



WESTERN CHUTES®

CHUTE, COMPACTOR & RECYCLING SYSTEMS

QUALITY RUBBISH, LINEN & DEBRIS CHUTES

Since 1947

We are very proud to introduce you to WESTERN CHUTES®—
the next step in the evolution of the chute industry.

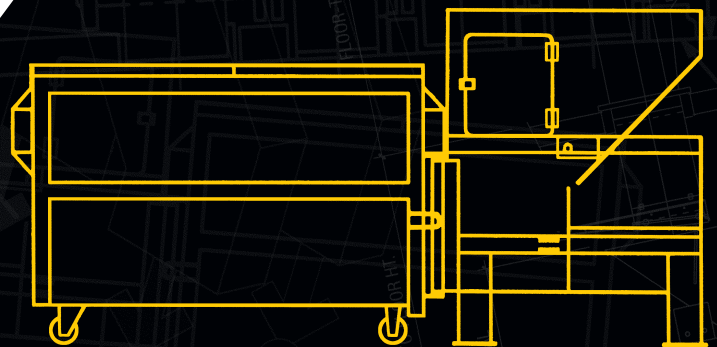
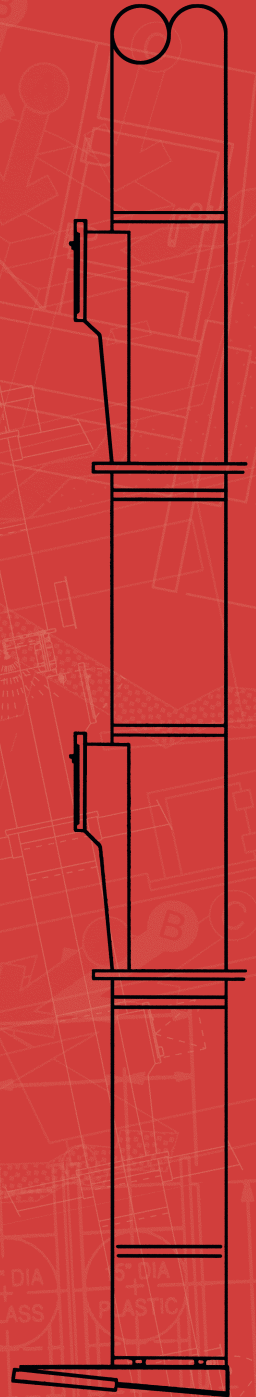
WESTERN CHUTES®, a division of Buchanan Company, Inc., continues to set the standard for quality, innovation, and service you have come to know and depend on from the Buchanan family.

With over 55 years of experience as the industry leader, why would you waste your time going anywhere else?

For all of your rubbish chute, linen chute, debris chute, rubbish compactor and chute-based recycling system needs, call us at 1-800-755-CHUTE (2488) or see us on the web at <http://www.westernchutes.com> for more information and to request a complete detail and specification binder and CD.

WESTERN CHUTES®

1016 East Edna Place, Covina, CA 91724-2411
1-800-755-2488 Fax: 1-626-339-8047
<http://www.westernchutes.com>





EVOLUTION

The natural selection of the more prolific and the stronger due to their better adaptation to their environment.

From Wilkinson Company, Ca. to Wilkinson & Buchanan, Inc. to Buchanan Company, Inc., Western Chutes® is the next step in evolution.

Western Chutes® began in 1980 with the dreams and goals of the ambitious 23-year-old Jim Buchanan Jr. to be the leading manufacturer, distributor, installer and servicer of rubbish and linen chutes in the country. To that end, Wilkinson Company, Ca. was formed as a partnership of Jim Buchanan Sr., well known in the construction industry as the president of the now 70 year old Buchanan Company, and Jim Buchanan Jr.

