

SLAB PLAN
SCALE 1: 100

NOTE:
PROOF ROLL BUILDING PAD AND REMOVE ANY SOFT SPOTS, LOOSE MATERIAL. ALSO, COMPLETELY REMOVE AND GRUB OUT ANY TREE ROOTS AND REPLACE WITH COMPACTED FILL AT PROPOSED BUILDING LOCATION.

THE SITE HAS BEEN CLASSIFIED AS CLASS 'M' IN ACCORDANCE WITH AS2870-2011
"Residential Slabs and Footings"
USING ONE OR MORE OF THE METHODS PROVIDED IN CLAUSE 2.2

NOTE: FIX ALL FLOOR TILES USING RUBBER BASED ADHESIVE.

Amendment	Date	Description
A	15-09-21	ORIGINAL ISSUE

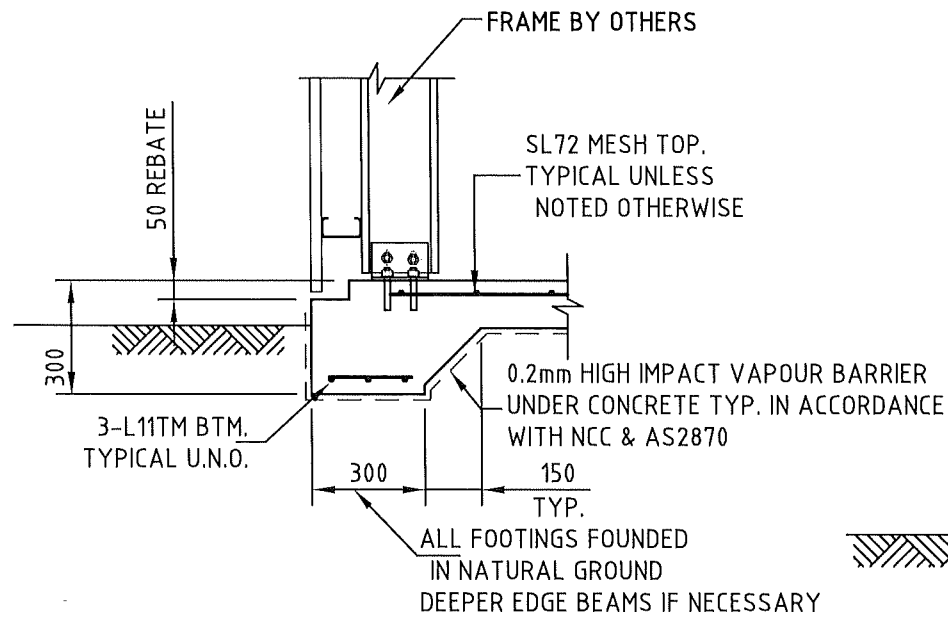
CONNEL CONCRETING
PROPOSED SHED SLAB 23 BUCHANAN KANDOS
SLAB PLAN

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CAD Ref: 20211376		

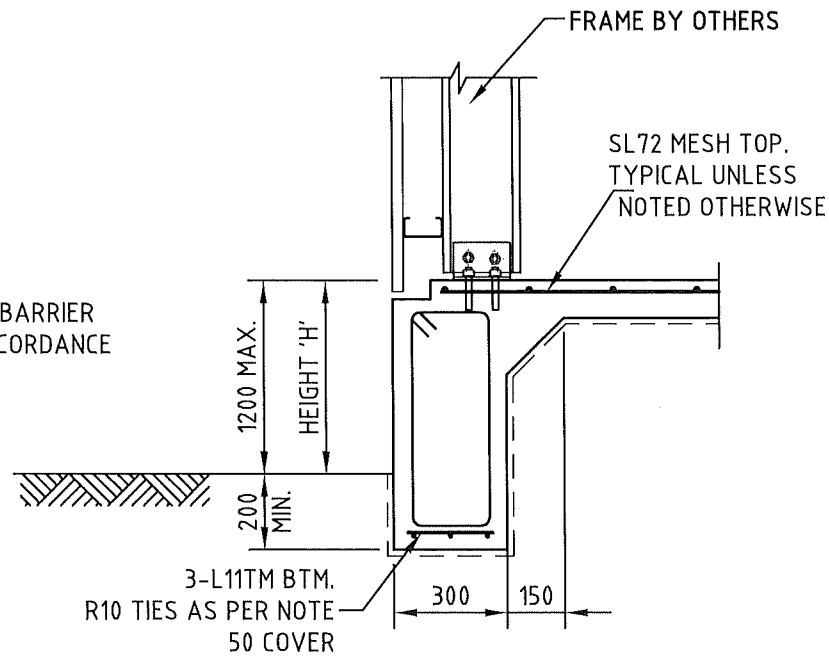
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Job No.	21.1376
DWG. No.	S1
Amdt.	A
No. In set	3



