
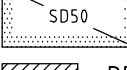
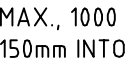

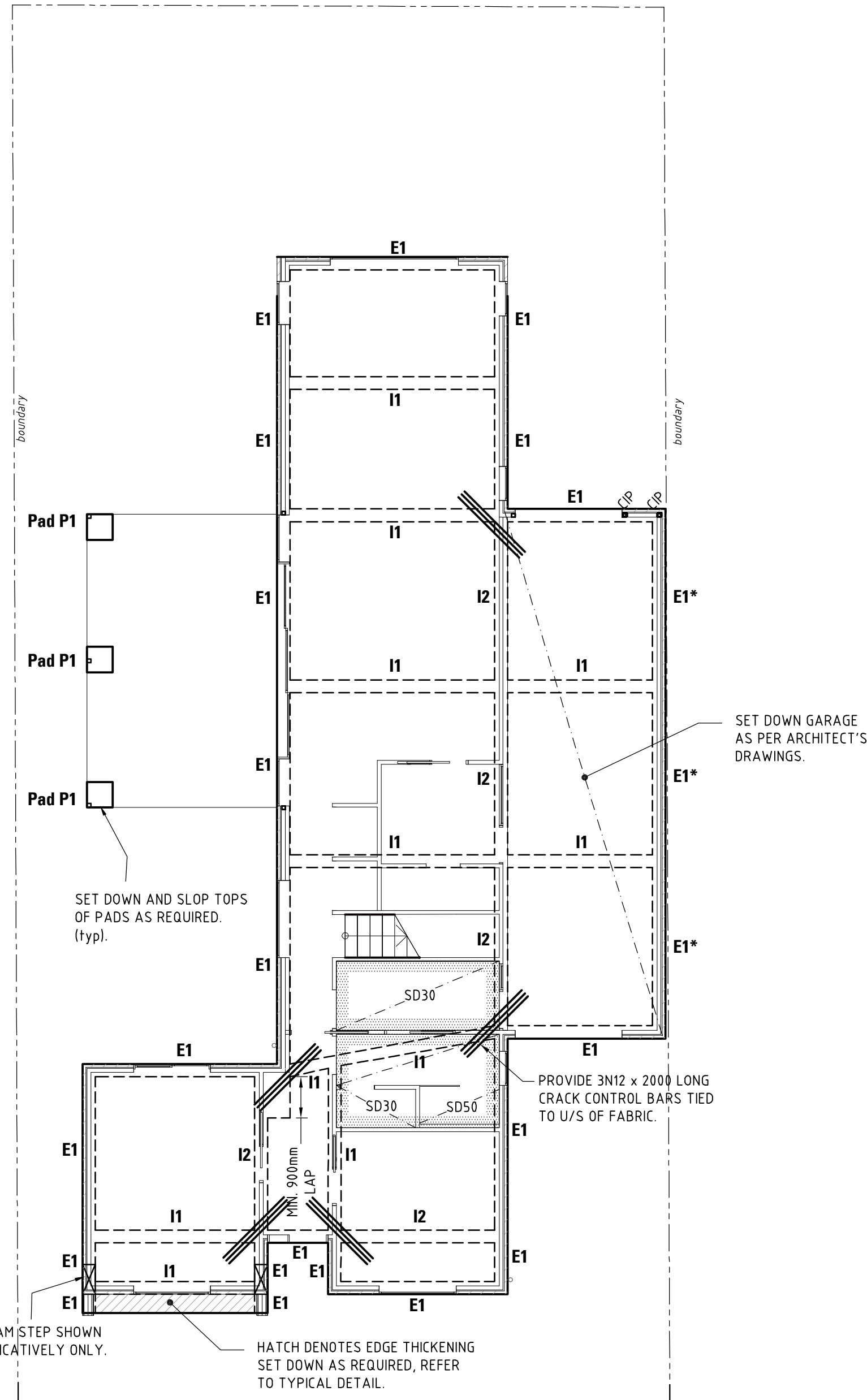


FOOTING NOTES

- F1** MINIMUM STRENGTH OF CONCRETE: $F'_{c} \geq 25 \text{ MPa}$
 $F'_{c} \geq 32 \text{ MPa}$ (EXTERNAL)
- F2** COVER TO REINFORCEMENT:
SLAB: 20mm TOP
SLAB: 30mm TOP (EXTERNAL)
BEAMS: 40mm ALL ROUND
STRIP: 65mm ALL ROUND
- F3** MINIMUM LAP OF REINFORCEMENT:
FABRIC: 2 CROSSWIRES + 25mm
N12 BARS: 600mm
N16 BARS: 800mm
- F4** WHERE THE DEPTH OF UNDER SLAB FILL EXCEEDS 300mm & NOT COMPACTED TO SPECIFICATION, INCREASE SLAB THICKNESS BY 30mm AND ADD SL72 BTM. PROVIDE BACKHOE PIERS TO ALL FOOTINGS AS PER THE DETAIL PROVIDED IN THE FOOTING CONSTRUCTION REPORT.
- F5** FOOTINGS ON BOUNDARY ARE TO BE FOUNDED 600mm BELOW ADJACENT GROUND LEVEL.
- F6** FOOTINGS MUST BE FOUNDED A MINIMUM OF 150mm INTO FIRM NATURAL GROUND, HENCE DEEPER FOOTINGS MAY BE REQUIRED.
- F7** REBATE- REFER ARCHITECTS DETAILS.
- F8** RAMP 10mm TO ROLLER DOOR OPENINGS.
- F9**  INDICATES 30mm WET AREA SET DOWN.
- F10**  INDICATES 50mm SET DOWN TO SHOWER.
- F11**  DENOTES BACKHOE TRENCHED PIERS AT 3000 CTS. MAX., 1000 LONG x FOOTING WIDTH WIDE. PIERS TO BE FOUNDED 150mm INTO NATURAL SOIL. WHERE THE PIER DEPTH EXCEEDS 500mm PROVIDE 4N16 VERTICAL & DECREASE LIGATURE SPACING TO 300 CTS., BETWEEN PIERS