With Jim Jr. at the helm, Wilkinson Company, Ca. flourished in the 80's and 90's, growing the market from the Los Angeles and Orange County region to include all of California, Arizona, Nevada, New Mexico and Baja California, making the names "Wilkinson" and "Jim Buchanan" synonymous as the construction industry's preferred supplier and installer of chutes and compactors in the western states. The industries' most innovative ideas, such as the PLC controlled Chute Doctor cleaning system, adjustable intake doors, ADA compliant doors, fire rated horizontal discharge doors, patented odor control systems and fabricating of Satin Coat Galvanized materials, were developed by Jim Jr., ensuring that the company continued to evolve as the leading supplier of chute goods and services.

In 1996, Jim Jr. became the 3rd generation president of the family business, Buchanan Company, Inc. Not wanting to lose any of the outstanding name recognition both companies had earned, the companies were brought together under the name "Wilkinson & Buchanan, Inc." and they continued to grow, adapt and evolve. During this period, the Ohio manufacturing facility was sold to Hi-Rise Recycling Inc., and in ending our formal affiliation with that facility, Wilkinson & Buchanan, Inc. further evolved into Buchanan Company, Inc.

To meet our customers' need for the highest quality product, coupled with the customer service, knowledge and experience they've come to expect from the Buchanans, Western Chutes® was formed. Western Chutes® manufactures the same high quality products our customers expect with even better support and lead times, as well as lower cost! Western Chutes®, Western Compactors, The Chute Doctor® and ChuteParts.com are all divisions of Buchanan Company Inc. and carry the Buchanan's commitment to provide only the highest quality products and services at a fair price. We look forward to working with you.

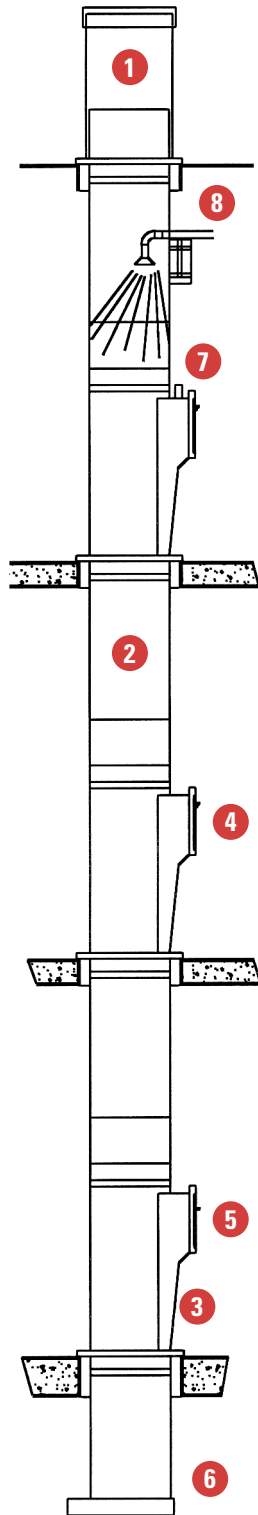
The Western Chutes® Team





CHUTE DESIGN

INNOVATION



1 Superior Materials

Western Chutes® are all made from #16ga satin coat galvanized steel, which is far better than the #18ga or higher aluminized steel others may push. They're also available in Stainless Steel.

2 Durable Construction

To ensure your chute the longest life available we build only the finest equipment. No rivets, bolts or other protrusions project into the chute riser. All vertical joints are continuously welded for maximum strength. Each floor has a fully supported integral expansion joint.

3 Low Impact Throat Design

Our double slope throat design ensures the largest clear opening at the intake while reducing the possibility of damage from the impact of falling material to a minimum.

4 Advanced Intake Door Design

All doors are UL "B" labeled 1½ hour 250° for both masonry and drywall installation and have a clean Stainless Steel finish with embossed trim. All bottom hinged doors hinge on a ½" steel shaft with friction free bearings. All our doors are built field adjustable, allowing easier installation.

5 Handicap Accessible Doors

All Western Chute intake doors are available in an ADA compliant configuration utilizing lever handles and slow closing hydraulic closer systems.

