**SPECIFIED IN THS 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 GALVANZED.**
**NOTE: IF CHIMNEYS/FLUES ARE SPECIFIED, PLEASE REFER NCC 3.12.3.1 REGARDING 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 2019 | Scaffolding - General requirements. |
| AS/NZS 2699 | Built-in components for masonry construction. |
| | 2699.1 2000 Wall ties. |
| | 2699.3 2002 Lintels and shelf angles (durability requirements). |
| AS/NZS 2904 1995 | Damp-proof courses and flashings. |
| AS 3700 2018 | Masonry structures. |
| AS 3959 2018 | Construction of buildings in bush-fire prone areas. *I Amdt 2019.* |
| AS 4055 2012 | Wind loads for housing. |
| AS 4200.2 2017 | Pliable building membranes and underlays - Installation. *I Amdt 2018.* |
| AS 4773 | Masonry in small buildings - |
| | 4773.1 2015 Design. |
| | 4773.2 2015 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 OR AUTOCLAVED AERATED MASONRY | | 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. 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. Arrange for a timely inspection to be approved by the architect before continuing.

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**