

FOOTING LAYOUT PLAN

SCALE 1:100

RAFT/STRIP FOOTING CONSTRUCTION

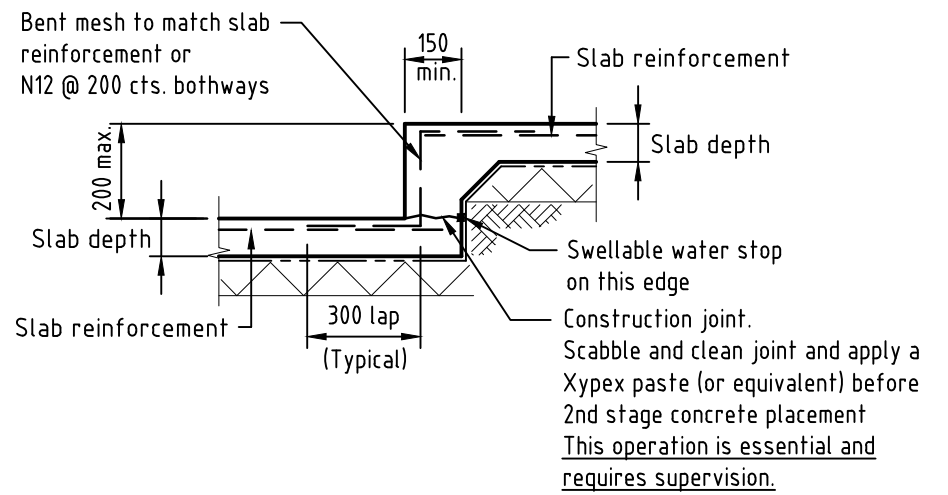
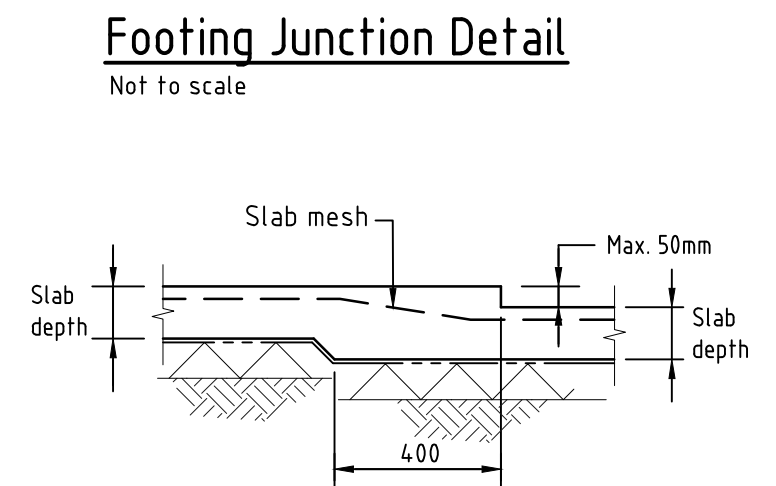
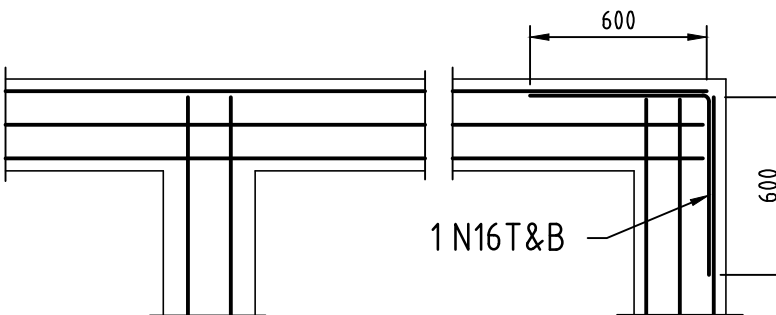
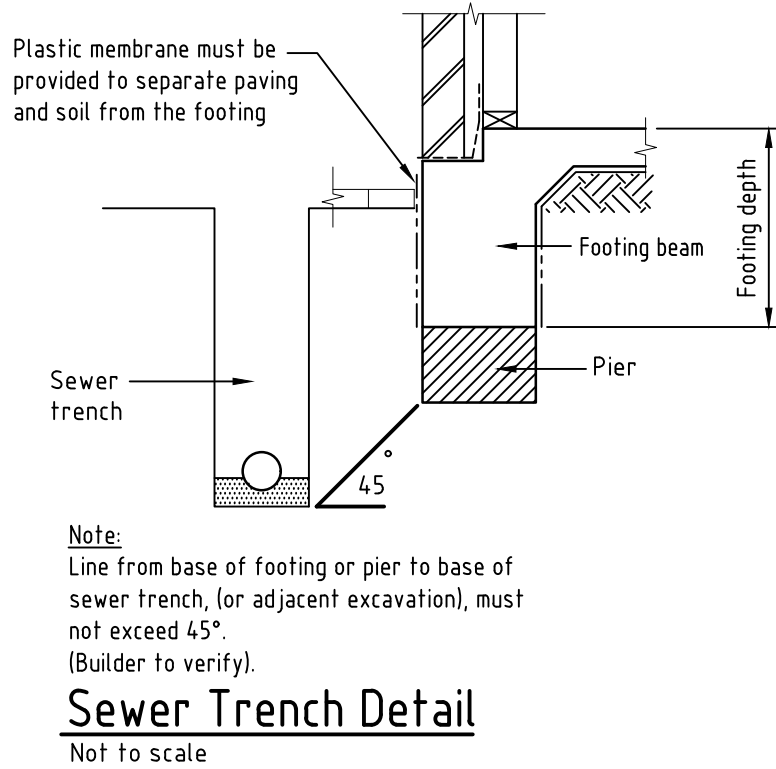
CONCRETE STRENGTH N25 THROUGHOUT