6 Fire Rated Discharge Doors

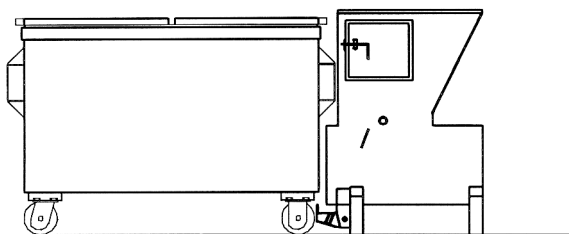
Unlike others who only offer type "A" non-rated horizontal discharge doors, Western Chutes® leads the industry with the model "AC" UL "B" labeled 1½ hour fire rated horizontal discharge. Don't settle for "B label Construction" (your inspector won't) when building codes require a legal rated discharge door.

7 Automatic Fire Sprinklers

155° automatic sprinklers are STANDARD on all Western Chutes® located out of the flow of materials protected by a shield and are accessible through the intake door for inspection and service.

8 Clean & Odor Free

Every chute includes a flushing spray head located just above the top intake door and each chute joint is designed to contain the water inside the chute. Western Chutes' "Chute Doctor®" automatic cleaning and sanitizing system ensures your chute will stay clean and healthy. Add our patented odor control systems and you'll never have to worry about the odor and disease found in other manufacturer's chutes.

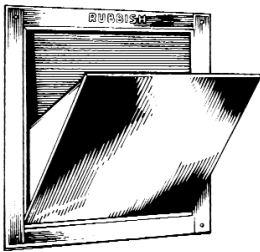




INTAKE DOORS

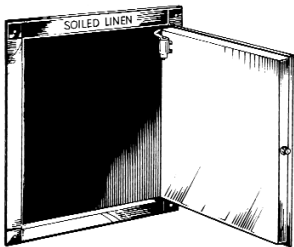
PERFECTION

Offering five types of doors in ten sizes, Western Chutes® defines perfection in our intake door designs. All of our doors bear a UL 1 1/2 hour 250° "B" label for installation into both masonry and drywall applications. Our 1" pan type doors are fabricated of type 302/304 Stainless Steel and use our silent hydraulic closure system ensuring a slow closing positive latching action eliminating noise and injuries. Door closures are located out of the flow of material to ensure a long life. All door frames are fabricated of steel angle which is fully welded and prime painted. Mounting flanges are made with elongated holes providing plenty of field adjustment. Doors include Stainless Steel trim embossed "RUBBISH" or "SOILED LINEN" and are available with standard or master keyed locks and electrical interlocks. All doors have replaceable door panels, latches and closures ensuring the lowest possible maintenance costs.



Bottom Hinged Hand Operated Door

The Bottom Hinged Hand Operated Door is used on most chutes handling loose rubbish or linen. The door opens a full 51° to provide a convenient slide hopper opening with side checks to reduce spillage. "V" backed intakes can be furnished to restrict the size of material loaded into the chute, eliminating long oversize objects from clogging offsets or jamming the discharge. Rubber baffles are also available to reduce back draft and protect users from debris. Foot pedal operation may be specified for applications where you want to keep both hands free. Available in sizes: 12"w x 15"h, 15"w x 18"h, 18"w x 18"h, 21"w x 18"h, 24"w x 24"h. In service for over 40 years, this door design has set the standard to which all others aspire.



Side Hinged Hand Operated Door

The Side Hinged Hand Operated Door is used on most chutes handling rubbish from kitchen compactors and bagged linen or other bulky items. This door can be opened a full 180° to handle even the largest bags and bundles. When opened completely the clear opening is equal to the door's nominal size. Doors are available with left or right side hinging as well as top hinged rubber baffles to reduce back draft and protect users from debris. Available in sizes 12"w x 12"h, 15"w x 15"h, 15"w x 18"h, 18"w x 18"h, 21"w x 21"h, 24"h x 24"w.

Rubbish Chute Specifications

Furnish where shown on plans 24" diameter rubbish chute as manufactured by Western Chutes® and specified below.

Chute Material:

The chute shall be fabricated of #16 Gauge Satin Coat Galvanized steel.

