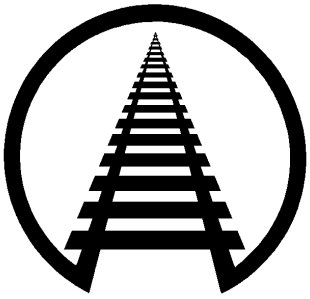
General Information Series No. 787

Universal Storage Containers® Loaded in 53 ft. Intermodal Containers

ILG Method H-15 (New)

Approved by
DAMAGE PREVENTION & FREIGHT CLAIM COMMITTEE
Association of American Railroads



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Universal Storage Containers® Loaded in 53 ft. Intermodal Containers
(Intermodal Loading Guide Method H-15)

GENERAL RULES

The General Rules relating to personal safety and the safe operation of trains, contained in AAR Circular Nos. 42-M and 43-G or supplements thereto, issued by the Association of American Railroads, **must be observed**.

These loading rules and/or practices apply to shipments transported in the USA, Canada and Mexico.

The loading methods in individual closed car loading publications issued by the Damage Prevention and Loading Services Section of the Association of American Railroads are minimum standards that have been evaluated and approved. These minimum standards offer practical guidelines on the subjects covered. Since these are minimum standards, it may be necessary to supplement these methods in some instances.

Securement standards in AAR closed car loading publications are intended for safe transit of the rail car from origin to destination and prevention of lading and equipment damage. These standards do not address unloading practices.

This approval may be withdrawn if the loads using these methods exhibit consistent load failure during actual shipments.

Loading and bracing methods not presently approved may receive consideration for approval and publication under Section II - Evaluation of New Loading and Bracing Methods and Materials for Closed Cars, Trailers or Containers of ***General Information Bulletin No. 2, "Rules and Procedures for Testing of New Loading and Bracing Methods or Materials"****. Submit requests to Director Damage Prevention and Loading Services, AAR/TTCI, 55500 DOT Road, Pueblo, CO 81001.*

CAUTION: Car rocking motion caused by the lift equipment entering and/or exiting the rail car may cause unsupported packages or articles with a higher center of gravity to fall to the floor. Minimize access to the car. Exercise caution when inside a partially loaded car. Lift operators should stay on lift equipment, whenever possible, while inside a partially loaded car.

GENERAL

This loading method is for Universal Storage Containers, loaded with household goods, secured in 53 foot long domestic containers. Household goods, furnishing or furniture are restricted commodities in intermodal service. **The use of this method must conform to each railroad's specific tariff/restrictions.** Consult the specific carrier intermodal tariffs or rules circulars for restrictions.

This method does not permit the housing of dangerous or hazardous goods or non-hazardous liquids in the storage containers in any quantity.

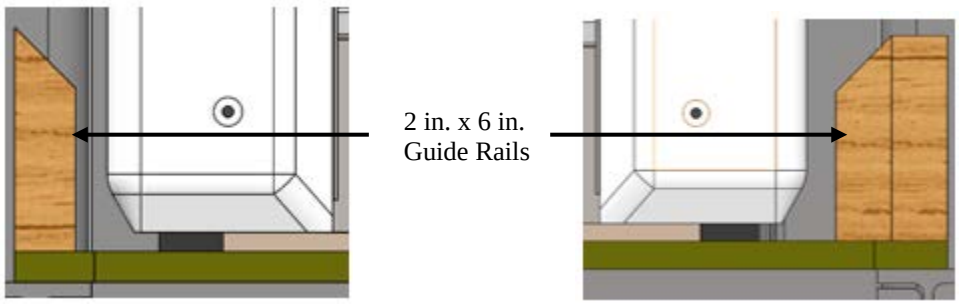
Illustration No. 4.49A: Universal Storage Containers

1. Universal Storage Containers measure 87.5 in. long by 92 in. wide by 100 in. tall and are loaded in one row centered in a standard domestic 53 ft. long container. See Sketch 2.

2. Prior to loading:

    a. At the door, along left side wall, install one 2 in. x 6 in. x 8 ft. board vertically to laterally block each container. The top of this 2x6 is to be beveled at a 45^0 angle down the entire 8' length so that the shorter part of the bevel is facing the inside of the container and the taller side is up against the container wall. The 2x6 is to be toenailed into the container floor on each end and in the middle.

b. At the door, along right side wall, install two 2 in. x 6 in. x 8 ft. boards side by side vertically to laterally block each container. The top of the one 2x6 closest to the inside of the container is to be beveled at a 45 degree angle down the entire 8 foot length so that the shorter part of the bevel is facing the inside of the container and the taller side is up facing the container wall. The top of the 2x6 closest to the side of the container is not beveled. Both 2x6's are toenailed into the container floor on each end and in the middle. See Sketch 1.



