

# CHUTES ENTERPRISES

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Chutes Enterprise Designs manufactures and installs complete waste and soiled linen chute systems. Our manufacturing plant is located in lower New York State, with offices at the plant and in New York City. We service and assist customers through our national network of experienced distributors. Our designers, fabricators and field personnel are constantly supervised by managers with over 25 years of experience in all these fields. We are constantly updating our design lines as well as adding and redesigning products to partially or completely replace systems and products no longer made by other manufacturers.

## Gravity trash and linen chute

Our gravity chutes are designed and manufactured to comply with the latest N.F.P.A. 82 and national building codes. The chutes described on the specifications listed below are 24" in diameter, the standard of the industry. We also manufacture/offer other sized to meet the particular project needs.

### Recommended Standard Specifications

#### Chute Shaft:

Trash or Linen chute shall be 24" diameter, fabricated of 18/16 U.S. Gauge Aluminized Steel or 304 type Stainless Steel.

Shaft to be fully factory assembled with all vertical seams lapped and welded and all horizontal seams slip jointed, with one expansion-slip joint per floor.

Provide 2"x 2"x 1/8" steel angle support shaft-frame at all floors

Provide each chute at the top intake floor with a 3/4" or 1/2" flush head and a 1/2" sprinkler head, additional sprinklers at alternated floors below.

#### Intake Doors:

Trash Chutes: Provide 1518BH, or 1818BH, or 1215BH Bottom hinged, or 1515SH, or 1518 SH, or 2020SH or 2121SH - Side hinged doors, to fulfill the particular need.

Linen Chutes: Provide 1818SH, or 1518SH, or 2020SH or 2121 SH - Side hinged, or 1515BH, or 1818BH, or 2020BH - Bottom hinged doors.

Doors to carry the 1 1/2 hour Underwriters Laboratories - B Label fire rating

#### Discharge Outlet:

"O": Open end, when door is not required because the chute will be connected and sealed to the compactor machine.

"R": Rolling inclined type outlet door, held open with a 165 degree, UL fusible link.

"RB": Rolling inclined type outlet door - "B" construction type, held open with a 165 degree, UL fusible link.

"THT": Top hinged type door and box, to be used where there is no compactor.

"THL": Top hinged Linen chute type door and slow down box.

#### Top Venting:

Chute shall extend full size through the roof with weather flashing, continue at least 48" where it terminates with a top explosion type cap.

Chute shall extend full size through the roof, continue at least 96" where it will turn 90 degrees and terminate with a side type 24x24 explosion type louver. Chute shaft above roof shall be enclosed with a two hour rated shaft by others.

Chute vent or louver assembly, to be fabricated of 18 U.S. Gauge aluminized Steel, or 304 Stainless Steel with all seams continuously welded/weatherproofed.

#### Recycling Trash Chutes

Our single or multiple-stage recycling trash chute systems are single shaft chutes with a double or multiple function electric interlock system that by making a selection, will let the household trash go to the compactor machine or container or by selecting one of the recycling options, the system will electronically divert the recyclables to the right container to handle the particular type of recyclable. This process is accomplished by a diverter chamber at the bottom of the chute. Installation must be performed by factory trained personnel

#### Specialty Chutes

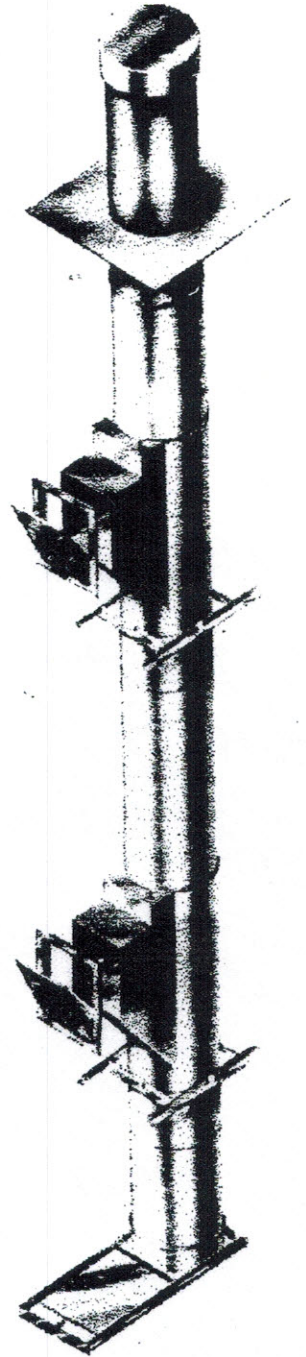
Our company manufacture through the years various specialty - one of a kind type chutes. Among them: Money chutes for banks, stores and casinos. Bread chutes for bakeries. Various type of chutes for the food industry Coal chutes. Cement chutes. Grain chutes. Sidewalk chutes/slides and other specialties.

