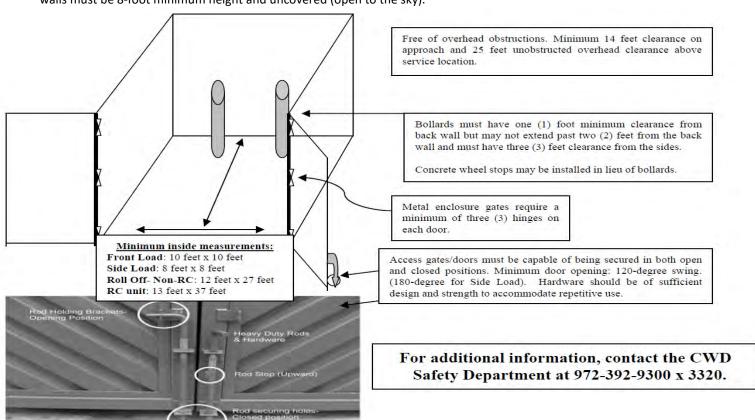


2023 Commercial Trash and Recycling Guidelines:

- Customer warrants that the container service area and all right-of-ways for servicing equipment is sufficient to bear the weight of all equipment/vehicles required to perform the designated services. CWD does not accept liability for concrete or asphalt failure. Commercial Vehicle gross weight is 54,000 lbs, axle weight is 20,000 lbs with a 10,000 lb single wheel load. All container service areas must be on flat level surfaces.
- Customer warrants that any right-of-way provided for servicing equipment is of sufficient width and length(minimum 12' width with sufficient swept path clearances to negotiate turns, entrances/exits, etc.) to provide access to all equipment, vehicles and personnel access required to perform the designated services. Commercial Vehicle length is 35.6 feet with a 210-inch wheelbase for Front Load trucks and 33 feet with 278-inch wheelbase for Roll Off trucks. Wall to wall turning radius is 78 feet for Front Load/Side Load and 84 feet for Roll Off. There must be 70 feet of <u>unobstructed approach</u> (truck length + approach clearance) in front of each container for Front Load service and 100 feet <u>unobstructed approach</u> (truck length + service clearance) for Roll Off container service.
- Customer warrants that any right-of-way provided for servicing equipment is free from all obstructions that may interfere with servicing the container, including sufficient vehicle/driver access clearance areas and unobstructed visibility. Overhead ceilings, roofs, wires, pipes, or other obstructions must be a minimum of 14 feet above ground/service level at the lowest point on approach, and 25 feet of unobstructed clearance above the service location. Some configurations may require additional clearance space. CWD does not accept liability for damage to ceilings, roofs, wires, pipes, or other obstructions with insufficient clearances. Landscaping/vegetation must be planted with consideration for future growth potential.
- CWD does not accept liability for damage caused to automatic vehicular gates if they close against the service vehicle during entry/exit. Property access barriers, including automatic vehicular gates/arms, shall be equipped with a reversing Inherent Entrapment Sensing System (ground loop, magnetic, eye sensor, or other) installed, capable of detecting vehicles in both opening and closing cycles to prevent gate closure on entrapped vehicles. Due to increased risk of entrapped vehicles, vehicular gates with split entry/exit sides that swing in opposite directions are strongly discouraged. Service vehicles may be required to drive in the middle of two gates in order to have sufficient approach for entry/exit. Split entry gates must have appropriate entrapment devices installed to recognize a vehicle in the middle of the two gates. Gates/arms must have sufficient time allowed for slow-moving vehicle entrance/exit with a recommended minimum duration of 15 seconds. Proper access codes or remote activation device must be provided for service access.
- Front Load Enclosures must contain a minimum of 10 feet x 10 feet inside dimensions (two containers in shared enclosure must be a minimum of 20 feet wide) to provide reasonable safe clearance for servicing. Access doors/gates must be mounted to provide a minimum 10 feet wide unobstructed opening to the enclosure (20 feet for two containers in shared enclosure), have a 120-degree swing opening radius, and must be securable in both the open and closed positions. Enclosures should not be covered (open to the sky) above the container.
- Side Load Enclosures must be a minimum of 8 feet wide by 8 feet deep to provide reasonable safe clearance for servicing. Access gates/doors must be a minimum of 8 feet wide with a 180-degree swing opening and be capable of being secured in both the open and closed positions.
- Roll-Off Enclosures must accommodate a minimum of 2 feet clearance on each side of the container and 2 feet clearance in the front and rear of the container. Access gates/doors must be a minimum of 12 feet wide with a 120-degree swing opening and be capable of being secured in both the open and closed positions. (See compactor size diagrams for more information)
- Heavy-duty cane bolts of at least ½" diameter are recommended to be installed on both doors to secure them in the open/closed positions. The cane bolts shall smoothly and securely drop into the ground a minimum of 3 inches. Bollards or concrete wheel stops are recommended to be installed inside the enclosure to prevent containers from coming into contact with the back of the

enclosure. For metal enclosure doors/gates, three heavy-duty hinges per door are required to support the weight of the gates over the lifetime of the enclosure.

