

## **SECTION 10 5500**

### **POSTAL SPECIALTIES**

#### **PART 1 GENERAL**

##### **1.1 SUMMARY**

- A. Work of this Section includes the following:
  - 1. Mailboxes for residential units.
  - 2. Parcel boxes.
  - 3. Outgoing mailboxes.
- B. Related Documents and Sections: Examine Contract Documents for requirements that directly affect or are affected by Work of this Section. Other Documents and Sections that directly relate to work of this Section include, but are not limited to:
  - 1. General provisions of the Contract, including General and Supplementary Conditions, and Division 01 General Requirements Specification Sections.
  - 2. Section 079200 - JOINT SEALANTS.
  - 3. Section 092116 - GYPSUM BOARD ASSEMBLIES

##### **1.2 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of postal specialty.
- B. Shop Drawings: For each type of postal specialty. Include plans, elevations, sections, details, and attachments to other work.
  - 1. Include identification sequence for compartments.
  - 2. Include layout of identification text.
  - 3. Include setting drawings, templates, and installation instructions for anchor bolts and other anchorages installed as part of the work of other Sections.
  - 4. Include dimensions and finishes to confirm ADA compliance.
- C. Samples for Initial Selection: For units with factory-applied color finishes.
- D. Samples for Verification: For each type of exposed finish required, prepared on 6-by-6-inch square Samples.
- E. Product Certificates: For each type of postal specialty required to comply with USPS regulations, signed by product manufacturer.
- F. Maintenance Data: For postal specialties and finishes to include in maintenance manuals.
- G. Maintenance Material Submittals: Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Key Blanks: 50 for every 250 locks or fraction thereof, for each type of compartment-door lock installed.

##### **1.3 QUALITY ASSURANCE**

- A. Installer Qualifications: An authorized representative of postal specialty manufacturer for

installation of units required for this Project.

- B. Source Limitations: Obtain postal specialties through one source from a single manufacturer.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver lock keys to Owner by registered mail or overnight package service with a record of each corresponding lock and key number.

#### 1.5 COORDINATION

- A. Coordinate layout and installation of recessed postal specialties with wall construction.
- B. Templates: Obtain templates for installing postal specialties and distribute to parties involved.

#### 1.6 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of postal specialties that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures.
    - b. Faulty operation of hardware, except door locks.
    - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
  - 2. Warranty Period: Five (5) years from date of Substantial Completion.

### PART 2 PRODUCTS

#### 2.1 MATERIALS

- A. Aluminum: Manufacturer's standard alloy and temper for type of use and finish indicated, and as follows:
  - 1. Sheet and Plate: ASTM B 209.
  - 2. Extruded Shapes: ASTM B 221.
- B. Stainless-Steel Anchor Bolts, Nuts, and Washers: ASTM A 193/A 193M, Grade B8M, Type 316.

#### 2.2 MANUFACTURERS

- A. Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - 1. American Postal Manufacturing Co.; Division of Postal Products Unlimited, Inc.
  - 2. Auth-Florence Manufacturing; a Florence company.
  - 3. Bommer Industries, Inc.
  - 4. Salsbury Industries.

#### 2.3 MAIL RECEPTACLES

- A. Basis-of-Design Product: As selected by the Architect.

#### 2.4 PARCEL BOXES

- A. Basis-of-Design Product: As selected by the Architect.

## 2.5 OUTGOING MAILBOXES

- A. Basis-of-Design Product: As selected by the Architect.

## 2.6 FABRICATION

- A. Form postal specialties to required shapes and sizes, with true lines and angles, square, rigid, and without warp, and with metal faces flat and free of dents or distortion. Make exposed metal edges and corners free of sharp edges and burrs and safe to touch. Fabricate doors of postal specialties to preclude binding, warping, or misalignment.
- B. Preassemble postal specialties in shop to greatest extent possible to minimize field assembly.
- C. Mill joints to a tight, hairline fit. Cope or miter corner joints. Form joints exposed to weather to exclude water penetration.
- D. Drill or punch holes required for fasteners and remove burrs. Use security fasteners where fasteners are exposed. If used, seal external rivets before finishing.
- E. Weld in concealed locations to greatest extent possible without distorting or discoloring exposed surfaces. Remove weld spatter and welding oxides from exposed surfaces.
- F. Fabricate tubular and channel frame assemblies with manufacturer's standard welded or mechanical joints. Provide subframes and reinforcement as required for a complete system to support loads.
- G. Where dissimilar metals contact each other, protect against galvanic action by painting contact surfaces with bituminous coating or by applying other permanent separation as recommended by manufacturers of dissimilar metals.

## 2.7 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM/NOMMA's "Metal Finishes Manual for Architectural and Metal Products (AMP 500-06)" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## PART 3 EXECUTION

### 3.1 COORDINATION

- A. Coordinate layout and installation of recessed postal specialties with wall construction.
- B. Templates: Obtain and distribute to parties involved templates for installing postal specialties.

### 3.2 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, roughing-in openings, clearances, and other conditions affecting performance of work.
  - 1. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to

performance of work.

- B. Examine walls for suitable conditions where recessed units will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.3 INSTALLATION

- A. General: Install postal specialties level and plumb, according to manufacturer's written instructions and roughing-in drawings.
  - 1. Metal Protection: Where aluminum and copper alloys will contact grout, concrete, masonry, wood, or dissimilar metals, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturers of dissimilar metals.
  - 2. Final acceptance depends on compliance with USPS requirements.

### 3.4 FIELD QUALITY CONTROL

- A. Arrange for USPS personnel to test collection boxes after installation according to USPS regulations.
- B. Obtain written final approval from USPS postmaster that authorizes mail collection.

**END OF SECTION**