Intake Doors:

15"w x 18"h stainless steel faced, through pivot shaft, self closing, positive latching, bottom hinged, ADA compliant operated doors bearing 1 1/2 hour 250°f UL "B" label with removable stainless steel door trim having "RUBBISH" in embossed letters.

Discharge Door:

Type "AC" 1 1/2 hour UL "B" labeled horizontal discharge door with 165° fusible link hold open. Non-rated doors are not acceptable.

Floor Support Frames:

Support chute at each floor penetration with a fully welded support system fabricated of 1 1/2" x 1 1/2" x 3/16" angle and 1 1/2" x 3/16" bar stock with pre-punched anchor holes as required by building conditions.

Fire Sprinklers & Wash Out:

Provide 1/2" IPS 155° fire sprinklers at alternate floors as required by code. Include a 3/4" IPS wash down head just above the top intake.

Venting:

Extend chute full diameter (24") to 4'-0" above roof with integral flashing and terminate with vented hinged cap for cleaning and accessibility.

ADA COMPLIANT

Ensuring our chutes are easy to use by everyone, Western Chutes® offers both the bottom hinged and side hinged hand operated doors with ADA compliant lever handles and operation. Our door handles are located between 38" to 48" above the floor, depending on door size, complying with both forward and side reach handle height requirements. Even our electrical interlocks can be specified with ADA compliant palm buttons.

STANDARD CHUTE & DOOR SIZES

Chute Diameter	Bottom Hopper Doors	Side Hinged Doors
24"	15" x 18"	21" x 21"
28"	18" x 18"	24" x 24"
30"	21" x 18"	24" x 24"
36"	24" x 24"	24" x 24"

Soiled Linen Chute Specifications

Furnish where shown on plans 24" diameter soiled linen chute as manufactured by Western Chutes® and specified below.

Chute Material:

The chute shall be fabricated of #16 Gauge Satin Coat Galvanized steel.

Intake Doors:

21"w x 21"h stainless steel faced, through pivot shaft, self closing, positive latching, side hinged, ADA compliant operated doors bearing 1 1/2 hour 250°f UL "B" label with removable stainless steel door trim having "SOILED LINEN" in embossed letters.

Discharge Door:

Type "H" 24" x 30" top hinged 1 1/2 hour UL "B" labeled vertical discharge door with 165° fusible link counterbalance hold open. Impact area to be reinforced with #12 gauge impact plate. Hopper to have 2" drain flange and angle iron four posted structural support frame.

Floor Support Frames:

Support chute at each floor penetration with a fully welded support system fabricated of 1 1/2" x 1 1/2" x 3/16" angle and 1 1/2" x 3/16" bar stock with pre-punched anchor holes as required by building conditions.

Fire Sprinklers & Wash Out:

Provide 1/2" IPS 155° fire sprinklers at alternate floors as required by code. Include a 3/4" IPS wash down head just above the top intake.

Venting:

Extend chute full diameter (24") to 4'-0" above roof with integral flashing and terminate with vented hinged cap for cleaning and accessibility.

