

APPROVED BY
 BUREAU OF EXPLOSIVES
D. F. Braasemuck
 MILITARY ASSISTANT
 DATE 6/17/69

LOADING AND BRACING IN TRAILER OR CONTAINER EQUIPPED WITH A MECHANICAL BRACING SYSTEM OF CBU ITEMS PACKED IN TWIN PACK CONTAINER FOR TRAILER/CONTAINER-ON-FLAT-CAR (T/COFC) SHIPMENT

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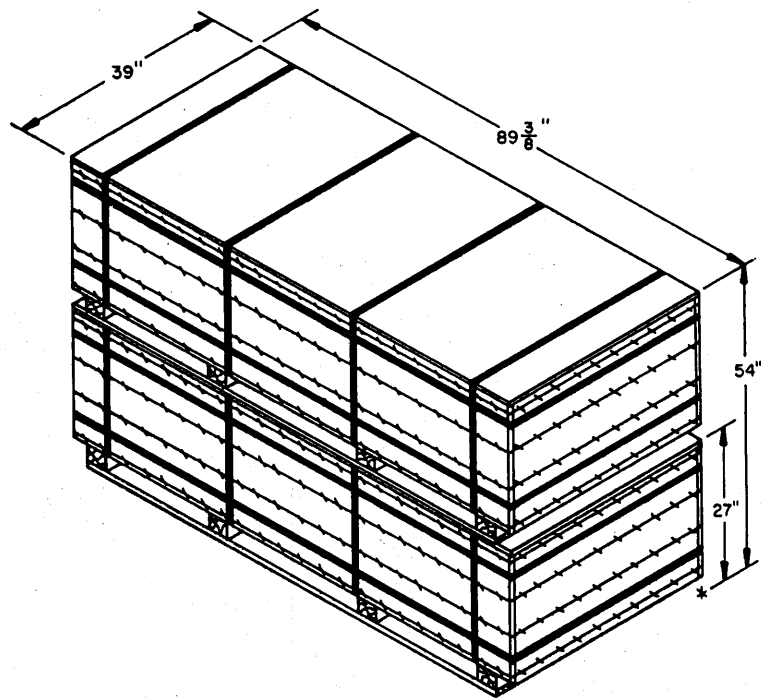
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DRAFTER/CHKD <i>TLL/CBE</i> <i>JEL</i>	PROJ ENG <i>DIW/eww</i> <i>JDS</i>	APSA <i>PSS</i>	SUBMITTED <i>W.B. Sandling, Col.</i> COMMANDING OFFICER, SAVANNAH ARMY DEPOT
REVISIONS			EXAMINED AND APPROVED <i>Philip H. H.</i> AMMUNITION PROCUREMENT & SUPPLY AGENCY
			APPROVED BY ORDER OF COMMANDING GENERAL U. S. ARMY MATERIEL COMMAND <i>Paul H. H.</i>
			U. S. ARMY MATERIEL COMMAND AUGUST 1969
		CLASS	DIVISION
		19	48
		DRAWING	FILE
		4083	IIA1005

