NOTES

GENERAL

G1. THE DRAWINGS ARE TO BE READ TOGETHER WITH ALL ARCHITECTS DRAWINGS AND SPECIFICATIONS
G2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM THE DRAWINGS. ALL SETTING OUT DIMENSIONS SHALL BE VERIFIED AND DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
G3. CARE IS REQUIRED DURING CONSTRUCTION SO THAT STRUCTURAL ELEMENTS ARE NOT OVERSTRESSED AND KEPT STABLE AT ALL TIMES
G4. DESIGN, MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH CURRENT S.A.A. STANDARDS AND STATUTORY AUTHORITY REGULATIONS EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.

FOOTINGS AND RETAINING

F1. FOOTINGS/PIERS HAVE BEEN DESIGNED TO BE FOUNDED ON DRY FIRM CLAY HAVING AN ALLOWABLE BEARING CAPACITY OF 200 kPa
F2. FOUDATION MATERIAL SHALL BE APPROVED BEFORE PLACING MEMBRANE, REINFORCEMENT OR CONCRETE AND SHALL BE INSPECTED BY THE ENGINEER PRIOR TO PLACING CONCRETE.
F3. FOOTINGS TO BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING BY RAIN OR DRYING OUT BY EXPOSURE

CONCRETE

C1. ALL WORK TO BE IN ACCORDANCE WITH AS3600 CURRENT EDITIONS WITH AMENDMENTS

CONCRETE CHARACTERISTICS

ELEMENT	COMPRESSIVE STRENGTH f'c –28 DAYS MPa	SLUMP mm	MAX AGG SIZE mm
SLABS & COLUMNS	32	80	20
PIERS AND FOOTINGS	32	80	20
R.C. RETAINING WALL	32	140	10
ELSWHERE	32	80	20

C2. CONCRETE SHALL HAVE NO ADMIXTURES WITHOUT THE ENGINEER'S APPROVAL.
C3. REINFORCEMENT SYMBOLS:
N 500N GRADE DEFORMED BAR
S 250S GRADE DEFORMED BAR
R 250R GRADE ROUND BAR
SL 500L GRADE WIRE MESH
THE NUMBER FOLLOWING THESE SYMBOLS IS THE BAR DIAMETER IN MM.
ALL WELDED MESH FABRIC SHALL BE SUPPLIED IN FLAT SHEETS AND SHALL COMPLY WITH CURRENT AS1304 AND AMENDMENTS.
C4. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN I METRE CENTRES BOTH WAYS.
BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. IN EXPOSURE CONDITIONS B1 USE PLASTIC CHAIRS.
C5. FORMWORK IS TO BE ERECTED TO COMPLY WITH CURRENT AS3610.
C6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C7. CLEAR CONCRETE COVER TO ALL REINFORCEMENT SHALL BE AS FOLLOWS (U.N.O)

CONCRETE GRADE	CAST AGAINST GROUND	CAST IN FORMS AND EXPOSED	CAST IN FORMS AND NOT EXPOSED
25	50mm	30mm	20mm
32	60mm	40mm	-
40	65mm	45mm	-

C8. CURING OF ALL CONCRETE TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 7 DAYS. APPROVED SPRAYED ON CURING COMPOUNDS MAY BE USED WHERE NO FLOOR FINISHES ARE PROPOSED. WET HESSIAN MAY BE USED FOR CURING.
C9. CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING. NO BRICKWORK OR PARTITION WALLS ARE TO BE CONSTRUCTED ON SUSPENDED SLABS UNTIL ALL PROPPING IS REMOVED AND THE SLAB HAS ABSORBED ITS DEAD LOAD DEFLECTION AND ACHIEVED DESIGN STRENGTH.
C10. CONSTRUCTION JOINTS IF NOT SHOWN ON DRAWINGS SHALL BE LOCATED ACCORDING TO THE ENGINEER INSTRUCTIONS.
C11. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL THE REINFORCEMENT IS IN ACCORDANCE WITH THE DESIGN.

BRICKWORK

Br.1. BRICKWORK IS TO BE CONSTRUCTED WITH MORTAR IN THE RATIO 1:1:6, CEMENT:LIME:SAND AND TO BE ADEQUATELY CURED PRIOR TO BEING LOADED.
SAND TO BE CLEAN SAND WITH NO CLAY CONTENT. MASONRY TO BE CONSTRUCTED TO CURRENT AS3700.
Br.2. BRICKS USED IN THE CONSTRUCTION OF LOAD-BEARING WALLS SHALL HAVE MINIMUM 20MPa. COMPRESSIVE STRENGTH.
Br.3. TWO LAYERS OF APPROVED METAL BASED SLIP MATERIAL SHALL BE USED OVER ALL LOAD-BEARING WALLS THAT SUPPORT CONCRETE SLABS. NON LOAD-BEARING WALLS SHALL HAVE 10mm COMPRESSIBLE MATERIAL AND TIES TO THE SLAB SOFFIT.
Br.4. NO BRICKWORK OR BLOCKWORK SHALL BE CONSTRUCTED ON SUSPENDED SLABS UNTIL ALL PROPPING HAS BEEN REMOVED FROM THE UDERSIDE OF SLAB AND THE CONCRETE HAS THE SPECIFIED 28 DAY CYLINDER STRENGTH VERIFIED BY TESTS.

