
PART 1 - GENERAL

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| <u>1.1 RELATED REQUIREMENTS</u> | .1 | Section 03 80 00 Lightweight Cellular Concrete. |
| | .2 | Section 09 91 99 Painting for Minor Works. |
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<u>1.2 REFERENCES</u> |
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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). |
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<u>1.3 ACTION AND INFORMATIONAL SUBMITTALS</u> |
.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. |
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<u>1.4 DELIVERY, STORAGE AND HANDLING</u> |
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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.

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| <u>3.4 GROUTING</u> | .1 | Grout masonry in accordance with CAN/CSA-A179, CAN/CSA-A371 and CSA S304.1 and as indicated. |
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| <u>3.5 SITE TOLERANCES</u> | .1 | Tolerances of CAN/CSA-A371 apply. |
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| <u>3.6 FIELD QUALITY CONTROL</u> | .1 | Inspection and testing will be carried out by Testing Laboratory designated by Departmental Representative. |
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| <u>3.7 CLEANING</u> | .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. |
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| <u>3.8 PROTECTION</u> | .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