

## SECTION 11 82 26

### WASTE COMPACTORS AND DESTRUCTORS

#### PART 1 - GENERAL

##### 1.01 DESCRIPTION

- A. Section Includes waste compactor assembly and waste receiver containers.
- B. Related Sections:
  - 1. Electrical wiring and connections for waste compactors are specified in Division 26.

##### 1.02 SUBMITTALS

- A. Shop Drawings: Drawings from the manufacture detailing waste compactor fabrication and installation. Include plans, elevations, and large-scale details showing the layout and types of each item of equipment required, including components, and accessories.
  - 1. Show rough-in dimensions, service connection details, and the location of field connections.
  - 2. Show required clearances for equipment service and operation.
  - 3. Include setting drawings, templates, and directions for installing anchor bolts and other anchorages to be installed as under other Sections.
  - 4. Include wiring diagrams detailing wiring for power and control systems, differentiating clearly between manufacturer-installed wiring and field-installed wiring.
- B. Product Data: Product data for each type of waste compactor specified, including installation instructions for each principal component. Provide shipping, installed, and operating weights.
- C. Samples: Color chart of manufacturer's range of available colors for selection by County's Representative.
- D. Quality Control: Statement of installer qualifications.
- E. Closeout: Manufacturer's instructions for operation and maintenance of equipment. Include name, address, and telephone number of the manufacturer's nearest service representative.

##### 1.03 QUALITY CONTROL

- A. Installer Qualifications: Authorized representative of waste compactor manufacturer for both installation and maintenance of the type of equipment required for this Project.
  - 1. Maintenance Proximity: Not more than 2-hours' normal travel time from the installer's place of businesses to the Project site.
- B. Comply with applicable requirements of ANSI Z245.1, "Safety Requirements for Refuse Collection and Compaction Equipment," and NFPA 82, "Incinerators, Waste and Linen Handling Systems and Equipment."
- C. Electrical Component Standard: Provide components that comply with NFPA 70, "National Electrical Code" and are listed and labeled by UL.
- D. Comply with ANSI Z245.3, "Safety Requirements for the Stability of Refuse Bins."

#### 1.04 MAINTENANCE SERVICE

- A. Starting at date of Substantial Completion, provide full maintenance of compactors for 3-months on a weekly surveillance basis, followed by 9-months on a monthly surveillance basis.
- B. Correct operational imperfections, and restore or replace defective or deteriorated components and finishes.
- C. Use only parts, components, and supplies as those used in manufacture and installation of original equipment.

#### PART 2 - PRODUCTS

##### 2.01 APPROVED MANUFACTURER

- A. Pacific Compactor Corporation "Model P2000" or approved equal.

##### 2.02 COMPONENTS

- A. Waste-Compactor Assembly: Commercial service quality, complete and ready for installation on concrete substrate.
  - 1. Overall Size: 101-inches wide x 58-inches deep x 102-inches high.
  - 2. Load Opening: 85-inches x 24-inches.
  - 3. Container Height: 47-inches.
  - 4. Container Size: 2-cu. yds.
  - 5. Container Capacity: Up to 15-cu. yds.
  - 6. Platen Area: 48-inches x 27-inches.
  - 7. Twin Cylinders: 3-inch Bore x 37.5-inch Stroke x 1.5-inch Rod.
  - 8. Max. Ram Force: 34,000-pounds.
  - 9. Cycle Time: 28-seconds.
  - 10. Fluid Capacity: 6-gal.
  - 11. Pump: Two stage.
  - 12. Electrical: 115/230V, 1-phase, 60-Hz.
  - 13. Motor: 2HP – TEFC.
  - 14. Loading Height: 47-inches.
- B. Finish: Factory-applied finish on all exposed parts consisting of prime coat and enamel finish coat. Color to be selected by County's Representative from manufacturer's standard colors.

## 2.02 FABRICATION

- A. Fabricate waste compactor with manufacturer's standard joints and seams, with exposed edges smoothed and eased.
  - 1. Fabricate bins, compaction chambers, unit bodies, and similar components of steel plate with welded joints.
  - 2. Reinforce with structural steel members, sized and spaced to withstand impacts and pressure of normal operations and of adequate strength to prevent excessive long-term development of waves or valleys.
- B. Fabricate with replaceable parts at point of normal wear.
- C. Provide materials, devices, and controls of type and quality recommended by NEMA. Refer to Division 26 Sections for power characteristics and service to equipment units, including disconnect switches.

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- A. Install waste compactor assembly in accordance with reviewed submittals, final shop drawings and manufacturer's instructions.
- B. Set each compactor securely and accurately in place; plumb, level, and properly aligned. Anchor for secure operation.
- C. Complete field assembly with joints as recommended by manufacture. Grind welds smooth, and restore finish. Comply with NEMA Standards for electrical work.

### 3.02 DEMONSTRATION

- A. Provide the services of a factory-authorized service representative to provide startup service and to demonstrate and train County's personnel.
  - 1. Test and adjust compactor controls and safety features. Replace damaged or malfunctioning controls and equipment . Make necessary adjustments for safe and proper operations of equipment.
  - 2. Instruct County's operational personnel in proper use and maintenance of compactor. Demonstrate capacity ratings, safety features, cleaning procedures, and proper methods for storage and handling of raw and processed waste materials.
  - 3. Schedule training with County with at least 7 days in advance.

END OF SECTION