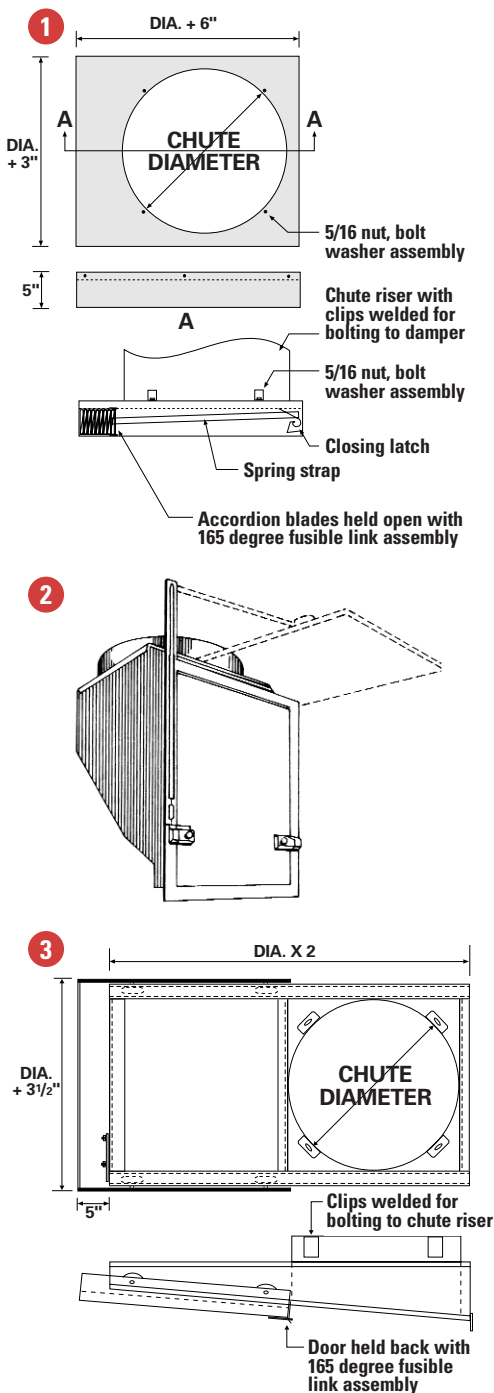


DISCHARGE DOORS

SECURITY

The fire and life safety of your building and occupants rests on your selection of the proper fire rated discharge door. Both the building codes and the NFPA require all shafts to be protected with fire rated doors. This includes the bottom of the chute. Don't be fooled by other manufacturer's statements that their type "A" discharge is of "fire rated construction." It doesn't matter how it's constructed, to be fire rated it must bear a UL LABEL. Western Chutes® type "AC" horizontal discharge door and type "H" vertical hopper style are both 1½ hour UL "B" labeled doors meeting all the code requirements and recommendations of the NFPA.

NFPA #82 Recommendation excerpt: 3-2.2.9 Chute Discharge Doors. Gravity chutes shall be constructed so that the base opening of the chute or shaft, or both, shall be protected by an approved automatic-closing or self-closing 1-hour fire door suitable for a Class B opening.



1 "AC" Discharge

The model "AC" accordion style discharge is Western Chutes' latest innovation brought to market. The only type of FIRE RATED horizontal discharge door in the industry, the model "AC" is used where the collection bin, cart or compactor is located beneath the chute. This allows for a free flow of material without creating an impact point, eliminating clogging of the chute. This door, like all chute discharge doors, is held open with a fusible link, which allows the door to close when the ambient temperature reaches 165° to protect the structure and occupants. This door is available on chutes measuring up to 36" round or square.

2 "H" Discharge

The model "H" discharge is used where building conditions dictate a change of direction for material to pass through a wall. The hopper sides and top are fabricated of the same material as the chute (typically #16ga Satin Coat Galvanized Steel) with the bottom being fabricated of #12ga for superior impact resistance. The hopper is supported on a structural steel, all welded angle, iron four-post frame (compared to balancing on a single 2" pipe as others do). All hopper discharges have a 2" drain connection at the low point and are equipped with a top hinged spring counter-balanced door with a fusible link hold open and a cam latch at the bottom allowing the door to be closed during wash down. This door is also UL 1½ hour 250° "B" labeled and is rated at 250°f temperature rise in 30 minutes. Additional #12ga reinforcing plates are available for high impact applications. This discharge is available for chutes up to 36" in diameter.

3 "A" Discharge

Western Chutes® continues to offer this old standard for use in NON-RATED applications only. While the door is of "Rated Construction," this 1" pan style door is mounted with wheels on an inclined steel track and is held open with a 165° fusible link. This door IS NOT designed for use as a shut off gate and is only offered for those die-hards with non-rated applications wanting to spend twice the money as they would on a fire rated "AC" discharge door. Western also offers the type "O" (for open end) discharge where the chute is left raw, open on the end, for connection to incinerators or other applications where no discharge door is required.