- All enclosure hardware (including access gates, doors, hinges, cane bolts, etc) must be of sufficient design and strength to
 accommodate repetitive use. Regular inspections and maintenance should be performed to ensure proper operation and to
 prevent hardware failure.
- Additional equipment, containers, or other items stored inside the enclosure must be kept a minimum of 2 feet away from each side, and 3 feet away from the rear of the dumpster container. CWD does not accept liability for grease container spills if the grease containers are stored inside the enclosure unsecured from the normal dumpster service area.
- All containers without enclosures must have a 3-foot obstruction-free clearance zone surrounding the container. This includes
 vehicles, poles, buildings, and any other obstructions. Containers located behind overhead/roll up doors are subject to the same
 minimum clearance requirements as containers inside enclosures.
- Containers on casters may not exceed 4 yards in size and must be limited to a required maneuverable distance of less than 25 feet. A smooth, flat, and level surface must be provided for all pathways the container must be maneuvered and will be expected to travel. Customer is responsible for securing containers on casters and preventing them from rolling when the containers are onsite but not immediately being serviced.
- All trash/recycle items must fit inside the container and not extend above the lip of the container. CWD is not responsible for damage caused by (or from) items left outside or on top of the container, or damage caused from servicing overloaded/overweight containers. Customer is responsible for any and all citations resulting from servicing/transporting overloaded/overweight containers.
- Building developer shall ensure that all additional enclosure dimensions and construction material meet the construction requirements of the local City Land Development Code. Customers with enclosures that will also be housing other non-trash/recycle serviceable containers (grease traps, oil containers, etc) must provide additional space to accommodate bollards to separate the regular trash/recycle container and the other container, plus a two-foot clearance (on each side) between the bollards and both containers. All drains/covers located inside the enclosure must have prior approval from the City. All enclosures walls must be 8-foot minimum height and uncovered (open to the sky).



Front Load Service

Container Dimensions:

Width- Length- Height

4 cubic yard dumpster 84" 60" 63"

6 cubic yard dumpster 84" 67" 72"

8 cubic yard dumpster 84" 72" 77"

*Sizes are approximate and may vary by manufacturer.

One cubic yard = 170 gallons

Height is measured with the lids. Lids must remain closed at all times except when the container is being loaded or unloaded. When lids are raised, full height from the ground to the top of lids may extend to 130".

Required Clearance for Front End Loading Vehicles:

Vertical (Approach and Exit) 14' High

Vertical (When dumping container) 25' High

Lateral Sixteen 16' Wide

Outside Turning Radius 78' - (84' feet in pick-up/service position)

Length of Vehicle 33' - (37' in pick-up/service position)

Side Load Service

Container Dimensions:

Width- Length- Height

3 cubic yard dumpster 60" 60" 52"

4 cubic yard dumpster 30" 66" 62"

*Sizes are approximate and may vary by manufacturer.

One cubic yard = 170 gallons

Height is measured with the lids. Lids must remain closed at all time except when the container is being loaded or unloaded. When lids are raised, full height from the ground to the top of lids may extend to 90".

Required Clearance for Side Loading Vehicles:

Vertical (Approach and Exit) 14' High

Vertical (When dumping container) 20' High

Lateral 12' Wide

Outside Turning Radius 78'

Length of Vehicle 33'

Roll Off - Open Top/Compactor Service

Open Top Dimensions:

40 Yard 30 Yard
Length: 22' Length: 22'
Width: 8' Width: 8'
Height: 8' Height: 6'
*Sizes are approximate and may vary.

Required Clearance for Roll Off Vehicles:

Vertical (Approach and Exit) 14' High

Vertical (When loading or unloading container) 25' High

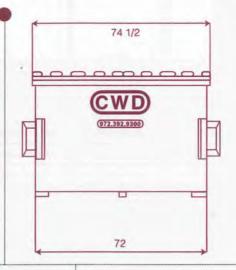
Lateral 12' Wide

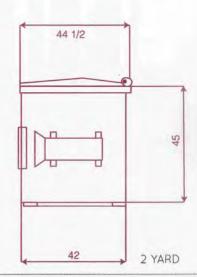
Service Area length 70' long

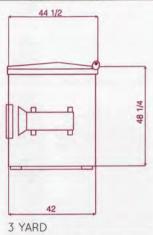
Outside Turning Radius 84'

Length of Vehicle 33'

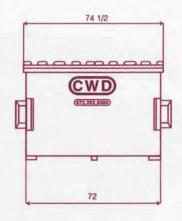
FRONT LOADING CONTAINERS

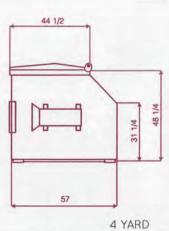


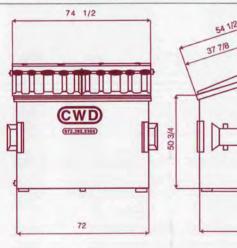




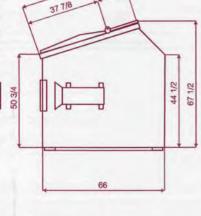


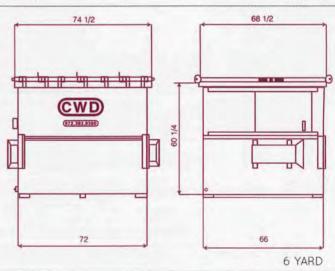






6 YARD SLANT





74 1/2

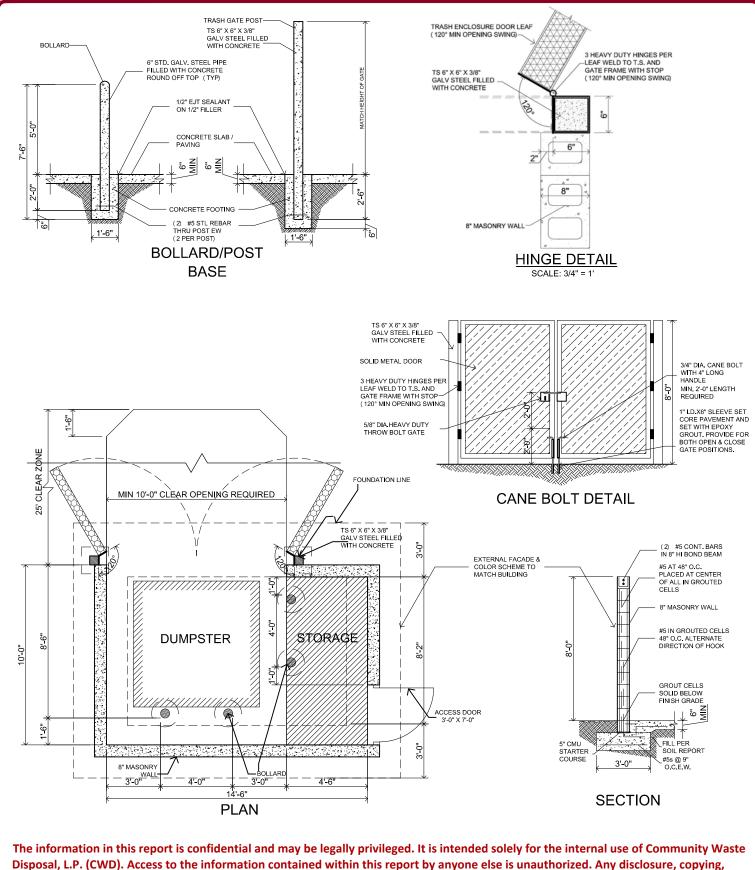
(WD)

