
 * INCH-POUND *

 OO-R-2741
 September 21, 1992
 SUPERSEDING
 MIL-R-23954D
 20 May 1983

FEDERAL SPECIFICATION

REFUSE CONTAINERS, HOISTING UNIT; TILT-OVER, FOR FRONT LOADING COMPACTION TYPE TRUCKS

This specification is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. SCOPE

1.1 Scope. This document covers steel refuse containers operationally suitable for use with front loading, compaction type body, refuse collection trucks procured under MIL-T-46701 and MIL-T-46748.

1.2 Classification. Unless otherwise specified (see 6.2), refuse containers are of the following classes, types, and sizes as specified (see 6.2) (see figures 1 through 4 for illustrations).

- Class I - Equipped for use with two point container hoisting device
- Class II - Equipped for use with single and two point container hoisting devices
- Class III - Equipped for use with single point container hoisting device

Type A - Top and end loading

- Size 3 - 3 cubic yards net volume
- Size 4 - 4 cubic yards net volume
- Size 5 - 5 cubic yards net volume
- Size 6 - 6 cubic yards net volume
- Size 8 - 8 cubic yards net volume

 Beneficial comments (recommendations, additions, deletions) and any pertinent
 *data which may be of use in improving this document should be addressed to: *
 *Commanding Officer (Code 156), Naval Construction Battalion Center, *
 *621 Pleasant Valley Road, Port Hueneme, CA 93043-4300, by using the *
 *self-addressed Standardization Document Improvement Proposal (DD Form 1426) *
 *appearing at the end of this document or by letter. *

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OO-R-2741

Type B - Top loading

Size 1 - 1 cubic yard net volume
Size 2 - 2 cubic yards net volume
Size 3 - 3 cubic yards net volume
Size 4 - 4 cubic yards net volume

Type C - Curb collection

Size 2 - 2 cubic yards net volume
Size 3 - 3 cubic yards net volume
Size 4 - 4 cubic yards net volume

Type D - Trailer type, wheel mounted

Size 4 - 4 cubic yards net volume
Size 5 - 5 cubic yards net volume

1.2.1 Part or Identifying Numbers (PIN). A specification-based PIN to identify the class, type, and size of refuse containers covered by this document is included in section 6.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standard. The following specifications and standard form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Military Specifications

MIL-T-704 - Treatment and Painting of Material
MIL-C-3774 - Crates, Wood; Open 12,000- and 16,000-Pound Capacity
MIL-T-46701 - Truck, Tilt-Frame: Container Handling, With Tilt Cab, Diesel Engine Driven, 51,000 Pounds, GVW, 6X4, Commercial; Including Detachable Bodies and Stationary Compactors
MIL-T-46748 - Trucks, Refuse Collection: With Front Container Hoist Device; 20,200 to 25,400 Kilograms (44,500 to 56,000 Pounds) GVW, 6X4, With Tilt Cab, Modified Commercial

Military Standard

MIL-STD-129 - Marking for Shipment and Storage

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.1.2 Other Government document. The following other Government document forms a part of this specification to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

OO-R-2741

Occupational Safety and Health Administration (OSHA)

Title 29, CFR, Part 1910.145 - Specifications for Accident Prevention
Signs and Tags

(Application for copies should be addressed to the Superintendent of
Documents, U.S. Government Printing Office, Washington, DC 20402.)

(Copies of specifications, standards, and other Government documents required
by contractors in connection with specific acquisition functions should be
obtained from the contracting activity or as directed by the contracting
activity.)

2.2 Non-Government publications. The following documents form a part of
this specification to the extent specified herein. Unless otherwise specified,
the issues of the documents which are DOD adopted are those listed in the issue
of the DODISS cited in the solicitation. Unless otherwise specified, the issues
of documents not listed in the DODISS are the issues of the documents which are
current on the date of the solicitation (see 6.2).

