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| Version | Date | Description of Revisions |
| 1 | August 30, 2006 | Approved final document. |
| 2 | November 19, 2007 | Minor revisions by Legal Services. |
| 3 | November 13, 2009 | Modified ‘Related Section’ |
| 4 | March 15, 2011 | Minor changes from Legal. |
| 5 | June 5, 2012 | Added References and Replacement Parts Section |
| 6 | July 3, 2012 | Reformatted to Remove White Space |
| 7 | April 22, 2015 | General formatting |
| 8 | August 24, 2015 | First draft Phase 1 review (AV) |
| **9** | **October 19, 2015** | **Updated, Finalized Specification – Legal Reference eDOCS #6263207 v3 (AV)** |
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NOTE:

This is a CONTROLLED Document. Any documents appearing in paper form are not controlled and should be checked against the on-line file version prior to use.

**Notice:** This Document hardcopy must be used for reference purpose only.

**The on-line copy is the current version of the document.**

# GEneral

## Related Sections

### *[Under "Related Sections", identify other Sections that are related to, and/or dependent on, the work results or information specified elsewhere. The list should be limited to Sections with specific information that the reader might expect to find in this Section, but is specified elsewhere. For example, if hardware for aluminum entrances is specified in the aluminum entrance Section, a cross-reference would be appropriate in the finish hardware Section. The purpose of this cross-referencing is for information only, to aid in finding those other requirements—not to define the scope of the Section.*

### *Cross-referencing here may also be used to coordinate assemblies or systems whose components may span multiple Sections and which must meet certain performance requirements as an assembly or system.*

### *Contractor is responsible for coordination of the Work.*

### *This Section is to be completed/updated during the design development by the Consultant. If it is not applicable to the section for the specific project it may be deleted.]*

### *[List Sections specifying installation of products supplied but not installed under this Section and indicate specific items.]*

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Execution requirements for ...[item]... specified under this Section.

### *[List Sections specifying products installed but not supplied under this Section and indicate specific items.]*

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Product requirements for ...[item]... for installation under this Section.

### *[List Sections specifying related requirements.]*

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: [Optional short phrase indicating relationship].

### .4 Section 01060 – Regulatory Requirements

### .5 Section 01300 – Submittals

## References

### Comply with the latest edition of the following statutes, codes, and standards and all amendments thereto:

#### CSA A179-14, Mortar and Grout for Unit Masonry

## Measurement and Payment

*[Choose one of the following payment language provisions that best suits the individual project.*

*If this Section is not specifically referenced by an item in the Bid Form, please use the following language:*

### The work of this Section will not be measured separately for payment. All costs associated with the work of this Section shall be included in the Contract Price.

*OR If this Section is specifically referenced in the Bid Form, use the following language and identify the relevant item in the Bid Form:*

### All costs associated with the work of this Section shall be included in the price(s) for Item No(s). \_\_\_ in the Bid Form.

### *If the work of this Section is to be measured and paid for by several different methods, please amend the standard wording given above to reflect the different methods of measurement and payment.*]

## Submittals

### Submit samples in accordance with Section 01300 - Submittals.

### Product Data

#### Submit the manufacturer's printed Product literature, specifications and data sheets in accordance with Section 01300 – Submittals.

#### Submit [two] [\_\_\_] copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section [01300 - Submittals] [\_\_\_].

## Quality Assurance

### Test Reports: certified test reports showing compliance with the specified performance characteristics and physical properties.

#### Submit laboratory test reports.

### Certificates: Product certificates signed by the manufacturer certifying that the materials comply with the specified performance characteristics and criteria and the physical requirements.

### Pre-Installation Meetings: conduct pre-installation meetings to verify the project requirements, manufacturer's installation instructions and manufacturer's warranty requirements. Comply with the requirements of Section *[Consultant to add detailed cross references]*.

# PRODUCTS

## Materials

### Use the same brands of materials and source of aggregates for the entire project.

### Mortar [and grout]: in accordance with CSA A179-14.

### Use aggregate passing a 1.18 mm sieve where 6 mm thick joints are indicated in the Contract Documents.

### Colour: ground coloured natural aggregates or metallic oxide pigments.

### Mortar for exterior masonry above grade:

#### Loadbearing: Type [N] [S] [M] based on [Property] [Proportion] specifications. [Consultant to amend with details]

#### Non-loadbearing: Type [N] [S] based on Property Proportion specifications. [Consultant to amend with details]

#### Parapet walls, chimneys, unprotected walls: Type [N] [S] based on [Property] [Proportion] specifications. [Consultant to amend with details]

#### Mortar for foundation walls, manholes, sewers, pavements, walks, patios and other exterior masonry at or below grade: Type M based on [Property] [Proportion] specifications as noted in CSA A179-14 [Consultant to amend with details].

### Mortar for interior masonry:

#### Loadbearing: Type [S] [N] [M] based on [Property] [Proportion] specifications as noted in CSA A179-14.

#### Non-loadbearing: Type [O] [N] based on [Property] [Proportion] specifications as noted in CSA A179-14. [Consultant to amend with details]

### The following applies regardless of the mortar types and uses specified above:

#### Mortar for calcium silicate brick and concrete brick: Type O based on Proportion specifications.

#### Mortar for stonework: Type [N] based on [Proportion] [Property] specifications.

#### Mortar for grouted reinforced masonry: Type [S] based on [Property] [Proportion] specifications. [Consultant to amend with details]Mortar for pointing: Type [S] based on Property Proportion specifications as noted in CSA A179-14.

#### Mortar for glass block: 1 part Portland cement, 1 part hydrated lime, 4 parts aggregate by volume.

### White mortar: use white Portland cement and lime white masonry cement to produce the mortar type specified in the Contract Documents.

### Coloured mortar: use a colouring admixture not exceeding 10% of the cement content by mass, or integrally coloured masonry cement, to produce coloured mortar to match the approved sample.

### Non-staining mortar: use non-staining masonry cement for the cementitious portion of the specified mortar type.

### Grout: in accordance with CSA A179-14, Table 3. [Consultant to verify cross reference to updated standard and amend as required]

#### Parging mortar: Type [N] in accordance with CSA A179-14. [Consultant to amend with details]

## Mixes

### Colour and admixtures: Mix grout to a semi-fluid consistency.

### Coloured mortars: Incorporate [colour] [and] [admixtures] into mixes in accordance with the manufacturer's instructions.

#### Use a clean mixer for coloured mortar.

### Pointing mortar: Pre-hydrate pointing mortar by mixing the dry ingredients, then mix again adding just enough water to produce a damp unworkable mix that will retain its form when pressed into a ball. Allow the mix to stand for a minimum of 1 hour and a maximum of 2 hours, then remix with sufficient water to produce mortar of a proper consistency for pointing.

# EXECUTION

## Manufacturer’s Instructions

### Compliance: comply with the manufacturer's written data, including Product technical bulletins, Product catalogue installation instructions, Product carton installation instructions, and data sheets.

## Construction

### Perform masonry mortar and grout Work in accordance with CSA A179-14 except where specified otherwise in the Contract Documents.

### Apply parging in a uniform coating a minimum of 10 mm in thickness where indicated in the Contract Documents.

## Cleaning

### Upon completion of installation, remove any surplus materials, rubbish, tools and equipment barriers.

## Schedule

*[Consultant to select colour and provide details.]*

### Use white mortar for \_\_\_\_\_\_.

### Use coloured mortar for \_\_\_\_\_\_.

### Use non-staining mortar for \_\_\_\_\_\_.

### .4 Grout the following masonry components \_\_\_\_\_\_.

**END OF SECTION**