

# PROPOSED SINGLE ST'Y DWELLING AT LOT 436 NO. 10 ALBERT CRT, BURNSIDE HEIGHTS FOR ABODE DESIGN & CONSTRUCT PTY LTD

**GENERAL NOTES:**

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER OR ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- G2. ALL DIMENSIONS ARE TO BE OBTAINED FROM WORKING DRAWINGS OR FROM SITE.

ENGINEERS DRAWINGS MUST NOT BE SCALED

- G3. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.
- G4. MATERIAL AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH RELEVANT CURRENT SAA CODES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- G5. THE APPROVAL OF SUBSTITUTION BY THE ENGINEER IS NOT AN AUTHORISATION FOR AN EXTRA. ANY EXTRAS INVOLVED MUST BE TAKEN UP WITH THE PRINCIPAL CONSULTANT OR SITE ENGINEER BEFORE WORK COMMENCES.
- G6. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LOADS:  
FLOOR 1.5 KPa  
ROOF .25 KPa
- G7. FOUNDATION MATERIAL TO BE APPROVED BEFORE POURING CONCRETE FOR A SAFE BEARING CAPACITY OF **150**.

**PREPARATION OF SUB-BASE FOR SLABS ON GROUND:**

- P1. CLEAR AREA UNDER SLAB OF ALL TOP SOIL CONTAINING HUMUS AND VEGETABLE MATTER 100 MIN. AND REMOVE FROM SITE.
- P2. CUT OR FILL UNDER SLAB TO PRODUCE REQUIRED FINISHED LEVELS AS SHOWN ON THE DRAWINGS. ALL FILL SHALL BE IMPORTED AND CONFORM TO R.C.A. STANDARD SPECIFICATION FOR CLASS 3 CRUSHED ROCK, (40mm NOMINL SIZE). FILL SHALL BE PLACED IN MAXIMUM 150mm LOOSE LAYERS AND COMPACTED TO 95% OF THE MODIFIED DRY DENSITY WHEN TESTED IN ACCORDANCE WITH A.S.1289.
- P3. THE UPPER LAYER OF THE BENCHED SURFACE SHALL BE WITHIN 85% TO 115% OF OPTIMUM MOISTURE CONTENT AND BE PROPERLY COMPACTED TO 90% MODIFIED MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH A.S.1289  
A BASE COURSE OF PACKING SAND SHALL BE SPREAD OVER THE SUB-BASE TO A THICKNESS OF 50mm AND THOROUGHLY ROLLED AND COMPACTED TO A SMOOTH, LEVEL SURFACE. THE LAYER SHALL BE MOISTENED PRIOR TO PLACEMENT OF THE MOISTURE BARRIER.  
A MOISTURE BARRIER OF 0.2mm ORANGE POLYTHENE MEMBRANE IN 3600 WIDE SHEETS LAPPED 150 AND JOINED WITH 75 WIDE PRESSURE SENSITIVE TAPE SHALL BE LAID UNDER ALL SLABS AND WALLS IN CONTACT WITH THE GROUND.

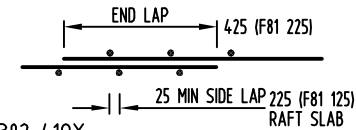
**CONCRETE**

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600  
C2. CONCRETE COVER TO ALL REINFORCEMENT (FINISHES NOT INCLUDED)

ELEMENT	FORMED AND SHELTERED	FORMED AND EXPOSED	NO FORM WORK
SLAB	25 MM	30 MM	65 MM
FOOTINGS		65 MM	75 MM

- C3. CONCRETE SIZES SHOWN DO NOT INCLUDE FINISHES AND MUST NOT BE REDUCED OR HOLED IN ANY WAY WITHOUT THE ENGINEER'S APPROVAL.
- C4. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE PROPERLY FORMED AND LOCATED TO THE APPROVAL OF THE ENGINEER.
- C5. REINFORCEMENT SHOWN DIAGRAMMATICALLY AND NOT NECESSARILY IN ITS TRUE PROJECTION.
- C6. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

