

CHAPTER V

TECHNICAL DESIGN & PERFORMANCE STANDARDS

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DIVISION 11 – EQUIPMENT

11170 WASTE HANDLING EQUIPMENT

This section is to include all the necessary information and specifications regarding waste handling equipment. It is the responsibility of the project to budget or reserve funds, order the equipment, receive it, install it, and pay the invoice for the following outdoor service area equipment:

- trash and cardboard dumpsters,
- rolloff containers, or
- horizontal compactors (for trash, cardboard or custom needs).

Horizontal compactors are considered part of the building systems. Compactors are to be included in the project budget, planning, design and specifications. This section **MUST** include detailed specifications for compactors.

The project design team must complete this table and include it in this specification along with other information about relevant outdoor service area equipment.

CATEGORY	CONTAINER TYPE	UNIT PRICE	QUANTITY	TOTAL	BUDGET?
Outdoor					
	6 yd trash/cardboard				Budget
	8 yd trash/cardboard				Budget
	Trash compactor				Budget
	Cardboard compactor				Budget
TOTAL BUDGET FOR OUTDOOR SERVICE AREA EQUIPMENT					

For detailed information, see the Site and Space Planning for Solid Waste Management: Containers and Equipment section of the OWRR design guideline website: <http://www.fac.unc.edu/OWRRGuidelines/>. Also see Sections 02870 Walkway Trash and Recycling Receptacles, 02475 Trash and Recycling Collection System for information about outdoor service areas and 12300 Custom Cabinets and Millwork for information about indoor recycling cabinets.

11610 LABORATORY FUME HOODS

Minimum face velocities for laboratory hoods shall be 100 FPM, with maximum face velocities of 110 FPM measured at an 18" sash opening with label identifying what fan serves it.

Identifying exhaust fan(s) serving the hood and label with hood number, hood location and room or lab number.

Exhaust stacks shall be at least 10 feet above the surface of the roof, discharged vertically, with a minimum velocity of 2500 fpm. Provide rain protection with use of a "no loss" stack as described in the Industrial Ventilation (latest edition) A Manual of Recommended Practice, Figure 8-6 "Stackhead construction."

Provide all hoods with an air monitoring device to alarm at low flow.



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