- F12**  DENOTES BEAM STEP AS DETAILED IN FOOTING CONSTRUCTION REPORT TO STEP FOOTING TO SUIT.
- F13** CAST-IN HYDRONIC HEATING PIPES, IF USED ARE TO BE LAID ON A SACRIFICIAL LAYER OF SL72 FABRIC, IN THE CENTRE OF THE SLAB. INCREASE THE SLAB THICKNESS BY 25mm TO ACCOMMODATE.
- NOTE: IT IS NOT ACCEPTABLE TO LAY HYDRONIC HEATING PIPES DIRECTLY ON TOP OF THE TOP FABRIC.
- F14** WHERE A POLISHED FINISH IS REQUIRED: INCREASE THE SLAB THICKNESS BY 10mm, INCREASE CONCRETE COVER TO 30mm, AND INCREASE THE CONCRETE STRENGTH TO 32MPa.



FOOTING LAYOUT PLAN

SCALE 1:100

'CIP' - CAST-IN PLATE. REFER DRAWING S03.

FOOTING SCHEDULE

SITE CLASSIFICATION: S/P (FILL, TREES, LOW BEARING STRENGTH, EXISTING DWELLING)
WIND CLASSIFICATION: N3 (AS4055-2012)
EARTHQUAKE CATEGORY: EDCII DOMESTIC STRUCTURE (AS1170.4-2007)

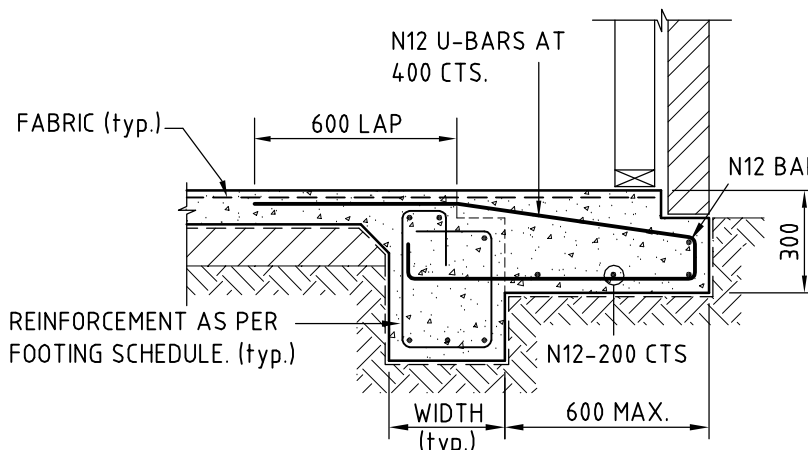
FOOTING	DEPTH	WIDTH	REINFORCEMENT	LIGATURES
E1*	450	350	2N16 TOP & 3N16 BTM	W8-800 CTS
I1	450	300	2N16 TOP & BTM	W8-800 CTS
I2	450	350	2N16 TOP & 3N16 BTM	W8-800 CTS
Pad P1	500	600x600	4N12 VERTICAL	
SLAB:	100 THK# SL92 TOP, U.N.O. (REFER FOOTING NOTES.)			

