

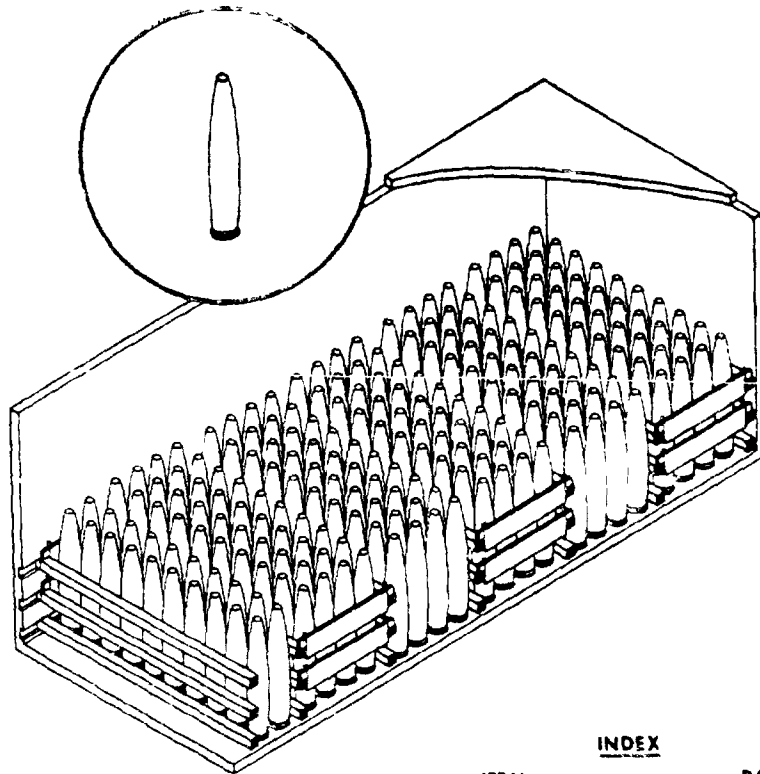
MILITARY STANDARD
LOADING OF HAZARDOUS
MATERIALS AND ASSOCIATED ITEMS
IN MILVAN CONTAINERS
BOMB GP, MK 81 MOD 1 (250 LBS)
EMPTY

MIL-STD-1386-45
(NAVY)

27 SEPTEMBER 1974

BOMB DATA

WEIGHT EMPTY (APPROXIMATE) 140 LBS
DIMENSIONS (APPROXIMATE) 44 11/32 LONG x 9 DIA
CUBE 2.1 CU FT
DOT HAZARD CLASSIFICATION INERT
COAST GUARD CLASS NONE



NOTES

- 1 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
- 2 FOR CROSS REFERENCE TO ASSOCIATED PALLETIZING, TRUCK-LOADING AND CARLOADING MILITARY STANDARDS REFER TO THE INDEX TO STANDARDS MIL-HDBK 236 (NAVY)

ITEM	INDEX	PAGE
GENERAL NOTES		1
COFC, TOFC, CONTAINERSHIP AND HIGHWAY		2 & 3

FSC 8140

AUTHORIZED FOR TRAILER-ON-FLAT-CAR (TOFC), CONTAINER-ON-FLAT-CAR (COFC), CONTAINERSHIP AND HIGHWAY SHIPMENTS

SIGNATURE [Signature] TECHNICAL DIRECTOR (DA) DATE 10/74
 SIGNATURE [Signature] AIRS/COM BY DIRECTION DATE 20/74

ORIGINATOR [Signature] SIGNATURE

NAVAL WEAPONS HANDLING LABORATORY
NAD EARLE NEW JERSEY

PAGE 1 OF 3

MIL-STD-1386-45 (NAVY)

GENERAL NOTES

1. THIS DOCUMENT DETAILS THE METHODS FOR LOADING THE MILVAN CONTAINER WITH 250 LB MK 81 MOD 1 GENERAL PURPOSE ROCKET BOMBS.
2. THE CONTAINER SHALL BE EQUIPPED WITH A MECHANICAL LOAD BRACING SYSTEM THAT MEETS THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C.
3. IN ADDITION TO THE BELT RAIL REQUIRED BY PAMPHLET 6C, THE MILVAN CONTAINER HAS BELT RAILS AT THE 72 AND 80 INCH HEIGHTS FROM THE CONTAINER FLOOR.
4. CONTAINERS ARE EQUIPPED WITH 24 CROSSMEMBERS. UNUSED CROSSMEMBERS MUST REMAIN WITH THE CONTAINER AND SHALL BE FASTENED INTO BELT RAILS FOR SHIPMENT.

CAUTION

WHEN POSITIONING CROSSMEMBERS MAKE A VISUAL CHECK TO ENSURE THAT CROSSMEMBERS ARE LOCKED SECURELY IN PLACE.