FOOTING SCHEDULE:					
Beam	Overall Depth	Width	Reinforcement		Ligatures
			Top	Bottom	
A	700	300	3N16	3N16	W6@1000 (*)
B	600	300	3N16	3N16	W6@1000 (*)
SLAB (u.n.o)			100	SL92	

(*) Reduce ligature spacing to 300 cts. between piers.

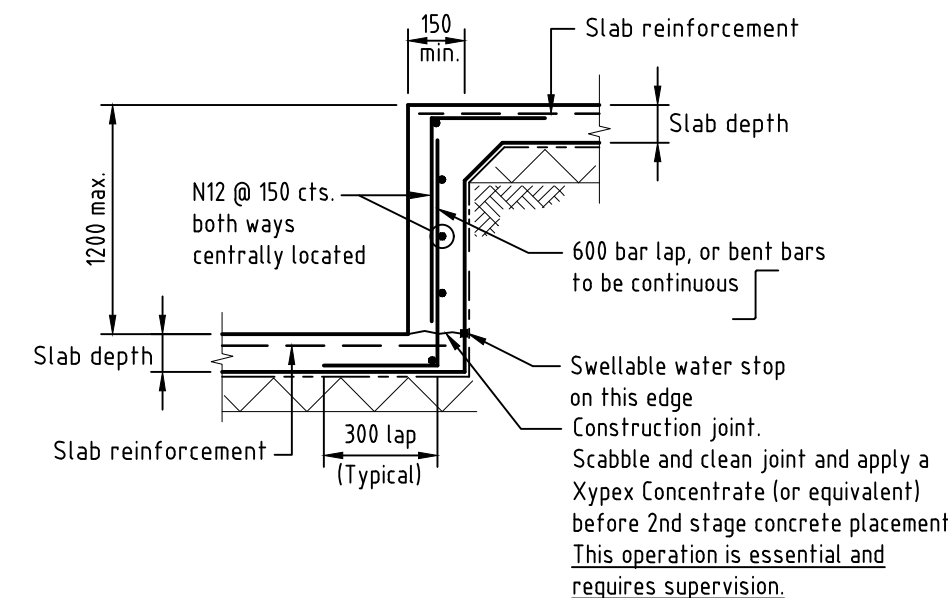
Thick slab and piers as shown are indicative only, extent to be determined on site by the Engineer during the mandatory trench inspection.

