

STANDARD SPECIFICATION  
JANUARY 2010

**DIVISION 11**

**SECTION 11D COMPACTOR CHUTE**

11D.01 GENERAL: Comply with all of the Contract Documents.

11D.02 SCOPE OF WORK: Refer to "Division Scope of Work"

**11D.03 WORK OF OTHER SECTIONS**

- A. The following items are excluded from the work of this Section:
1. Hook-up of flushing spray heads by Section 15B.
  2. Hook-up of automatic sprinklers by Section 15B.
  3. Masonry walls by Section 4A.
  4. Compactor by Section 11C.

**11D.04 MATERIALS**

- A. Chute; shall be 24" diameter, No.16 U.S. Gauge aluminized steel manufactured by Wilkinson Chutes Incorporated or Construction Products Company or approved equal as determined by Architect/Engineer.
- B. Tube; vertical joints lock-seamed. Horizontal joints slip jointed and provided with one expansion joint per story without bolts, clips or rivets to mar smooth interior surface.
- C. Intake Throats; square, sloping bottom, welded to tube and forming an integral part of chute.
- D. Intake Doors; hinged at bottom, 1" thick with stainless steel covering both sides. Doors shall be self-closing, noiseless and fireproof complete with all required hardware including cast brass chromium plated pull, continuous stainless steel hinge concealed so that only the nose is visible, air cylinder door checks and rubber gaskets.
1. Door Frames; stainless steel, square opening with no exposed rivets, bolts, seams or cover plates.
  2. Label doors and frames shall bear Underwriters' Laboratories, Inc., Class "B" label, 1 1/2" hour.
  3. Door Size 12" wide x 15" high "V" type hopper
- E. Flushing 3/4" diameter copper tube with 90 degrees ell or spray head.

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- F. Sprinklers recess for sprinkler heads in all locations on all levels required by legal authorities having jurisdiction.
- G. Disinfecting and Sanitizing Unit chute shall be equipped with disinfecting and sanitizing unit. Unit shall have adjusting screw to regulate strength of disinfectant introduced into flushing water. Provide on-off valve to permit by-pass of the disinfecting and sanitizing unit.
- H. Vent:
1. Extend the chute full diameter through the roof to a 16 gage aluminum vent cap not less than 4'-0" above the roof.
  2. Provide the vent cap with a 1" clear space the full diameter of the riser.
  3. Provide adequate flashing for the vent as it passes through the roof, to be embedded into the roofing applied under other sections of these specifications.
- I. Provide 18 gauge stainless steel access door above top most intake for access to sprinkler and flushing head. Access door shall come complete with hinges, and key knob cylinder lock. Door shall be 15" x 18" UL 1 1/2 hour, "B" label.
- J. Discharge: Hopper discharge shall be of same material as chute. Discharge opening is formed onto a structural angle door frame. The sloped bottom shall be reinforced and supported on a 2" pipe pedestal. A 2" drain is to be provided at the low point of hopper discharge. Discharge door shall be top hinged, UL Class B label, with spring counterbalance and fusible link. Hopper discharge shall be type "H".
- K. Exposed surfaces of stainless steel shall receive No.4 satin finish.
- L. Ferrous metal shall receive shop coat of approved rust inhibitive primer.

11D.05 INSTALLATION

- A. Items under this Section shall be installed by the approved manufacturer or his authorized representative, in accordance with his requirements and the approved shop drawings.
- B. Support four sided angle grid frame, anchored to floor slab. Located at each floor.
- C. Equipment shall be factory assembled ready for erection. Vertical seams shall be grooved or clinched prior to delivery, with doors attached to chute throats.
- D. Connections to water and/or electric services will be by other trades.

11D.06 SHOP DRAWINGS

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- A. Shop drawings shall be submitted to Architect/Engineer for approval in accordance with the requirements of the Contract Documents.
- B. Shop drawings shall include sections and details of the chute, intake doors, discharge, roof vent, sprinklers and flushing head locations.
- C. Clearly indicate the work to be performed by other trades, and all exposed finishes.

11D.07 CODES

- A. All work under this Section shall be installed in strict accordance to, and in conformance with, all Local and State Regulations and Codes having jurisdiction, the N.B.F.U. and MEA Regulations.

11D.08 CERTIFICATES

- A. Contractor shall submit certificate for compliance with building code and manufacturer specifications.

11D.09 TESTING, ADJUSTING, CLEANING

- A. Test chute system upon completion of installation; demonstrate use and safety features to Owner's personnel. Operate doors, locks and interlock system to demonstrate that hardware is adjusted and electrical wiring is connected correctly. Where possible, complete test operations prior to installation of shaft enclosures.
  - 1. Provide heat/smoke test to demonstrate that heat/smoke sensing devices and sprinkler heads are operable.
  - 2. Operate sanitizing equipment through one complete cycle of use and cleanup, and demonstrate replenishment of chemicals or cleaning fluids in containers of unit.
- B. Cleaning: Following completion of enclosure walls and ceiling, clean exposed surfaces of finished metal components of chute system. Remove foreign substances and repair imperfections in finishes, but do not remove UL labels.

11D.10 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION