

SECTION 04810  
UNIT MASONRY ASSEMBLIES

**PART 1 - GENERAL**

**1.1 SUMMARY**

- .1 Provide concrete unit masonry assemblies with anchors, for a complete assembly.
- .2 Provide mortar and grout as indicated and specified.
- .3 Refer also to Structural Drawing Notes.

**1.2 RELATED SECTIONS**

- .1 06100 Rough Carpentry.

**1.3 REFERENCES**

- .1 A653/A653M-03, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .2 CAN3 A371-94, Masonry Construction for Buildings.
- .3 CSA A165.1-94 Masonry units made from Portland cement, water, and aggregates, with or without the inclusion of other materials as defined.
- .4 CSA A179-94, Mortar and Grout for Unit Masonry.
- .5 CSA A370-94, Connectors for Masonry.
- .6 CSA S304.1-94, Masonry Design for Buildings (Limit States Design).

**1.4 SUBMITTALS**

- .1 Submit in accordance with Section 01330 Submittal Procedures.
- .2 Shop drawings: Provide shop drawings for masonry connector design prepared by a structural engineer registered in the Province of British Columbia retained by the Contractor.
- .3 Samples: Submit samples of exposed metal flashing to Consultant for approval.

**1.5 QUALITY ASSURANCE**

- .1 Conduct a pre-construction meeting with masonry contractor and Consultant to review specifications, submittals and construction issues.
- .2 Installers shall be members in good standing of the Canadian Masonry Contractors Association, Masonry Institute of BC, and be qualified under the Technical Masonry Certification (TMC) program.

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

- .1 Concrete Block: To CSA A165.1. Classification: H/15/A/M.
- .2 Connectors: To CSA A370-94 and CSA S304.1, stainless steel.
- .3 Thru-wall Membrane Flashing: Shall be EPDM or S.B.S. modified bitumen peel and stick, minimum 1 mm (40 mils). Primers and mastics as recommended by membrane manufacturer.
- .4 Metal Flashing: To A653/A653M, minimum 24 gauge, galvanized to A653/A653M, ZF275 coating, pre-finished with Stelcolour 8000 series.
- .5 Mortar Mixes: Use mortar of type designated on structural drawings for loadbearing masonry based on proportion specification in accordance with CSA-A179. Use Type N or S mortar for brick veneer and non-loadbearing masonry based on proportion specification in accordance with CSA-A179.

**2.2 ACCESSORIES**

- .1 Weep holes: One-piece flexible extrusion manufactured from ultra-violet resistant polypropylene copolymer, designed to drain moisture in masonry cavities to the exterior, color selected by Consultant from manufacturer's standard range.
- .2 Steel Reinforcing: Types as specified in Section 03300 Cast-in-Place Concrete and indicated on the Structural Drawings.
- .3 Membrane Flashing: Provide membrane flashing as specified in Section 07290 Weather Resistive Barrier.
- .4 Sheet Metal Flashing: Provide metal flashing as specified in Section 07620 Sheet Metal Flashing and Trim.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- .1 Install masonry to CAN3 A371-94 Masonry Construction for Buildings.

END OF SECTION