



All piers are to bear on natural sandy soil (See Note F3 for slab preparation & bearing). Slab to be 150 thick. Provide 30 sand under slab.



denotes Design Surface Level

denotes Natural Surface Level

GENERAL
G1, These notes shall be read in conjunction with all architectural and other consultants' drawings and

the By-Laws and Ordinances of the relevant building authorities except where varied by the pro-

G3. All dimensions shown shall be verified by the Builder on site. Engineer's drawings shall not be scaled for

overstressed. Temporary bracing shall be provided by the Builder to keep the works and excavations stable

The foundation materials shall be approved by the Engineer for this pressure before placing reinforcement

to footing excavation and sub-bases to slabs on ground must consist of approved material compacted in

nent	Concrete	Strength	Minimum coment content	Maximum Fly Ash
lings	S25	25 MPa	270 kg/m3	40 kg/m3
oncrete UNO	S32	32 MPa	320 kg/m3	40 kg/m3
crete within 1 km of coastline	S40	40 MPa	350 kg/m3	40 kg/m3

Cast against ground

A1	20	30	30	30	40
A2	20	30	30	40	50
B1	20	40	40	50	60
B2	20	45	45	55	65
ure classification	n for exteri	or concret	e - B1. Cond	rete within 1 km of coastline - B2	

and prevention of loss of moisture for a total of 7 days followed by a gradual drying out. Approved sprayed on curing componds may be used where no floor finishes are proposed. Polythene sheeting or wat hessian

The figures shown following the symbol are the number of millimetre diameters in the bar diameter.

C16, Splices in reinforcement shall be made only in positions shown or otherwise approved in writing by the

C19. Welding of reinforcement shall not be permitted unless shown on the structural drawings or approved

MASONRY WALLS

M1_All workmanship and materials shall be in accordance with AS 3700 M2_Strengths of masonary units and type of mortar shall be as follows:

Fuc (MPa)

Brickwork Blockwork Grade 15 2:1.9

Core filling grout to have a characteristic strength of 25 MPa.

M3. Moriar admixtures shell not be used without written permission of the Engineer.
M4. Masoriny walls supporting sites and beams shall have a pre-greased two layer galvantsed steel slip joint between concrete and masoriny UNO.

of the barrier controlled and instancing or supported by concrete floors shall be provided with vertical joints to match any control joints in the concrete.

MB, Non load bearing walls shall be separated from concrete above by 12mm thick closed cell polythene

strip or Canelle.
M7. No chases or recesses are permitted in load bearing and structural masonry without the written

permission of the Engineer.
M8. All load bearing and structural masonry shall be laid on full beds of mortar and all perpends shall be

fully filled with morter.

M9 Provide vertical control joints at 9m maximum centres, Joints shall be 12mm wide and filled with

T1, All limber design, construction and materials to AS 1720.1 and AS 1720 UNO.

T2 AS 1684 shall be applied to domestic construction in shellered locations.

T3, Softwood to be minimum grade F7 UNO. Hardwood to be minimum grade F14.

T4. Anchor rods and ite down straps to the roof shall be installed that ensure uplift wind forces are transmitted to the foundations unless special fixings are nominated.

U1, Where beams are to be installed to support walls over new openings, walls are to be effectively supported by torming down to solid support, Cut opening and install beams, steel wedge between beam and brickwork to floor over to transfer load from loms and grout between beams and brickwork or floor before removing tomming.

STRUCTURAL STEEL

S1. All workmanship and materials shall be in accordance with AS4100 and AS 1554, except where varied

by the contract documents.

SS, All sleel shall be Grade 250 for plates and Grade 300 for other members UNO.

S3. Three copies of workshop labrication drawings shall be submitted to the Engineer for review at least 10.

working days prior to commencement of fabrication.

4.6/S denotes commercial bolts of Grade 4.6 to AS 1111, snug tightened

8.8/S denotes high strength structural boils of Grade 8.8 to AS 1252, soug lightened. 8.8/TB denotes high strength structural boils of Grade 8.8 to AS 1252, fully tensioned to AS 4100 as a

bearing joint.

8.8/TF denotes high strength structural boils of Grade 8.8 to AS 1252, fully tensioned to AS 4100 as a S5, UNO, all bolts shall be M16 grade 8.8% No connection shall have less than 2 bolts.

35. UNC), all obts shall be first grade 6.05. No connection shall naive less train 2 bottls. So, UNC), all which shall be firm continuous filled type GP using E41XX electrodes. Bult welds shall be complete penetration but welds to A5 1554.
57. TB and TE bottls to be installed using approved load indicating washers.
58. UNC), all cleal platos shall be 10mm thick.

S9. Provide seal plates to hollow sections, with "breather" holes if members are to be hot dip galvanised.

S10. All steelwork shall be securely temporarily braced as necessary to stabilise the structure during

erection. S11. Structural steelwork not encased in concrete shall have surface treatment in accordance with the \$12. The Builder shall provide all cleats and drill all holes necessary for lixing steel to steel and other

elements whether or not detailed in the drawings. \$13. All unexposed steelwork to be primed with R.O.Z.C.

\$14. All stootwork which is exposed or in contact with brickwork, and all lintels, shall be not dip galvanised.

28.8.19 Amend driveway slab ISSUE DATE DESCRIPTION



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MR D CATCHLOVE

PROPOSED DRIVEWAY AT 77 MYOLA ROAD **NEWPORT**

Date

19.10.18

1:100, 1:20

Approved mechanel George

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B.E., M.I.E. Aust. NER (Civil & Structure