* REFER TO FOOTING NOTE F5, HENCE DEEPER FOOTINGS MAY BE REQUIRED.
REFER TO FOOTING NOTE F4 & FILL NOTE.

NOTE TO CONTRACTOR:

(EXISTING FILL)

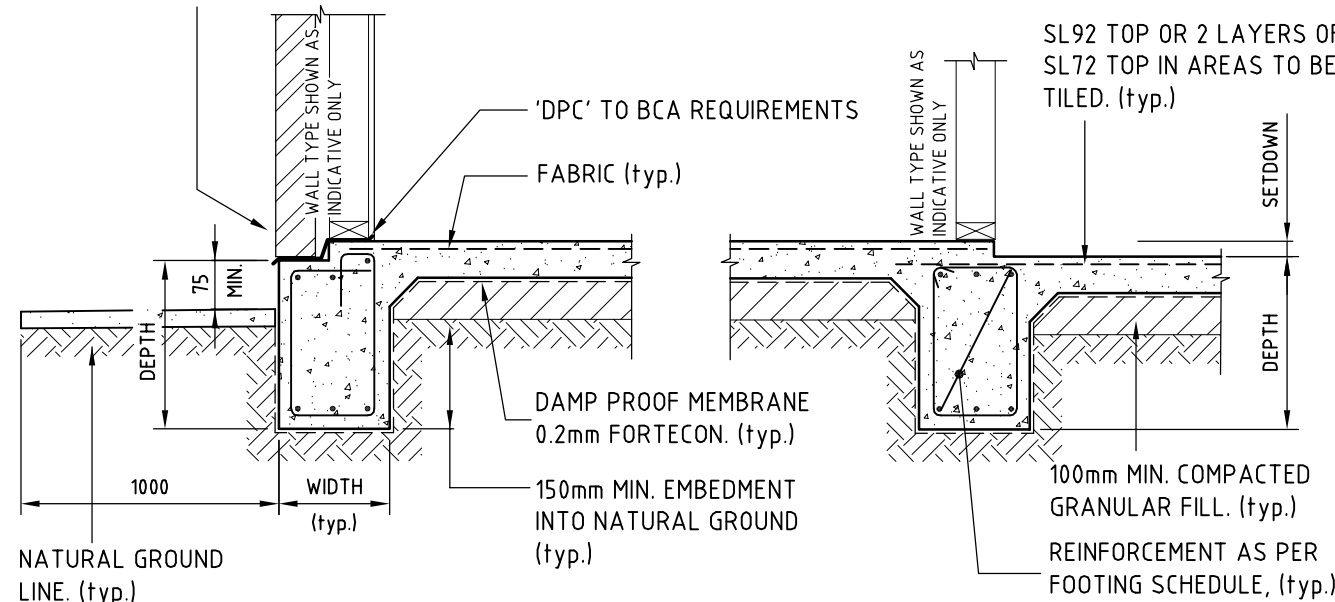
THE BORE LOGS INDICATE EXISTING FILL DEPTH OF 250mm AS WELL AS AN EXISTING DWELLING TO BE DEMOLISHED WITH THE POTENTIAL FOR UN-COMPACTED FILL. ALLOWANCE SHOULD BE MADE TO ADOPT FOOTING NOTE F4 & F11, TO BE CONFIRMED DURING TRENCHING STAGE.



TYPICAL EDGE THICKENING DETAIL

N.T.S.

REFER TO THE ARCHITECTURAL DRAWING FOR THE DEPTH OF REBATE, MAX DEPTH REBATE USING SQUARE LIGATURES IS 35mm. OTHERWISE PROVIDE SHAPED LIGATURES. REBATES GREATER THAN 100mm REFER TO DEEP REBATE DETAIL.