SECTION **A**
SCALE 1 : 20
S1

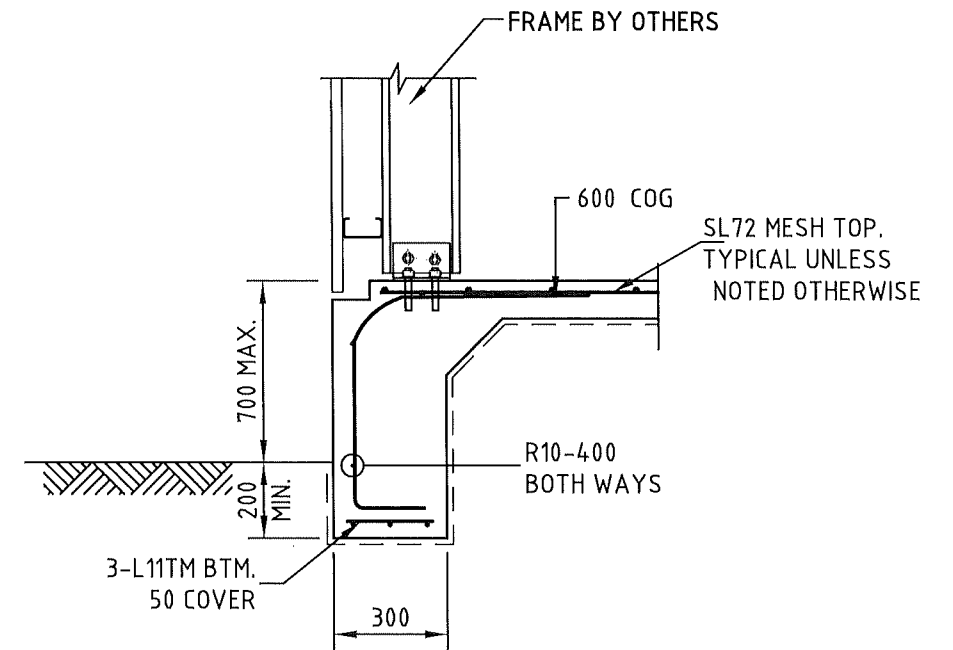


NOTE:
WHERE 'H' IS BELOW 600mm R10 TIES TO BE PLACED AT 1000 CRS
WHERE 'H' IS 600mm AND OVER R10 TIES TO BE PLACED AT 400 CRS

ALTERNATE DEEP EDGE REBATE DETAIL

SCALE 1:20

SECTION **B**
SCALE 1 : 20
S1



DEEP EDGE REBATE DETAIL
700mm MAX.

SCALE 1:20

SECTION **C**
SCALE 1 : 20
S1

Amendment	Date	Description
A	15-09-21	ORIGINAL ISSUE

CONNEL CONCRETING
PROPOSED SHED SLAB
23 BUCHANAN
KANDOS
STRUCTURAL DETAILS

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GENERAL NOTES

- G1. These notes shall be read in conjunction with all architectural and other consultants drawings and specifications, and with such other written instructions as may be issued during the course of the contract. All discrepancies shall be referred to the engineer for decision before proceeding with the work.
- G2. Dimensions shall not be obtained by scaling the drawings.
- G3. All levels and setting out dimensions shown in the drawings shall be verified from site.
- G4. During construction, the structure or affected adjacent structures shall be maintained in a stable condition, and no part shall be overstressed.
- G5. Design Loads :
 - Live loads AS1170.1
 - Wind loads AS1170.2
 - Snow load AS1170.3 Sg=0.69 kPa