(73.382.093)

8 YARD

All containers are manufactured from the highest quality materials to provide years of dependable service. Different styles are available and can be tailored to your waste disposal needs.





distribution or action taken or omitted based on this information is prohibited and maybe unlawful.

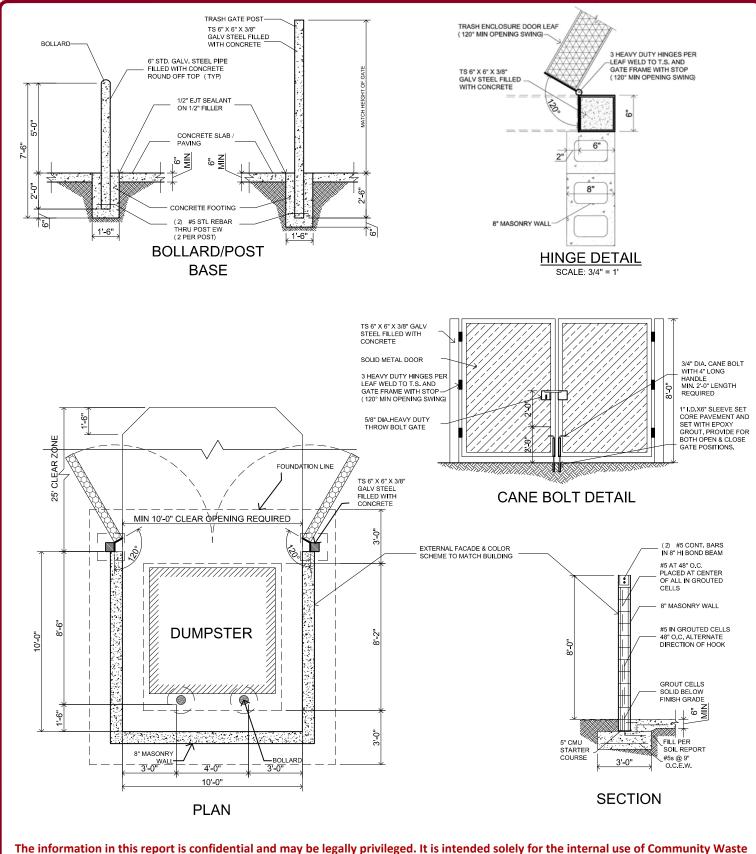


SINGLE DUMPSTER **WITH STORAGE**

AUGUST 23 2018

GUIDELINES SCALE: 3/16" = 1"





Disposal, L.P. (CWD). Access to the information contained within this report by anyone else is unauthorized. Any disclosure, copying, distribution or action taken or omitted based on this information is prohibited and maybe unlawful.

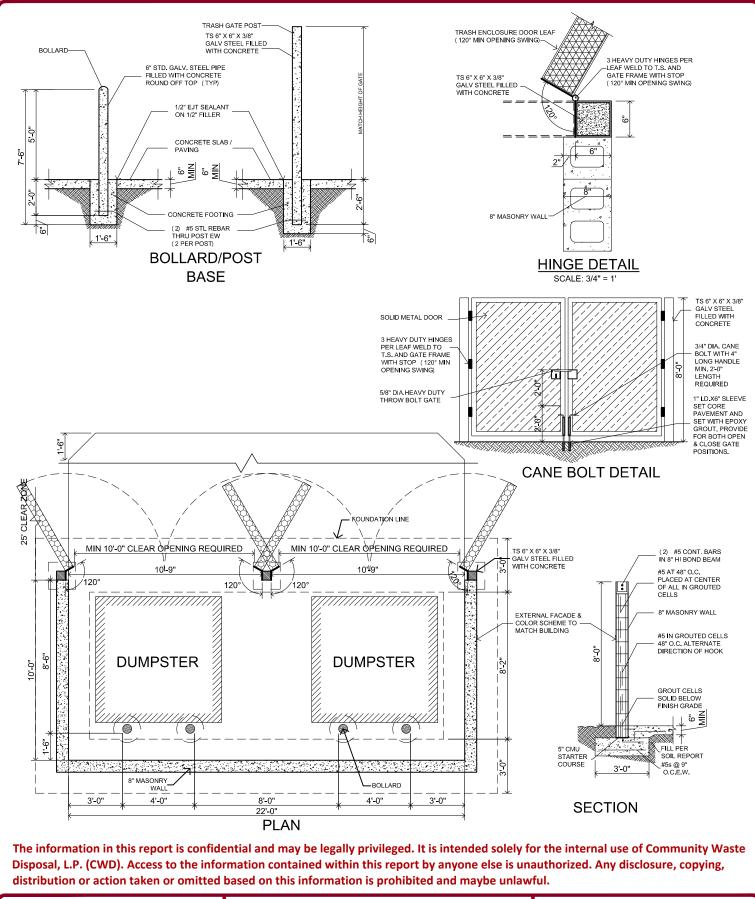


SINGLE DUMPSTER

AUGUST 23 2018

GUIDELINES SCALE: 3/16" = 1'