EXTERNAL RAFT FOOTING

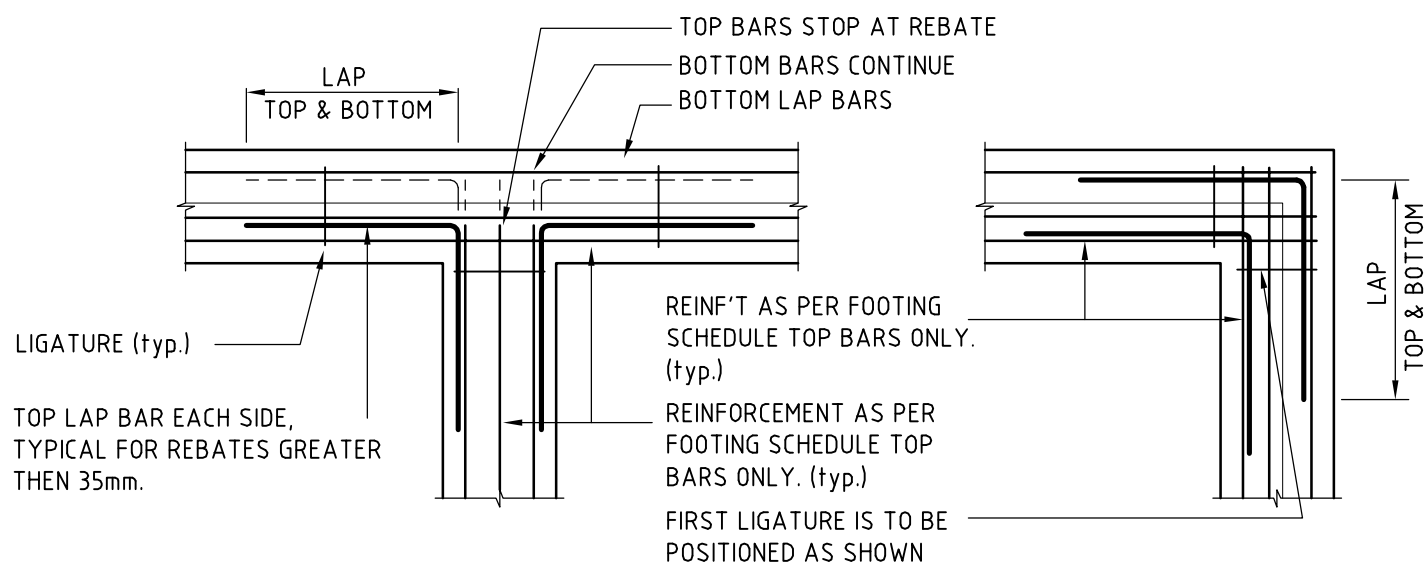
N.T.S.

INTERNAL RAFT FOOTING

N.T.S.

EXTERNAL T-INTERSECTION:
WHERE REBATE DEPTH IS LARGER THAN 35mm OR FOR STRIP FOOTINGS PROVIDE 2 LAP BARS TOP & BTM AS SHOWN WHERE REBATE DEPTH IS LESS THAN 35mm, EXTEND TOP & BTM INTERNAL BARS TO FULL EXTERNAL CAGE WIDTH.

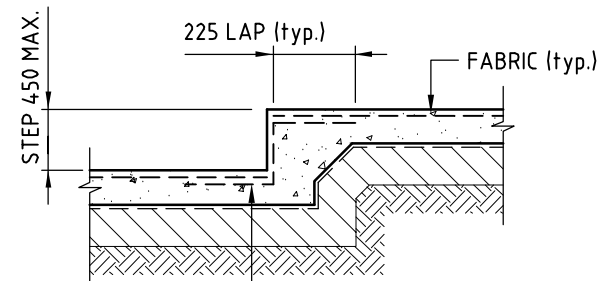
EXTERNAL CORNERS:
PROVIDE 1 CORNER LAP BAR TOP & BTM AS SHOWN TO ALL RAFT FOOTINGS WHERE REBATE DEPTH IS LARGER THAN 35mm OR FOR STRIP FOOTINGS PROVIDE 2 CORNER LAP BARS TOP & BTM AS SHOWN.



TYPICAL BEAM JUNCTION DETAILS

NOTES:

1. REINFORCING BARS ARE INDICATIVE ONLY.
2. REFER TO ARCHITECTURAL DRAWINGS FOR REBATE LOCATIONS & DEPTHS.

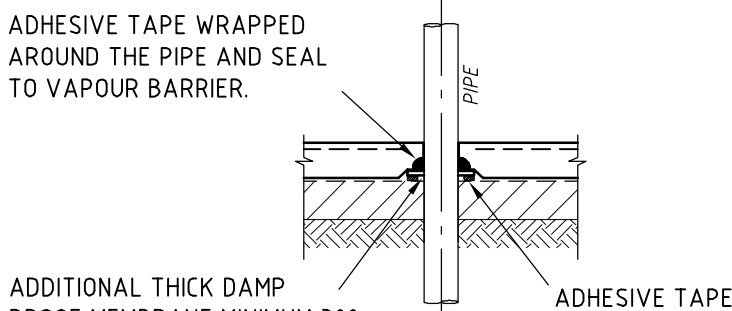


BEND & SHAPED FABRIC TO SUIT

FOR STEPS LESS THAN 450mm

SECTION THROUGH SLAB STEP

N.T.S.

