

SECTION 04 73 11
MEMORIAL WALL MARKERS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 1 - GENERAL REQUIREMENTS, which are hereby made part of this Section of the Specifications.

1.2 DESCRIPTION

- A. Work Included: Provide labor and materials necessary to complete the work of this Section, including but not limited to the following:
1. The Department of Veterans Affairs (VA) shall furnish 720 memorial wall markers for installation in the memorial wall(s) to be constructed by the Contractor. This specification section provides all work necessary for the Contractor to accept, handle, store, move and install one approved blank memorial wall marker for each of the memorial wall marker sites in the new memorial wall(s).
 2. The number of approved government provided spare memorial wall markers for this project to be accepted, offloaded and stored at the location designated by the Resident Engineer is 180.

1.3 INSTALLER QUALIFICATIONS

- A. Installation of memorial wall markers will be performed by those companies who, through an approved certification process, have demonstrated previous experience in installation of similar design as indicated in the drawings and specified herein.

1.4 RELATED WORK

- A. The following items are not included in this Section and will be performed under the designated Sections:
1. Section 04 20 00: UNIT MASONRY, the concrete unit masonry memorial wall units with: memorial wall marker mounting hardware assemblies (installed); and memorial wall marker attachment hardware assemblies (provided for use to attach the Government provided memorial markers). The memorial marker mounting hardware assemblies shall be furnished and installed at the corners of the memorial markers, whether they adjoin other markers, filler strips, or are a shadow box concrete installation. Refer to the drawings for specific details. A memorial wall marker attachment hardware assembly will secure the corner of each approved government provided memorial wall marker, as shown on the drawings.

1.5 SUSTAINABILITY REQUIREMENTS

- A. Materials in this section may contribute towards contract compliance with sustainability requirements. See Section 01 81 11, LEED CONSTRUCTION REQUIREMENTS, for project low-emitting materials, recycled content, requirements.
- B. Biobased Material: For products designated by the USDA's BioPreferred® program, provide products that meet or exceed USDA recommendations for biobased content, subject to the products compliance with performance requirements in this Section. For more information regarding the product categories covered by the BioPreferred® program, please visit <http://www.biopreferred.gov/>.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 MEMORIAL WALL MARKERS (GOVERNMENT PROVIDED) - CONTRACTOR ACCEPTANCE

- A. Memorial wall markers that have been inspected and accepted as being in compliance with manufacturing tolerances for size, perpendicularity, finish, and product stone quality shall be furnished by the Government and delivered to the site on pallets. They shall be of size, type, manufacturing, finish and quantities required for this project. The markers shall be delivered to the site Freight on Board (FOB) and the Contractor shall be responsible to offload and secure them at the job site. The general quantity and condition shall be observed and an adequate count to cover all the intended memorial wall marker locations, plus required spares, shall be verified by the Contractor prior to accepting the units and performing the offloading operations. The Contractor shall note any shipping damage and reject any damaged markers before the delivery truck leaves the site. Once satisfied, the Contractor shall take ownership of the acceptable markers, as all being approved as meeting the government specifications and being suitable for installation at this project. Once the memorial markers are accepted at the site, they shall become the Contractor's responsibility until installed and the installation is accepted by the Resident Engineer.

3.2 INSPECTION

- A. All materials shall be inspected prior to installation to insure compliance with the contract documents and to insure there is no damage. Should conditions be different from those indicated on the

contract documents, contractor should immediately notify the Resident Engineer.

3.3 MEMORIAL WALL MARKER ATTACHMENT HARDWARE

- A. Hardware for attachment shall be specifically designed for attaching markers that will be engraved. The hardware is designed to be recessed or totally hidden, except for the rosettes at the corners of the markers and the hardware visible through the cracks between the individual markers, or. The hardware allows for the removal of an individual marker for engraving without having to remove multiple markers. The material for the attachment hardware shall be verified to be compatible with stainless steel rosettes and rosette attachment screws, without adverse reactions during the submittal process. The hardware provided shall not cause staining on the markers. The marker attachment hardware shall only be visible when looking in the cracks between or adjoining the markers, and shall be installed being recessed from the face of the markers. The marker attachment hardware shall be suitable for the project installation using concrete unit masonry memorial wall installation(s). The shop drawing and submittal process shall be used to indicate that the installation of the memorial wall markers is in compliance with design and installation as indicated in the drawings. The submittal, shop drawings and narrative of the work to be performed and coordinated shall clearly indicate how the work is to be coordinated, from the installation of the memorial wall concrete core to the completed installation of the memorial wall markers in the finished memorial wall(s). The attachment hardware shall be suitable for a permanent installation, out of doors, be suitable for the indicated loads, and shall produce the finish installation as indicated on the contract drawings.
- B. The Contractor performing the installation of the memorial wall markers shall maintain control of the memorial wall marker attachment hardware assemblies from delivery to the site through acceptance of the installation of the government provided memorial wall markers.

3.4 INSTALLATION

- A. Installation of the government provided memorial wall markers shall include all materials, manpower, tools and equipment required to receive the approved government provided memorial wall markers from the manufacturer, and handle them as necessary and perform whatever work is

needed to result in the successful installation of one memorial marker for every marker location in the memorial wall(s), as indicated on the drawings.

- B. The installation shall be such that the joints are straight, even width or height, and the face of the markers shall all be in the same plane as the face of wall with a maximum allowable deviation from the plane of 1 mm (1/32").
- C. The installation of the memorial wall markers shall be coordinated with the work of constructing and finishing the memorial wall as designed so the end result is a complete and accepted memorial wall installation with the government provided memorial wall markers installed as indicated in the drawings, details, notes and specifications.

3.5 CLEANING AND PROTECTION

- A. Memorial wall markers shall be shop cleaned at the time of fabrication. After installation, carefully clean the markers, removing all dirt stains, and all other incident defacements.
 - 1. Stiff bristle fiber brushes may be used, but the use of wire brushes or acid-type cleaning agents and other solutions which may cause discoloration is expressly prohibited. Fabricator should be contacted regarding the use of any cleaners and must approve of them before use.
 - 2. Protection of Finished Work: All markers that are installed as part of the work in progress shall be protected at all times during construction by use of a suitable strong, impervious film or fabric securely held in place.
- B. Clean up area of excess material and debris.

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