FABRIC IS TO HAVE A MINIMUM LAP OF: -



- C7. REINFORCEMENT SYMBOLS: -  
Y TEMPORARY DEFORMED BOUND BAR TO AS1302 410Y  
R STRUCTURAL GRADE PLAIN GROUND BAR TO AS1304  
F HAND DRAWN STEEL WIRE REINFORCEMENT FABRIC TO AS1304  
THE NUMBER FOLLOWING THE BAR SYMBOL IS THE NOMINAL BAR DIAMETER IN MM.
- C8. CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS: -
- |                     | SLAB WALLS   | FOOTINGS     |
|---------------------|--------------|--------------|
| SLUMP               | 75           | 75           |
| MAX. AGGREGATE SIZE | 20           | 20           |
| STRENGTH F'c        | 32 MPa       | 20 MPa       |
| TYPE                | NORMAL DENSE | NORMAL DENSE |
- C9. ALL REINFORCEMENT SHALL BE SUPPORTED IN ITS CORRECT POSITION SO AS NOT TO BE DISPLACED DURING CONCRETING, ON APPROVED BAR CHAIRS AT 1M MAX. CTS. BOTH WAYS. WHERE REQUIRED PROVIDE SUPPORT Y12 BARS AT 1 M MAX. CTS.
- C10. CONCRETE IS TO BE KEPT FREE OF SUPPORTING BRICKWORK BY TWO LAYERS OF SUITABLE MEMBRANE (MALTHOID, ETC.) OR AS DIRECTED BY THE ENGINEER. VERTICAL FACES OF CONCRETE TO BE KEPT BY 10 MM THICKNESS OF COMPRESSIBLE STYRENE FOAM.
- C11. WHERE WALLS ARE NON-LOAD BEARING AT EITHER HORIZONTAL OR VERTICAL FACES THEY SHALL BE SEPARATED FROM CONCRETE BY 10 MM THICK COMPRESSIBLE STYRENE FOAM.
- C12. ALL REINFORCEMENT FOR ANY ONE POUR SHALL BE COMPLETELY PLACED AND TIED PRIOR TO INSPECTION BY THE ENGINEER. NO CONCRETE SHALL BE POURED UNTIL REINFORCEMENT HAS BEEN INSPECTED AND APPROVED.
- C13. WHERE SLABS AND BEAMS ARE TO SUPPORT BRICKWORK OVER, FORMWORK AND PROPS MUST BE REMOVED BEFORE COMMENCEMENT OF BRICKWORK.

**EXISTING SERVICES NOTE:**

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATION AND LEVEL OF ALL EXISTING SERVICES ON SITE PRIOR TO COMMENCING CONSTRUCTION. ALLOW FOR ANY PROTECTION TO EXISTING SERVICES REQUIRED BY AUTHORITIES. ANY SERVICE DAMAGED BY THE CONTRACTOR SHALL BE REINSTATED AT THE CONTRACTORS EXPENSE.

**FOOTING NOTE:**

ALL EDGE BEAMS TO BE FOUNDED 200 MINIMUM INTO STIFF SILTY CLAY WITH 80 KPa MINIMUM BEARING CAPACITY. THIS DESIGN HAS INCORPORATED CLASS 'H' SITE CLASSIFICATION AND SHALL BE READ IN CONJUNCTION WITH THE SOILS REPORT NUMBER 09/476 PREPARED BY 'C.E. LAWRENCE & ASSOCIATES (VIC) P/L'