SKETCH 1

c. In the remaining 45 ft. length of the container, install along the left side wall 2 in. x 4 in. boards vertically against the container side wall to form a continuous guiderail to laterally block each container. Toenail these 2x4's to the container floor on each end and in the middle.

d. In the remaining 45' length of the container, install along the right side wall two 2 in. x 4 in. boards vertically against the container side wall to form a continuous guiderail to laterally block each container. Toenail these 2x4's to the container floor on each end and in the middle.

3. Use 2 closed cell honeycomb panels, measuring 3 in. thick by 48 in. wide by 96 in. tall, between the 2nd and third, 4th and 5th, and 6th and 7th USC Containers. Panels are constructed of core type 4, having a 33 lb/in^2 compression strength. See Sketches 2 & 3.

4. At the doorway, install three 2 in. x 6 in. softwood boards (referred to as 'bull boards') across the doorway, with each end securely fitted into the doorpost slots on either side of the doorway. The lower bull board should be positioned 8 inches above the container floor, using wood spacers placed upright in the doorpost slots. Use 12 in. long spacers between the first and second, and second and third bull boards. Toenail the vertical spacers in position to the bull boards to prevent their dislodging. See Sketch 4.

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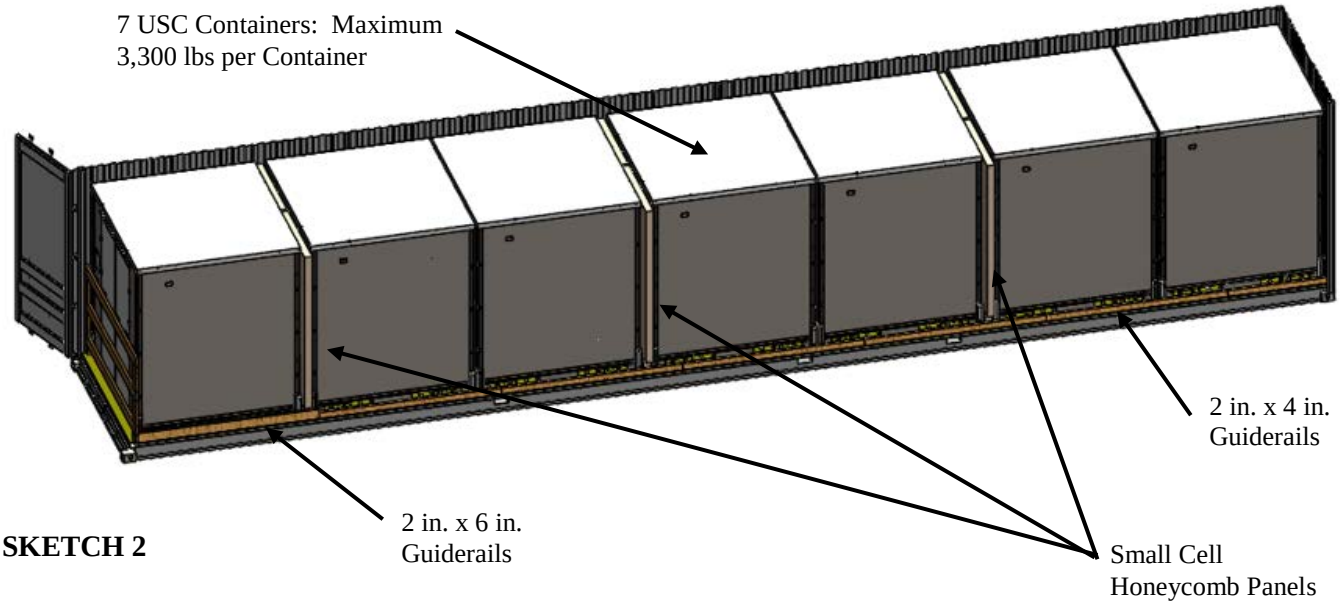
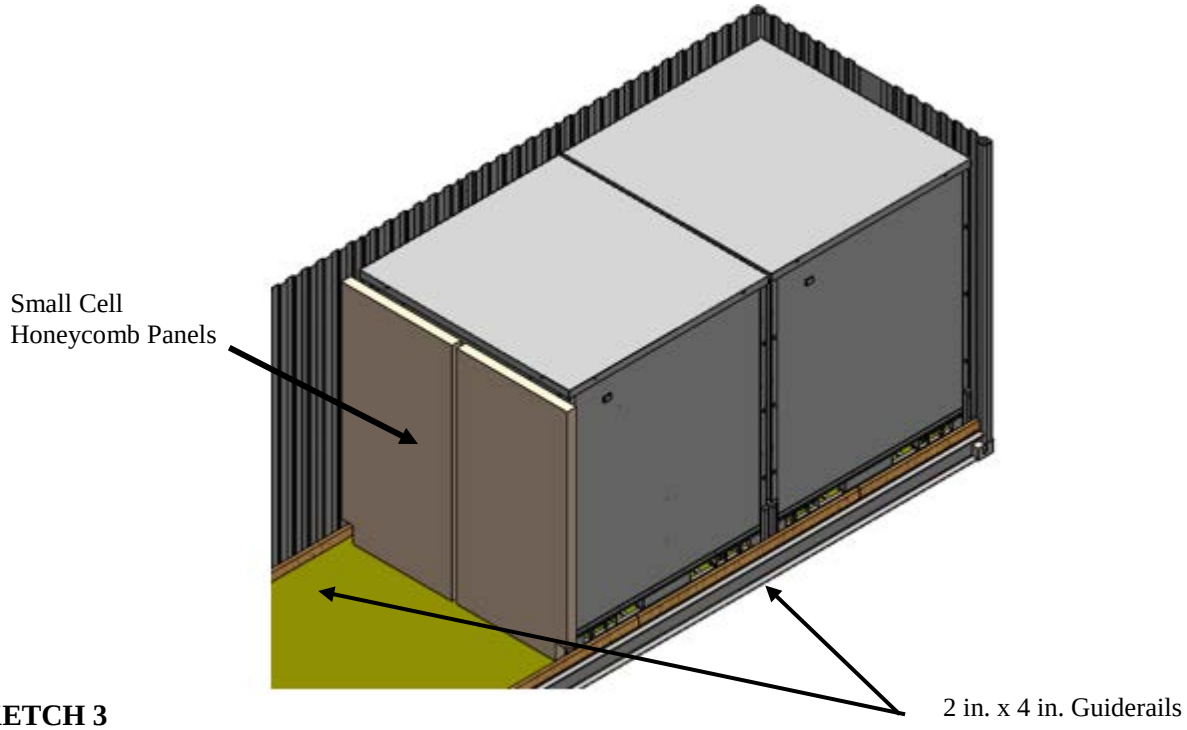