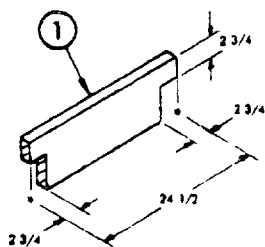
5. WHEN THE LONGITUDINAL SLACK BETWEEN A CROSSMEMBER AND A ROW OF BOMBS PERMITS, INSTALL A SHIM TO THE CROSSMEMBER TO FILL VOID BETWEEN THE LADING AND THE CROSSMEMBER. THIS SHIM STRIP MAY BE ADDED TO OR OMITTED AS REQUIRED. TWIST TIE TO CROSSMEMBER WITH THREE PIECES OF 16 GAUGE SOFT ANNEALED WIRE AS SHOWN IN DETAIL C.
6. SPACER, DETAILS A AND B, SHALL FILL THE VOID BETWEEN THE BOMBS AND THE CONTAINER SIDE WALL. TWIST TIE (TWO PLACES) TO CROSSMEMBER WITH 16 GAUGE SOFT ANNEALED WIRE OR CONTAINER BELT RAILS TO PREVENT SPACER FROM WORKING OUT.
7. APPLICABLE MATERIAL SPECIFICATIONS: DUNNAGE LUMBER - FED. SPEC. MM-L-251.
8. AFTER BLOCKING AND BRACING HAS BEEN INSPECTED, ATTACH SHIPPING DOCUMENTS INSIDE THE CONTAINER IN AN ACCESSIBLE AREA AND CLOSE AND SEAL CONTAINER DOORS.

TOFC/COFC, CONTAINERSHIP AND HIGHWAY

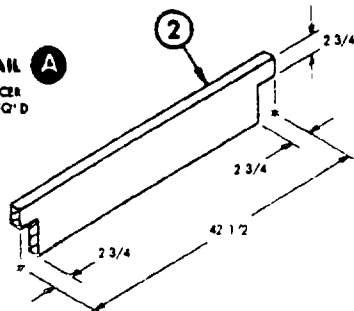
1. THE LOADED MILVAN CONTAINER SHALL BE ON A 20 FT MILVAN CHASSIS EQUIPPED WITH DOUBLE BOGIES WHEN BEING MOVED IN TOFC SERVICE.
2. WHEN THE MILVAN CONTAINER IS SHIPPED TOFC OR COFC, THE RAIL CAR SHALL COMPLY WITH THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C.
3. THE LOADED CONTAINER MAY BE TRANSPORTED OVER PUBLIC HIGHWAYS ON A 20 FT MILVAN CHASSIS EQUIPPED WITH A DOUBLE BOGIE. SUITABLE CAPACITY COMMERCIAL EQUIPMENT MAY ALSO BE USED.

NOTE

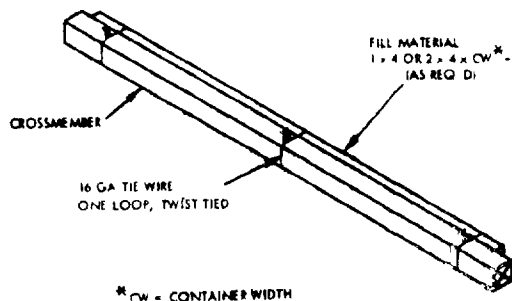
IN CERTAIN STATES THE GROSS VEHICLE WEIGHT (G.V.W.) (CONTAINER, CHASSIS AND TRACTOR) IS LIMITED BY THE DISTANCE BETWEEN THE FIRST AND LAST AXLES OF THE ASSEMBLED RIG. CARE SHOULD BE TAKEN TO SEE THAT THE PROPOSED G.V.W. DOES NOT EXCEED THESE LIMITATIONS. IF IT DOES, THE WEIGHT MAY BE REDUCED BY REDUCING THE NUMBER OF BOMBS IN THE LAST BAY.