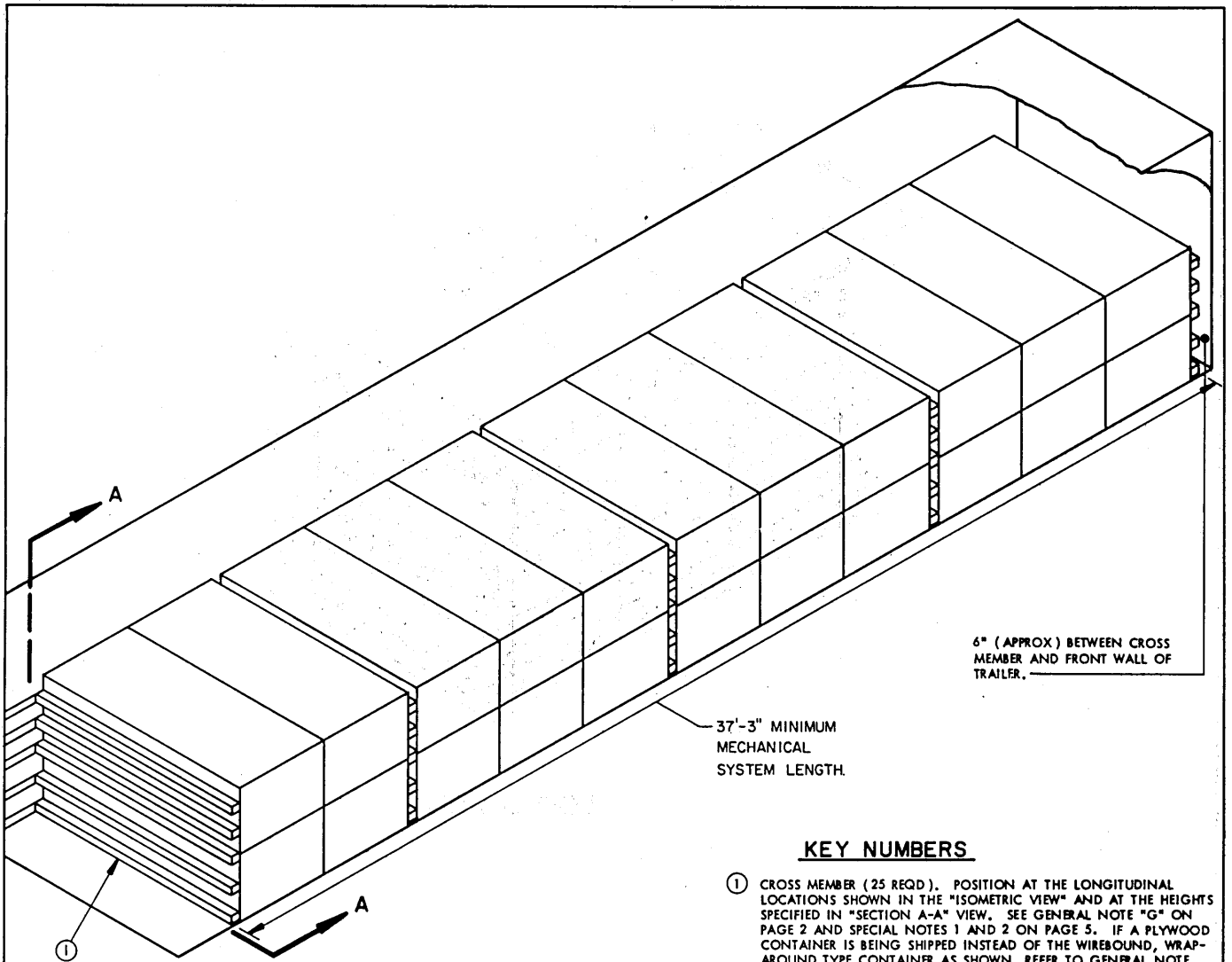
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GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AMCR 740-13, AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- B. THE OUTLOADING PROCEDURES SPECIFIED HEREIN ARE APPLICABLE TO CBU ITEMS WHEN THEY ARE PACKED IN THE TWIN PACK CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER HEREIN MEANS CONTAINER WITH CONTENTS.
- C. DETAILS OF THE TWIN PACK CONTAINER: (SEE GENERAL NOTE "N")
CONTAINER DIMENSIONS ----- 89-3/8" LONG BY 39" WIDE BY 27" HIGH.
GROSS WEIGHT ----- 1,855 POUNDS MAXIMUM (APPROX).
- D. THE OUTLOADING PROCEDURES SPECIFIED HEREIN CAN ALSO BE UTILIZED FOR THE SHIPMENT OF THE DEPICTED CONTAINERS WHEN THEY ARE LOADED WITH EMPTY ITEMS OR WITH AN ITEM WHICH IS IDENTIFIED DIFFERENTLY BY NOMENCLATURE THAN THE ITEM DESIGNATED WITHIN THE DRAWING TITLE.
- E. THIS PROCEDURAL DRAWING IS APPLICABLE TO A TRAILER OR CONTAINER WHICH IS EQUIPPED WITH A MECHANICAL LOAD BLOCKING SYSTEM AS SPECIFIED WITHIN THE BUREAU OF EXPLOSIVES PAMPHLET NO. 6C AND APPENDICES THERETO. SUBSEQUENT REFERENCE TO A TRAILER THROUGHOUT THIS DOCUMENT MEANS A TRAILER OR A CONTAINER. FOR TOFC AND/OR COFC SHIPMENTS, ONLY THOSE RAILCARS WHICH ARE SPECIFIED BY THE AFORE MENTIONED BUREAU OF EXPLOSIVES PAMPHLET WILL BE USED.
- F. THE LOAD AS SHOWN IS BASED ON A TRAILER WHICH IS 40'-0" LONG BY 7'-6" WIDE (INSIDE DIMENSION). WIDER TRAILERS CAN BE USED, AND ARE PREFERRED TO FACILITATE EASIER LOADING. NOTICE: TRAILERS WITH REAR CORNER POSTS CAN BE USED; HOWEVER, THERE MUST BE AT LEAST A 90-INCH CLEARANCE BETWEEN THE POSTS SO THAT THE CONTAINERS CAN BE LOADED INTO THE TRAILER.
- G. THE OUTLOADING PROCEDURES SPECIFIED ARE FOR TRAILERS EQUIPPED WITH VARIOUS TYPES OF SELF-CONTAINED MECHANICAL BRACING DEVICES. HOWEVER, CROSS MEMBER ATTACHMENT FACILITIES WITHIN THESE TRAILERS MUST PROVIDE FOR THE INSTALLATION OF LOAD BLOCKING CROSS MEMBERS AT THE HEIGHTS SPECIFIED HEREIN. CAUTION: TRAILERS EQUIPPED WITH FACILITIES WHICH DO NOT MEET THE LOCATION REQUIREMENTS MUST NOT BE USED. THE HEIGHT REQUIREMENTS SPECIFIED WITHIN THIS DRAWING FOR INSTALLATION OF CROSS MEMBERS ARE IDENTICAL WITH THOSE RECOMMENDED BY THE BUREAU OF EXPLOSIVES PAMPHLET 6C, AND APPENDICES THERETO.