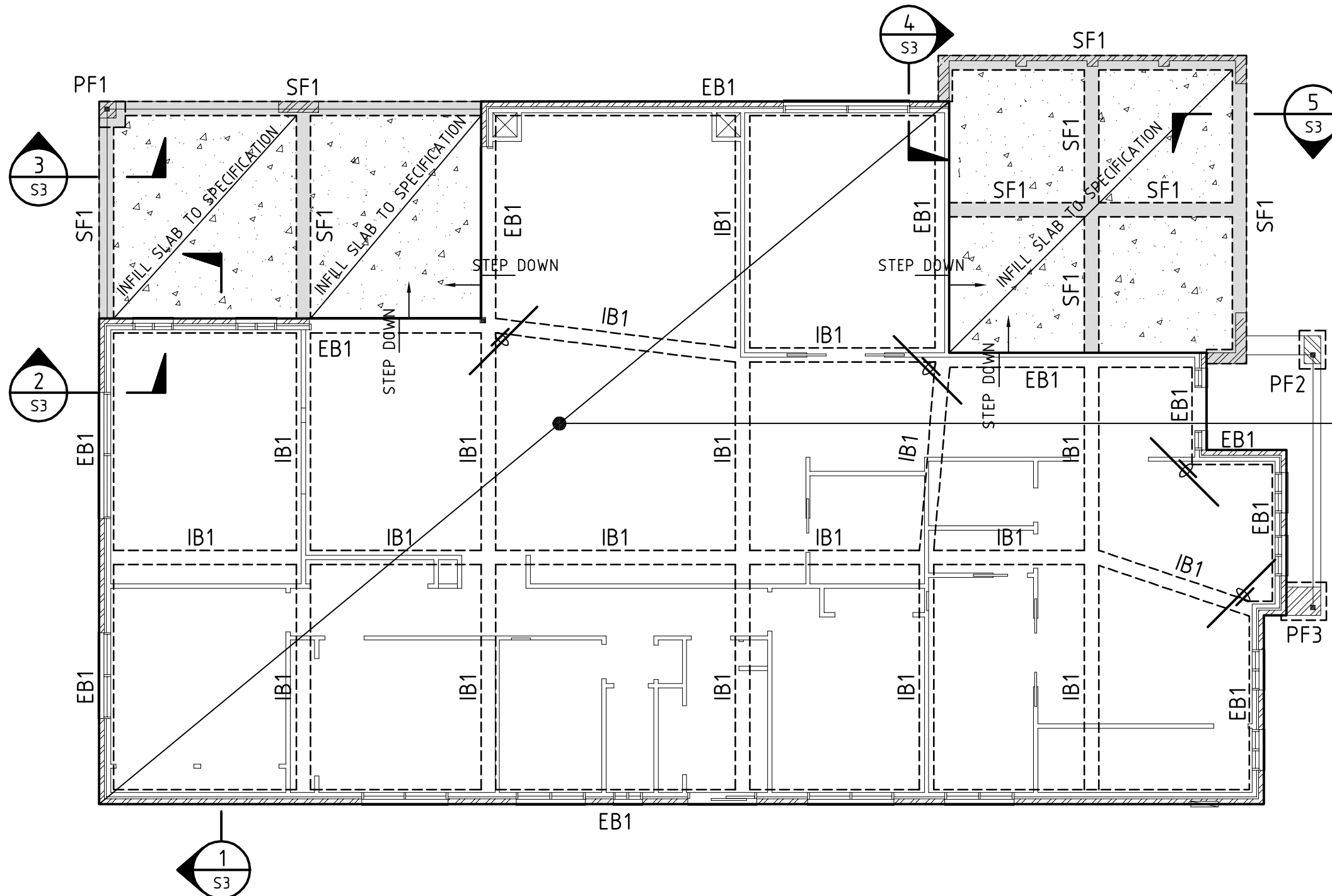
No.	Date	Revision	By	No.	Date	Revision	By
A	09.08.2010	ISSUED FOR APPROVAL	FF				

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DRAWING  
STRUCTURAL DRAWINGS  
SHEET 1 OF 4

Designed by	CLIENT	Scale
FF	ABODE DESIGN & CONSTRUCT PTY LTD	N.T.S.
Drawn by	Job No.	
LW	10052	
Checked by	PROJECT	Drawing No.
FF	PROPOSED SINGLE STY DWELLING	S1
Date	AT LOT 436 NO. 10 ALBERT CRT, BURNSIDE HEIGHTS	Rev.
AUGUST 2010		A



100mm THICK SLAB ON GROUND- SL82 FABRIC TOP THROUGHOUT U.N.O. OVER 0.2 POLYTHENE MEMBRANE & 50mm PACKING SAND

# FOOTING PLAN

SCALE 1:100

RAFT SLAB SCHEDULE		
MARK	DESCRIPTION	REINFORCEMENTS
EB1	300 WIDE x 500 DEEP EDGE BEAM (REBATED)	3-L12TM BOTTOM
IB1	300 WIDE x 500 DEEP INTERANL BEAM	3-L12TM BOTTOM
SF1	300 WIDE x 500 DEEP MIN. STRIP FOOTING	3-L12TM TOP & BOTTOM
PF1	550(W) x 550(L) x 500 DEEP	SL82 FABRIC TOP & BOTTOM
PF2	550(W) x 800(L) x 500 DEEP	SL82 FABRIC TOP & BOTTOM
PF3	950(W) x 800(L) x 500 DEEP	SL82 FABRIC TOP & BOTTOM

