

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 01 29 83 - Payment Procedures: Testing Laboratory Services
- .2 Section 01 33 00 - Submittal Procedures
- .3 Section 01 74 19 - Construction/Demolition Waste Management And Disposal
- .4 Section 01 45 00 - Quality Control
- .5 Section 01 61 00 - Common Product Requirements
- .6 Section 03 05 10 - Cast-in-Place Short Form
- .7 Section 04 05 12 - Mortar and Masonry Grout
- .8 Section 04 05 19 - Masonry Anchorage and Reinforcing
- .9 Section 04 05 23 - Masonry Accessories
- .10 Section 04 22 00 - Concrete Unit Masonry
- .11 Section 05 50 00 - Metal Fabrications
- .12 Section 07 27 11 - Air Barrier
- .13 Section 07 21 13 - Board Insulation
- .14 Section 07 92 10 - Joint Sealing

1.2 REFERENCES

- .1 Canadian Standards Association (CSA):
 - .1 CSA-A165 Series-04(R2009) – Standards on Concrete Masonry Units.
 - .2 CSA A179-04(R2009) – Mortar and Grout for Unit Masonry.
 - .3 CSA-A371-04(R2009) – Masonry Construction for Buildings.

1.3 SUBMITTALS

- .1 Product Data.
 - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00.
- .2 Manufacturer's Instructions.
 - .1 Submit manufacturer's installation instructions in accordance with Section 01 33 00.

1.4 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, handle and protect materials in accordance with Section 01 61 00.
- .2 Deliver materials to job site in dry condition.
- .3 Storage and Protection.
 - .1 Keep materials dry until use.
 - .2 Store under waterproof cover on pallets or plank platforms held off ground by means of plank or timber skids.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 19.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, and other packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Unused metal materials are to be diverted from landfill to a metal recycling facility.
- .5 Unused or damaged masonry materials must be diverted from landfill to a local recycling facility.

1.6 SITE CONDITIONS

- .1 Site Environmental Requirements.
 - .1 Cold weather requirements.
 - .1 Supplement Clause 5.15.2 of CSA-A371 with following requirements.
 - .1 Maintain temperature of mortar between 5 degrees C and 50 degrees C until batch is used or becomes stable.
 - .2 Maintain ambient temperature between 5 degrees C and 50 degrees C and protect site from windchill.
 - .2 Hot weather requirements.
 - .1 Protect freshly laid masonry from drying too rapidly, by means of waterproof, non-staining coverings.
 - .2 Keep masonry dry using waterproof, non-staining coverings that extend over walls and down sides sufficient to protect walls from wind driven rain, until masonry work is completed and protected by flashings or other permanent construction.

Part 2 Products

2.1 MATERIALS

- .1 Masonry materials are specified in Related Sections.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.2 PREPARATION

- .1 Provide temporary bracing of masonry work during and after erection until permanent lateral support is in place.

3.3 INSTALLATION

- .1 Do masonry work in accordance with CSA-A371 except where specified otherwise.
- .2 Build masonry plumb, level, and true to line, with vertical joints in alignment.
- .3 Layout coursing and bond to achieve correct coursing heights, and continuity of bond above and below openings, with minimum of cutting.

3.4 CONSTRUCTION

- .1 Exposed masonry.
 - .1 Remove chipped, cracked, and otherwise damaged units, in accordance with CSA A-165, Clause 82.1, and replace with undamaged units.
- .2 Jointing.
 - .1 Allow joints to set just enough to remove excess water, then tool with round jointer to provide smooth, joints true to line, compressed, uniformly expressed.
 - .1 Tool mortar joints for split faced units to a WEATHERED appearance, to match existing mortar joints.
 - .2 Strike flush joints concealed in walls, and joints in walls to receive gypsum board.
- .3 Cutting.
 - .1 Cut out for electrical switches, outlet boxes, and other recessed or built-in objects.
 - .2 Make cuts straight, clean, and free from uneven edges.
- .4 Building-In.
 - .1 Build in items required to be built into masonry.

- .2 Prevent displacement of built-in items during construction. Check plumb, location and alignment frequently, as work progresses.
- .3 Brace door jambs to maintain plumb. Fill spaces between jambs and masonry with mortar.
- .5 Support of loads.
 - .1 Use 30 MPa concrete to Section 03 05 10 where concrete fill is shown to be installed.
 - .2 Use grout to CSA A179 where grout is used in lieu of solid units.
- .6 Control joints.
 - .1 Construct continuous control joints where new exterior split faced units meet existing split faced units, locations shown.
- .7 Interface with other work.
 - .1 Cut openings in existing work as indicated.
 - .2 Openings in walls: approved by Departmental Representative.
 - .3 Make good existing work. Use materials to match existing.

3.5 SITE TOLERANCES

- .1 Tolerances in notes to Clause 5.3 of CSA-A371 apply.

3.6 FIELD QUALITY CONTROL

- .1 Inspection and testing will be carried out by Testing Laboratory designated by Departmental Representative.

3.7 CLEANING

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .2 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.8 PROTECTION

- .1 Protect masonry and other work from marking and other damage. Protect completed work from mortar droppings. Use non-staining coverings.

END OF SECTION