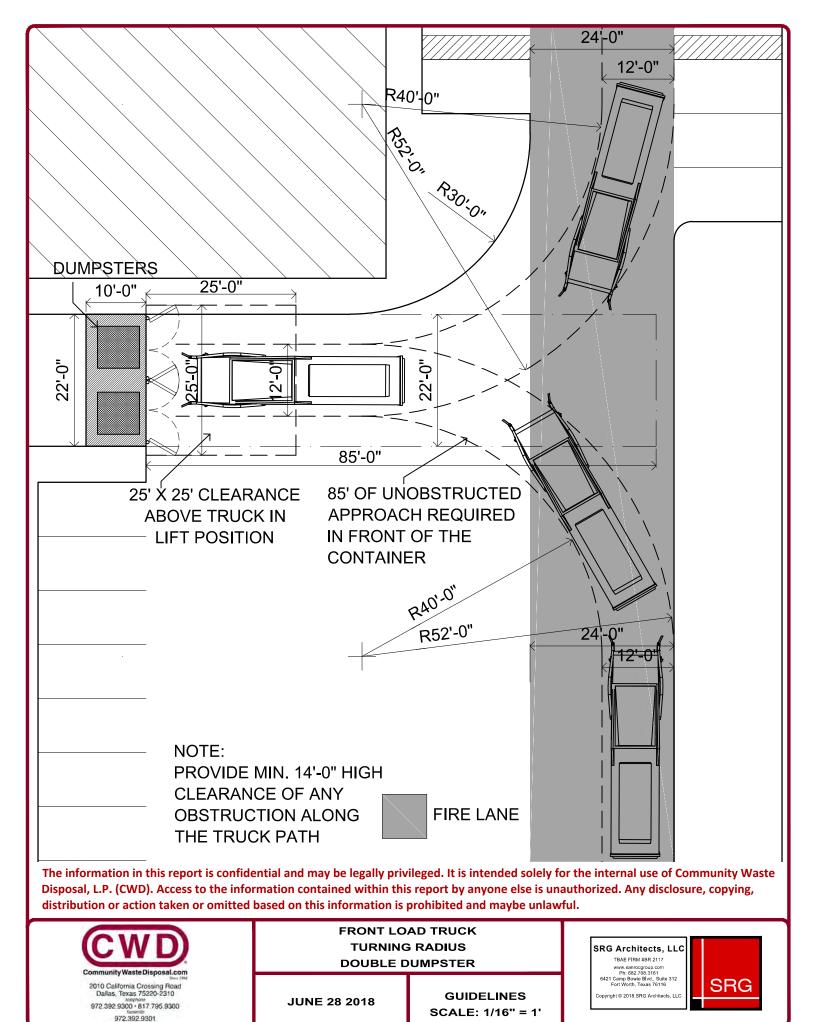


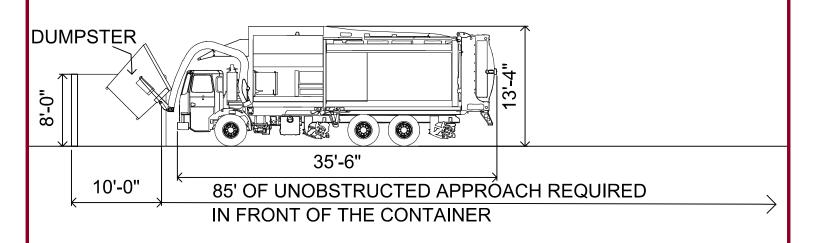
DOUBLE DUMPSTER

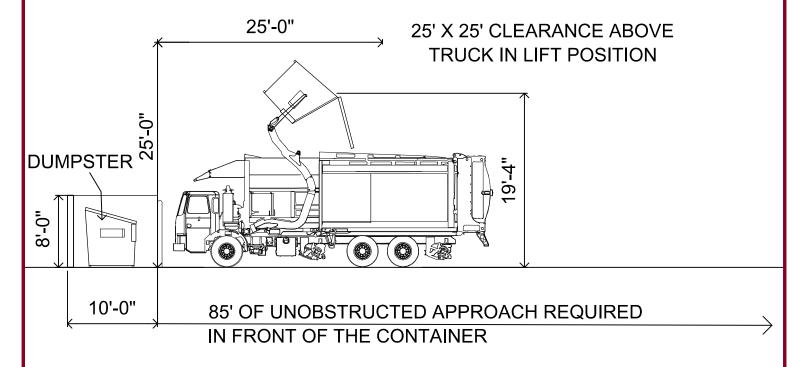
AUGUST 23 2018

GUIDELINES SCALE: 3/16" = 1"









The information in this report is confidential and may be legally privileged. It is intended solely for the internal use of Community Waste Disposal, L.P. (CWD). Access to the information contained within this report by anyone else is unauthorized. Any disclosure, copying, distribution or action taken or omitted based on this information is prohibited and maybe unlawful.