American National Standards Institute, Inc. (ANSI)

ANSI Z245.3 - Safety Requirements for Stability of Refuse Bins

(Application for copies should be addressed to the American National
Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.)

ASTM

ASTM D 3951 - Commercial Packaging
ASTM D 3953 - Flat Steel Strapping/Connectors

(Application for copies should be addressed to ASTM, 1916 Race Street,
Philadelphia, PA 19103.)

(Non-Government standards and other publications are normally available from
the organizations that prepare or distribute the documents. These documents
also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of
this document and the references cited herein, the text of this document takes
precedence. Nothing in this document, however, supersedes applicable laws and
regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified in the contract or purchase order, a
sample shall be subjected to first article inspection (see 4.2.1, 6.2 and 6.4).

3.2 Standard commercial product. The container shall, as a minimum, be in
accordance with the requirements of this specification and shall be the
manufacturer's standard commercial product (see 6.5). Additional or better

OO-R-2741

features which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product, shall be included in the container being furnished.

3.3 Materials. Materials shall be as specified herein and in applicable specifications and standards, and other referenced documents. Materials not specified shall be selected by the contractor and shall be subject to all provisions of this specification. Materials shall be free of defects which adversely affect performance or serviceability of the finished product.

3.4 Design. The containers shall be completely compatible with the container hoisting device of the refuse collection truck as specified in MIL-T-46701 and MIL-T-46748. The container design shall permit complete discharge of the contents by using the operating controls on the truck, without manual assistance of any kind. There shall be no construction or obstruction within the container to interfere with the discharging of contents. It shall not be necessary to manually open the container lid(s) in order to accomplish the dumping of refuse into the truck body. A means of escape, consisting of a latch or linkage whereby at least one door of each container can be opened from the inside, shall be provided on type A, B, and D containers. When specified (see 6.2), type B containers shall be of a tapered commercial design to facilitate nesting of like containers. When specified (see 6.2), four swivel casters of sufficient capacity, with anti-friction wheel bearings shall be provided, and container shall be fitted with caster pads. A drain hole of not less than 1-1/2 inch diameter nominal pipe size, fitted with a threaded corrosion-resistant plug, shall be provided at the bottom of one end wall of each container. When specified (see 6.2), type C and type D containers shall be equipped with riding steps commercially offered by the manufacturer on his standard type C and type D containers. In addition to other requirements specified herein, limiting requirements for container bodies, lids, and doors, unless otherwise specified (see 6.2), shall be as shown in table I.

TABLE I. Limiting requirements, type A, B, C, and D containers.

* Type and size	* Wt of payload per cu yd net volume (lb nom)	* Body width (in., +/-1/2 in.)	* Body height (in., not less than)	* Metal thickness, nom (in., not less than)	* Side panel	* End panel	* Size of end doors (in., not less than)
* Type A	*	*	*	*	*	*	*
* Size 3	* 650	* 72	* 54	* 0.1046	* 0.1046	* 0.1046	* 23 X 23
* Size 4	* 550	* 72	* 56	* 0.1046	* 0.1046	* 0.1046	* 23 X 23
* Size 5	* 500	* 72	* 60	* 0.1046	* 0.1046	* 0.1046	* 30 X 28
* Size 6	* 500	* 72	* 60	* 0.1046	* 0.1046	* 0.1046	* 30 X 27
* Size 8	* 350	* 72	* 78	* 0.1046	* 0.1046	* 0.1046	* 30 X 27
* Type B	*	*	*	*	*	*	*
* Size 1	* 1,000	* 65 min	* 27	* 0.1046	* 0.1046	* 0.1046	* N/A
		* 72 max	*	*	*	*	*
* Size 2	* 1,000	* 64 min	* 36	* 0.1046	* 0.1046	* 0.1046	* N/A
		* 72 max	*	*	*	*	*
* Size 3	* 650	* 72	* 48	* 0.1046	* 0.1046	* 0.1046	* N/A
* Size 4	* 550	* 72	* 48	* 0.1046	* 0.1046	* 0.1046	* N/A