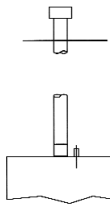


ACCESSORIES & UPGRADES

ENHANCEMENT

Western Chutes® is the most flexible manufacturer in the industry. If you want it, we'll make it. When it comes to convenient and user-friendly accessories, we have them all. The following are some of the more popular options.

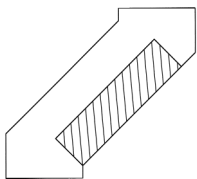
3" Vent



OPTIONAL VENTING: While the NFPA recommends the chute vent full size through the roof, most building codes allow you to reduce the size of the vent, down to 3" diameter if you like, providing the ability to easily shift the location. Venting horizontally through walls with louvers or caps is also available, as is powered ventilators.

SOUND DAMPENING: With every square foot of useable floor space at a premium more and more chutes are being located next to and inside living spaces. Western Chutes® offers sound control options ranging from our standard asphalt based sound coating and Korfund isolation pads to 1/4" thick mastic sound coatings and high-tech isolators.

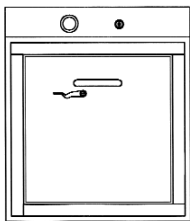
Offset



OFFSETS: While the best chute is plumb, without offsets (bends), sometimes they just can't be avoided. Our offsets are manufactured of #12ga Satin Coat Galvanized Steel (far superior to others #13ga Aluminized Steel) and are available with an additional #12ga or heavier impact plate in heavy use applications. Structural steel support systems ensure a long lasting system.

LIMITED ACCESS: All of our intake doors are available with keyed alike or master keyed cylinder locks for applications where you must limit access to the chute doors.

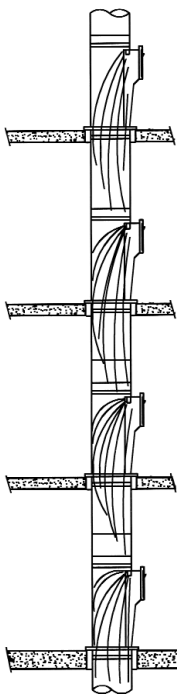
Electronic Interlock on Intake Door



INTAKE DOOR ELECTRICAL INTERLOCKS: Western Chutes® leads the industry once again with the new PLC controlled electrical interlock system. This system not only allows only one door open at a time, it bypasses doors which are not functioning automatically, allows for complete system lock-out from the trash room below, interfaces with trash compactors to lock out the chute when the compactor is full or at fault, interfaces with Chute Doctor cleaning systems to lock the doors during cleaning, interfaces with heat/smoke sensors and alarms to lock the chute and can be connected to just about any piece of electrical equipment you can think of. We've also eliminated those nasty relay switches at each door and replaced them with fault free magnetic switches. It's the interlock system you have always wanted but couldn't have.

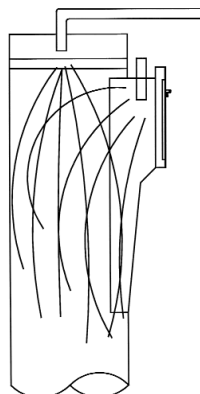
THRU-WALL INTAKE DOORS: Chute intake doors can be furnished with thru-wall sleeves to permit collection of rubbish or linen in single floor buildings or on first floor access to chute discharge room.

CLEAN & HEALTHY: The smell of rotting trash is the smell of unhealthful bacteria. Our "Chute Doctor" cleaning and odor control systems ensure your chute is clean and odor free. From the basic addition of a sanitizing wash down unit at the top of the chute to the Chute Doctor multi-head disinfecting system and Chute Doctor patented bacteria killing odor control system, we can design a system that's right for your building and your budget.