Following the demolition of a dwelling with a timber floor or suspended concrete floor and/or the removal of mature trees, the new building site is to be prewet using drippers or weeper hoses for a minimum of two hours per day for two weeks or longer if necessary until all cracks have closed up. For a cleared site, if cracks are visible, it must be prewet as noted above.



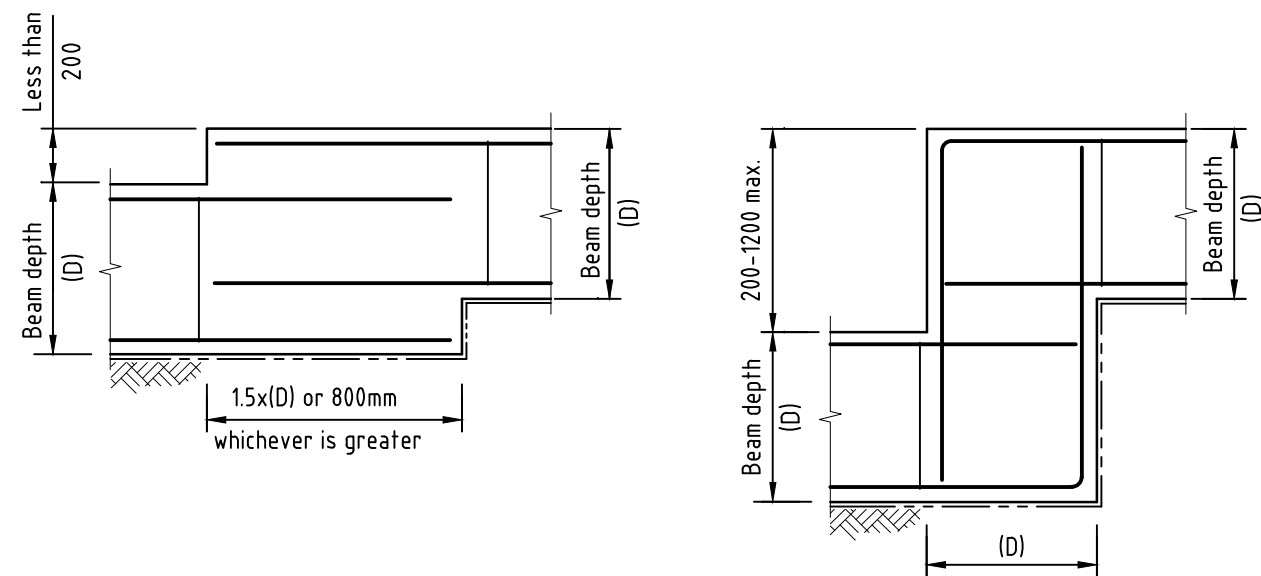