OO-R-2741

TABLE I. (continued)

* * * * Type * and * size *	*Wt of *payload *per cu *yd net *volume *(lb nom)*	* * * * Body * width *(in., * +/-1/2 * in.)	*Body *height *(in., *not *less *than)	* * * * Metal thickness, nom *(in., not less than) * Side * Bottom * panel	* * * * End * panel	* * * * Size of *end doors *(in., not *less than)*	* *
* Type C	*	*	*	*	*	*	*
* Size 2	* 1,000	* 72	* 36	* 0.1345	* 0.1046	* 0.1345	* N/A
* Size 3	* 650	* 72	* 48	* 0.1345	* 0.1046	* 0.1345	* N/A
* Size 4	* 550	* 72	* 48	* 0.1345	* 0.1046	* 0.1345	* N/A
* Type D	*	*	*	*	*	*	*
* Size 5	* 550	* 72	* 56	* 0.1046	* 0.1046	* 0.1046	* MS*

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*MS - Manufacturer's standard.

3.5 Construction. Containers shall be constructed in accordance with the requirements specified herein and as necessary to be operationally compatible with the front loading refuse collection trucks specified (see 3.4).

3.5.1 Hoisting attachment.

3.5.1.1 Class I container. Class I container shall have a hoisting attachment suitably located on each end wall designed to accommodate the lifting forks of two point container hoisting devices. At the option of the contractor, the hoisting attachments may be of the boxed sleeve or open bracket guide design, provided that in either design each attachment shall be not less than 24 inches long, except that for size 1 container the attachments shall be not less than 13 inches long. Each hoisting attachment shall be designed, reinforced, braced, and attached to withstand a pull of not less than 4,000 pounds (lb), applied as a shearing action, without failure or permanent distortion of any part. The two point hoisting attachment shall be constructed of not less than 0.1196 inch thick steel (US revised standard gage No. 11).

3.5.1.2 Class II containers. Class II containers shall have a hoisting attachment located on each end wall designed to accommodate the two point container hoisting device, and shall have a hoisting attachment located on rear side wall designed to accommodate the single point container hoisting device as shown in figure 5. The two point hoisting attachment shall be constructed of not less than 0.1196 inch thick steel (US revised standard gage No. 11). At the option of the contractor, the end wall two point container hoisting attachments may be of the boxed sleeve or open bracket guide design, provided that in either design each attachment shall be not less than 24 inches long, except that for size 1 container, the attachments shall be not less than 13 inches long. Each end wall hoisting attachment shall be designed, reinforced, braced, and attached to withstand a pull of not less than 4,000 lb, applied as a shearing action, without failure or permanent distortion of any part. The hoisting attachment located on the rear side wall will be designed to accommodate the hookup system of the single point hoisting device. The rear side wall hoisting attachment

OO-R-2741

shall be capable of being locked automatically to the hoisting device on the truck (see 3.4), and of withstanding a pull of not less than 4,500 lb. The single point container hoisting attachment shall be as shown in figure 5.

3.5.1.3 Class III containers. Class III containers shall have a hoisting attachment located on rear side wall designed to accommodate the single point container hoisting device. The rear side wall hoisting attachment shall be capable of being locked automatically to the hoisting device on the truck (see 3.4), and of withstanding a pull of not less than 4,500 lb. The single point container hoisting attachment shall be as shown in figure 5.