**GARAGE & ALFRESCO INFILL SLAB SPECIFICATION -**  
 100 THICK CONCRETE SLAB - SL82 FABRIC TOP THROUGHOUT U.N.O.  
 OVER 0.2 POLYTHENE MEMBRANE & 50mm SAND LEVELING BED

**RE-ENTRANT BARS**  
 2-N16 TOP REINFORCEMENT LAYER AS  
 REQUIRED AT CORNERS

**NOTE:**  
 ALL EDGE BEAMS TO BE FOUNDED 200 MINIMUM INTO STIFF SILTY CLAY WITH 150 KPa MINIMUM BEARING CAPACITY. REFER TO SOIL REPORT 09/476 BY 'C.E. LAWRANCE & ASSOCIATES (VIC) P/L'.

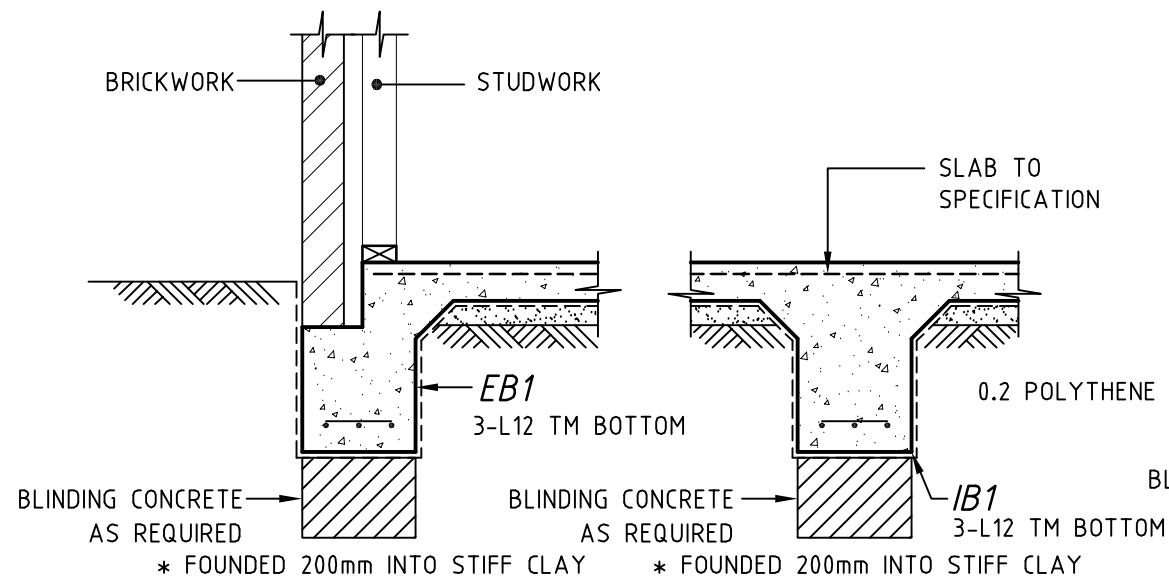
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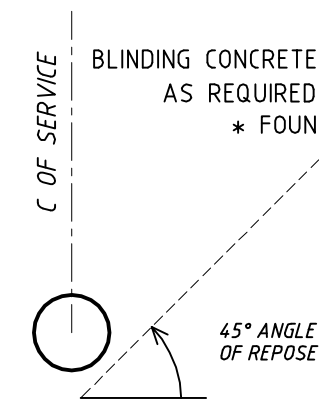
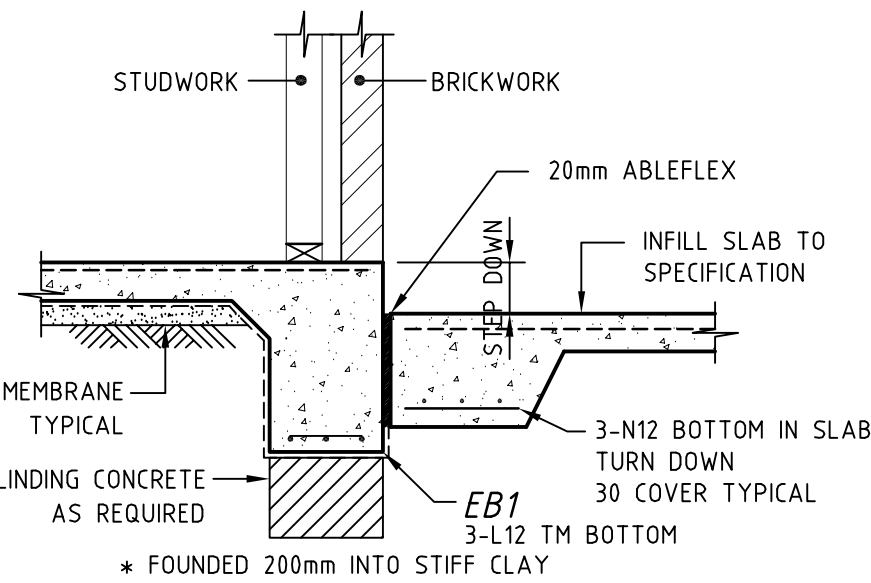
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 SHEET 2 OF 4

