

SECTION 10 90 99  
MISCELLANEOUS SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Miscellaneous specialties work includes furnishing and installing items shop fabricated, job fabricated and manufactured items not part of other sections of these specifications.

1.2 ACTION SUBMITTALS

- A. Product Data: Submit on each time prior to starting this work and sufficiently early to coordinate with other work. Samples may be submitted in lieu of literature if approved by Architect.
- B. Shop Drawings: Submit shop drawings for Architect's review. Completeness of shop drawings shall be sufficient to indicate compliance with Contract Documents and to correlate with other materials. In general, they shall indicate size, material, quantity, finish, attachment methods, connections, weight, performance data, etc., depending on specifications.
  - 1. For all lifting and hoisting specialties, indicate direct connecting anchorage to structural components in sufficient detail to confirm intent and to maintain structural integrity. Provide sufficient information to convey all connection points, components and accessories intended to be used and all other components for review and confirmation by the Architect and Structural Engineer of Record. Do not place added loads on structural members prior to approval of submittals.

1.3 CLOSEOUT SUBMITTALS

- A. Operation Instructions: Provide printed or written instructions for Owner to follow in proper operation of equipment. Instruct and demonstrate proper operation to Owner's representative. Record details of such instructions and file copies with Owner and the Architect for record.

1.4 QUALITY ASSURANCE

- A. Catalog Standards: Manufacturer's catalog numbers or names may be indicated on drawings or specified for convenience in identifying certain miscellaneous specialties items. Unless modified by notation on drawings or otherwise specified, manufacturer's current catalog description for indicated number, together with indicated or specified in options or accessories, constitutes requirements for each such unit.
- B. Used of catalog numbers, and specific requirements indicated on drawings and in specification, are not intended to preclude use of equivalent products by other acceptable manufacturers, but are given for purpose of establishing standard of design and quality for materials, construction and workmanship.

- C. Certification: submit manufacturer's certificate stating that materials furnished comply with specified requirements. Include supporting certified testing data indicating that material meets specified requirements.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to protect site in original factory wrappings and containers, clearly labeled with identification of manufacturer, brand name, quality or grade, fire performance characteristics, and lot number.
- B. Store miscellaneous blocked off ground to prevent sagging and warping, in original undamaged packages and containers, inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
- C. Comply with instructions and recommendations of manufacturer for special delivery, storage, and handling requirements.

#### 1.6 PROJECT/SITE CONDITIONS

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to ensure proper fitting of work. However, allow for adjustments within specified tolerances where ever taking of field measurements before fabrication might delay work.
- B. Coordination:
  - 1. Furnish inserts and anchorages which must be built into other work for installation of miscellaneous specialties and related work; coordinate delivery with other work to avoid delay.
  - 2. Coordinate with the local Fire Marshal and Local Authority Having Jurisdiction prior to Bid on the total number and locations for all Knox Box units. The Base Scope of Work shall include the total number of Knox Box units and their respective locations as desired by the local Fire Marshal and Local Authority Having Jurisdiction.

#### 1.7 SEQUENCING AND SCHEDULING

- A. Sequence delivery and installation of miscellaneous specialties items until construction is ready for their installation to minimize possibility of damage.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. For all lifting and hoisting specialties, provide direct connecting anchorage to structural components as indicated and confirmed by the Architect to maintain structural integrity. Verify all connections in submittals for review and confirmation by the Architect and Structural Engineer of Record.

## 2.2 APPROVED MANUFACTURERS

- A. Manufacturer(s) listed herein are included for convenience of Contractor in establishing quality, performance, function, and aesthetic appearance acceptable to Architect.
- B. Other manufacturers approved by Architect may be used whose qualities meet or exceed specified manufacturer.

## 2.3 KNOX BOX

- A. Contractor to provide Knox Key Switch Model 3502 per Local Fire Department specifications total qualities and locations confirmed and coordinated with the local Fire Marshal and Local Authority Having Jurisdiction. Include battery back-up and provide manual mechanical disconnect, accessible to emergency personnel. General locations shall include but not be limited to the following:
  - 1. Each site entry gate.
  - 2. Building front entry.
  - 3. Sprinkler riser room.
  - 4. Additional locations and quantities as may be required by the local Fire Marshal and Local Authority Having Jurisdiction.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verification of Conditions: Examine the substrate conditions under which units of miscellaneous specialties and equipment are to be installed and notify Contractor in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to installer.

### 3.2 PREPARATION

- A. Coordination: Coordinate work of this Section with related work of other Sections to obtain proper installation of items. Contractor shall acquaint himself with work of other Sections whose work abuts, adjoins, or is affected by or related to work under this Section.

### 3.3 INSTALLATION

- A. Install units in accordance with manufacturer's instructions, using concealed fasteners appropriate to substrate and recommend by manufacturer of units. Install units plumb and level, firmly anchored in locations and at heights indicated.
- B. For all lifting and hoisting specialties, provide direct connecting anchorage to structural components as indicated and confirmed by the Engineer of Record to maintain structural integrity. Verify all connections in submittals for review and confirmation by the Architect and Structural Engineer of Record.

- C. Provide Know Box installations total quantities and locations confirmed and coordinated with the local Fire Marshal and Local Authority Having Jurisdiction. Any additional units shall be provided at no additional cost to the Project or Owner.

#### 3.4 FIELD QUALITY CONTROL

- A. Test and Examinations: After installation, equipment shall be examined and sufficiently tested under operating conditions to determine that the unit has been installed correctly and will function properly. If inspection shows defects, such defects shall be corrected, defective material replaced, and inspection repeated. Such repairs shall be made with new material at no additional expense to the Owner.

#### 3.5 CLEANING

- A. At completion of installation clean and polish all exposed surface and units in strict accordance with manufacturer's instructions after removing temporary labels and protective coating.

#### 3.6 PROTECTION

- A. Protect installed units from damage and soiling until acceptance by Owner.

END OF SECTION