

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying masonry work. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements**.1 Exterior Masonry Selection**

- .1 The Project Manager will coordinate brick and stone selection with the Architectural Advisory Committee. Selection prior to tendering is required. Typically the selection process is as follows:
 - .1 Early in design phase, determine if masonry selection is required. Determine criteria with the Project Manager.
 - .2 Choose sample including special shapes and prepare as presentation with drawing, pictures and sample.
 - .3 Project Manager and Architect to meet with the Architectural Advisory Committee.
 - .4 The Architect/Engineer is to modify design accordingly to the Architectural Advisory Committee's comments for bidding documents.

Part 2 Products**2.1 Preferred products**

- .1 Refer to MAT website (www.materialanalysis.ca) for selection of products for this section, except for prescribed items. Products selected on MAT should have score of 5 or above.

2.2 Mortar and Grout

- .1 Mortar ingredients shall consist of Portland cement, sand, hydrated lime, potable water, and inorganic, non-staining, non-fading pigments. The use of calcium chloride or admixtures containing calcium chloride in mortar **is not permitted**.

2.3 Accessories

- .1 All masonry accessories shall consist of galvanized steel.

2.4 Concrete Sealant "Anti-graffiti":

- .1 Shall be Duroplast 901AG as manufactured by Duochem, or approved equivalent.

2.5 Concrete Blocks Units for the Interior

- .1 Laboratories: exposed concrete blocks units in laboratories must be of the closed cells and autoclave types. Exposed corners must be bull nosed. Joints must be concave or flush for ease of cleaning. Concrete blocks in laboratory must be painted.

Part 3 Installation**3.1 Cavities**

- .1 In order to avoid mortar accumulation within the cavity, it is recommended to specify a cavity space of 38 mm.

3.2 Cleaning

- .1 Do not specify acids without prior written approval.

END OF SECTION 04 05 10