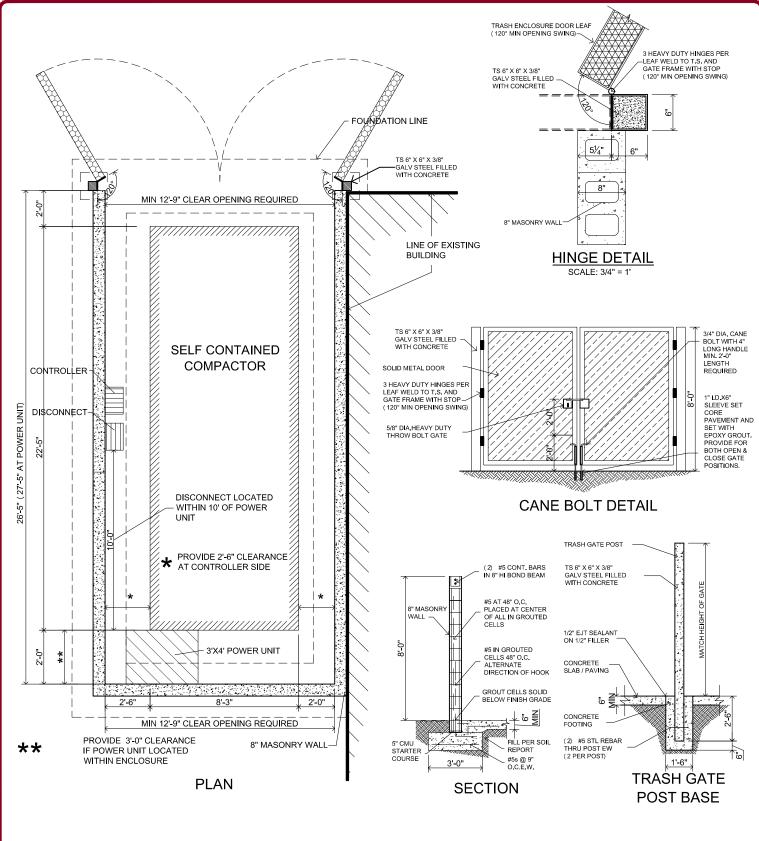


FRONT LOAD TRUCK SIDE ELEVATION

AUGUST 2 2018

GUIDELINES SCALE: 3/32" = 1'





The information in this report is confidential and may be legally privileged. It is intended solely for the internal use of Community Waste Disposal, L.P. (CWD). Access to the information contained within this report by anyone else is unauthorized. Any disclosure, copying, distribution or action taken or omitted based on this information is prohibited and maybe unlawful.

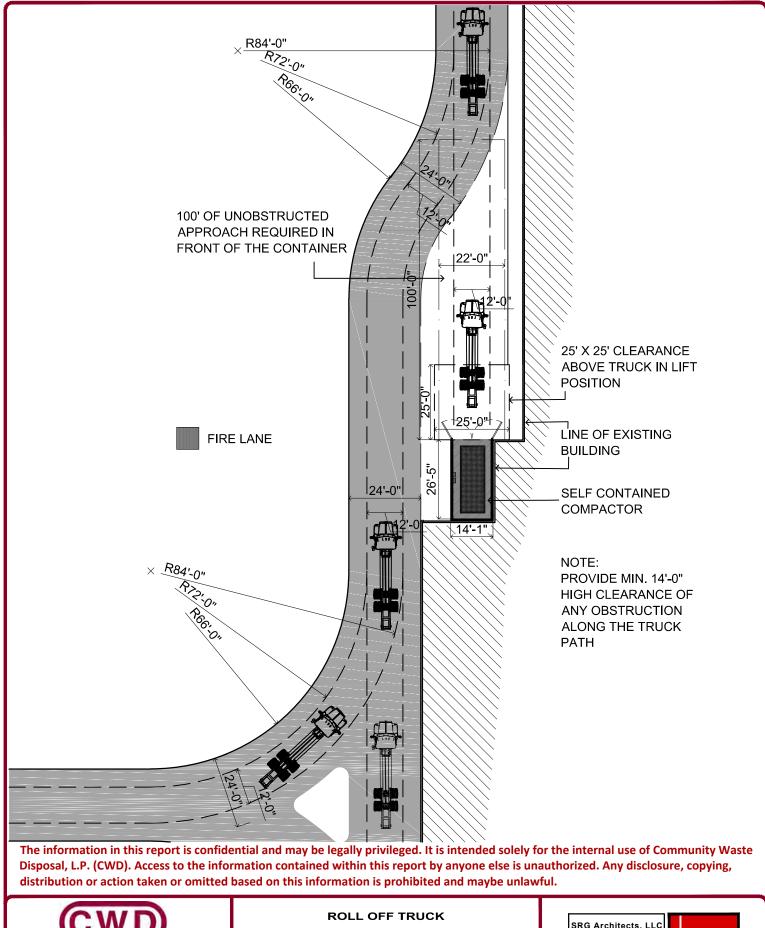


SELF CONTAINED COMPACTOR
ENCLOSURE PLAN

AUGUST 23 2018

GUIDELINES SCALE: 3/16" = 1'





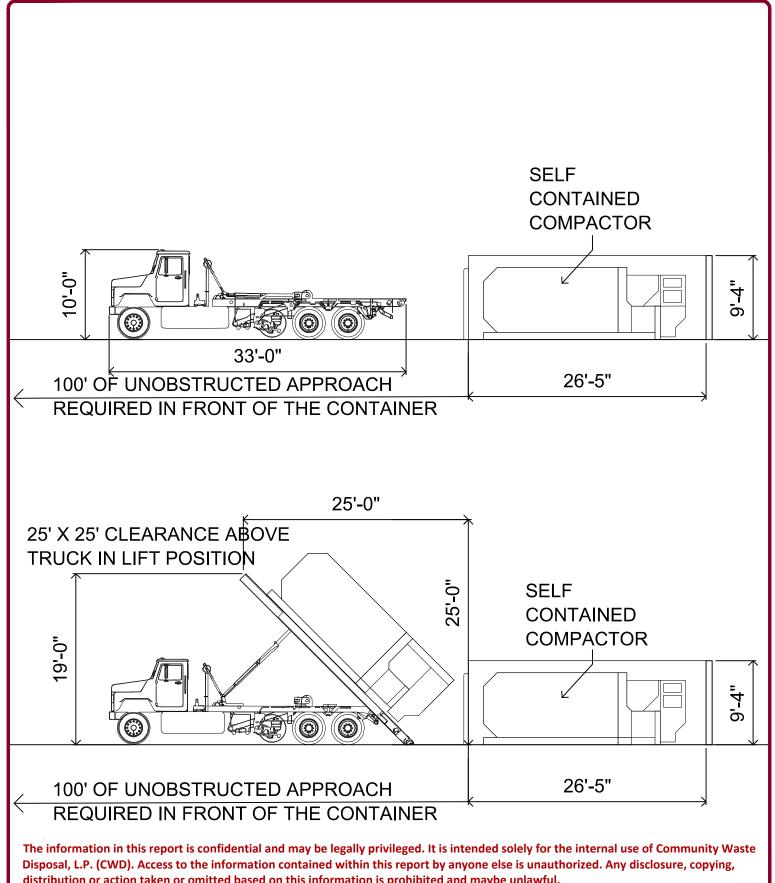
2010 California Crossing Road Dallas, Texas 75220-2310 972.392.9300 • 817.795.9300 972.392.9301