FOUNDATIONS

- F1. Residential slabs and footings have been designed in accordance with AS2870.2011.
- F2. Footings have been designed for an allowable bearing pressure of 150 kpa. If required piers have been designed for an allowable end bearing pressure of 250 kPa.
- F3. All topsoil, organic matter or soft spots shall be removed.
- F4. Subgrade shall be proof rolled to 95% STD. compaction.
- F5. Any fill shall be compacted to 95% standard compaction unless otherwise noted. A minimum of 100mm of compacted roadbase or crusher dust is required under slabs.

REINFORCED CONCRETE

- R1. All reinforcement shall be inspected prior to pouring concrete.
- R2. All workmanship and materials (including concrete and steel reinforcement) shall be in accordance with AS3600 - "Concrete Structures"; AS1302 - "Steel Reinforcing Bars for Concrete"; AS1304 - "Welded Wire Reinforcing Fabric for Concrete."
- R3. Concrete shall not be less than 20Mpa, with 100mm slump, and maximum nominal aggregate size 20mm.
- R4. Minimum clear cover to the reinforcement including ties shall be as follows:
 - Internal locations : 20mm
 - Exposed to ground or weather : 40mm
 - Against waterproof membrane : 30mm
- R5. Cover shall be obtained by the use of approved bar chairs. Chairs shall be spaced at 800mm centres maximum. Use ARC Con-Steel CON A65 bar chairs to support top slab reinforcement.
- R6. Service penetrations shall be permitted through the middle third of edge beams.
- R7. All concrete work shall be mechanically vibrated. Vibrators shall not be used to spread concrete.
- R8. Sizes of concrete elements do not include thickness of applied finishes.
- R9. Beam depths are written first and include slab thickness.
- R10. Reinforcement is shown diagrammatically; it is not necessarily shown in true projection.
- R11. All fabric for slabs on ground must be in place before concreting commences. (R5).
- R12. Splice length for trench mesh shall be 500mm minimum. (600mm for deformed bar as trench reinforcement). Trench mesh in beams shall be overlapped by the width of the fabric at T & L intersections.
- R13. Fabric splice details:

R14. Concrete shall be allowed to cure. The recommended method is to cover the concrete with plastic and keep the concrete wet under the plastic for fourteen (14) days.

BRICKWORK NOTES

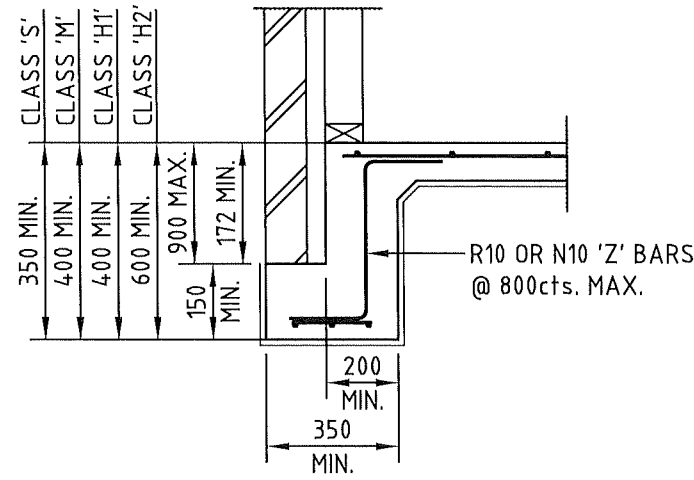
- B1. All bricks shall conform to the requirements of AS1225 & AS1226.
- B2. All brickwork shall be constructed in accordance with the relevant SAA code.
- B3. The design strength of brickwork shall be 20Mpa (compressive strength). The mortar mix shall be 1:1:6 (Cement: Lime: Sand) F'c=2.8Mpa
- B4. Where brickwork supports concrete slabs the top course shall be laid frogs down and covered with 2 layers of Alcor or equivalent unless otherwise shown.
- B5. Where walls are not load bearing, they shall be separated from the concrete above by 20mm of Coolite or equivalent.
- B6. All brickwork built off slabs shall bear on one layer of Alcor or equivalent.
- B7. Tied brick joints are to be 10mm wide and tied using one M.E.T Systems masonry tie every third course. Joint filled with compressible filler and/or mastic sealant.
- B8. Where the cavity is to be filled with grout, it shall be carried out in maximum lifts of 1.0m and twenty four hours between lifts.