3.5.2 Top lids. Unless otherwise specified (see 6.2), and excepting type C containers, all containers shall have top lids. Unless otherwise specified (see 6.2), thickness of sheet steel for top lids shall be not less than 0.0598-inch (US revised standard gage No. 16) nominal thickness. Type A, sizes 3 and 4, and type B containers shall have right and left top lids with their meeting edge on the transverse centerline of the container. Type C containers shall have flap lids, unless otherwise specified (see 6.2), which may be closed to prevent undue wind discharge of contents during hoisting and dumping operations or between loading operations. The type C container flap lids shall be those commercially offered by the manufacturer on his standard type C container. Type A, sizes 5, 6, and 8 containers, and type D containers shall have front and back lids with their meeting edge parallel with the longitudinal center of the container, and the rear lid shall have shock absorbing torsion spring stops to protect the lid during operations. Each lid shall have a handle suitably located for manual opening and closing. Top lids shall extend 10 to 15 degrees beyond the perpendicular from the hinge of the lid to insure a stable lid to stay safely in an open position. Unless otherwise specified (see 6.2), lids for containers size 5 and larger shall have boxed edges constructed with a cross section of not less than 1 inch. For containers size 4 and smaller, rolled edges not less than 3/8-inch (nominal) inside diameter are permitted. When metal top lids are not required, type D containers shall be equipped with a fabric covering of suitable material equal to the manufacturer's current standard commercial offering. When specified (see 6.2), a mechanical advantage device shall be provided to assist the opening of top lid loading containers. The maximum force for opening of the lids shall be not more than 15 lb and the lid shall stay in the open position without props. When a mechanical advantage device is provided, single lids are permitted.

3.5.3 End doors. Unless otherwise specified (see 6.2), type A and D containers shall have an end door in the upper portion of each panel (when manufacturer's current standard commercial type D model is so equipped). Sheet steel for end doors shall be not less than 0.0747-inch (US revised standard gage No. 14) nominal thickness. At least one door of each container shall be openable from the inside. Doors shall have snug fitting edges to preclude the entrance of flies. Bottom edge of end doors shall not be over 48 inches (nominal) above the bottom of the container.

3.5.3.1 Sliding end doors. When specified (see 6.2), type A and D containers shall have sliding door end assemblies in the upper portion of each end panel. All doors shall be provided with latch system in the closed position to keep doors closed during lifting cycle. Doors and tracks shall be designed to operate on the outside and slide to the closed position during the hoisting

OO-R-2741

operation. Sheet steel for end doors shall be not less than 0.0747-inch (US revised standard gage No. 14) nominal thickness. Bottom edge of end doors shall not be over 48 inches (nominal) above the bottom of the container.

3.5.4 Hinges. Top lids furnished with shock absorbing torsion spring stops shall have heavy-duty hinge pins not less than 1 inch (nominal) in diameter. For top lids without springs, the hinge pins shall not be less than 3/8 inch (nominal) in diameter. Straps for hinges shall be of 1/4-inch (nominal) thick heavy-duty steel or greater and shall be single piece construction. For size 4 and smaller, the edges rolled for reinforcement are acceptable as part of the hinge. Butt hinges are not acceptable. Right and left lids shall be hinged at not less than two points, front and rear lids and flap lids shall be hinged at not less than three points. Each end door shall have two heavy-duty plate butt hinges not less than 4 by 4 inch (nominal) with fixed pins. Type D container end doors shall be equipped with manufacturer's current commercial hinges.

3.5.5 Bottom rests. Containers shall have bottom rest of one of the following fabrications:

- a. Three steel 3-inch channels, located at each end and one in the center, each channel running full depth of the container.
- b. One steel 3-inch channel centrally located and running full depth of the container and equipped with corner stabilizing pads, having the same height as the channel. Corner pads shall be adequate for mounting casters.

3.5.6 Reinforcement. The refuse container shall be fully reinforced to withstand the stresses from heavy loading and rough usage, and to provide rigidity and resist buckling. The ends of angles, channels, pipes, and other hollow members shall be welded closed to prevent entry of vermin or other objects. Reinforcements shall include the following:

- a. Side panels of size 5 and larger containers shall have not less than one pressed rib in each panel, or shall have an equivalent reinforcement angle or channel welded on the outside face of each panel. End panels shall have sufficient reinforcement, as required, to withstand applied loadings and pickup forces.
- b. The perimeters of openings for lids and doors shall have reinforcements to provide rigidity and act as stops. Double-thickness metal, or reinforcing pads, shall be provided where hinges are attached.
- c. Lids and doors shall have pressed ribs or equivalent reinforcement to provide rigidity. Edges shall be in accordance with 3.5.2 and 3.5.3. Double-thickness metal reinforcing shall be provided where hinges are attached to flat panel surface rather than to reinforced edges.
- d. Steel scuff or bumper plates, not less than 0.1345 inch (US revised standard gage No. 10) nominal thickness shall be provided at each end of the rear panel of the container body, adjacent to the hoisting attachments, to protect the container from damage caused by the points of the hoisting forks.

