
PART 1 - GENERAL

- 1.1 RELATED REQUIREMENTS
- .1 Section 03 80 00 Lightweight Cellular Concrete.
 - .2 Section 09 91 99 Painting for Minor Works.
- 1.2 REFERENCES
- .1 ASTM International
 - .1 ASTM A 496/A 496M-07, Standard Specification for Steel Wire, Deformed, for Concrete Reinforcement.
 - .2 CSA International
 - .1 CAN/CSA-A165 SERIES-04(R2009), CSA Standards on Concrete Masonry Units covers: A165.1, A165.2, A165.3.
 - .2 CAN/CSA-A179-04(R2009), Mortar and Grout for Unit Masonry.
 - .3 CAN/CSA A371-04(R2009), Masonry Construction for Buildings.
 - .4 CSA G30.18-09, Carbon Steel Bars for Concrete Reinforcement.
 - .3 Green Seal Environmental Standards (GS)
 - .1 GS-11-2008, 2nd Edition, Paints and Coatings.
 - .4 Health Canada / Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- 1.3 ACTION AND INFORMATIONAL SUBMITTALS
- .1 Submit in accordance with Section 01 33 00 - Submittal Procedure].
 - .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for masonry products and include product characteristics, performance criteria, physical size, finish and limitations.
 - .3 Samples:
 - .1 Submit for review and acceptance of each unit.
 - .2 Samples will be returned for inclusion into work.
 - .3 Submit duplicate full size samples of each type masonry units.
- 1.4 DELIVERY, STORAGE AND HANDLING
- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
 - .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
 - .3 Storage and Handling Requirements:
 - .1 Store materials off ground in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect masonry products from nicks, scratches, and blemishes
 - .3 Replace defective or damaged materials with new.

PART 2 - PRODUCTS

- 2.1 MASONRY UNITS .1 Standard concrete block units: to CAN/CSA-A165 Series (CAN/CSA-A165.1).
- .1 Classification: H / 15 / A / M.
 - .2 Size: modular.
- 2.2 MORTAR AND GROUT .1 Mortar: to CAN/CSA-A179.
- .1 Use aggregate passing 1.18 mm sieve where 6 mm thick joints are indicated.
 - .2 Colour: ground coloured natural aggregates or metallic oxide pigments.
- .2 Mortar Type: S based on property specifications,
- .3 Mortar for basement concrete block wall: type M based on property specifications.
- .4 Grout: to CAN/CSA-A179, Table 3.

PART 3 - EXECUTION

- 3.1 EXAMINATION .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's written instructions.
- .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.
- 3.2 INSTALLATION .1 Do masonry work in accordance with CAN/CSA-A371 except where specified otherwise.
- .1 Bond: running stretcher bond with vertical joints in perpendicular alignment and centred on adjacent stretchers above and below.
 - .2 Coursing height: 200 mm for one block and one joint.
 - .3 Jointing: cut joints flush and tooth in blocks.
- .2 Build masonry plumb, level, and true to line, with vertical joints in alignment.
- 3.3 CONSTRUCTION .1 Exposed masonry:
- .1 Remove chipped, cracked, and otherwise damaged units, in exposed masonry and replace with undamaged units.
- .2 Interface with other work:
- .1 Make good existing work. Use materials to match existing.

- 3.4 GROUTING .1 Grout masonry in accordance with CAN/CSA-A179, CAN/CSA-A371 and CSA S304.1 and as indicated.
- 3.5 SITE TOLERANCES .1 Tolerances of CAN/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 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
.1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
.1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.
- 3.8 PROTECTION .1 Protect masonry and other work from marking and other damage. Protect completed work from mortar droppings. Use non-staining coverings.
- .2 Repair damage to adjacent materials caused by masonry products installation.

END OF SECTION