

## PLAN - FOOTINGS & CARPORT SLAB

SCALE 1:100

BP1 & DP: 600 LONG x 450 WIDE x 300 DEEP MASS CONCRETE BUCKET PIERS & 500SQx 500 DEEP PADS (PD) FOOTING HAVE BEEN DESIGNED TO BEAR ON FIRM NATURAL SAND AT LEAST 200mm BELOW SURFACE WITH A SAFE BEARING CAPACITY OF AT LEAST 150 KPa.

BP2: 450 WIDE x 150 DEEP (MIN.) MASS CONCRETE BUCKET PIERS, HAVE BEEN DESIGNED TO BEAR ON FIRM NATURAL SAND AT LEAST 200mm BELOW SURFACE WITH A SAFE BEARING CAPACITY OF AT LEAST 150 KPa.

BP3: 600 LONG x 300 WIDE x 300 DEEP MASS CONCRETE BUCKET PIERS, HAVE BEEN DESIGNED TO BEAR ON FIRM NATURAL SAND AT LEAST 200mm BELOW SURFACE WITH A SAFE BEARING CAPACITY OF AT LEAST 150 KPa.

SF1: 450 WIDE x 400 DEEP REINFORCED CONCRETE STRIP FOOTING (SEE DETAIL)

SF2: 450 WIDE x 300 DEEP REINFORCED CONCRETE STRIP FOOTING (SEE DETAIL)

SVJ : DENOTES 10mm STRAIGHT VERTICAL JOINT BETWEEN NEW AND EXISTING BRICKWORK. SEAL JOINT WITH MASTIC ON FOAM BACKING ROD.

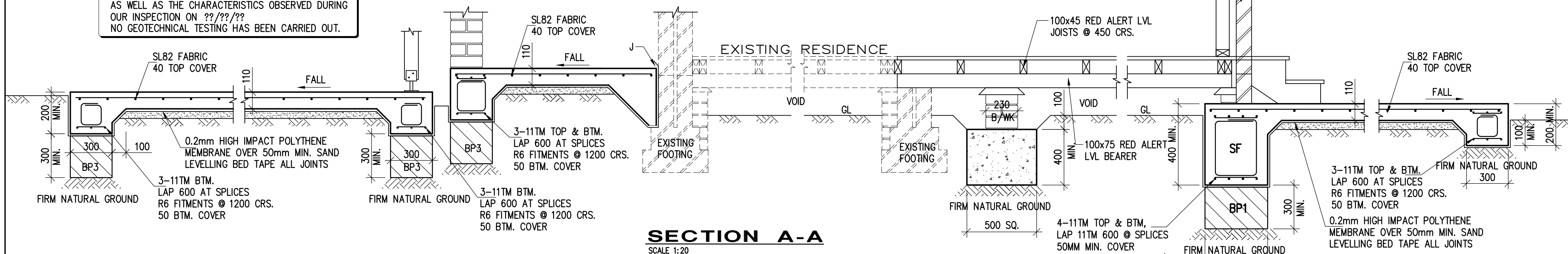
OVERLAP FABRIC ONE FULL UNCUT WIRE PANEL PLUS 25mm MIN. AT SPLICES

S1: 110 SLAB SL82 FABRIC TOP 40 COVER (N32 CONCRETE)

J: DENOTES 10mm EXPANSION JOINTING EQUAL TO ABELFLEX BETWEEN CONCRETE AND ABUTTING BRICKWORK

SC: SAW CUT. TOOL GROOVE 40mm DEEP. CUT EVERY 2ND WIRE OF TOP FABRIC BELOW JOINT. DO NOT CUT BTM. FABRIC OR TRENCH MESH IF APPLICABLE

THIS FOOTING DESIGN TAKES INTO ACCOUNT THE RECOMMENDATIONS OF A.S.2870 IN RESPECT OF CLASS M (MODERATELY REACTIVE) SITE CONDITIONS AS WELL AS THE CHARACTERISTICS OBSERVED DURING OUR INSPECTION ON ??/??/?? NO GEOTECHNICAL TESTING HAS BEEN CARRIED OUT.



## NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWING AND SPECIFICATION.
- ALL CONCRETE AND WORKMANSHIP TO BE IN ACCORDANCE WITH A.S.3600 ASSOCIATED AUSTRALIAN STANDARDS AND THE FOLLOWING TABLE:
 

ELEMENT	SLUMP	MAX. AGG. SIZE	GRADE
FOOTINGS	80mm	20mm	N20
CARPORT, PORCH PAVING & REAR DECK SLAB	80mm	20mm	N32
- DO NOT PLACE CONDUITS, PIPES, ETC. IN CONCRETE COVER
- REINFORCEMENT SYMBOLS :  
 N - DENOTES DEFORMED D500N BARS TO AS/NZS 4671  
 R - DENOTES PLAIN 230R GRADE BARS TO AS 1302  
 SL- DENOTES DEFORMED SQUARE D500SL GRADE MESH TO AS/NZS 4671  
 TM- DENOTES HARD DRAWN TRENCH MESH TO AS 1304

- CONCRETE IN SLABS TO BE MECHANICALLY VIBRATED DURING PLACING.
- CURE CONCRETE BY KEEPING CONSTANTLY DAMP FOR AT LEAST 5 DAYS AFTER PLACING.
- REINFORCEMENT TO BE SUPPORTED ON BAR CHAIRS SPACED AT EVERY 5TH WIRE IN BOTH DIRECTIONS.
- STRUCTURAL STEELWORK TO BE THOROUGHLY CLEANED OF DIRT, GREASE AND RUST AND PROTECTED AGAINST CORROSION.
- GRADE FINISHED GROUND SURFACE TO DIVERT WATER AWAY FROM SLAB ON ALL SIDES AND TO PREVENT PONDING.
- TERMITE PROTECTION TO BE IN ACCORDANCE WITH A.S.3660.1-1995 AND COUNCIL'S REQUIREMENTS

THIS IS TO CONFIRM THAT THE INTRODUCTION OF THE NEW FOOTINGS TO SUPPORT THE GROUND FLOOR EXTENSION WILL NOT UNDERMINE THE BUILDINGS ON THE ADJOINING LAND AND WILL CONTINUE TO PROVIDE ADEQUATE SUPPORT  
 I CERTIFY THAT I AM A FULLY QUALIFIED AND PRACTICING STRUCTURAL ENGINEER IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE OF AUSTRALIA AND THE INSTITUTION OF ENGINEERS, AUSTRALIA

## SECTION B-B

SCALE 1:20

## EXCAVATION ADJACENT TO EXISTING FOOTING

SF2: EXCAVATE BP2 TO SAME LEVEL AS EXISTING FOOTING  
 NOTE: IF 150 MINIMUM DIMENSION CANNOT BE ACHIEVED USE 450mm SLEEVED PIER HOLES 1200 MIN.

CLIENT : CAPE COD AUSTRALIA PTY LTD



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SCALE 1:100 1:20

DATE 21-05-2015

DRAWN O.C

CHECKED RK./E.L.B

APPROVED *L. Beretta*

PROPOSED ADDITIONS TO RESIDENCE AT  
 19 CENTENNIAL AVENUE, RANDWICK  
 FOR MR & Mrs. PISMIRIS

FOOTING & CARPORT SLAB

DRAWING NUMBER

78667-1

ISSUE

ISSUE	DATE	APP'D	DESCRIPTION
REVISIONS			