TIMBER

T1. ALL TIMBER CONSTRUCTION TO BE IN ACCORDANCE WITH AS1684 & AS1720.
ALL OREGON TO BE GRADED F7 UNLESS NOTED OTHERWISE.
ALL HARDWOOD TO BE MINIMUM GRADE F14.
EXPOSED TIMBER TO BE TREATED RADIATA PINE TO AS1604, OR HARDWOOD DURABILITY CLASS 1 OR 2.
T2. ALL JOISTS TO HAVE BLOCKING OVER SUPPORT BEARERS AND AT MAXIMUM 3m CENTRES.
T3. ROOF TRUSSES TO BE DESIGNED BY THE MANUFACTURER TO AS1720.
T4. ALL HOLES FOR BOLTS TO BE EXACT SIZE.
WASHERS TO BE USED UNDER ALL HEADS AND NUTS AND TO BE AT LEAST 2.5 TIMES THE BOLT DIAMETER. BOLTS TO BE M16 GRADE 4.6/S UNLESS NOTED OTHERWISE.

NOTES:

* THIS PLAN IS DONE IN ACCORDANCE WITH AS2780–2011
* SOIL CLASS 'H1'
* SYSTEM : WR
* BUILDING : TWO STOREY ARTICULATED BRICK VENEER

* POD HEIGHT 300mm UNLESS NOTED OTHERWISE
* INTERNAL RIB 1N12

- VERTICAL ARTICULATION JOINTS IN ACCORDANCE WITH CLAUSE 3.3.1.8 OF THE BUILDING CODE OF AUSTRALIA.
- LOCATION OF JOINTS TO BE DETERMINED BY THE ARCHITECT OR THE BUILDER.
- BUILDER TO ADHERE TO NUMBER OF PIERS & ARRANGEMENT AS SHOWN ON PLAN.
- FILL TO BE COMPACTED IN ACCORDANCE WITH CLAUSE 6.4.2, AS2870–2011.

ISSUE	DATE	DESIGNED	DESCRIPTION
A	16-08-16	J.A	FOR DA and CC

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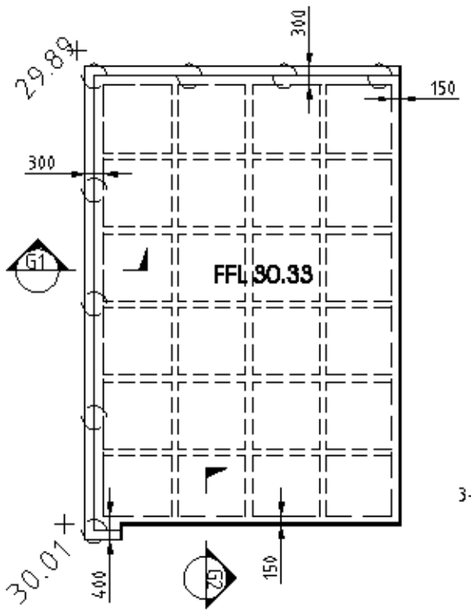
CLIENT: Mr J. Connolly
LOCATION: 17 THOMAS STREET, ST. MARYS NSW

TITLE: ADDITION & ALTERATION
SHEET CONTENT: SPECIFICATION

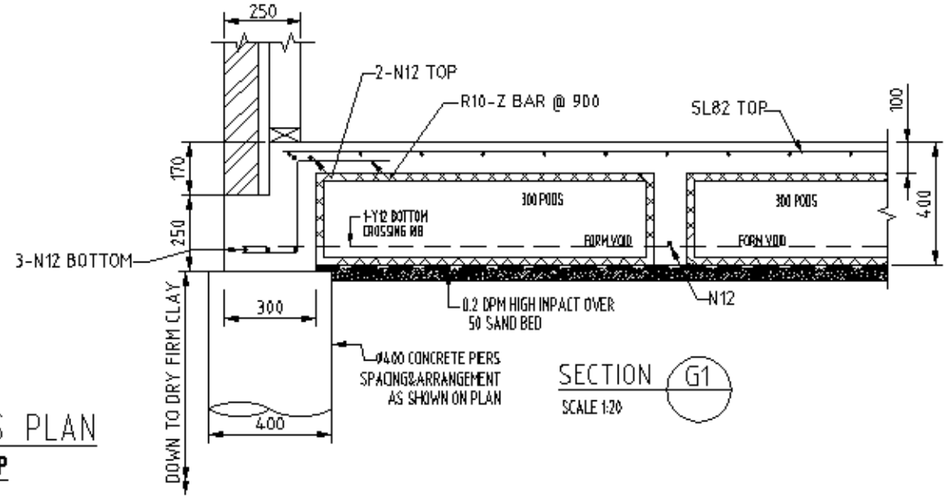
DESIGN:	SCALE:	REF. No.:
J.A	AS SHOWN	S03252
DRAWN: J.A	PLOT: 16-08-2016	SHEET No: 01 02
CHECKED: J.A	DATE: 16-08-2016	