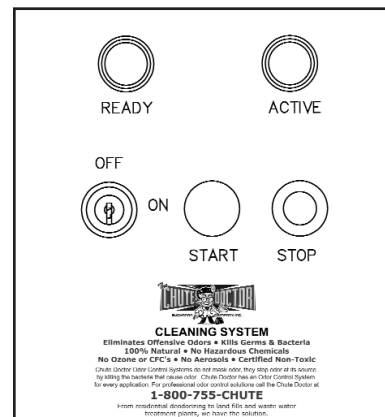


Chute Doctor Auto Cleaning System

Typical Chute Doctor Spray Head



Control Panel

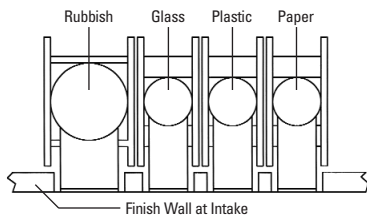




WESTERN RECYCLING SYSTEMS®

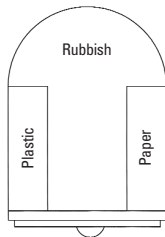
SIMPLICITY

With more and more federal and state recycling mandates being enacted requiring source sorting, designers are searching for cost effective space saving methods of complying with local mandates. Western Chutes® has the solution. From low-tech strategic placement of recyclable collection containers on the ground to multi-chute and electronic diverter systems, we can design the best method for your project. Below are just a few of the options available.



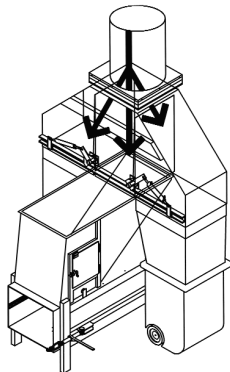
Multiple Chutes

The most basic system available for source sorting in multi story projects is to use multiple chutes. We start with our standard rubbish chute and add to it additional chutes to provide the number of sorts required. Some municipalities require only two sorts, rubbish and mixed recyclables. Others may require newsprint, cans, or glass to be sorted. With multiple chutes you can provide a simple, low maintenance, low-tech, low cost system.



Multi-Chute

When floor space is at a premium, Western's Multi-Chute is the answer. Handling up to three sorts, the multi-chute is a single chute with dividers running the length of the chute. Open the door and there are separate compartments for the waste and two recyclables. At the bottom of the chute the two outside sections are offset away from the center allowing each to fall into its own bin or compactor. The Western Chutes® Multi-Chute is also easily retrofitted into existing chute spaces when remodeling requires source sorting at existing buildings.



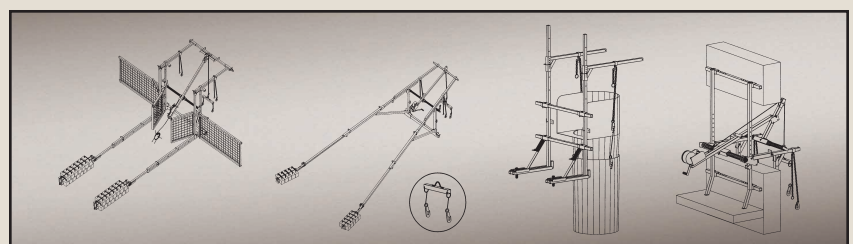
Multi-Sorter

For applications where you need the capacity of a full size chute for each type of material but don't have the space for multiple chutes, Western Chutes' Multi-Sorter is the answer. This computer-controlled system utilizes multiple push buttons at the intake doors allowing the user to select the type of waste to be deposited. At the bottom of the chute is a Multi-Sorter which diverts the waste to the appropriate bin. This system is available for two or three sorts and can be interfaced with a compactor. With optional sensors, when a container is full, the system can shut down and notify maintenance. The Multi-Sorter is also fully programmable, providing for time-restricted operation.

