

Pyramid Design & Drafting
GENERAL BUILDING

ISSUE JANUARY, 2013

SPECIFICATION

FOR RESIDENTIAL CONSTRUCTION

NOTE: DISREGARD ANY PART OF THIS SPECIFICATION THAT IS NOT APPLICABLE WHEN USED FOR MINOR WORKS INCLUDING EXTENSIONS, RENOVATIONS, GARAGES, CARPORTS, ETC.

PROJECT TYPE : PROPOSED BRICK VENEER DWELLING

OWNER : MR & MRS CAMILLERI

PROPERTY ADDRESS : 169 CHURCH STREET, CASTLEREAGH NSW

GENERAL :

This specification details the residential construction work to be executed and materials to be used in the carrying out of the works shown on the accompanying architectural plans.

1.0 EXCAVATIONS :

Site excavations to be in accordance with the approved architectural plans with regards to relative levels, depth of cut and / or fill and extent of excavated building platform beyond the perimeter of any proposed structure.

2.0 TERMITE PROOFING :

Termite proofing to be provided in accordance with Part 3.1.3 of the National Construction Code - B.C.A and manufacturers separate specifications.

3.0 FLOOR SYSTEM :

3.1 Concrete Slab :

All concrete slabs to be constructed in accordance with the accompanying structural engineers detail drawings.

Slab to be in accordance with Part 3.2 of the National Construction Code - B.C.A. and AS 3600, AS 2870.

Slabs to be cured in accordance with AS 3600.

3.2 Timber / Steel flooring :

Footings to external walls and isolated piers to be constructed in accordance with the accompanying structural engineers detail drawings.

Base brickwork to be minimum 90mm thick with minimum 190 x 100 engaged piers at spacings to suit bearers. Isolated piers to be nominally 230 x 230 up to a maximum height of 1800mm. Over this to a maximum height of 2700mm the lower portion to be 350 x 350.

Bearer and floor joists shall be timber framing to comply with AS 1684 or steel framing to comply with AS 4100.

Structural sheet flooring with tongued and groove to be used with moisture resistant sheet flooring in wet areas or as noted on architectural plans.

4.0 FRAMING SYSTEM :

4.1 Framing :

The frame shall be timber framing to comply with Part 3.4.3 of the National Construction Code - B.C.A. and AS 1684. Any steel framing to comply with Part 3.4.2 of the National Construction Code - B.C.A. and AS 4100. The stress grade of the timber used to be in accordance with the framing manufacturers separate specifications.

4.2 Sub – Floor Ventilation :

Provide adequate cross ventilation to the space under the suspended flooring system. Where timber floor construction is used, the minimum clearance from the ground to the underside of the lowest timber is to be 200mm.

4.3 Sub – Floor Access :

Provide access under the suspended flooring system in position indicated on architectural plans.

4.4 Upper Floor Joists :

Upper floor joists shall be timber trussed or softwood floor joists to comply with AS 1684, or steel trussed or cold formed section joists to comply with AS 4100.

4.5 Walls :

Wall framing to comply with AS 1684. Wall bracing in accordance with AS 4055: Wind Loads for Housing.

4.6 Roof Framing :

Roof framing shall be timber trusses to comply with AS 1684 or steel trusses to comply with AS 4100.

Unless otherwise specified on architectural plans, fascia and gutter shall be colourbond steel.

Eaves, verandahs and verge overhangs as indicated on the architectural plans, to be lined with 4.5mm thick fibre cement sheets.

5.0 BRICKWORK :

Brickwork to comply with Part 3.3 of the National Construction Code - B.C.A. and AS 3700.

Brickwork to external walls and internal feature brick walls (where indicated on architectural plans) to be a minimum of 90mm thick. Cavity between brickwork and framing to be a minimum of 25mm with galvanised wall ties at 600mm spacings horizontally and 450mm vertically. Provide one damp proof course in brickwork at underside of bearers for

timber floors and cavity flashing at the first or second bed joint for concrete slab. Provide subfloor ventilation in accordance with the Building Code of Australia.

6.0 ROOF COVERING :

Roof covering to comply with Part 3.5 of the National Construction Code - B.C.A.

The roof covering shall be tiled to comply with AS 2049 or metal sheet roofing to comply with AS 1562.

7.0 CLADDING & LININGS :

7.1 External Claddings and Linings :

Sheet materials shall be fixed in accordance with the manufacturer's specifications.

7.2 Internal Wall and Ceiling Linings :

Provide plasterboard internal wall lining except to wet areas where fibre cement sheeting is to be used (or provide cement render finish where applicable). The lining of wet areas shall be constructed as per AS 3740 or Part 3.8.1 of the National Construction Code - B.C.A.