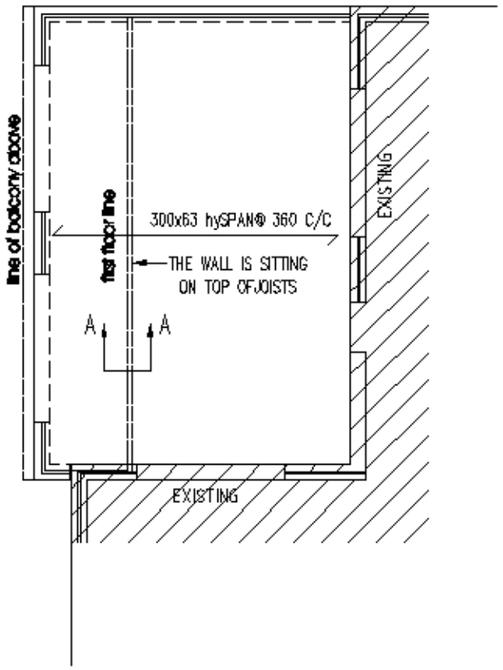


GROUND FLOOR-WAFFLE PODS PLAN

WITH 100mm SLAB REINFORCED WITH SL82 TOP

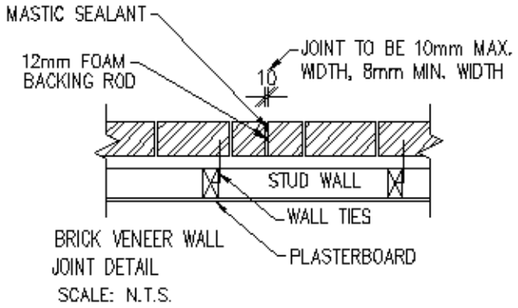
SCALE 1:100

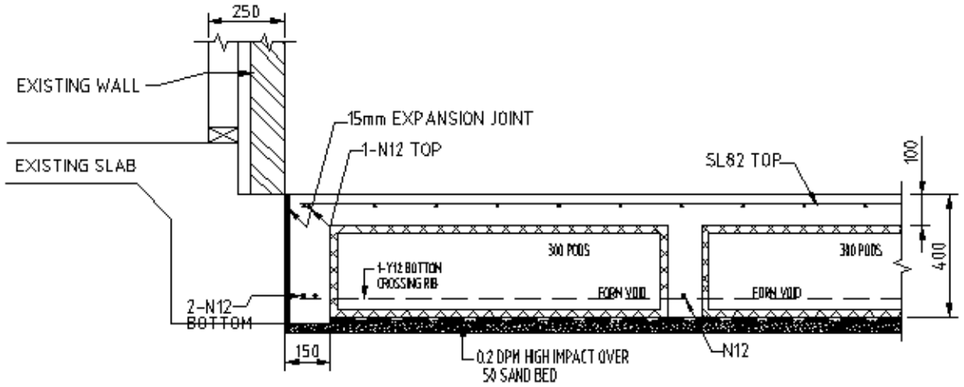




FIRST FLOOR BEAMS & JOISTS LAYOUT-PLAN

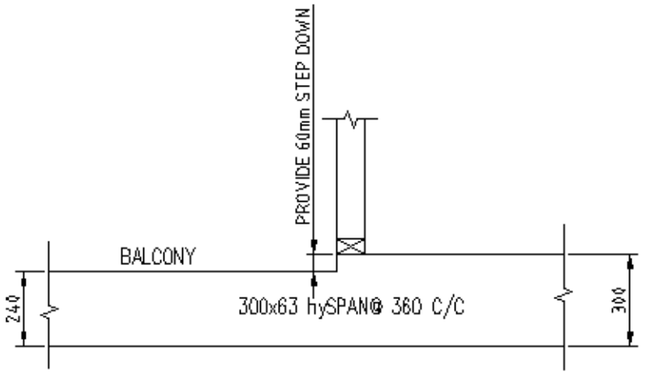
SCALE 1:100





SECTION G2

SCALE 1:20



SECTION A-A

SCALE: 1:20

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