TURNING RADIUS

JUNE 28 2018

GUIDELINES SCALE: 1/32" = 1'





distribution or action taken or omitted based on this information is prohibited and maybe unlawful.



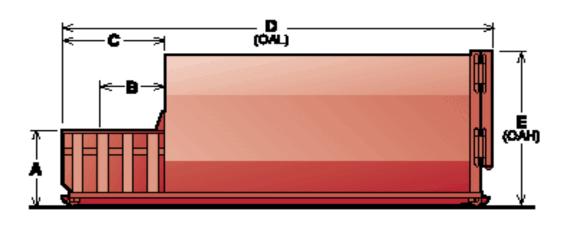
ROLL OFF TRUCK SIDE ELEVATION

AUGUST 2 2018

GUIDELINES SCALE: 3/32" = 1'



Self-Contained Compactors

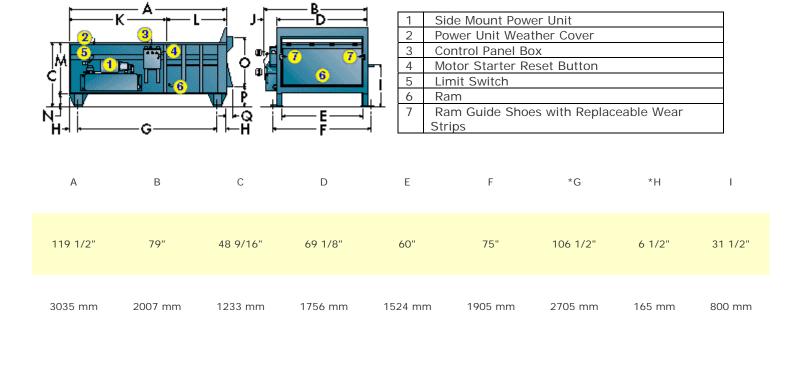


	Α	В	С	D**	E	LBS.
15 cu yds	4' – 0" 1219 mm	3' – 7- 1/4" 1099 mm	5' – 7- 1/2" 1715 mm	14' – 3" 4344mm	7' – 5" 2261 mm	8860 lbs. 4173 kg
20 cu yds	4' – 0" 1219 mm	3' – 7- 1/4" 1099 mm	5' – 7- 1/2" 1715 mm	17' – 4" 5284 mm	7' – 5" 2261 mm	9520 lbs. 4318 kg
25 cu yds	4' – 0" 1219 mm	3' – 7- 1/4" 1099 mm	5' – 7- 1/2" 1715 mm	17' – 10- 1/2" 5449mm	8' – 8" 2642 mm	10030 lbs. 4550 kg
30 cu yds	4' – 0" 1219 mm	3' – 7- 1/4" 1099 mm	5' – 7- 1/2" 1715 mm	20' – 5" 6223 mm	8' – 8" 2642 mm	10620 lbs. 4818 kg
35 cu yds	4' – 0" 1219 mm	3' – 7- 1/4" 1099 mm	5' – 7- 1/2" 1715 mm	22' – 5" 6833 mm	8' – 8" 2642 mm	11130 lbs. 5049 kg

Standard CWD Self Contained Compactor size is 35 cu yd.

^{*}Sizes are approximate and may vary by manufacturer

Stationary Compactors



Μ

39 9/16"

1005 mm

0

38 1/2"

978 mm

14 5/8"

371 mm

9"

229 mm

1873 mm

Κ

73 3/4"

9 1/2"

241 mm

L

45 3/4"

1162 mm

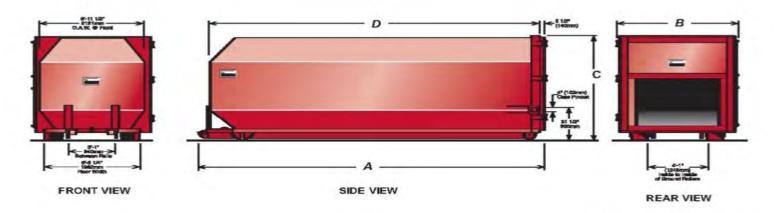
Q

5"

127 mm

[•] At Bolt Centers (reference dimensions only)

[•] Sizes are approximate and may vary by manufacturer.



Model No.	Α	В	c	D	Capacity	Max Force Rate	Weight (Approx.)
RJ-40 OC	22'-2"	8'-0"	8'-8"	20'-11"	40 cy	80,000 lbf	6700 lb
	6756mm	2438mm	2642mm	6375mm	31m ³	355.8 kN	3039 kg



Self-contained Roll-off Compactor / Containers











Mini-SCS system with truncated container



- Unitized construction & adjustable door with seal retains high-liquid waste.
- Controls and reduces odor / pest problems.
- Available with 1.5 or 2 cu. yd. capacity compactor.
- Available in 16', 18', 20', 22', and 24' lengths.
- Customized loading applications with security chutes, hoppers, and decks.
- Customized designs available including space saving narrow or short container construction.
- · Remote power unit.

