

MASONRY

SPECIFIED IN THIS TRADE SECTION IS THE BRICKWORK AND BLOCKWORK CONSTRUCTION. ENSURE THAT WALL TYPES DRAWINGS ARE PREPARED SHOWING THE THICKNESS AND THE FIRE AND ACOUSTIC RATING OF ALL WALL TYPES.

SPECIFIC LOCATIONS, SUCH AS CLOSE PROXIMITY TO THE OCEAN, REQUIRE ALL STEEL TO BE HOT DIP GALVANIZED.

NOTE: IF CHIMNEYS/FLUES ARE SPECIFIED, PLEASE REFER NCC 3.12.3.1 REGARDING DAMPER REQUIREMENTS.

SCOPE OF WORK Perform work described here and shown on drawings including but not limited to:

Supply labour and install materials. Build in miscellaneous materials (flashing, wall ties, damp proof course, anchors etc.)

Include staging, scaffolding and cleaning.

Complete all contract works in accordance with instructions. Execute written variation orders for changes to existing documentation or new work.

Refer to GENERAL REQUIREMENTS before proceeding.

GENERAL

Cooperation: to resolve possible problems before starting work, cooperate and coordinate with other trades, in particular: concrete, structural steel, wall framing, doors and windows.

Australian Standards: comply with the applicable clauses of current editions of these Australian Standards:

AS 1316 2003 (R2016)	Masonry cement.
AS/NZS 1576.1 2010	Scaffolding - General requirements.
AS/NZS 2904 1995	Damp-proof courses and flashings.
AS 3700 2018	Masonry structures.
AS 3959 2009	Construction of buildings in bush-fire prone areas.
AS/NZS 4200.2 2017	Pliable building membranes and underlays - Installation.
AS 4773.2 2015	Masonry in small buildings - Construction.

Refer: Model Code of Practice, Preventing Falls in Housing Construction:

<https://www.safeworkaustralia.gov.au/system/files/documents/1705/mcop-preventing-falls-in-housing-construction-v2.pdf>.

Comply throughout with the current edition of the NCC - National Construction Code (BCA).

MATERIALS TO BE USED No variations to selected materials will be accepted without architect's written approval.

Brickwork: Provide all brickwork to approved submission of samples and to an approved sample panel constructed on site and incorporated into the works. For all face work ensure that efflorescence control measures are submitted with applications made to the sample panel. **E.G EFFLOCK @ 1% TO WATER.**

Coordinate work with structural engineer's requirements for all structural components and ensure that exposure category of the site is incorporated into the detailing of all brickwork.

Blockwork: Provide all blockwork including face work and core filled blockwork as applicable to the works. Read this component of the specification in conjunction with Wall Types drawings and structural engineer's documentation.

Item	Description	Manufacturer/Supplier
IDENTIFY -CLAY BRICKS OR CONCRETE BLOCKS		IDENTIFY
Sizes		
Colour		
Specials		
Sizes		
Colour		
Mortar	6 parts sand, 1 part cement, 1 part lime	
Pigment for mortar		
Reinforcement	Galvanised mesh	
Wall ties		
Damp proof course		
Expansion (control) joints		
Lintels		
Anchors to columns or beams		

ON-SITE ACTIONS

Inspection: visit site and inspect conditions, comparing to drawings before delivery of materials to site. Report any situations requiring preparatory work to the architect. Start of work means total acceptance of conditions.

NOTE: Block or brick walls should be provided with temporary bracing when they reach an unstable height. Clause C11.9.1 of AS 3700 Supplement 1 Masonry Structures states, in part "Generally new masonry walls lacking support from cross walls or returns can be built to a height not exceeding 10 times the thickness of the

wall without the need for temporary support. Lesser heights may apply in regions subject to extremely high winds, or when lightweight masonry is used.

Execution: review work with other trades, piping, ducts etc. Clean base before laying masonry. Set doors and windows plumb, square and braced. Construct a sample wall of 3 square metres. Stop. When approved by architect, continue.

Machine mix. Mortar life: 2 Hours.

Joints: IDENTIFY TOOLED, STRUCK, RECESSED, OTHER. Weep holes at 1200mm centres

Check Bushfire Attack Level for weephole ember proofing insert requirements. Service pipe, cables, etc. all wall penetrations to be sealed airtight, using purpose-made sealing grommets and tapes.

Bonding: Stretcher bond, OTHER:

Bed joints: 10mm. Install DPC, wall ties, reinforcement, flashing to AS 3700.

Install ties to anchor masonry to structure, doors, windows etc. Remove excess mortar from rear of masonry and wall ties in cavity walls at the end of each day. Construction joints at max 6000mm centre. Clean with 5% hydrochloric acid or other manufacturer recommended product, to face work. Bagged finish on completion same material as for mortar. Chase walls no more than 1/3 thickness for conduits and refer to specific requirements where listed on the attached reports.

Install heavy-duty scaffolding, including access and edge protection, to accommodate workers and materials as required by relevant authority requirements.

LINTELS in Masonry walls

REFER AS 4773.2 OR STRUCTURAL ENGINEER WHERE APPLICABLE.

HOT DIP GALVANISE LINTELS TO EXTERNAL OPENINGS.

ADD HERE, IF REQUIRED, MORE TRADE INSTRUCTIONS SPECIFIC TO THIS PROJECT.

END OF SECTION