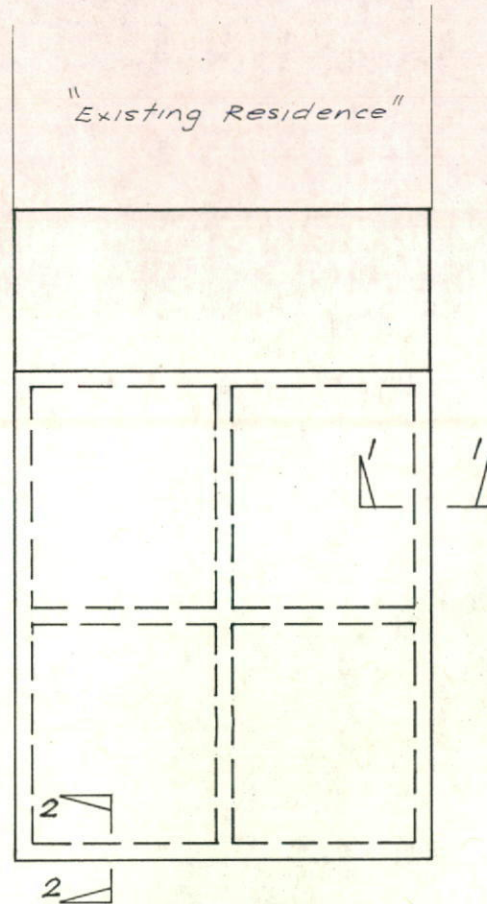


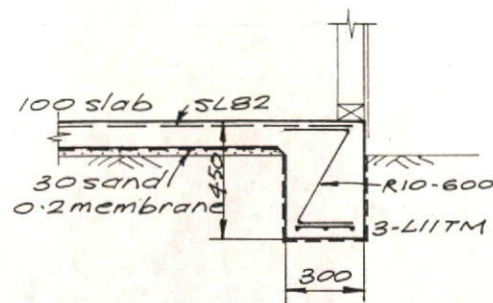
6 Appendix A – Architectural and Structural Drawings



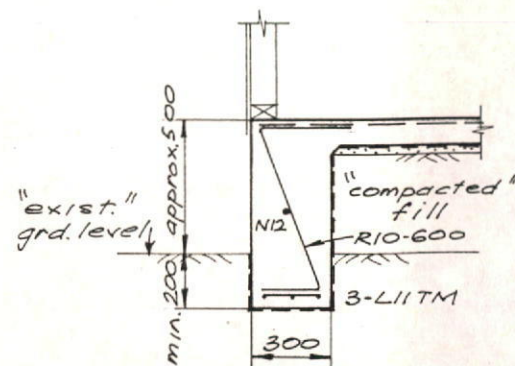


RAFT SLAB PLAN

Slab 100 mm thick, Reinf. SLB2 mesh top
Beams 300 wide x 450 deep, Reinf. 3-L11 TM bottom.



SECTION 1-1



**SECTION 2-2
(Deep Edge Beam)**

CONSTRUCTION NOTES

GENERAL

- G1 - THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL PLANS AND SPECIFICATIONS.
- G2 - DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- G3 - DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER AS REQUIRED.
- G4 - ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SAA CODES, ORDINANCES AND BUILDING AUTHORITY.
- G5 - THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:

Classification	Live load (Kpa)
RESIDENTIAL SLABS	2
OFFICES, PARKINGS, CORRIDORS	3
BALCONIES, STAIRS	4
FACTORIES, PLATFORMS	5
ROOFS	0.25

FOUNDATIONS

- F1 - FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 120 Kpa, SITE CLASS 1/1.
- F2 - THE BUILDER SHALL OBTAIN APPROVAL OF THE FOUNDATION MATERIAL BEFORE PLACING CONCRETE.