3.5.7 Type D containers. Type D containers shall be equipped with two pneumatic tires, hand actuated parking brake, T-bar lifting handle, pintle hook type hitch, skid rest, 40 inch to 48 inch tow bar equipped with tow ring and two

OO-R-2741

safety chains. Suspension shall be of the drop axle design. Above items shall be of manufacturer's current standard commercial offering.

3.6 Performance. In addition to other design and operational requirements specified herein, all containers shall be capable of withstanding the test specified in 4.4 without breakage, joint failure, or permanent distortion of any part. The test load, in lb, shall be equivalent to the product of the size number multiplied by the weight of payload per cubic yard as shown in table I.

3.7 Cleaning, treatment, and painting. Unless otherwise specified (see 6.2), surfaces normally painted in good commercial practice shall be cleaned, treated, and painted as specified herein. When specified (see 6.2), the unit shall be cleaned, treated, and painted in accordance with MIL-T-704, type A or B. Surfaces to be painted shall be cleaned and dried to insure that they are free from contaminants such as soil, grease, welding slag and spatter, loose mill scale, water, dirt, corrosion product, or any other contaminating substances. As soon as practicable after cleaning, and before any corrosion product or other contamination can result, the surfaces shall be prepared or treated to insure the adhesion of the coating system. The painting shall consist of at least one coat of primer and one finish coat. The primer shall be applied to a clean, dry surface as soon as practicable after cleaning and treating. Painting shall be with manufacturer's current materials according to manufacturer's current processes and the total dry film thickness shall be not less than 2.5 mils over the entire surface. The paint shall be free from runs, sags, orange peel, or other defects. The color of the finish coat shall be as specified (see 6.2).

3.7.1 Protective coating. When specified (see 6.2), a protective coating system shall be provided on the interior surface of the refuse containers. The protective coating material shall be polyurethane monomer container system. The system shall consist of a single component polyurethane coating applied in a dry thickness of not less than 3 mils on the entire interior surface. This coating shall be compatible with a two component, 100 percent solids, 2-1/2 to 1 ratio, polyurethane elastomer which is to be applied as a critical area liner. This liner shall be not less than 20 mils dry thickness on the vertical walls and not less than 30 mils dry thickness on the bottom. The height of the vertical wall application for each coating shall be not less than 12 inches from the bottom with the mil thickness measured 6 inches from the bottom. The protective coating system shall compliment unloading while providing impact and abrasion protection as well as being chemically resistant to acids, alkalis, water, and salt. Asphaltic or coal tar extended solutions are not acceptable.

3.8 Stability. Containers shall be stable in accordance with ANSI Z245.3.

3.9 Signs.

3.9.1 Caution signs. Caution signs shall be in accordance with ANSI Z245.3.

3.9.2 Danger signs. Three danger signs shall be permanently affixed to the lower center of the outside face of the wall opposite the bail wall and each end wall of the container. Exterior size of danger sign shall be not less than 7 inches high and 10 inches long. The sign shall read as follows:

"DANGER - STAY CLEAR AT ALL TIMES WHEN CONTAINER IS OFF GROUND"

OO-R-2741

The configuration wording, dimensions, and color of the sign shall conform to OSHA Title 29, CFR, Part 1910.145.

3.10 Marking. When specified (see 6.2), each container shall be marked with the contract or order number and the National Stock Number. This marking shall be of permanent type paint and contrasting color of the container. The letter size of the marking shall be a minimum of 2 inches high.