- Secure safety door locking system with catch and cam locked, ratchet load binder.
- Oil spill pan positioned under hydraulic disconnect maintains a clean, safe working area.
- Container inspection/fire port standard.
- Double end pick-up on standard universal and deadlift understructures.
- Nylatron ram guide system.
- Conforms to current ANSI Z245 Standards.
- Industry's leading warranty program.

Specifications

Compactor Specifications

Model	SC	SCS		
Mfr's Rating (cu. yds.)	1.5	2		
WASTEC Type Rating (cubic yards)	1.03	1.57		
Clear Top Opening (in.) Length Width	31 58	40 56.5		
Chamber Length (in.)	32	42		
Ram Stroke (inches)	42	46.5		
Ram Penetration (in.)	10	5.5		
Force Rating (Ram PSI at Stated Forces/Lbs.)	29.5/44,200	27.6/49,200		
Hydraulic System Pressure	2,250	2,250		
Ram Face (inches) Width Height	60 25	59.5 30		
Cycle Time (seconds)	38	36		
Volume Displacement (cubic yards/hour)	99	158		
Motor H.P.	10	10		
Pump Volume G.P.M.	10	10		
Oil Reservoir (gallons)	25	25		

Material Specifications

Model SC SCS

Compactor Frame

Floor Plate	3/8" 1045/AR 235	3/8" 1045/AR 235			
Floor Plate Supports	TS 2" x 2" x 3/16" Bar 2" x 1/2"	TS 2" x 2" x 3/16" Bar 2" x 1/2"			
Side Plates	1/4"	1/4"			
Side Supports	6" x 2-1/2" 10 GA Formed Channel	6" x 2-1/2" 10 GA Formed Channel			
Breaker Bar	L 6" x 6" x 1/2" & TS 2" x 6" x 1/4" w/Retainer Teeth	L 6" x 6" x 1/2" & TS 2" x 6" x 1/4" w/Retainer Teeth			
Ram Hold Down Bars	1"x 1-1/2" Bar	1" x 1-1/2" Bar			

Ram

Face Plate	1/2"	1/2"
Floor Plate	1/2"	1/2"
Side Plates	1/4"	1/4"
Top Plate	1/4"	1/4"
Top Plate Supports	C 4" x 5.4#	C4"x5.4#

Container

Floor & Side Plate	7 GA	7 GA
Floor Supports (on 20" Centers)	C 3" x 4.1#	C 3" x 4.1#
Roof Plate	10 GA	10 GA
Main Rails	TS 2" x 6" x 1/4"	TS 2" x 6" x 1/4"
Bull Nose	1-1/4" Solid Steel Burn-out	1-1/4" Solid Steel Burn-out
Wheels (4 total)	5"W x 6-5/8"D	5"W x 6-5/8"D

Standard Controls & Features

Cylinder(s): SC - (1) 5" Bore x 2-1/2" Rod x 42" Stroke

SCS - (2) 4" Bore x 2-1/2" Rod x 34" Stroke

Automatic Multicycle System

Multi Minute Cycle Timer

Panel Mounted: Key Locked Start Button

Emergency Stop Button

Reverse Button

Tri-volt Selection (208, 230 or 460, 3 Phase)

Pressure Switch Soft-shift System

Monitor Gauge (Advance Full/Full Load Warning Pressure

Oil Suitable for Wide Temperature Range (-40° F Pour Point)

10' Hydraulic Hoses with Quick Disconnects

Provisions for Quick Disconnects Mounted on Left and Right Hand Sides

Oil Spill Pan Mounted Under Both Quick Disconnect Locations

Oil Level Gauge with Thermometer

10' Power Supply Cable

Removable Compactor Access Panel

Nylatron Ram Guide System

Octagon Container

Rear Container Door: Full Seal

Ratchet Locking System

Heavy Duty Adjustable Hinge System

Four Wheels with Grease Fittings

Universal or Deadlift Understructure with Double End Pick-up

Container Inspection Port

Optional Features

Remote Control Station with 10' Cable

Keyed Jog Controls

Advance Full Load Indicator

Low/Hot Oil Indicator Light with Shut-off

Thermo Oil Heater

TEFC Motor

Deodorizer or Disinfectant Spray System

Power Unit Cover with Lockable Door

Walk-on and Heavy Duty Decks

Safety Hand and Toe Rails

Rear or Side Load Hoppers

Rear or Side Load Security Chutes

Dog House Hoppers with Interlocked Door(s)

