

**SECTION 14 91 33**

**LINEN CHUTE**

**PART 1 - GENERAL**

**1.1 SECTION INCLUDES**

- A. Prefabricated Linen Chute System.

**1.2 RELATED SECTIONS**

- A. Section 09 22 16 - Non-Structural Metal Framing
- B. Section 09 29 00 - Gypsum Board

**1.3 SUBMITTALS**

- A. Catalog Cuts: Before the linen chute is delivered to the job site, submit catalog cuts to the Architect in accordance with these specifications, showing all details of installation and assembly and all requirements for work by other trades.
- B. Product Data: Manufacturer's product specifications, standard details and recommendations for project conditions; indicate selected sizes and installation details specific to the project.
- C. Shop Drawings:
  - 1. Plans: Scale  $\frac{1}{4}$  inch to 1 foot; indicate locations, dimensions, and required associated construction activities.
  - 2. Elevations / Sections: Scale  $\frac{1}{4}$  inch to 1 foot; indicate locations, dimensions, and required associated required construction activities.
  - 3. Details: Scale  $\frac{1}{4}$  inch to 1 foot; indicate:
    - a. Shop drawings specific to project conditions.
    - b. Interface with adjacent construction.
    - c. Dimensions and tolerances.
    - d. Products required for installation of the linen chute, but not supplied by linen chute manufacturer.
- D. Close-out Submittals:
  - 1. Operation and Maintenance Data:
    - a. Manufacturer's printed Operational Manual.
  - 2. Warranty Documents: Issued and executed by the manufacturer and installer of the system.

**1.4 QUALITY ASSURANCE**

- A. Qualifications:
  - 1. Manufacturer: Minimum five (5) years documented experience-producing products specified in this section.

2. Installer: Approved by the Manufacturer, and having a minimum of five (5) years experience.

#### **1.5 WARRANTY**

- A. Manufacturer's warranty: Furnish manufacturer's standard one (1) year warranty from date of installation. Warranty shall apply to defects in product workmanship and material only.

### **PART 2 - PRODUCTS**

#### **2.1 PRODUCTS:**

- A. Provide all prefabricated linen chute components and selected accessory options from a single manufacturer.
- B. Components:
  1. The chute shall be 24" diameter of U.S. # 16 gauge aluminized steel.
  2. Doors: 18 inches wide x 18 inches high, hand operated intake doors, self-closing, side hinged with 1-1/2 hour "UL" label; maximum 30 minute, 250° F temperature rise. Stainless steel with No. 3 type finish. ADA compliant lever handle with 2 keys.
  3. Discharge: Top hinged, 24 inches wide x 30 inches high, "UL" labeled door, held open by 165° fusible link. Hopper complete with adjustable pedestal for support. Includes 2" IPS drain flange (for connection by others).
  4. Vent: Full diameter vent extending 3 feet (per NFPA Code 82; 2003) above roof with metal safety cap.
  5. Floor Frames: Standard floor frames are 1-1/2" x 1-1/2" x 3/16" steel angles.
  6. Standard Accessories: 1/2" NPT sprinkler and 3/4" NPT flushing head above top intake. Additional 1/2" sprinkler heads at alternate intake floors as required by NFPA Code 82.  
Furnished ONLY for connection by others.

#### **2.2 FABRICATION**

- A. The linen chute shall be fully factory assembled and all joints, except those required to separate the sections for shipment and installation shall be welded or lock-seamed tight. The floor intake doors shall be bolted in place on throats formed into the chute. All chute sections shall flash inside the sections below and there shall be no bolts, clips, or other projections inside the chute to snag the flow of material. Pre-positioned support frames shall

assure proper intake levels and there shall be an expansion joint in the chute between all support joints. Discharge hoppers and offsets, where required, shall be reinforced and separately supported in the impact area. Offsets require approval from local jurisdictional authority; VAMC Fire Marshal/Chief.

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

A. Verification of conditions:

1. Area in which system is to be located is correct size and location, and is prepared for installation of linen chute and components.

B. Installer's examination:

1. Have installer of this section examine conditions under which construction activities of this section are to be performed, then submit written notification if conditions under which construction activities of this section are to be performed are unacceptable.
2. Beginning construction activities of this section before unacceptable conditions have been corrected is prohibited.
3. General Contractor shall verify and record chute alignment with installer immediately following installation.

**3.2 INSTALLATION**

- A. Install linen chute in accordance with shop drawings and manufacturer's printed installation instructions.

**3.3 DEMONSTRATION**

- A. Arrange demonstration of system operation, conducted by manufacturer's representative, to Owner's maintenance personnel.

END OF SECTION