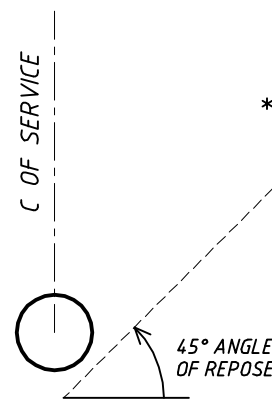
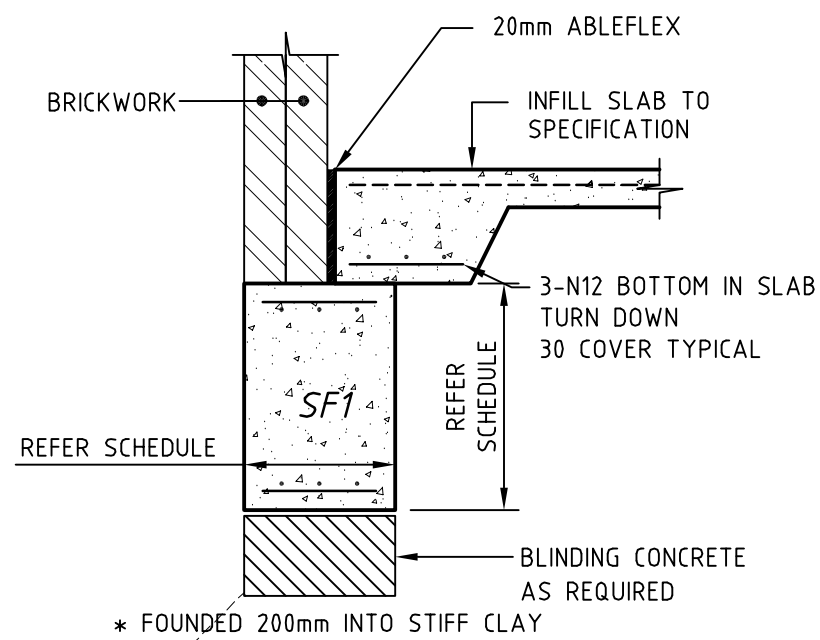
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FF		ABODE DESIGN & CONSTRUCT PTY LTD		AS NOTED	
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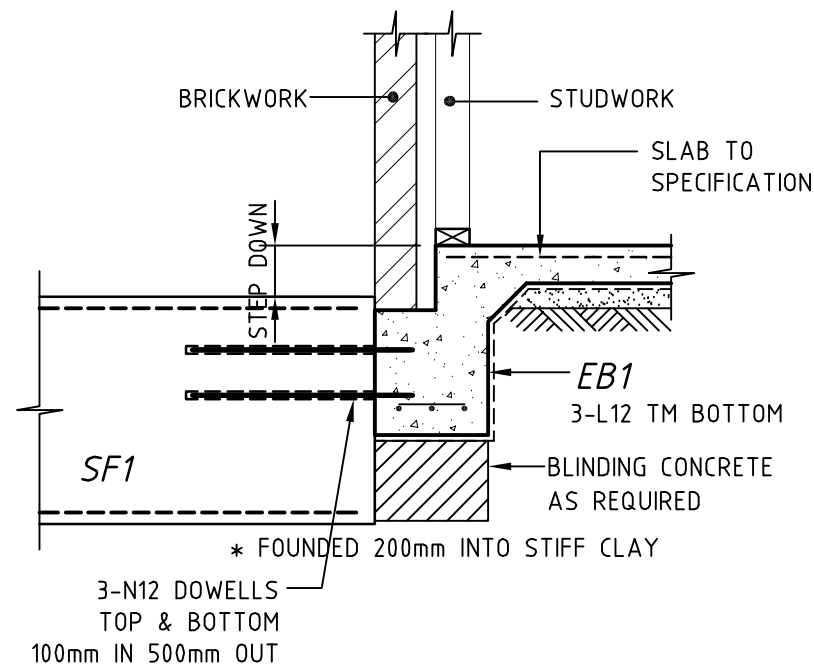
SECTION 1  
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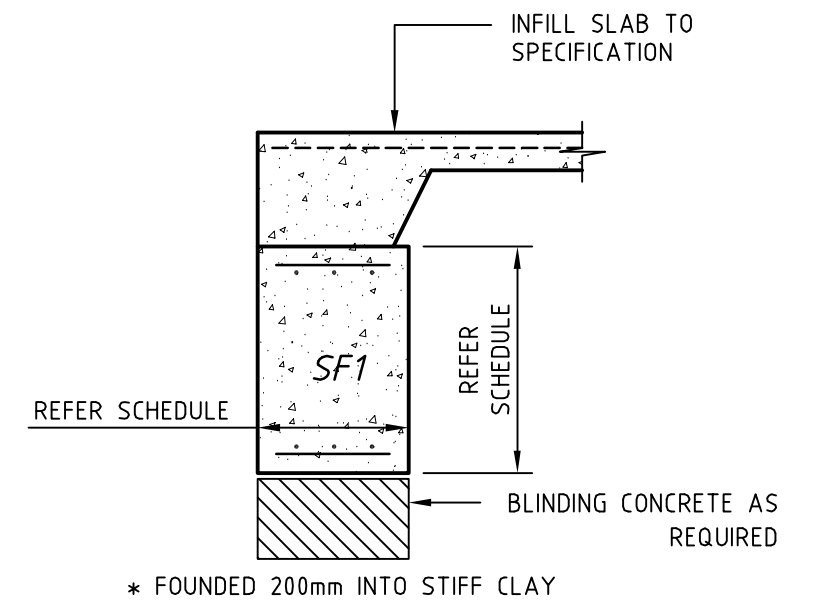
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SECTION 3  
SCALE- 1:20



