

## SECTION 149100

### LINEN CHUTES

#### PART 1 – GENERAL

##### 1.1 SUMMARY

- A. This section includes metal, vertical, gravity-type chutes including:
  - 1. Linen Chute
- B. Related Sections include the following:
  - 1. Division 15 Sections for water service connections
  - 2. Division 16 Sections for electrical service connections

##### 1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Detail chute assemblies and indicate installation details, dimensions, required clearances, method of field assembly, components, location and size of each field connection.

##### 1.3

- A. NFPA Compliance: Provide chutes complying with NFPA Standard No. 82.
- B. ADA Compliant doors and Hardware

#### PART 2 – PRODUCTS

##### 2.1 MANUFACTURERS

- A. Basis of Design: Century Chute Easy-Wave® or Easy-Push® UL listed system [www.centurychute.com](http://www.centurychute.com). Subject to compliance with requirements, provide products by one of the following:
  - 1. American Chute LLC
  - 2. Century Chute LLC
  - 3. Chute Systems LLC

##### 2.2 MATERIALS

- A. Chute Metal: Aluminum-coated, cold rolled, commercial steel sheet, ASTM A463, Type 1 with no less than T1-40 coating.
  - 1. Specified (Nominal) Thickness: 0.060 inch. (16 Gauge)
  - 2. 24” diameter or as indicated on drawings
- B. Reinforcing: Steel Plates, Shapes and Bars: ASTM A36

##### 2.3 DOORS

- A. Intake Door Assemblies: ASTM A240/A240M, Type 304 Stainless Steel, self closing units with positive latch and latch handle; Class B labeled: 1 ½ hour fired rated with 30 minute temperature rise of 250 degrees F; and with powder coated frame suitable for enclosing chase construction.
  - 1. Door Type: Side Hinged
  - 2. Easy-Wave® or Easy-Push® UL Listed interlocking system.
  - 3. Size: 15”x18” side hinged or for chute type and diameter indicated, ADA lever handle and ADA compliant.
  - 4. Finish: Manufacturer’s standard satin or No. 4 Stainless Steel directional polish finish.
  - 5. LED indicator to show chute door status
  - 6. No mechanical switches
  - 7. Low volt system, simple plug and play
  - 8. No configuration required at each door
  - 9. Master Controller UL listed and identifies what level is in use
  - 10. Door frame is powder coated

## 2.4 ACCESSORIES

- A. Fire Sprinklers: Standard ½” NPT, 165 degree, 175 PSI sprinkler head supplied, installation by others trades.
- B. Flushing Spray Unit: ½” NPT spray head unit located in chute above highest intake door, ready for hot-water piping connection by other trades.
- C. Sanitizing Unit: ½” NPS disinfecting and sanitizing spray head unit located in chute above highest intake door, including 1-gallon tank and adjustable proportioning valve with bypass for manual control of sanitizing and flushing operation, ready for hot water piping connection by other trades.
- D. Sound Dampening: Provide one coat of manufacturer’s standard sound dampening coating on perimeter of chute.
- E. Individual Key Locks: Provide individual key locking devices at each intake door for building maintenance.
- F. Heat Sensor, Smoke Detector and Fire Alarm Interface

## 2.5 FABRICATION

- A. General: Factory-assembled chute to greatest extent practical with continuously welded or lock-seamed joints without bolts, rivets or clips projecting on chute interior. Include intake-door assemblies and chute-support frames at each floor and chute expansion joints between each support point.
- B. Roof Vent: Fabricate full diameter vent unit to extend 36” above roof with flashing collar and screened metal rain cap.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Comply with NFPA 82 requirements and with chute manufacturer's written instructions. Assemble components with tight, non-leaking joints.
- B. Install chutes plumb, without offsets or obstructions that might prevent materials from free falling within chute.
- C. Intake and Discharge Doors: Interface door units with throat sections of chutes for safe, snag-resistant, sanitary depositing of materials in chutes by users.
- D. 5 years experience by qualified installer

### 3.2 TESTING

- A. Test chute components after installation if electricity is available. Operate doors, locks, to demonstrate that hardware is adjusted and operating correctly. Complete test operations before installing chase enclosures.
- B. Operate sanitizing unit through one complete cycle of chute use and cleanup, replenish cleaning fluids (provided by others) if available in unit containers can only be done if plumbing is complete.

### 3.3 CLEANING

- A. After completing chase enclosure, clean exposed surfaces of chute systems' components. Do Not remove labels of independent testing and inspecting agencies.

### 3.4 DEMONSTRATION – Video and Manuals provided

- A. Video to demonstrate use of chute and equipment to Owner's personnel.
- B. Video of replenishment of sanitizing-unit cleaning fluids.
- C. Onsite Training – only provided at owners expense

END OF SECTION