SKETCH 2



SKETCH 3

Universal Storage Containers® Loaded in 53 ft. Intermodal Containers
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SKETCH 4

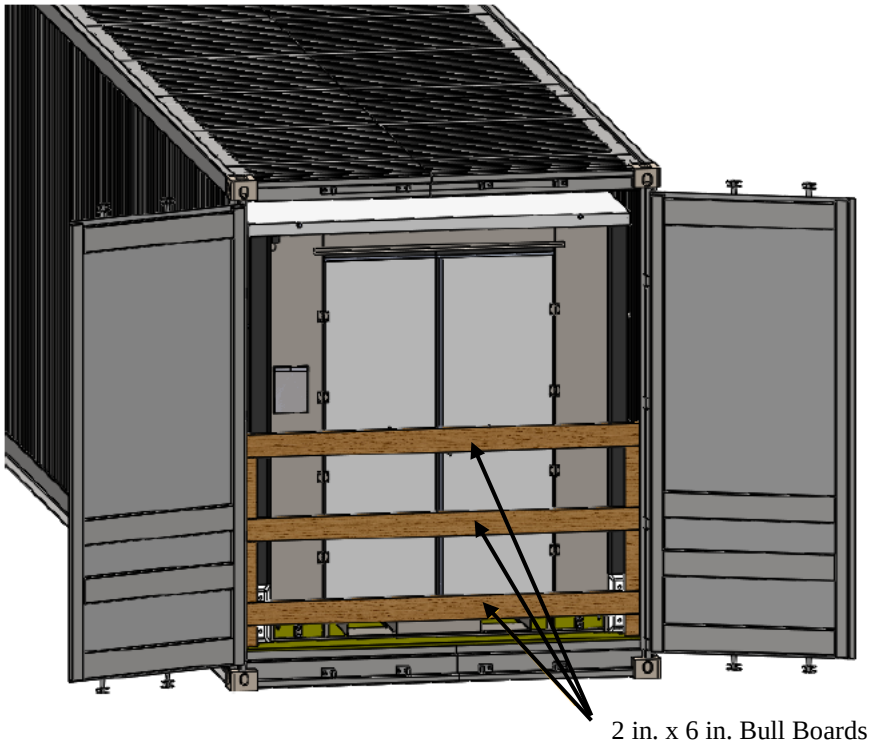

Figure 4.49A
Universal Storage Containers

General Information Series No. 787

Universal Storage Containers® Loaded in 53 ft. Intermodal Containers
(Intermodal Loading Guide Method H-15)