SECTION 4  
SCALE- 1:20



SECTION 5  
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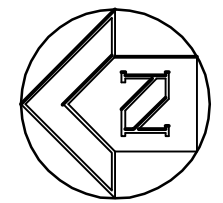
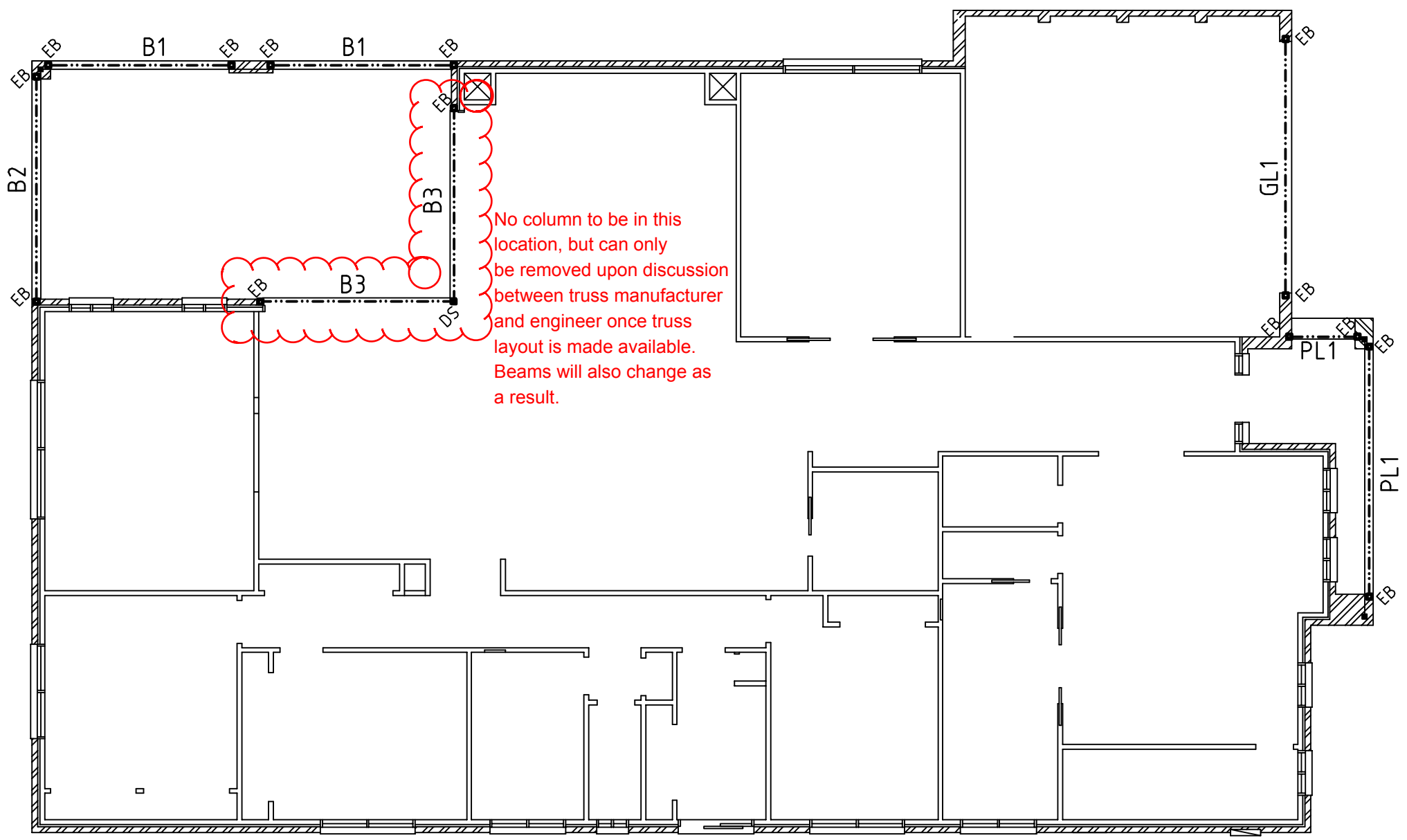
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Checked by	PROJECT	Drawing No.
FF	PROPOSED SINGLE STY DWELLING AT LOT 436 NO. 10 ALBERT CRT, BURNSIDE HEIGHTS	S3
Date	AUGUST 2010	Rev.
		A



## ROOF LINTEL PLAN

SCALE 1:100

ROOF LINTEL SCHEDULE		
MARK	DESCRIPTION	REMARKS
GL1	250 x 10 VERTICAL PLATE 200 x 10 HORIZONTAL PLATE	FABRICATED "T" LINTEL, 300x6 CFW THEN 200mm HIT & MISS, 250mm END BEARING.
B1	2/240 x 45 F17 KDHW	GLUED & NAIL LAMINATED.
B2	3/240 x 45 F17 KDHW	GLUED & NAIL LAMINATED.
B3	2/290 x 45 F17 KDHW	GLUED & NAIL LAMINATED.
PL1	250 x 10 VERTICAL PLATE 200 x 10 HORIZONTAL PLATE	FABRICATED "T" LINTEL, 300x6 CFW THEN 200mm HIT & MISS, 250mm END BEARING.