1. VOIDS LENGTHWISE WITHIN A LOAD MUST BE HELD TO A MINIMUM. CROSS MEMBERS MUST BE PLACED AGAINST THE LADING AS TIGHTLY AS THE HOLE SPACING IN THE CROSS MEMBER ATTACHMENT FACILITY PERMITS. EACH CROSS MEMBER WILL BE INSTALLED WITH THE ENDS ATTACHED AS NEARLY AS POSSIBLE IN "MATED" POSITIONS (AT EQUAL HEIGHTS AND AT EQUAL DISTANCES FROM THE END OF THE TRAILER).
 2. CROSS MEMBERS IN EMPTY TRAILERS AND THOSE NOT USED IN LOADED TRAILERS MUST BE SECURED FOR SHIPMENT. COMPONENTS ASSIGNED TO EACH TRAILER MUST REMAIN THEREWITH EVEN THOUGH UNUSED DURING SOME SHIPMENTS.
 3. A CROSS MEMBER WILL NOT BE RELIED UPON TO RETAIN MORE CONTAINERS ON EITHER SIDE THAN AS SHOWN IN THE LOAD VIEW.
- H. GROSS WEIGHT AND AXLE DISTRIBUTION OF WEIGHT FOR A LOAD WILL BE THE RESPONSIBILITY OF THE CARRIER. THE CARRIER WILL ADVISE THE SHIPPER OF THE APPLICABLE LOADING REQUIREMENTS AND THE SHIPPER WILL LOAD ACCORDINGLY. NOTICE: A SHIPMENT WILL BE POSITIONED IN A TRAILER CONSISTENT WITH THE WEIGHT LAWS OF THE STATES THROUGH WHICH THE TRAILER WILL BE TRANSPORTED BY HIGHWAY (MOTOR CARRIER).
- J. THE NUMBER OF UNITS MAY BE ADJUSTED TO FIT THE SIZE OF THE TRAILER TO BE LOADED OR THE QUANTITY TO BE SHIPPED; HOWEVER, THE APPROVED METHODS CONTAINED HEREIN MUST BE FOLLOWED AS CLOSELY AS POSSIBLE FOR BLOCKING, BRACING, AND STAYING OF THE DESIGNATED ITEMS.
- K. OTHER TYPES OF LADING ITEMS MAY BE LOADED INTO TRAILERS WHICH ARE PARTIALLY LOADED WITH THE DESIGNATED ITEM, PROVIDING THE TOTAL LOAD IS COMPATIBLE, EXISTING DIRECTIVES ARE NOT VIOLATED, AND THE OTHER LADING ITEMS ARE BLOCKED AND BRACED TO EQUAL THE BLOCKING AND BRACING CRITERIA SPECIFIED HEREIN.
- L. THROUGHOUT THIS PROCEDURAL DRAWING, PORTIONS OF THE TRAILER BODY DEPICTED WITHIN THIS PROCEDURAL DRAWING, SUCH AS ONE OF THE SIDE WALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- M. FOR ADDITIONAL GUIDANCE, ATTENTION IS DIRECTED TO THE "SPECIAL NOTES" SECTION ON PAGE 5.
- N. THE OUTLOADING PROCEDURES AS SHOWN ARE BASED ON THE 27" HIGH WIRE-BOUND, WRAP-AROUND TWIN PACK CONTAINER. HOWEVER, THE PROCEDURES ARE ALSO APPLICABLE TO THE PLYWOOD TWIN PACK CONTAINERS WHICH ARE SLIGHTLY LESS IN HEIGHT (APPROXIMATELY 1-3/4"). REFERENCE IS MADE TO THE "SECTION A-A" VIEW ON PAGE 4. IF A PLYWOOD CONTAINER IS BEING SHIPPED, THE HEIGHT LOCATION FOR THE UPPERMOST CROSS MEMBERS WILL BE 48" PLUS OR MINUS 3" INSTEAD OF 48" PLUS 6", MINUS 3".