Ceiling linings to be plasterboard fixed directly to joists or rafters. The junction of walls and ceilings to be installed with plasterboard cornice.

All linings to be fixed in accordance with the manufacturers specifications.

8.0 WINDOWS & DOORS :

All windows and door types to be as shown on architectural plans. Windows to comply with AS 2047, AS 2147 and aluminium framed windows to comply with AS 2047.

Type and manufacturer as selected, fitted with all furniture and fixed in accordance with the particular manufacturer recommendations. Heads and sills to be flashed.

External doors to have draught excluders and threshold weather seal.

9.0 SKIRTINGS & ARCHITRAVES :

Skirtings and architraves shall be dressed all round and stained or painted.

10.0 GLAZING :

Glazing to comply with Part 3.6 of the National Construction Code - B.C.A. Safety glazing in accordance with AS 1288.

Fixing and thickness of glazing to conform with AS 1288.

11.0 CUPBOARDS & CABINETS :

Extent of cupboards and cabinets to be provided as shown on architectural plans.

Cupboard doors and bench tops with materials as selected with kitchen manufacturer. Floor cupboards to have raised floors with toe space under front facade. Doors to be accurately fitted and hung and finished with selected catches and handles.

12.0 PLUMBING :

Gutters to be provided to all eaves, set into position with adequate slope to downpipes. All fixing and joints shall be in accordance with manufacturers requirements. Downpipe positions are to be in accordance with the architectural plans. All flashings and roof plumbing as required.

Provide cold water supply from water meter to all fittings as shown on architectural plans.

Provide hot water system and connection to all fittings as shown on architectural plans.

Provide wet areas in accordance with Part 3.8 of the National Construction Code - B.C.A. and AS 3740.

13.0 WET AREAS :

The wet areas in the building shall be impervious to water as required by Part 3.8 of the National Construction Code - B.C.A. The materials used are to be suitable and installation has been carried out in accordance with AS 3740.

14.0 SEWERAGE & STORMWATER DRAINAGE :

14.1 Mains sewer :

Provide house sewer drainage connection to the sewer junction point supplied by Sewer Authority.

14.2 Septic Sullage System :

Provide house sewer drainage connection to a septic system in accordance with the Local Authority.

14.3 Stormwater :

Stormwater drainage to street kerb or underground drain or absorption trench, or other Local Authority approved discharge point within the site as shown on Site Plan or as shown on separate Hydraulics Plan.

15.0 ELECTRICAL :

Electrical labour and materials to be provided in accordance with the S.A.A regulations and the requirements of the Local Electrical Supply Authority.

Meter box to be provided to enclose meters in accordance with relevant authority requirements.

Smoke alarm(s) are to be installed onto ceiling in appropriate locations in accordance with Part 3.7.2 of the National Construction Code - B.C.A. and AS 3786 and are to be connected to the mains power supply and have standby power supply.

16.0 FITTINGS :

16.1 Kitchen :

Provide kitchen fittings including oven, cooktop, rangehood, microwave, dishwasher, sink and tap ware as indicated on the architectural plans and as selected with kitchen manufacturer.

16.2 Bathroom :

Provide bathroom fittings including vanity, bath tubs, shower compartment, water closets, bidet and tap ware as indicated on the architectural plans.

16.3 Laundry :

Provide laundry tub and tap ware including washing machine provision as indicated on the architectural plans.

17.0 STAIRS, LANDINGS & HANDRAILS :

Provide timber or concrete internal staircase, and timber framed or concrete and brick external landings in accordance with Part 3.9 of the National Construction Code - B.C.A. and as indicated on the architectural plans.

Handrails in accordance with Part 3.9.2 of the National Construction Code - B.C.A. to landings and steps to be provided where shown.

18.0 PAINTING :

All paints, stains and varnishes to be properly mixed and shall be of approved brands. Materials that require priming shall be primed with paint manufacturer's recommended primers. A minimum of two coats of paint to be provided.

Colours to be as selected by the owner.

Internal walls and ceilings, eaves and porch linings to be finished in P.V.A. Internal woodwork to be finished in full gloss enamel or wood stain. Where applicable, brickwork to be finished in acrylic latex.

19.0 PAVING :

Provide clay or concrete paving if shown on architectural plans.

20.0 PORTABLE SANITARY ACCOMMODATION :

Provide portable toilet facilities during construction for the benefit of all people working on the site in accordance with relevant authority requirements.

21.0 RETAINING WALLS :

Retaining walls shall be constructed (where shown on architectural plans) to retain cut and / or fill excavations and shall be designed where appropriate by a Structural Engineer to relevant authority requirements.