3.11 Workmanship.

3.11.1 Steel fabrication. The steel used in fabrication shall be free from kinks, sharp bends, and other conditions which would be deleterious to the finished product. Manufacturing processes shall not reduce the strength of the steel to a value less than intended by the design. Manufacturing processes shall be done neatly and accurately. All bends shall be made by controlled means to insure uniformity of size and shape.

3.11.2 Welding. Welding procedures shall be in accordance with a nationally recognized welding code. The surface of parts to be welded shall be free from rust, scale, paint, grease, or other foreign matter. Welds shall be of sufficient size and shape to develop the full strength of the parts connected by the welds. Welds shall transmit stress without permanent deformation or failure when the parts connected by the weld are subjected to proof and service loadings.

3.11.3 Castings and forgings. All castings shall be sound and free from patching, misplaced coring, warping, or any other defect which reduces the casting's ability to perform its intended function. Forgings shall be uniform in quality and condition, and shall be free from tears, cracks, seams, laps, internal ruptures, imbedded scale, segregations, or other defects which may detrimentally affect the suitability for the purpose intended.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

OO-R-2741

4.1.2 Material inspection. The contractor is responsible for insuring that supplies and materials are inspected for compliance with all the requirements specified herein and in applicable referenced documents.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.2.1).
- b. Quality conformance inspection (see 4.2.2).

4.2.1 First article inspection. The first article inspection shall be performed on one completed container when a first article sample is required (see 3.2 and 6.2). This inspection shall include the examination of 4.3 and the tests of 4.4. The first article may be either a first production item or a standard production item from the supplier's current inventory provided the item meets the requirements of the specification and is representative of the design, construction, and manufacturing technique applicable to the remaining items to be furnished under the contract.

4.2.2 Quality conformance inspection. The quality conformance inspection shall include the examination of 4.3 and the tests of 4.4. This inspection shall be performed on the samples selected in accordance with 4.3.

4.3 Examination. Each container shall be examined for compliance with the requirements specified in section 3 of this specification. Any redesign or modification of the contractor's standard product to comply with specified requirements, or any necessary redesign or modification following failure to meet specified requirements shall receive particular attention for adequacy and suitability. This element of inspection shall encompass all visual examinations and dimensional measurements. Noncompliance with any specified requirements or presence of one or more defects preventing or lessening maximum efficiency shall constitute cause for rejection.

4.4 Test. The first article refuse container shall be tested as follows to verify compliance with the requirements of this document. All tests shall be repeated for not less than 10 cycles.

- a. Place the empty container on a level ground surface.
- b. The container shall be lifted by each of the applicable hoisting devices through the complete dumping cycle to insure compatibility with the trucks specified in 3.4.
- c. Load the container with a quantity of dry sand of the total payload weight specified in 3.6 for the applicable size container.
- d. The loaded container shall be lifted by each of the applicable hoisting devices to the height of 48 inches from the ground level and held in this position for 1 minute.
- e. The loaded container shall be lowered at controlled speed from a height of 4 feet onto one 4 by 4 piece of wood placed horizontally on the ground so that the wood is in a diagonal position across the corners of the bottom of the container. The container shall then be lifted and examined for permanent distortion, warpage, bending or other damage to any part of the container. Any failure or defect shall be cause for rejection.

OO-R-2741

- f. Type C containers shall be tested in accordance with the above criteria except that type C containers equipped with riding steps shall be tested with a 300-lb weight applied to each riding step in addition to the load designated in 4.4.c.
- g. Type D containers shall be tested in accordance with the above criteria except that type D containers equipped with hand actuated parking brake shall be tested while fully loaded, with brake set, parked on a 30 percent grade to insure holding capability.

5. PACKAGING

5.1 Packing. The packing shall be level A, B, or commercial as specified (see 6.2).

5.1.1 Level A. Each container, except type D, shall be shipped in a crate conforming to MIL-C-3774, type I. Cushioning, anchoring, blocking, and bracing shall be in accordance with the appendix of MIL-C-3774.