FOUNDATION MANAGEMENT

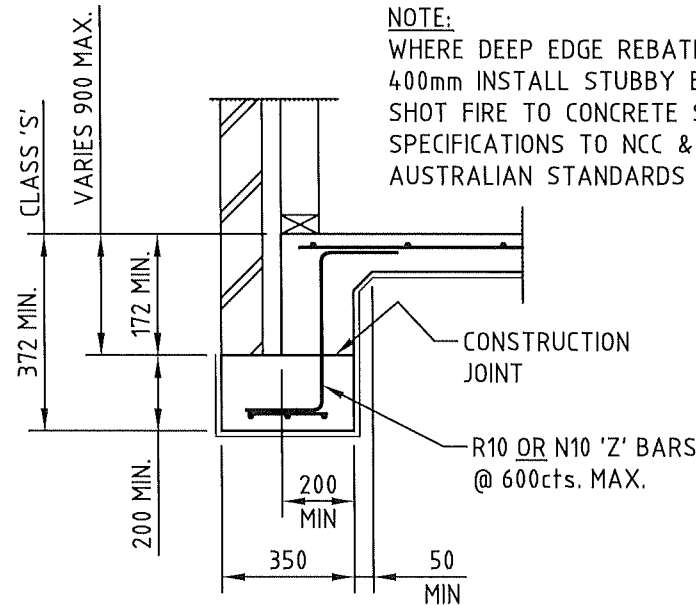
On no account should water be allowed to pond in the building area immediately before, during or after construction.

Trees and shrubs should not be planted within a distance equal to the full grown tree height, away from the building.

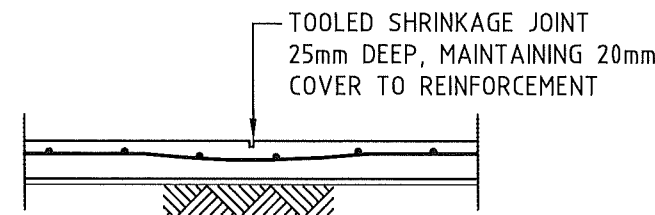
Buildings on reactive clay sites (Class S, M, H, E) may exhibit minor aesthetic cracking. If proper site management procedures are adhered to, such damage will be minimised.



DEEP EDGE REBATE DETAIL



ALTERNATIVE DEEP EDGE REBATE DETAIL FOR CLASS 'A' AND 'S' SITES ONLY



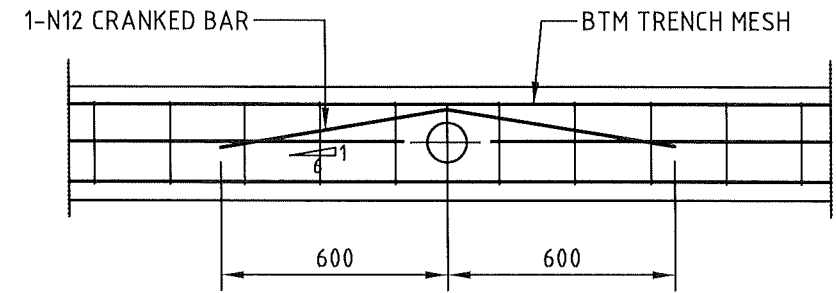
TOOLED SHRINKAGE JOINT (T.S.J.)

