

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 45 00 – Quality Control
- .2 Section 01 65 00 – Product Delivery Requirements
- .3 Section 05 74 00 – Custom Bronze Components
- .4 Section 10 12 00 – Custom Metal-Framed Glass Display Cases
- .5 Section 12 56 85 – Assembly of Altar Structures

**1.2 REFERENCES**

- .1 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
  - .1 Material Safety Data Sheets (MSDS) for any touch up work on site.
- .2 Definitions:
  - .1 Stone Carving: Stone carving is defined as the work involved to carve and incise stone. This work relies on bringing together the appropriate skills and personnel, materials and procedures that are internationally recognized (and published) as a means toward insuring the stone carving is completed in the most professional and responsible way possible; thereby insuring that all actions will be of the quality required to protect the Altar of Sacrifice.

**1.3 ADMISITRATIVE REQUIREMENTS**

- .1 Coordination.
  - .1 Coordinate the stone carving with the work to produce custom bronze and custom metal-framed glass display case components to assemble altar structures.
  - .2 Coordinate the Work of this section with the fabricator of the custom metal-framed glass display cases and Departmental Representative prior to cutting out the stone table top. Hopton Wood stone tops to be cut to size to ensure an accurate fit for custom metal framed glass display cases.
  - .3 Review stone carving process with Departmental Representative for approval prior to carving stone.
  - .4 Do not change the stone carver without the prior written approval of the Departmental Representative.
  - .5 Co-ordinate work to participate in Shop Assembly of components and on site assembly.
- .2 Pre-Installation Meetings.
  - .1 Participate in pre-installation meeting with component fabricators and Departmental Representative.
- .3 Scheduling.
  - .1 Obtain pre-cut Hopton Wood stone slabs with honed finish from Plouffe Park Shops at 1010 Somerset St. Packing and shipping to be arranged by contractor.

- .2 Obtain pre-finished Pooil Vaaish black marble feet from Plouffe Park Shops at 1010 Somerset Street. Packing and shipping to be arranged by contractor.
- .3 Coordinate work of this Section with schedule of delivery of completed components.
- .4 Reference Sections:
  - .1 Section 01 65 00 – Product Delivery Requirements.
  - .2 Section 12 56 85 – Assembly of Altar Structures.

#### **1.4 SUBMITTALS**

- .1 Product Data.
  - .1 Submit product data in accordance with Section 01 00 10 – General Instructions.
- .2 Shop Drawings.
  - .1 Submit shop drawings in accordance with Section 01 00 10 – General Instructions.
- .3 Mock-Ups.
  - .1 Submit for approval, all templates for hand carved work prior to stone carving. The carving of the letters is as important as the spacing.
  - .2 Submit mock-up of hand carved moulding process and lettering to Departmental Representative for review and approval.
  - .3 Submit mock-up in accordance with Section 01 45 00 – Quality Control.
- .4 Record Documentation.
  - .1 Submit record documentation in accordance with Section 01 00 10 – General Instructions.

#### **1.5 QUALITY CONTROL**

- .1 Reference Sections:
  - .1 Section 01 45 00 – Quality Control.

### **Part 2 Products**

#### **2.1 GOVERNMENT OWNED MATERIALS**

- .1 Six (6) Hopton Wood stone pre-cut stone slabs ready for cutting and carving.
- .2 Twenty-four (24) pre-finished Pooil Vassish black marble stone feet for the six (6) altars; four (4) stone feet per altar structure.

#### **2.2 MATERIALS**

- .1 Carver is to supply their own tools and equipment, as well as abrasives and polishing/honing compound.

**Part 3 Execution**

**3.1 CUTTING**

- .1 Cut out centre section of Hopton Wood stone altar tops to receive custom metal framed glass display cases. Co-ordinate work to ensure exact fit for each display case.

**3.2 CARVING**

- .1 Perform stone carving in accordance with design and dimensions shown on Contract Drawings and approved shop drawings for:
  - .1 Hand-carve custom moulding profile.
    - .1 Cut moulding on all four (4) edges and finish with honed finish, not polished.
    - .2 The moulding can be cut by hand or by machine.
    - .3 No power tools marks are to be visible on the final finish.
  - .2 Layout inscription based on the font and text provided. The layout can be on paper or directly onto the moulding. Departmental Representative to review and approve layout prior to carving.
  - .3 Hand-carve individual inscriptions in raised lettering.
    - .1 Width will vary according to letter.
    - .2 Final finish on carving must be done by hand to complement existing carving on the Altar of Sacrifice in the Memorial Chamber.
    - .3 If desired, letters can be roughed out with fine high-speed rotary burrs, such as diamond or tungsten carbide, with the final finish on edges of letters, corners and background completed by hand chiseled finish.
    - .4 Marks left by rotary burrs will not be accepted.
    - .5 Sand blasted lettering will not be accepted.
  - .4 Drill holes to accept decorative bronze medallion specific to each altar structure. Exact location of hole to be co-ordinated with Departmental Representative. Medallions will just be pinned and adhered to top by Departmental Representative.

**3.3 PACKING, HANDLING AND TRANSPORT**

- .2 Brace, secure, protect, package and transport pre-finished honed and cut out Hopton Wood stone altar tops and pre-finished stone feet to protect from damage during shipment and installation in accordance with Section 01 65 00 – Product Delivery Requirements.

**END OF SECTION**