

Recycling and Trash Specs

Interior Building Recycling Rooms

On all new building and interior building renovation projects the designer will provide space for the collection of recyclable waste materials.

Space for the collection of recyclable waste material will be provided on each floor level. The space provided must be an individual room or it may be an area set-aside for that specific purpose inside of a custodial closet.

Individual recycling rooms should be no less than 11'-8" L x 6'-8" W. Recycling areas incorporated into custodial closets should provide a 7'-6" L x 3'-0" W space for recycling containers and a clear walking area 3'-8" wide adjacent to the containers. These are considered minimum design standards for a (3) container recycling space. Typical University collection containers are 2'-6" W x 3'-0" D x 3'-10" H.

Recycling rooms should be located off of a main corridor with nearby access to an elevator or an exterior delivery area or loading dock if possible.

Exterior Building / Site

The design of all facilities will include provisions for exterior/ outdoor waste and recycling walkway cans and dumpsters/compactors. The number and location(s) will be coordinated with the University Office of Waste Reduction and Recycling.

Trash and Recycling Cans

Typically each waste/ recycling station will consist of a 4" thick concrete pad sized to accommodate, (approx. 32" wide x 60" long), two identical round ornamental metal containers, each holding a 36-gallon receptacle. Where exterior trash/recycling receptacles are to be included as part of a project, their location shall be shown on the construction drawings and included in the project specifications by the designer. **The University Office of Waste Reduction and Recycling should review all locations, decals and labels before final design.**

Trash cans - shall be side door opening 36 gallon litter receptacles, lid type S-2, latching, non-locking doors. Color shall be the manufacturers standard VS Tavern Square Green. All shall match existing receptacles currently used on campus. No labels. 36-Gallon High-density plastic liner sits on protective, rodent - resistant 1/8" thick steel plate cover.

Possible manufacturer: Victor Stanley - model SD-42

Recycling cans - shall be side door opening 36 gallon litter receptacles with lid type S-2, latching, non-locking doors. Specify plaques with lettering "Recycle",

plaque size 16 3/8" X 6", max label size 13" X 5". Plaque should be white, lettering should be Navy Blue. Specify decal labels for lid label with lettering "Recycle" on top label, 2 recycling symbols on the side labels and "Commingled" on the bottom label. White background with navy lettering. Color shall be the manufacturers standard VS Tavern Square Green. All shall match existing receptacles currently used on campus. 36-Gallon High-density plastic liner sits on protective, rodent - resistant 1/8" thick steel plate cover.

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Compactors – Based on 6yd., front feed, Vert-I-Pac compactors – compactor capacity and location will have to be evaluated for each site and adjustments could affect following specifications.

Concrete Pad - must be level, minimum 3,000psi, steel reinforced, 6"thick, large enough, to fit two compactors that have a height and width of 96 3/4" and a length of 96". Pad and approach must be on the same plane. Embedded anchor bolts are preferred and should be spaced according to placement of compactor.

Electrical – requires 3 phase, 460 volts, a lockable fused disconnect switch installed within sight of the compactors electrical panel box location, not to exceed 50' from the compactor.

Space requirements – 3' 5" ft on either side and in the back with at least 50ft of straight road/dumpster pad to ensure contractor can approach and dump compactor.

Dumpsters – based on 8yd standard front load dumpsters. Dumpster location and size will have to be evaluated for each site and adjustments could affect following specifications.

Concrete Pad – must be level, minimum 3,000psi, steel reinforced, 6" thick. At least 17' wide and 6' deep. Should accommodate an 8yd brown trash dumpster and an 8yd green commingled or cardboard dumpster (7' tall, 4'8" deep, 6' wide). Pad and approach must be on the same plane.

Space requirements – need at least 60ft. clearance for backing and turning.

Front Load Truck Dimensions – Approx.

Height: 13'3"

Vertical Clearance: 18'

Width: 8'

Length: 32' w/ forks extended

Turning radius: 72', 180 degree -- 25ft width to make turn into dumpster

Side Clearance needed: 12' (two feet each side, total of 4 extra feet)

Space requirements - need at least 60ft. clearance for backing and turning.

Truck weight: 24 tons (empty weight)

Residential Trash compactors/chutes/ trash rooms

Size Requirements

Size of chutes & compactors will be dependent on the number of residents to be housed in the building. Based on historical data at UNCG, we recommend at least 4yd compactors for both trash and recycling. (Please note that this is based on our current collection schedule of trash 3 times weekly and recycling once weekly). It is essential that chutes and compactors have an appropriate capacity for large residential communities and can accommodate the unique, and seasonally heavy, waste streams that come with college living (e.g. numerous pizza boxes, moving boxes & packing material, large quantities of garbage and recycling).

Access drives and compactor rooms

Vehicular / collection access to compactors must be straight and level because containers may be too heavy to be moved by hand. This will require at least 50ft of straight, level road or dumpster pad approaching the compactors. A roll-up door is requested for any Compactor / trash rooms for residential chutes.

Potential vendors for compacting residential chutes

1. Wilkinson High Rise - <http://www.wilkinsonhirise.com/index.html>
2. Ver-tech, Inc. - <http://www.ver-tech.com/index.html>
3. US Chutes - <http://www.uschutes.com/>
4. Marathon Equipment - <http://www.marathon-equipment.com/index.htm>