EB	DENOTES END BEARING	-

### LINTEL SCHEDULE:

<p>SPAN ≤ 900mm    45 x 70 F17 KDHW</p> <p>900 &lt; SPAN ≤ 1100mm    90 x 45 F17 KDHW</p> <p>1100 &lt; SPAN ≤ 1500mm    140 x 45 F17 KDHW</p> <p>1500 &lt; SPAN ≤ 2100mm    190 x 45 F17 KDHW</p> <p>2100 &lt; SPAN ≤ 2600mm    240 x 45 F17 KDHW</p> <p>2600 &lt; SPAN ≤ 3100mm    290 x 45 F17 KDHW</p> <p>3100 &lt; SPAN ≤ 3600mm    290 x 90 F17 KDHW    DOUBLE STUDS SUPPORTS</p>	<p>ALL STUDS TO BE 90 x 45 MGP10 @ 450 CRS WITH 2 ROWS OF NOGGINGS BOTTOM PLATE - 45 x 90 MGP10 TOP PLATE        - 2 x 35 x 90 MGP10</p>
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Checked by	FF	Job No.	10052
Date	AUGUST 2010	PROJECT	PROPOSED SINGLE STY DWELLING AT LOT 436 NO. 10 ALBERT CRT, BURNSIDE HEIGHTS
		Drawing No.	S4
		Rev.	A