CONCRETE

- C1 - ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600.
- C2 - CONCRETE STRENGTH f_c AT 28 DAYS:

Classification	Concrete Strength (Mpa)
FOOTINGS	25
SLABS AND BEAMS	20
EXPOSED CONCRETE	25
OTHER	20
- C3 - CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:

Classification	Clear concrete cover (mm)		
	Interior environment	Exterior environment	In contact with the ground
FOOTINGS	50	50	50
SLABS AND BEAMS	20	40	50
COLUMNS	30	40	50
- C4 - SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF FINISHES.
- C5 - SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN LOCATIONS SHOWN WHERE LAP LENGTHS ARE NOT SHOWN THEY SHALL BE AS FOLLOWS:
 - N12 - 500mm, N16 - 650mm, N20 - 800mm, N24 - 1100mm, N28 - 1300mm.
- C6 - MINIMUM LAP FOR FABRIC SHALL BE TWO CROSS WIRES PLUS 25mm.
- C7 - REINFORCEMENT SYMBOLS:
 - Y - DENOTES 410 Mpa STRESS GRADE DEFORMED BARS TO AS1302.
 - R - DENOTES 230Mpa GRADE HOT ROLLED PLAIN BARS TO AS1302.
 - SL OR RL - DENOTES 500 Mpa GRADE LOW DUCTILITY WELDED MESH TO AS4671.
 - N - DENOTES 500 Mpa GRADE NORMAL DUCTILITY DEFORMED RIBBED BARS TO AS4671.
- C8 - CONCRETE SHALL BE MECHANICALLY VIBRATED.
- C9 - CONCRETE SHALL BE WET-CURED FOR 7 DAYS AFTER PLACEMENT.
- C10 - HORIZONTAL FORMWORK SHALL BE STRIPPED WHEN APPROVED BY THE ENGINEER.
- C11 - DO NOT BUILD BRICKWORK ON SUSPENDED WORK UNTIL ALL PROPPING HAS BEEN REMOVED.

BRICKWORK AND BLOCKWORK

- B1 - ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3700.
- B2 - STRENGTH OF BRICKWORK SHALL BE 20Mpa, MORTAR 10Mpa.
- B3 - WHERE CONCRETE BEARS ON BRICKWORK IT SHALL BE SEPARATED THEREFROM BY TWO LAYERS OF ALUMINUM CORE BITUMINOUS STRIP.
- B4 - PROVIDE VERTICAL CONTROL JOINTS IN BRICKWORK AND BLOCKWORK AT 8.0m CENTRES MAX.

STRUCTURAL STEEL

- S1 - ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100, AS 1554, AS1111, AS1511, AS1163, AS1204, AS3678, AS2679, AS1508.
- S2 - UNLESS OTHERWISE NOTED ALL BOLTS TO BE 20 DIA GRADE 8.8/S.
- S3 - ALL CONNECTIONS TO HAVE 2 BOLTS MIN PER CONNECTION WITH GUSSET PLATES 10mm THICK, UNLESS NOTED OTHERWISE.
- S4 - UNLESS OTHERWISE NOTED ALL WELDS TO BE 6mm CONTINUOUS FILLET FROM E40XX ELECTRODES. BUTT WELDS WHERE INDICATED SHALL BE FULL PENETRATION WELDS AS DEFINED IN AS1554.
- S5 - THE BUILDER SHALL SUBMIT 2 SETS OF SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR COMMENCING FABRICATION.
- S6 - STEEL MEMBERS TO BE VIRE BRUSHED AND GIVEN ONE COAT OF AN APPROVED ZINC PHOSPHATE PRIMER.

