823 188
DRG NO: 20f5
REVISION:

A2
ORIGINAL SHEET SIZE.

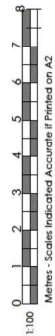


ROOF FRAMING PLAN (1:100)

ROOF FRAMING SCHEDULE

- P1 Twin 90 x 45 MGP10 stud cluster.
 - P2 90 x 45 MGP10 stud cluster.
 - P3 100 x 100 F17 Min Post.
 - RB1 190 x 45 MGP10.
 - RB2 190 x 45 MGP10.
 - RB3 190 x 45 MGP10.
 - RB4 360 x 63 'Hyspan' LVL.
 - RB5 190 x 45 MGP10.
 - RB6 Twin 190 x 45 MGP10.
 - RB7 190 x 45 MGP10.
 - RB8 Twin 240 x 35 F27 or Twin 240 x 45 Hyspan LVL or 300 x 63 Hyspan LVL or Twin 290 x 35 MGP10.
 - RB9 190 x 45 MGP10.
 - RB10 200 x 63 Hyspan LVL or 240 x 45 Hyspan LVL.
 - RB11 300 x 63 Hyspan LVL or 180 PFC.
 - PB Ply Brace Panel. Refer to AS1684 table 8.18 (n) Type D.
- All other bracing not indicated on plan in accordance with AS1684.

PLY BRACED WALLS.
Plywood Braced walls denoted on Plan thus - ~~-----~~ PB



A2
ORIGINAL SHEET SIZE.

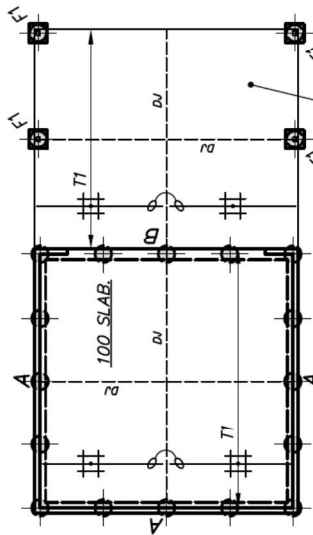
DESIGN:	S.J.E.
DRAWN:	D.A.M.
DATE:	15.2.12
SCALE:	1:100
APPROVED:	
CLIENT:	D & J Holland
PROJECT:	Proposed Alterations and Additions at
SITE:	Lot 12 (229) Tumbi Road, TUMBI UMBI
TITLE:	ROOF FRAMING PLAN

Refer to Drg No 1 for General Notes.

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DRG NO: **3of5**
REVISION:



100 THICK PAVING SLAB
Poured separately.

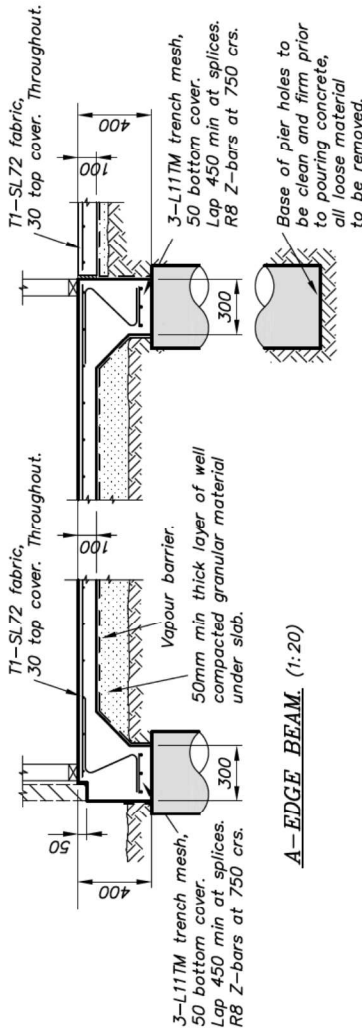
GARAGE & CARPORT SLAB PLAN (1:100)

FOOTING & RETAINING WALL SCHEDULE

- A 400 deep x 300 wide Recessed Edge Beam.
- B 400 deep x 300 wide Edge Beam.
- F1 Provide 500 x 500 x 300 deep footing pad under Post. Deepen footing as necessary to found on stiff clay.

PIERING REQUIREMENTS.

Piers are required to footings as necessary, to achieve a consistent stiff clay foundation material throughout. Provide 450mm diameter piers at 2000 maximum centres to suit. Base of pier holes to be clean and firm prior to pouring concrete, all loose material to be removed.



A-EDGE BEAM (1:20)

B-EDGE BEAM (1:20)



A2
ORIGINAL SHEET SIZE.

DESIGN: S.J.E.

DRAWN: D.A.M.

DATE: 15.2.12

SCALES: 1:100 1:20

APPROVED:

CLIENT: D & J Holland
PROJECT: Proposed Alterations and Additions at
SITE: Lot 12 (229) Tumbi Road, TUMBI UMBI
TITLE: GARAGE PLANS & DETAILS

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