General Information Series Publications

749 50 in. Diameter Roll Paperboard in 50 ft. Cushioned Boxcars with Horizontal Airbags (8/16)
750 Double Layer Loads of 55 Gallon Closed Head Steel Drums Secured with Cordstrap® Barriers in a 20-ft Container (Intermodal Loading Guide Method I-4HM) (8/16)
752 Large Diameter Paper Rolls in 60 ft. Cushioned Boxcars with Anchored Straps (10/16)
753 60 in. Diameter Roll Paperboard in 60 ft. Boxcars with Doorway Stacks on Risers (10/16)
754 Wood Bins Braced by Disposable Inflatable Dunnage Bags and Lengthwise Fillers (CCLG Part 7, Section 6.3 Revised 10/16)
755 55-Gallon Steel Drums on Pallets Secured with Cordstrap® Barriers in 40-ft ISO Containers (Nonhazardous Materials only) (Intermodal Loading Guide Method I-6) (new 11/16)
757 46 in. to 57 in. Diameter Roll Paper on End Using Rubber Mats (Revised Intermodal Loading Guide Method E-21) (1/17)
758 58 in. Diameter Roll Pulpboard with an Incomplete Second Layer Loaded On End (Former Pamphlet No. 39, Method 11) (2/17)
759 Revision to Paragraph 2.5, Distribution of Weight Crosswise in Cars, CCLG Part 10, Primary Metals (2/17)
760 Incomplete Layers of Plywood Secured in Boxcars with Nonmetallic Straps, CCLG Part 3, Plywood (2/17)
761 37 in. Diameter Plastic Stretch Wrapped Kraft Rolls Loaded in a Single Layer in 60 ft. Cushioned Boxcars Using Rubber Mats and Lengthwise Filler Panels (3/17)
763 Roll Paperboard in Boxcars with Doorway Stacks on Risers and Rubber Mats (6/17)(Cancels GIS 762)
764 Non-metallic Strap Substitution for Steel Strap as Doorway Protection in Boxcars (Cancels GIS 756) (06/17)
765 Wood Bins Braced by Disposable Inflatable Dunnage Bags and Shock-Gard® Lengthwise Void Fillers (7/17)
766 45 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars with Double Plug Doors (8/17)
768 Gearboxes Mounted on Sleds in 20 ft. Long ISO Containers (9/17)
769 42 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars Using Rubber Mats and Airbags (CCLG Part 2, 8.3.2.6)(9/17)
770 48 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars Using Horizontal Airbags (CCLG, Part 2, Section 8) (9/17)
771 50 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars Using Sidewall Fillers and Horizontal Airbags (CCLG, Part 2, Sections 5.6.10 & 8.2.4.4 Revised)(10/17)
772 81 in. Diameter Roll Paperboard in 50 ft. Standard Draft Gear Boxcars with Sliding Doors (CCLG Part 2, Section 8.2.8.1) (10/17)
773 42 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars with 12 ft. Doors (CCLG Part 2, Section 8.2.2.5) (12/17)
774 48 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars with 16 ft. Double Doors (CCLG Part 2, Section 8.3.4.5) (12/17)
775 54 in. Diameter Paperboard on End Using Rubber Mats (New Intermodal Loading Guide Method E-22)(January 2018)
776 45 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars with 12 ft. Doors (CCLG Part 2, Section 8.2.3.8) (2/18)
778 Split Loads of 58 in. Diameter Roll Pulpboard on End Using Rubber Mats when Stowed in Trailers Having Large Metal Plates Approximately 9 ft. in Length at the Nose (Intermodal Loading Guide Method E-22)(3/18)
779 Double Layer Loads of Hazardous or Nonhazardous Materials Secured with Cordstrap® Barriers in a 20-ft Container (ILG Method I-4HM) (4/18) Cancels GIS 744
780 Hazardous or Nonhazardous Loads Secured with Cordstrap® Barriers in 40-ft Containers (ILG Method I-5HM) (4/18) Cancels GIS 745
781 Wood Bins Braced by Disposable Inflatable Dunnage Bags and BIN-PAK or M-PAK Lengthwise Void Fillers (4/18)
782 Plastic Intermediate Bulk Containers with Disposable Inflatable Dunnage Bags and Lengthwise Void Fillers – Schoeller Allibert (CCLG Part 7, Section 6.2)(4/18)
783 Cased Goods Secured by Tuff Wrap™ D.I.D. Bags (Intermodal Loading Guide Method F-4 New)(4/18)
784 Cased Goods Secured by Rothschenk S.A.M. D.I.D. Bags (Intermodal Loading Guide Method F-4 New)(5/18)
785 Intermodal Loads Secured with TyGard DS™ (Intermodal Loading Guide Method B-9 New)(5/18)
786 Aluminum Coils on Platforms/Skids Loaded on Rubber Mats & Secured by Two Floor Anchored Web Straps & Supplemental Securement Straps (CCLG Part 9, Section 8.6) (6/18)
787 Universal Storage Containers Loaded in 53 ft. Intermodal Containers (Intermodal Loading Guide Method H-15 New)(6/18)