5.1.2 Level B. Containers shall be shipped uncrated. All lids and doors shall be closed and secured to prevent accidental opening with strapping conforming to ASTM D 3953. Cushioning shall be placed under strapping where required, to prevent damage to the container.

5.1.3 Commercial. Containers shall be packed in accordance with ASTM D 3951.

5.3 Marking. Marking shall be in accordance with MIL-STD-129.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The containers specified are for use with refuse collection trucks having front mounted hoisting device with two pickup arms or a single-point pickup mechanism.

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in acquisition documents:

- a. Title, number, and date of this specification
- b. Class, type, and size of container required (see 1.2)
- c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1 and 2.2)
- d. When first article is required for inspection and approval (see 3.1, 4.2.1, and 6.4)
- e. When nestability is required (see 3.4)
- f. When casters are required (see 3.4)
- g. When riding steps are required on type C containers (see 3.4)
- h. When limiting requirements are other than as specified (see 3.4)
- i. When top lids are not required (see 3.5.2)
- j. When thickness of sheet steel for top lids is other than as specified (see 3.5.2)

OO-R-2741

- k. When flap lids are not required for type C containers (see 3.5.2)
- l. When top lids are other than as specified (see 3.5.2)
- m. When a mechanical advantage device is required (see 3.5.2)
- n. When end doors are not required (see 3.5.3)
- o. When sliding end doors are required (see 3.5.3.1)
- p. When cleaning, treatment, and painting should be MIL-T-704, method A or B (see 3.7)
- q. Color of finish coat required (see 3.7)
- r. When protective coating is required (see 3.7.1)
- s. When special marking is required (see 3.10)
- t. Level of packing required (see 5.1)

6.3 Data requirements. When this document is used in an acquisition and data are required to be delivered, the data requirements should be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (CDRL), incorporated into the contract. When the provisions of DOD FAR Supplement, Part 27, Sub-Part 27.475-1 (DD Form 1423) are invoked and the DD Form 1423 is not used, the data should be delivered by the contractor in accordance with the contract or purchase order requirements.

6.4 First article. When a first article inspection is required, the item will be tested and should be a first article sample. The first article should consist of one unit. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examination, test, and approval of the first article.

6.5 Definition.

6.5.1 Standard commercial product. A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.

6.6 Supersession data. This specification supersedes military specification MIL-R-23954D dated 20 May 1983 and Amendment 1 dated 05 March 1984.

6.7 Cross reference data. Cross reference data of classification (Class, type, and size) of refuse containers covered by this specification and the superseded specification are identical.

6.8 Part or Identifying Numbers (PIN). The PIN to be used for refuse containers covered by this specification are established as follows:

	F2741	XXX	X	X
Federal Specification number	-----*	*	*	*
Class --- (see 1.2)	-----*		*	*
Type ---- (see 1.2)	-----*			*
Size ---- (see 1.2)	-----*			

OO-R-2741

6.9 Keywords.

Curb collection
End loading
Top loading
Trailer type
Trash
Wheel mounted

MILITARY INTERESTS:

Military Coordinating Activity

Navy - YD

Custodians

Army - ME

Navy - YD

Review Activity

DLA - GS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Navy - YD

(Project 3990-0210)

Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See section 2 of this specification to obtain extra copies and other documents referenced herein.

OO-R-2741

FIGURE 1. Class I, type A.
-FIGURE NOT INCLUDED-

OO-R-2741

FIGURE 2. Class I, type B.
-FIGURE NOT INCLUDED-

OO-R-2741

FIGURE 3. Class II, type C.
-FIGURE NOT INCLUDED-

OO-R-2741

FIGURE 4. Class I, type D.
-FIGURE NOT INCLUDED-

OO-R-2741

FIGURE 5. Single point container hoisting attachment.
-FIGURE NOT INCLUDED-