01-03-13	ISSUED	dll
----------	--------	-----

**PROPOSED DEVELOPMENT AT NO.152
PARKRIVER CLOSE MULGOA**

RAFT SLAB PLAN AND DETAILS

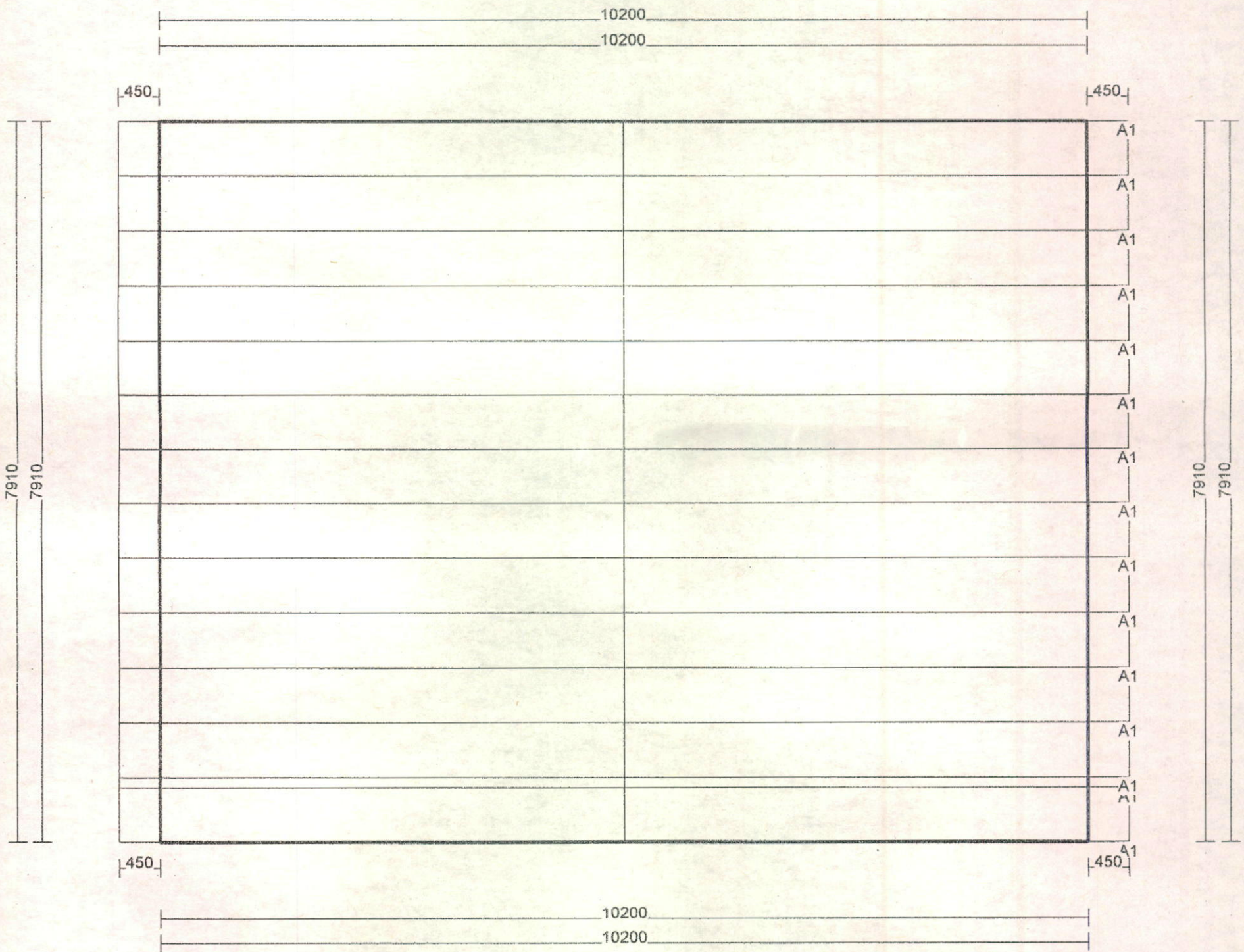
AB Design Consulting Structural & Civil Engineers 48 O'Neill Street, Brighton-le-sands NSW 2216 P.O. Box 245, Punchbowl NSW 2196 Phone: 9587 9192 - Mobile: 0415 275 601 Fax: 9587 9192 - Email: abvd@bigpond.net.au	DRAWN RN
	CHECKED M. H. Aust.
SCALE 1:100 1:20	DRG. NO. 1/4183

ABC FRAMES & TRUSSES P/L ABN: 72
14 ANNE STREET
ST. MARYS NSW 2760

Customer : WINDOOR
Site : ***** METRO

Gang-Nail Australia Ltd.
RoofFAB 3

Emailed 29/4/13.



Roof : SHEET ROOFING
Wind : Wind class N2
Ceiling : 10 mm P/B 600 bat spc

Truss Spacing : 600 mm
Lower Pitch : 31.00 degrees

1442
Scale 1 : 75
Mon Apr 22 16:24:54 2013