CONSTRUCTION/DEBRIS CHUTES

DURABILITY

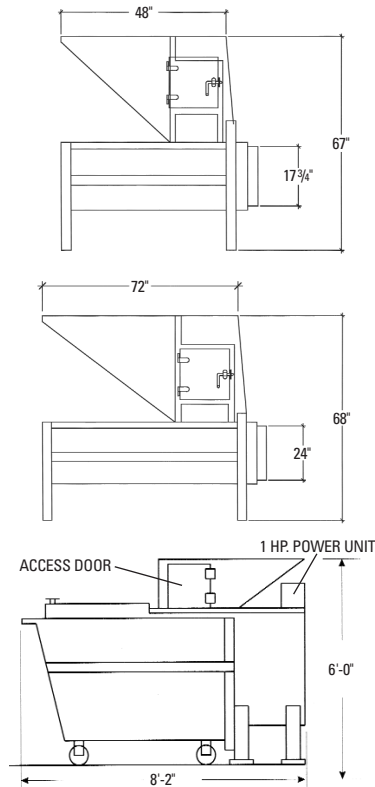
Western Chutes® offers a complete line of plastic and steel reusable debris chutes designed for ease-of-use and durability. There isn't a quicker, cleaner or safer solution. Chutes are designed to meet or exceed the requirements of OSHA, Part 1926.856, Subpart T, Chutes, Demolition and are available in a wide range of sizes and configurations which are adaptable to varying floor heights allowing them to be moved from job to job.





WESTERN COMPACTORS®

VERSATILITY



4830 Packer

Western's 4' compactor is one of the smallest and most efficient compactors of its size available in the market today. This compactor is designed to be used in conjunction with a trash chute system. The operation is automatic, with the unit being activated by an electric eye which senses trash in the loading hopper. These units are typically used with two or three cubic yard compaction containers which, when full, are wheeled outside for pick-up by a commercial trash service. The system comes standard with full/fault indicator, overload protection, time out protection, UL Listed PLC controlled panel with manual, auto and lock-out selections.

7227 Packer

Western's 6' compactor is the industry workhorse, proving a little bigger is a lot better. This versatile compactor is also designed to be used as an automatic chute fed or a manual hand fed system and accommodates up to a 4 cubic yard bin easily. The system comes standard with full/fault indicator, overload protection, time out protection, UL Listed PLC controlled panel with manual, auto and lock-out selections. This system eliminates frequent pick-ups, has a large clear top opening to prevent clogs and is completely automatic.

2330 Packer

The shortest chute fed compactor in the industry, the 2330 measures only 8'-2" **with the container attached!** Designed to save space, this light duty compactor is perfect for trash rooms where a conventional compactor won't fit.

LEADERSHIP

Being the industry leader in the western states for decades you get to know a few hundred people and work on a few thousand projects. Most people think of a chute only as it relates to their type of project. Chutes are used in thousands of projects daily and in this area we've provided and worked on most of them. Consider the applications: Apartments, Condominiums, Hotels, Hospitals, Mixed Use Facilities, Universities, Military Housing, Theaters, Schools, Malls, Airports, Laboratories, Office Buildings, Manufacturing, Cruise Ships, Restaurants and Food Courts just to name a few. Here are just a few of the hundreds we've worked in recently:

HOTELS: Hilton, Marriott, Hyatt, Sheraton, Westin, Radisson, Harrah's, Ritz Carlton, Four Seasons, Embassy Suites, Best Western, Ayres, Clarion, Holiday Inn, Comfort Suites, Belagio, The Venetian, Paris Hotel, Mohegan Sun, Rio, Tropicana, Luxor, Monte Carlo, Dunes, Binions Horseshoe, and the list goes on and on.

HOSPITALS: Kaiser, City of Hope, Good Samaritan, Children's, Hoag, Long Beach Memorial, Saint Mary's, Saint John's, Mercy, Scripps, Shriners, Thunderbird Samaritan, VA Hospitals, and hundreds more.

APARTMENTS/CONDOS: Hilton Timeshare, Oakwood Garden Apartments, Turnberry, Costa Verde, Marina Pointe, Toscana, One Park Place, Villa Sienna, Archstone, Marina City Club, and Alexan Del Rey to name just a few of the thousands.

Whether you design or build multi-story buildings of any type, Western Chutes® is the best choice for all your chute, compactor and recycling system needs. What you find in this catalog is just a small sample of our products. Call us and experience the exceptional service and dedication that will exceed your expectations.