DETAIL A
SPACER
2 REQ'D



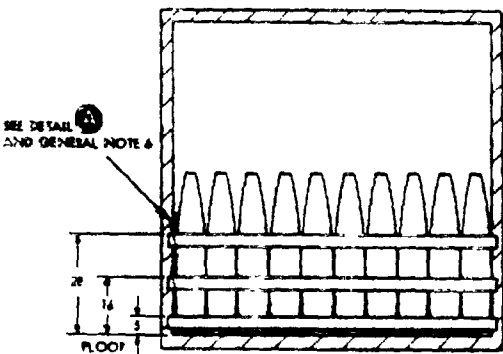
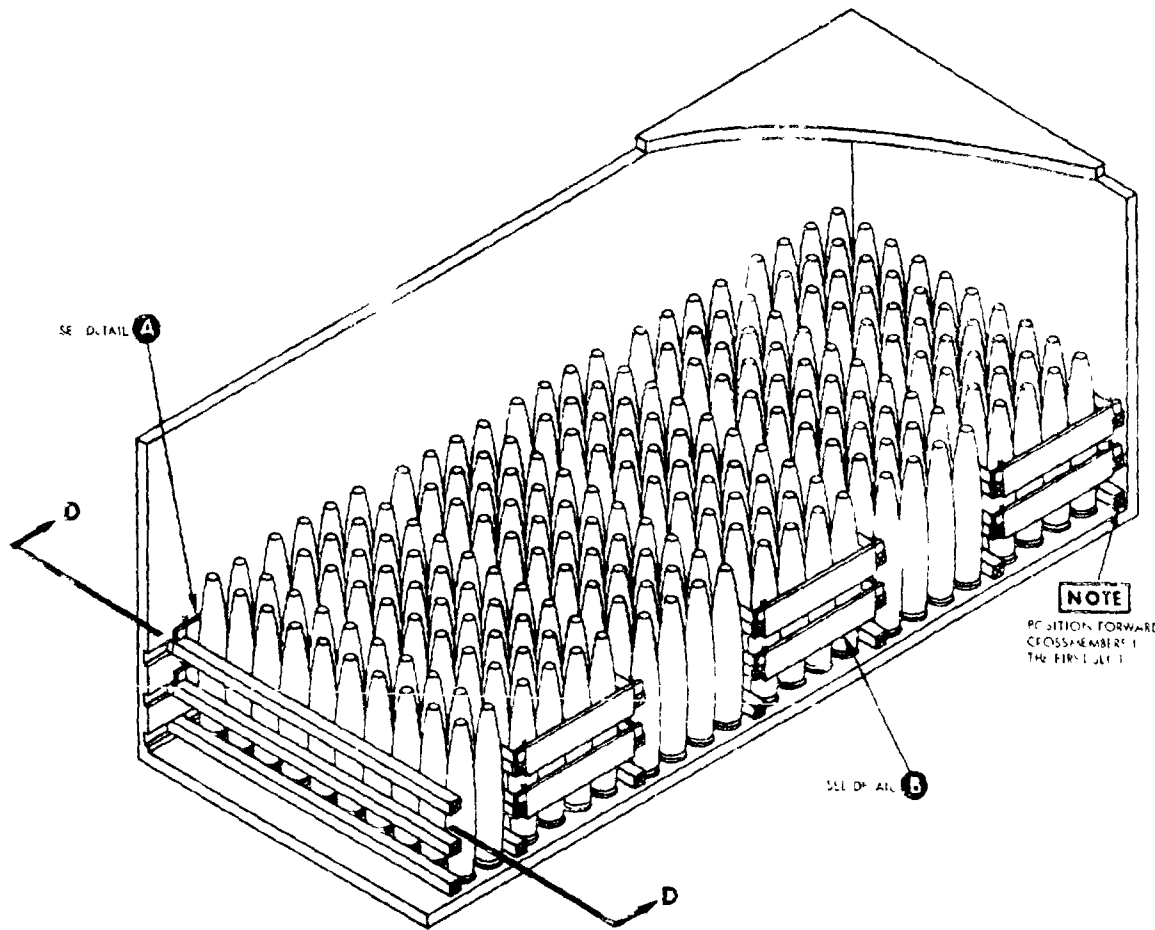
DETAIL B
SPACER
10 REQ'D



DETAIL C
FILL MATERIAL
SEE GENERAL NOTE 5

*CW = CONTAINER WIDTH

MIL-STD-1336-45 (NAVY)



SECTION D-D

CONTAINER LOAD DATA

NUMBER OF ROWS	20
NUMBER OF COLUMN MEMBERS	40
LOAD WEIGHT (APPROXIMATE)	30,000 LB
MINIMUM CONTACT AREA (APPROXIMATE)	821 IN ²
SUITABLE CONTACT	754 IN ²
GROSS WEIGHT (APPROXIMATE)	36,760 LB

PIECE NO.	DESCRIPTION	SIZE	NO. PCS. REQ'D.	NAIL TO	NUMBER NAILS	SIZE
2	SPACER	6" WIDE x 42" L x 2" THICKNESS TO SUIT	-	-	-	-
1	SPACER	8" WIDE x 24" L x 2" THICKNESS TO SUIT	-	-	-	-

LIST OF MATERIALS AND NAILING DATA

TOFC/COFC, CONTAINERSHIP AND HIGHWAY

REVIEW ACTIVITY
NAVY OJAS

PREPARING ACTIVITY
NAVY OJAS
PROJECT NO. B140 N247

FOI O

POSTAGE AND FEES PAID

OFFICIAL BUSINESS

Commanding Officer
Naval Ammunition Depot Earle
Naval Weapons Handling Laboratory
Colts Neck, New Jersey 07722

Attn: 803

FOI O

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 22-R255
<p>INSTRUCTIONS This sheet is to be filled out by personnel either Government or contractor involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION MIL-STD-1386-45 (NAVY)</p>		
<p>ORGANIZATION</p>		
<p>CITY AND STATE</p>		<p>CONTRACT NUMBER</p>
<p>MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A GIVE PARAGRAPH NUMBER AND WORDING</p>		
<p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3 IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes" in what way?)</p>		
<p>4 REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)</p>		
<p>SUBMITTED BY (Printed or typed name and activity - Optional)</p>		<p>DATE</p>

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 10 1 61 WHICH MAY BE USED

S/N-O 302-014-1801 C 38284