

DIVISION 04 MASONRY

Section 04 00 00 Masonry - General

- 1 Ensure all masonry cavity wall systems are comprised of an interior concrete block wall component.
- 2 Design masonry veneered exterior walls so that there is a minimum 25 mm air space between the insulation and the veneer material. Provide baffles in air space to compartmentalize the cavity into zones of equal pressure.
- 3 Mock-ups required.
- 4 Masonry Procedures
 - 4.1 Refer to DC350, Part 1, Section 2, Division 04, 04 00 00, unless specified otherwise.
 - 4.2 Protect freshly laid masonry from curing too rapidly, by means of waterproof, non-staining coverings.

Section 04 05 00 Common Work Results for Masonry

- 1 Mortar and Masonry Grout
 - 1.1 See DC350, Part 1, Section 2, Division 04, 04 05 00.
- 2 Masonry Reinforcement and Connectors
 - 2.1 See DC350, Part 1, Section 2, Division 04, 04 05 00
- 3 Masonry Accessories
 - 3.1 See DC350, Part 1, Section 2, Division 04, 04 05 00.

Section 04 21 00 Clay Unit Masonry

- 1 Jumbo clay brick is an acceptable material for cladding exterior walls.
- 2 Face Brick
 - 2.1 Clay Face Brick: to CSA A82.1.

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- 2.1.1 Type: FBS
- 2.1.2 Grade: SW
- 2.1.3 Size: Metric modular
- 2.1.4 Include special shapes as required

Section 04 22 00 Concrete Unit Masonry

- 1 All corridor walls exposed to traffic and behind coat hanging areas, must be concrete block. Refer to Part 1, Section 2, Division 09, item 09 21 16.
- 2 In learning areas concrete block or abuse resistant drywall is required for all exposed walls.
- 3 Architectural Concrete Block is an acceptable material for cladding exterior walls.
- 4 Materials
 - 4.1 Standard Concrete Masonry Units: to CSA A165.1.
 - 4.1.1 Classification: Hollow units H/15/A/M, solid units S/15/A/M.
 - 4.1.2 Special Shapes:
 - 4.1.2.1 Provide bull-nosed units for all exposed corners and at window sills.
 - 4.1.2.2 Provide purpose-made shapes for lintels and bond beams.
 - 4.1.2.3 Provide additional special shapes as required.
 - 4.2 Architectural Concrete Block
 - 4.2.1 Split Faced and Two Rib Split Faced block. Color to be selected by Architect, in consultation with the Department of Education and school board.
 - 4.2.2 Provide special shapes as required.
 - 4.2.3 Architectural concrete block to: C.S.A. Standard CANS-A.165.

END

**DTIR - DC350
Design Requirements Manual**

**Education Facilities
Detailed
Design Requirements
MASONRY**

**Part 2, Section 2
Division 04**

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