Step in Slab Detail - Up to 200mm high

Not to scale



Step in Slab Detail - Over 200mm high

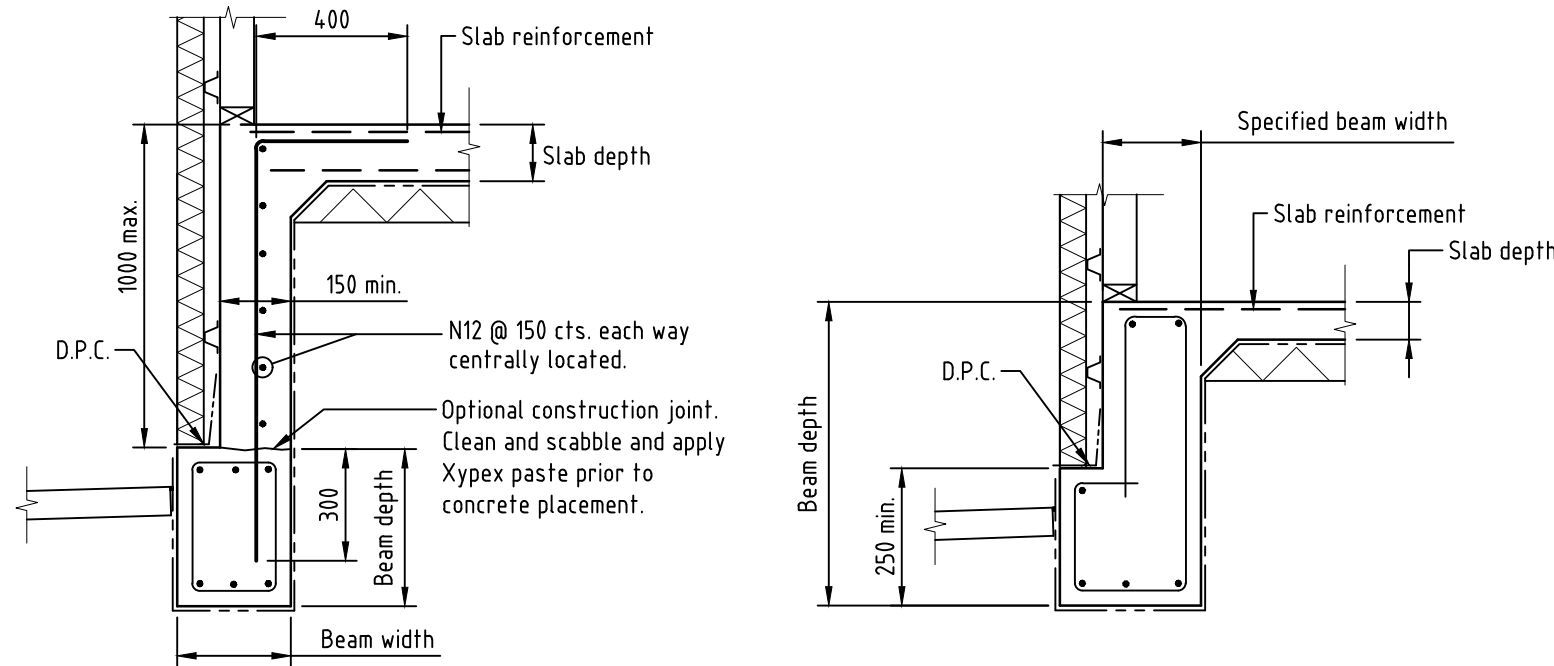
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Step in Footing Beam

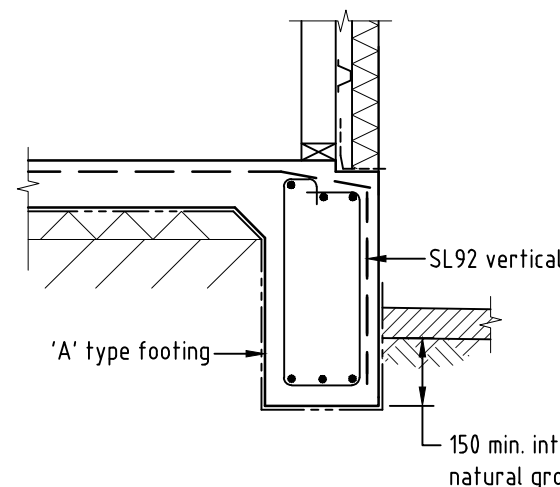
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DENOTED: ON PLAN



Alternative Deep Rebate Details

Not to scale



Exposed/Boxed Up Footing Detail

Not to scale

Footing Notes:

- Refer to Architectural drawings for all setting out dimensions. Any discrepancies between the Engineering and Architectural drawings to be resolved prior to construction commencing. Dimensions shall not be obtained by scaling the Engineering drawings.
- Denotes mastic filled control joint in brickwork to full height, (u.n.o.) Denotes control joint in wall to full height, (u.n.o). Control joints shall be constructed strictly in accordance with AAC panel manufacturer's written instructions. Provide additional control joints in external corners as required by AAC panel manufacturer.
Provide control joints in light weight cladding in accordance with manufacturer's specifications.
- Denotes setback - indicative only Refer to Architectural drawings
- Maintain slab thickness and footing depth at all setbacks.
- In all areas of brittle floor finishes the installation of floor coverings should be delayed by a minimum 3 months after the placement of slab and a two-part rubberised tile fixing compound must be used.
- Reinforcement laps:
Fabric:
Bars: N12-600, N16-800
N20-1000, N24-1200
N28-1600, N32-1800, N36-2000
- All footings to be founded minimum 150mm into firm natural ground or 300mm via piers.
- Where depth of uncompacted fill exceeds 400mm, increase slab depth to 130mm & use SL92 top and bottom.
- The underfloor plumbing pipes should be retested for leaks after the footings are constructed.
- Where plumbing pipes penetrate the footing beams, they shall be lagged with a min. 20mm thick closed cell polyethylene material or similar approved. Lagging to extend from soil face to soil face of sides of footing beam.
- Reinforce every brick course above garage opening. Use 2 W6 rods per leaf. Extend to wall return, brick piers or min. 600 past opening.
- Use 50mm wide strip of ladder mesh per brick leaf for 3 courses above all openings without control joints. Ladder mesh to be continuous between control joints. Refer to note 11 for garage details.
- All structural steelwork adjacent to or over swimming pool & carwash must be hot dipped galvanised to AS/NZS4680 and given a top coat of compatible paint.
For sites greater than 1km from the sea:
All steelwork exposed to the weather or encased in brickwork shall be dry abrasive blast cleaned to Class 2.5 in accordance with AS1627. Shop paint with one coat of inorganic zinc silicate primer with dry film thickness of 80 (±10) microns. Primer to be applied the same day as the surface preparation is carried out. All internal steelwork shall be dry abrasive blast cleaned to Class 1 in accordance with AS1627. Alternatively, the steelwork can be acid descaled as specified in AS1627. Shop paint with one coat of zinc phosphate primer with dry film thickness of 60 (±10) microns. Primer to be applied within 24 hours of completion of surface preparation.
- All footing beams along boundary to be founded minimum 600mm below natural ground line. Where the adjacent ground level on the boundary is above the rebate level of the footing additional measures to damp proof the wall will be required. In some instances a concrete upstand may be required. Contact this office for specific advice as required.
- Plastic membrane must be extended up face of footing beam to top of paving and sealed against footing. Refer details in Footing Construction Report.
- On sloping sites the fill area is to be benched flat along the contour lines prior to receiving fill. Refer to the Footing Construction Report for further details.
- Damp proof membrane must be provided under all concrete slabs on ground. The membrane shall be 0.2mm polyethylene sheet, (Fortecon or similar approved), lapped and taped and complying with AS2870 - Clause 5.3.3.
- All concrete slabs to be continuously cured under plastic membrane for a minimum of 14 days.
- Lintels supporting brickwork must not be vertically propped during brick laying.
- If concrete is to be polished use 150 slab, SL92 top & btm. and N32 concrete. Contact this office for specific details.
- Flexible connections and swivel joints must be used for all stormwater, waste drain and sewer connections at footing/soil interface. Refer to details in the Footing Construction Report.
- Denotes concrete pier min. 1200 long x width of footing and founded a minimum of 300mm into firm natural ground. Maximum spacing between piers not to exceed 3000mm. If depth of pier exceeds 500mm, reinforce with 6N12 vertical bars. Reduce ligature spacing to 300 cts. between piers. Pier layout is indicative only.

NO	AMENDMENT	DATE	INITIAL

FOOTING PLAN AND DETAILS

CLIENT	MR & MRS BLEFARI
SITE	19 ALEXANDER AVENUE CAMPBELLTOWN

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DESIGN	JC	DATE	14.1.20
DRAWN	CH	SCALE	AS SHOWN
REF. NO	180386	SHEET NO	1 OF 2