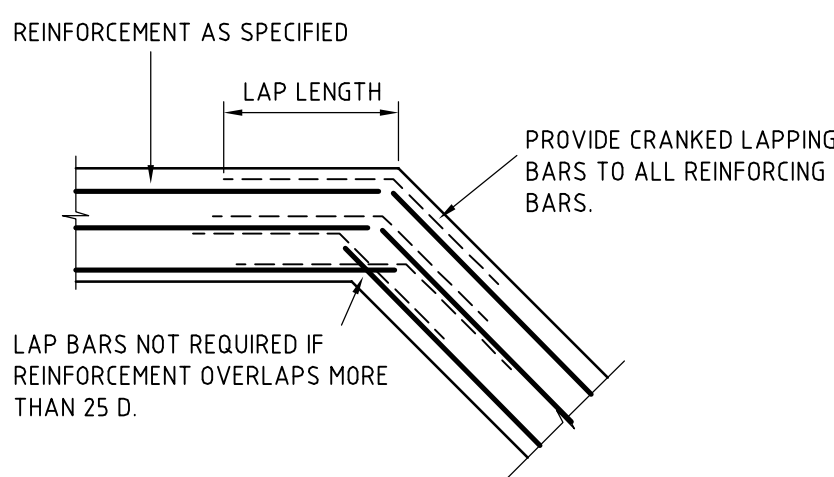


ADDITIONAL THICK DAMP PROOF MEMBRANE MINIMUM 300 SQ., CUT TO SUIT PIPE DIAMETER.

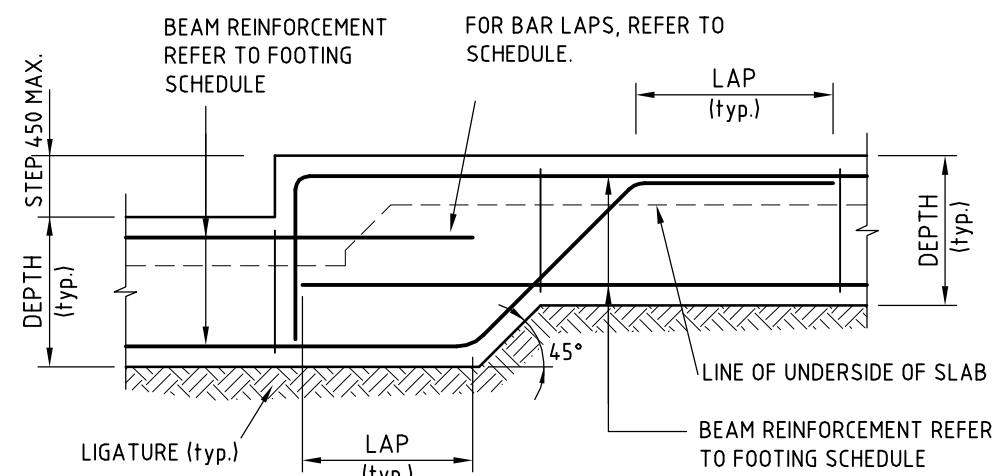
NOTE:
THE USE OF 'DENSO TAPE' IS RECOMMENDED

TYPICAL SECTION THROUGH SLAB PENETRATION

(N.T.S)



CRANKED FOOTING DETAILS STRIP OR RAFT



BEAM STEP DETAIL

FOR STEPS LESS THAN 450mm

N.T.S.

0 2500 5000 10000

SCALE 1:100 @A1

FOR CONSTRUCTION

PT Design Pty Ltd 141-149 Hould Street Adelaide SA 5000
T [08 8412 4300] E [ptdesign@ptdesign.net.au]

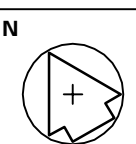
Designed JC	Drawn MD
Approved	Date
STRUCTURAL	Sheet 1 of 3

Project
**PROPOSED RESIDENCE
12 ANTHONY STREET
HENLEY BEACH,
SA 5022**

Client
M. ZANON & B. CLOVER

Drawing Title
**FOOTING PLAN
AND DETAILS**

Drawing Number
20316-S01



Scale
1:100

Issue
00

Name: 20316

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