Container Centering Guide

Rectangular or Special Container Style

Double End Pick-up for Dempster and Hooklift Understructures

Special Understructures

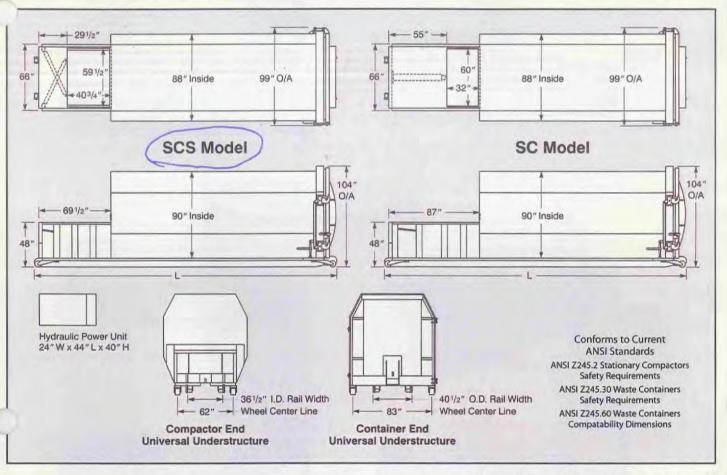
Special Shortened or Cut-down Container

Wear Strips on Main Rails

Heavy 6" x 2" x 3/8" Main Rails

Low Profile Compactor

Specifications



Model	SC 1619	SC 1822	SC 2026	SC 2231	SC 2435	SCS 1623	SCS 1827	SCS 2031	SCS 2235	SCS 2439
Capacity - Cubic Yards**	19	23	27	31	35	23	27	31	35	39
Compactor & Container - O/A Length (L)* Universal Understructure Deadlift Understructure Hooklift Understructure Hooklift Understructure w/Fold-down, Compactor End Hook	18'4-1/2" 18'7" 19'3"	20'4-1/2" 20'7" 21'3" 21'5"	22'4-1/2" 22'7" 23'3" 23'5"	24'4-1/2" 24'7" 25'3" 25'5"	26'4-1/2" 26'7" 27'3" 27'5"	18'4-1/2" 18'7" 19'3" 19'5"	20'4-1/2" 20'7" 21'3" 21'5"	22'4-1/2" 22'7" 23'3" 23'5"	24'4-1/2" 24'7" 25'3" 25'5"	26' 4-1/2" 26' 7" 27' 3" 27' 5"
Compactor & Container - Weight (Lbs.)	9,650	9,960	10,630	11,300	11,970	9,140	9,810	10,480	11,150	11,820
Remote Power Unit with Oil - Weight (Lbs.)	550	550	550	550	550	550	550	550	550	550

^{*} Check that the overall length of the unit does not exceed the maximum length that the hoist can haul. Special understructures may change the overall length of the machine, check with the factory for confirmation.

!CAUTION! This equipment should be operated by properly trained personnel. Improper use, misuse or lack of maintenance could cause injury to people and/or property. Photos used in this brochure are illustrative only. Due to its commitment to quality SP Industries' specifications are subject to change without notice to accommodate improvements to its equipment. Information contained within this literature is intended to be the most accurate available at the time of printing.

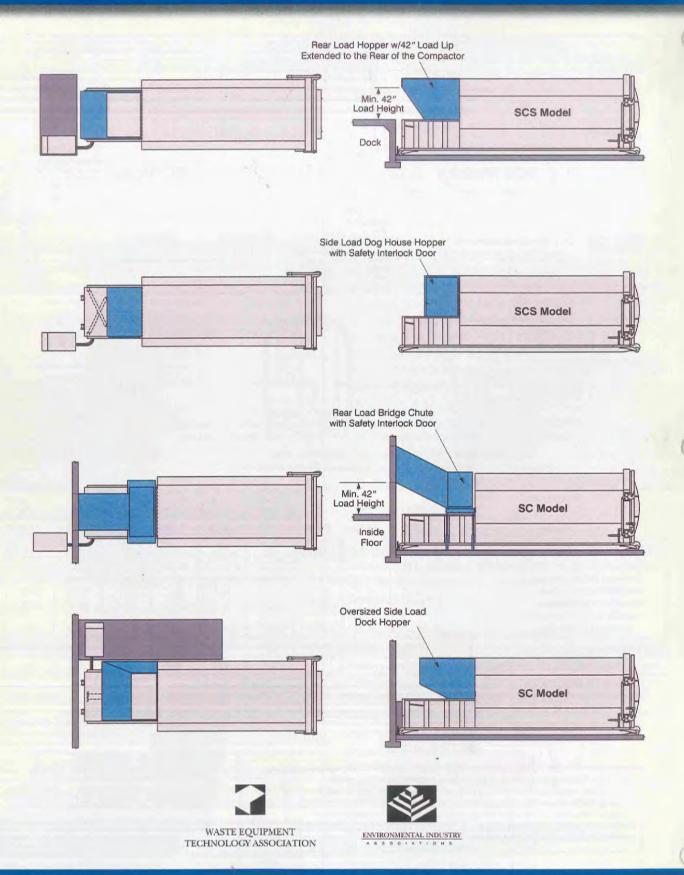


The remote power unit can be placed in any convenient location for protection from weather, accidents, and vandalism. All electrical components are UL listed.



^{**} A frame pull understructure is available. It will reduce the length of the unit by 10" and the capacity by approximately 1.3 cubic yards.

Typical Installations











SP INDUSTRIES, INC. 2982 Jefferson Road Hopkins, MI 49328 Phone: 800.592.5959 or 269.793.3232 Fax: 269.793.3232

Fax: 269.793.3232 Web: www.sp-industries.com

Email: info@sp-industries.com

Self Contained Compactor - Trash

Its well-engineered design, reliability and unique features make it a customer favorite.

Equipment Description





Self contained compactors are a good solution for properties that want to limit the escape of high liquid waste while controlling odor and pest problems. Because waste is compacted, the haul frequency is much less when compared with front load service.

Optional features include a custom loading application with security chutes, hoppers, and dock-side loading. Available for rental or purchase in sizes 15-35 yards, the equipment can be customized to your business.



Service

Services are available Monday through Saturday and may be requested by calling the CWD Customer Service Department at 972.392.9300, Option 2. A representative will schedule pickups, repairs, cleanings, and more. For pricing or an increase or decrease in service, please contact your CWD Sales Rep directly.

Installation

A Quick Disconnect Box must be provided within 10 feet of the compactor. In addition, one of the following is required:

- 460 volt, 3 phase, with 35 amp breaker, or
- 230 volt, 3 phase with 70 amp breaker, or
- 208 volt, 3 phase with 80 amp breaker, or
- 230 volt, single phase with 125 amp breaker

Equipment Delivery, Certification & Maintenance

Whether it is purchased or rented from CWD, the equipment will be custom designed for your business. All equipment meets OSHA and UL requirements. CWD will provide any maintenance or equipment needed during the rental agreement term.