

The Executed Agreement including General Conditions and Supplementary Conditions, Division 01, applicable Drawings and amendments are part of and are to be read in conjunction with this Section.

## PART 1 - GENERAL

### 1.1 SUMMARY OF SECTION

- .1 As summarized and described, but not restricted to the following:
  - .1 Provide mortar and grout for stone masonry.
  - .2 This section to be read in conjunction with Section 04 05 00 Common Work Results for Masonry.

### 1.2 REFERENCES

- .1 Canadian Standards Association (CSA)
  - .1 CSA A23.1-14/A23.2-14 – Concrete Materials and Methods of Concrete Construction/Test Methods and Standard Practices for Concrete.
  - .2 CAN/CSA A179-14, Mortar and Grout for Unit Masonry
  - .3 CAN/CSA A371-14 - Masonry Construction for Buildings
  - .4 CSA A3000-13, Cementitious Materials Compendium

### 1.3 SUBMITTALS

- .1 Product Data:
  - .1 Submit manufacturer's printed product literature, MSDS sheets, specifications and data sheets in accordance with Section 01 33 00 Submittal Procedures.
  - .2 Include design mix, indicate whether the Proportion or Property Specification of CAN/CSA-A179 is to be used, required environmental conditions, and admixture limitations.
- .2 Reports:
  - .1 If requested submit reports on mortar indicating conformance of mortar to property requirements of CAN/CSA-A179, component mortar materials to requirements of CAN/CSA-A179 and test and evaluation reports to CAN/CSA-A179.
  - .2 If requested submit reports on grout indicating conformance of component grout materials to requirements of CAN/CSA-A179 and test and evaluation reports to CAN/CSA-A179.
- .3 Samples
  - .1 Submit one (1) sample of each grout, illustrating colour.

### 1.4 ENVIRONMENTAL REQUIREMENTS

- .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of materials.

- .2 Cold and Hot Weather Requirements: Refer to CAN/CSA-A371, and Section 04 05 00 Common Work Results for Masonry.

#### 1.5 DELIVERY, STORAGE AND PROTECTION OF PRODUCT

- .1 Deliver and store materials in compliance with Section 01 61 00 Common Product Requirements.
- .2 Comply with manufacturer's recommendations for handling, storage and protection during installation.
- .3 Protect and store materials off the ground, away from physical damage and from becoming wet, soiled or covered with ice or snow before, during and after installation.
- .4 Label packages to include material name, production date and/or product code.

#### 1.6 QUALITY ASSURANCE/QUALITY CONTROL

- .1 Applicator must be a company specializing in performance of work of this section with five (5) years experience at installation of mortar and grout.

#### 1.7 WASTE MANAGEMENT

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 Construction / Demolition Waste Management and Disposal.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- .1 General:
  - .1 Cementitious Material: CAN/CSA-A179.
  - .2 Portland Cement: CAN/CSA-A3000.
  - .3 Water: Clean and potable.
  - .4 Mortar and Grout Aggregate: to CAN/CSA-A179, fine aggregate.
  - .5 Use same brands of materials and source of aggregate for entire project.
  - .6 Refer to Structural for load bearing mortar.
- .2 Mortar Mix in accordance with "masonry notes" noted on structural drawings S-101.
- .3 Grout:
  - .1 Grout Mixes: Proportion normal density concrete in accordance with CSA-A23.1, to give the following properties for concrete grout in core fills of masonry units.
  - .2 Approved Products:
    - .1 Master Builders Embeco pre-mixed grout

- .2 Sika M-Bed Standard
- .3 Mapei Planigrout 750

### PART 3 - EXECUTION

#### 3.1 EXAMINATION AND INSTALLATION

- .1 Refer to Section 04 05 00 Common Work Results for Masonry.

END OF SECTION