

Duke UNIVERSITY

A118213

SOLID WASTE BINS

DUMPSTER
ROLL OFF CONTAINER
FOOD BINS



TRASH DUMPSTER

Serviced by a front load truck

Capacity: 8 cubic yard (standard)

Style: Side Door, Flat Front, Notch Back

Dimensions:

- Depth: 71" minimum, 72" maximum
- Height: 71" minimum, 72" maximum
- Body width: 71" minimum, 72" maximum (with sleeves: 80" - 81" wide)

Bottoms:

- 10 gauge steel
- Reinforced with a 90 degree x 2 3/4" wide "V" crimp containing a 1 1/2" drain and plug (pipe coupling)
- Reinforced additionally with a 2" x 2" x 3/16" angle running length of bottom opposite "V" crimp
- Four (4) caster pads constructed from 3/16" steel plate
- Fully-welded stress areas to aid in liquid retention

Front and Side Walls:

- 11 gauge steel minimum
- Reinforced with 90 degree x 1 1/2" "V" crimps, front and rear, to maintain rigidity

Side Doors:

- Side door opening (on the left and right sides) 28" x 28"
- 44" maximum height from ground to bottom of side door opening
- Full access to the 28" x 28" opening is required with the door in the open position

Front Bumper Pads and Side Lifting Sleeves:

- 3/16" thick, 36" long (maximum) sleeves
- 3/16" gussets for support
- 3/16" plate guides to assist fork arm e

Lids:

- Plastic Double wall construction with "V" crimp
- Contact the Sanitation and Recycling Office for paint color options



ROLL-OFF CONTAINER

Theatres, art studios, and maintenance shops often produce bulky waste that cannot be collected in front load dumpsters. Open top roll-off containers must be sited in some instances.

Concrete Information:

- The pad should be a minimum of 3,000 PSI concrete, with #4 bars at 12” on center each way, and 6” thick.
- Pour the pad on compacted earth with a minimum base of 4” ABC stone. These are minimum requirements.
- Final structural design of the pad shall be based on project requirements.



FOOD BINS

When the building contains food service operations, containers and exterior space must be allocated for grease collection and food waste recycling (composting). Check with Auxiliary Services/Campus Dining Services for specifications for grease recycling (required by state law) and food waste recycling space needs.

Ramp:

- If the design includes, or may in the future include, outdoor recycling or compost bins, it **MUST** include specifications for a ramp at least 5’ wide for access to the recycling containers.