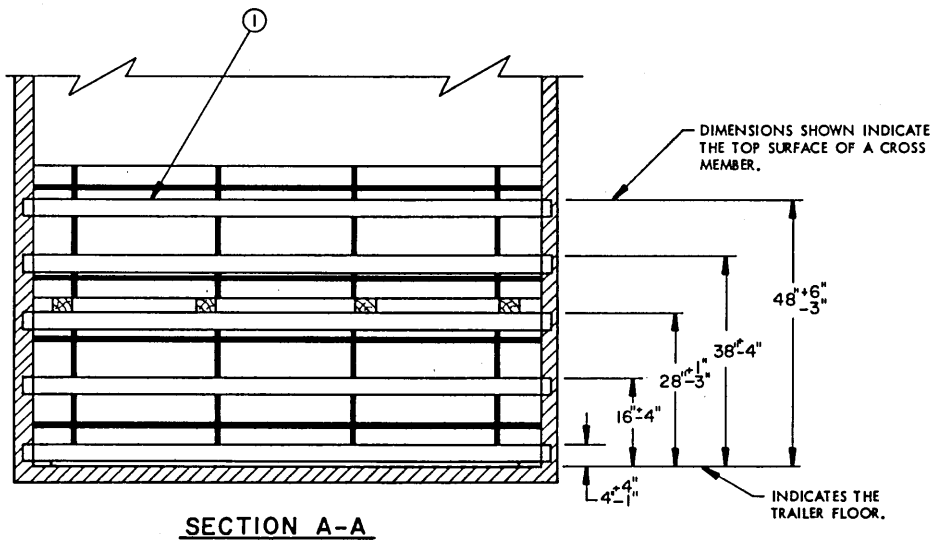
STACK DETAIL



KEY NUMBERS

- ① CROSS MEMBER (25 REQD). POSITION AT THE LONGITUDINAL LOCATIONS SHOWN IN THE "ISOMETRIC VIEW" AND AT THE HEIGHTS SPECIFIED IN "SECTION A-A" VIEW. SEE GENERAL NOTE "G" ON PAGE 2 AND SPECIAL NOTES 1 AND 2 ON PAGE 5. IF A PLYWOOD CONTAINER IS BEING SHIPPED INSTEAD OF THE WIREBOUND, WRAP-AROUND TYPE CONTAINER AS SHOWN, REFER TO GENERAL NOTE "N" ON PAGE 2 FOR SPECIAL GUIDANCE.

ISOMETRIC VIEW



SECTION A-A

SPECIAL NOTES:

1. A 22-UNIT LOAD IS SHOWN IN A 40'-0" LONG BY 7'-6" WIDE (INSIDE DIMENSION) TRAILER WHICH IS EQUIPPED WITH A MECHANICAL LOAD BLOCKING SYSTEM THAT CONTAINS AT LEAST TWENTY-FIVE (25) CROSS MEMBERS AND HAS A SYSTEM LENGTH OF AT LEAST 37'-3". WIDER TRAILERS CAN BE USED, AND ARE PREFERRED TO FACILITATE EASIER LOADING. HOWEVER, IF THE LOAD BLOCKING SYSTEM IN THE TRAILER BEING USED IS LESS THAN 37'-3", ELEVEN (11) STACKS (22 CONTAINERS) CANNOT BE LOADED. CAUTION: THE CONTAINERS CANNOT BE STACKED MORE THAN 2-CONTAINERS HIGH FOR T/COFC SHIPPING. A SYSTEM LENGTH OF 34'-0" TO 37'-2" WILL ACCOMMODATE TEN (10) STACKS (20 CONTAINERS). IF ONLY 10 STACKS ARE LOADED, THEY SHOULD BE LOADED INTO BAYS OF 2, 3, 3 AND 2 FROM FRONT TO REAR OF THE TRAILER.
2. AT LEAST TWO (2) CROSS MEMBERS MUST BE USED TO BEAR AGAINST EACH END OF EACH LAYER WITHIN A BAY, IRREGARDLESS OF THE NUMBER OF STACKS WITHIN A BAY. FOR INSTANCE, IF 21 CONTAINERS INSTEAD OF 22 WERE TO BE LOADED FOR SHIPMENT AND A CONTAINER WAS OMITTED FROM THE FRONT BAY OF THE DEPICTED LOAD, THE THREE FIRST-LAYER CONTAINERS OF THAT BAY MUST BE BLOCKED FORE AND AFT WITH THREE (3) CROSS MEMBERS AT EACH BLOCKING STATION AS SHOWN AND THE TWO SECOND-LAYER CONTAINERS MUST BE BLOCKED FORE AND AFT WITH TWO (2) CROSS MEMBERS AT EACH BLOCKING STATION.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
CONTAINER -----	22 -----	40,810 LBS

TL (22-UNIT LOAD) IN A 40'-0" LONG TRAILER

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