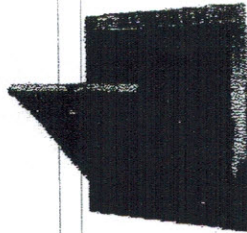
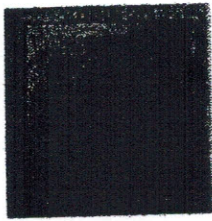
#### Installation

Erecting our chutes requires two installers and a few standard tools. After distributing the shaft section pre-labeled by sequence and floor, the shaft is stacked, positioned and aligned/leveled. The Intake and outlet doors are shipped separately. The can be installed after the chute is enclosed with walls, preventing damage during construction to the Stainless Steel Pre-polished finish.

#### Guarantee

We guarantee our chutes against defective materials or workmanship for a period of one year, providing all components are properly used and maintained.





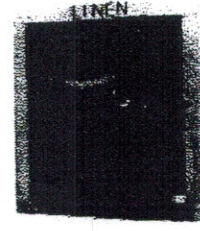
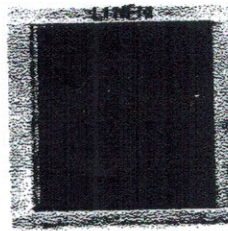
Bottom Hinge Intake Door  
Stainless Steel Intake Doors:

**Intake Type Doors:**

Our Fire rated doors meet the current building and fire codes' as well as architectural requirements.

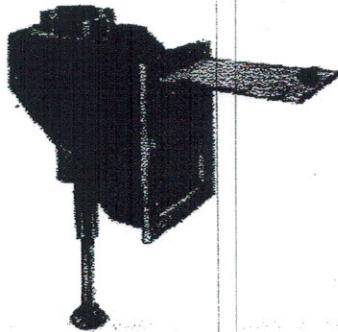
Doors are fire rated and carry the 1 1/2 hour "B" temperature rise 30 minutes 650 degrees maximum "Underwriters Laboratore test #R15927 approved for masonry and/or non masonry construction type wall enclosures.

Furthermore the doors meet the requirements of New York City "Materials and Equipment Acceptance Division, The New York Board of Standards and Appeals 1 1/2 hour "B" rating or NYC MEA# 206-96-M



Side Hinge Intake Door

Model #	Recommended Use	
1215-BH	Trash	12" w x 15" h
1215-SH	Linen, Access	12" w x 15" h
1515-BH	Linen, Access, Trash	15" w x 15" h
1515-SH	Linen, Access	15" w x 15" h
1518-BH	Linen, Trash	15" w x 18" h
1518-SH	Linen, Trash	15" w x 18" h
1818-BH	Linen, Trash	18" w x 18" h
1818-SH	Linen, Trash	18" w x 18" h
2020-BH	Linen, Trash	20" w x 20" h
2020-SH	Linen, Trash, Access	20" w x 20" h
1821-BH	Linen, Trash	21" w x 18" h
2121-BH	Linen, Trash	21" w x 21" h
2121-SH	Linen, Trash, Access	21" w x 21" h
2424-BH	Linen, Trash	24" w x 24" h
2424-SH	Linen, Trash, Access	24" w x 24" h



"H" Hopper Type Discharge Door  
Discharge Fire Rated Doors:

Same construction specifications as the intake doors above.

"H" Type 2430 Outlet (24" Dia. chutes) 24 1/4" w x 30 1/4" h



"S" Sliding Type Outlet Door  
Sliding Outlet Doors: (not fire rated)

**Outlet Type Doors:**

"R": Rolling inclined type. Underwriter Laboratories do not offer a test/label/rating for Horizontal chute type outlet doors. We still offer/manufacture the "RB" door under the fire rating/design requirements.

"THT" Top hinged Trash chute type door and box, to be used where there is no compactor.

"THL" Top hinged Lnen chute tpe door and slow down box. Our "TH" fire rated doors meet the current building and fire codes'.

"TH" doors are fire rated and carr the 1 1/2 hour "B" temperature rise 30 minutes 650 degrees maximum

"Underwriters Laboratore test #R15927 approved for masonry and/or non masonry construction type wall enclosures.

Furthermore the doors meet the requirements of New York City "Materials and Equipment Acceptance Division, The New York Board of Standards and Appeals 1 1/2 hour "B" rating or NYC MEA# 206-96-M

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**Optional Equipment**

ADSU: Above the top intake door the chute is provided with a flush head, a hot water line wth a valve can be connected to periodically w down the shaft. As an option a disinfectant siphon unit with a one gallon tank and an access door can be supplied

Intake doors can be equipped with an integral interlock system to enforce the single use of the intake doors. Interlock system can be further expanded to incorporate a single stage recycling system (see recycling chutes).

Intake doors can be provided wth back draft rubber baffles to prevent the loose dry - particles in the shaft to blow out when the door is op Chute can be factor coated with sound dampenng coating, sprayed on the outside of the shaft. Also: Insulation, floor frame insulation rut pads to reduce the vibration and the high pitch noise of solids bouncing down the shaft.