

PART 1 – GENERAL

1.1 GENERAL INSTRUCTIONS

- .1 Read and be governed by conditions of the *Contract Documents*, including Sections of Division 01.

1.2 SECTION INCLUDES

- .1 1.1 General Instructions
- .2 1.2 Section Includes
- .3 1.3 Summary
- .4 1.4 Submittals
- .5 2.1 Materials
- .6 2.2 Source Quality Control
- .7 3.1 Preparation
- .8 3.2 Masonry Procedures

1.3 SUMMARY

- .1 Concrete masonry units:
 - .1 Normal weight units.
 - .2 Ultra light weight units.

1.4 SUBMITTALS

- .1 Submit required submittals in accordance with Section 01 33 00 – Submittal Procedures and Section 04 05 00 – Masonry Procedures.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Concrete masonry units:
 - .1 Comply with CAN/CSA A165 SERIES-04.
 - .2 Include shapes, such as end, bond, sash groove, ledge and lintel units, required to complete the *Work*, with uniform appearance.
 - .1 *Provide* open end blocks where vertical reinforcing occurs in walls.
 - .2 *Provide* knock-out blocks where horizontal reinforcing bars occur in walls.
 - .3 Solid concrete masonry units may be used where grouted block is indicated on the Shop Drawings, whenever reinforcing is not indicated, in lieu of grouted solid installation method.
 - .4 Size: metric.
 - .3 Normal weight units:
 - .1 Hollow units: H/15/A/M, H/20/A/M, and H/30/A/M.

- .2 Semi-solid units: SS/15/A/M, SS/20/A/M, and SS/30/A/M.
- .3 Full solid units: SF/15/A/M, SF/20/A/M, and SF/30/A/M.
- .4 Colour: grey.
- .5 Profiles: as indicated on the Shop Drawings.
- .4 Ultra light weight units:
 - .1 Hollow units: H/15/D/M.
 - .2 Semi-solid units: SS/15/D/M.
 - .3 Full solid units: SF/15/D/M.
 - .4 Colour: grey.
 - .5 Profiles: as indicated on the Shop Drawings.
 - .6 Acceptable *Products*:
 - .1 Richvale Block 'Ultra Lite'
 - .2 Brampton Brick 'Standard & Lightweight Block'
 - .3 Or *Equivalent*.

2.2 SOURCE QUALITY CONTROL

- .1 Perform tests on masonry units to determine compressive strength as required by the *Authorities Having Jurisdiction* in accordance with CAN/CSA A165 SERIES-04.

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Before commencing masonry work, verify that conditions at the *Place of the Work* will allow construction of masonry within required limitations for wall heights, wall thicknesses, openings, bond, anchorage, lateral support, and compressive strengths of masonry units and mortars.

3.2 MASONRY PROCEDURES

- .1 Lay masonry in accordance with Section 04 05 00 – Masonry Procedures and CAN/CSA A371-04, as accepted by the Consultant in mock-up sample wall.

END OF SECTION