SCALE 1:20

NOTE: JOINT TO BE FORMED WITHIN 16 HOURS OF CONCRETE POUR

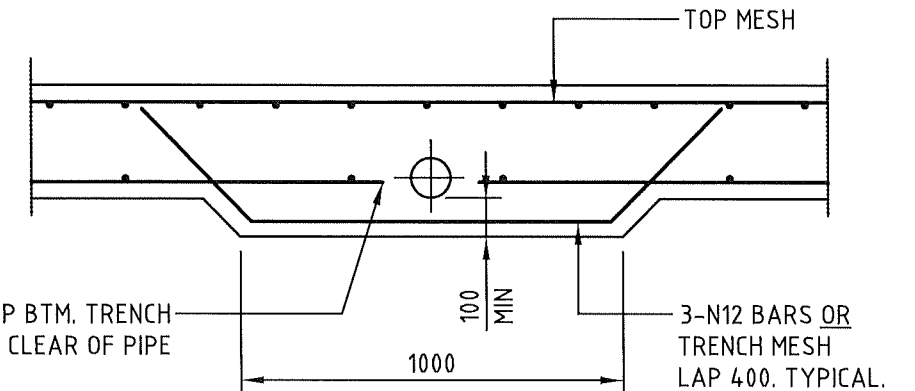
NOTE: LOCAL UPLIFT FORCES ON STRUCTURE MAY REQUIRE SPECIFIC DESIGN FOR TIE DOWN OF FRAME TO FLOOR, IN PARTICULAR AT GIRDER TRUSS SUPPORTS AND LINTEL OPENINGS. BUILDER SHALL CONSULT WITH THE FRAME SUPPLIER PRIOR TO SLAB/FOOTING CONSTRUCTION. REACTIONS IN EXCESS OF 14kN MAY REQUIRE CAST IN TIE RODS FIXED TO ROOF TRUSS.

NOTE: UNREINFORCED EXTERNAL SINGLE LEAF BRICK WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CLAUSE 9.2.2 OF AS 4773.1 AND MAY REQUIRE N12 STARTER BARS PLACED INTO THE CONCRETE SLAB OR STRIP FOOTINGS.



VERTICAL PLUMBING PENETRATION DETAIL-PLAN

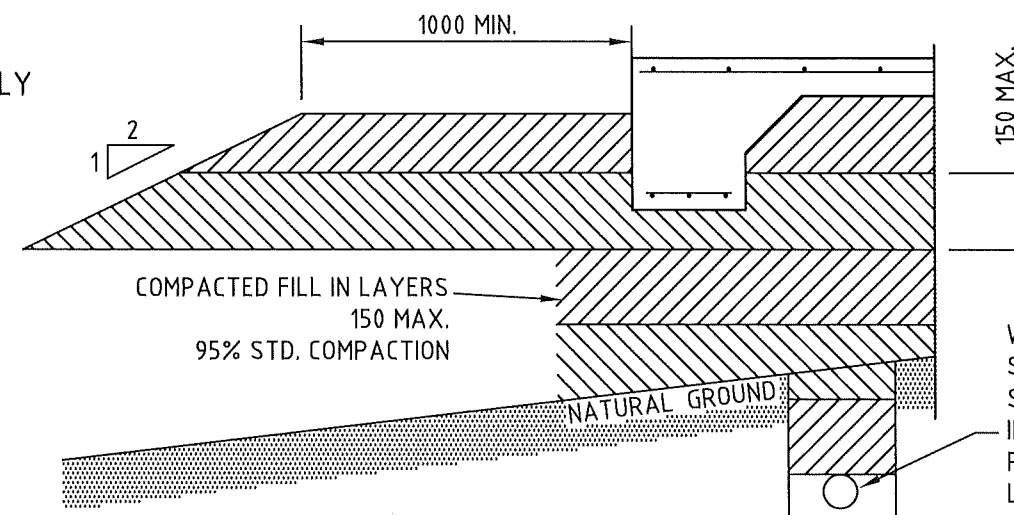
SCALE 1:20



HORIZONTAL PLUMBING PENETRATION DETAIL

SCALE 1:20

WHERE PLUMBING PENETRATION IS WITHIN BEAM BUT NOT WITHIN MIDDLE THIRD OF BEAM



SLAB DETAIL IN CONTROLLED FILL

WHERE SERVICES EXIST BENEATH SLAB/FOOTING PROOF TEST SERVICE TRENCH FILL (95% STD.) IF NECESSARY REPLACE AND REFILL WITH COMPACTED FILL IN LAYERS 150 MAX. 95% STD. COMPACTION

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