NOTICE OF VALIDATION

INCH-POUND
MIL-STD-1320/75A(OS)
NOTICE 1
30 SEPTEMBER 1988

MILITARY SPECIFICATION

TRUCKLOADING OF HAZARDOUS MATERIALS CHARGE, PROPELLING, 5 INCH/54 FLEET ISSUE UNIT LOAD

MIL-STD-1320/75A(OS) dated 25 MAR.1976, has been reviewed and determined to be valid for use in acquisition.

Preparing Activity: Navy - OS

AMSC N/A

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MILITARY STANDARD

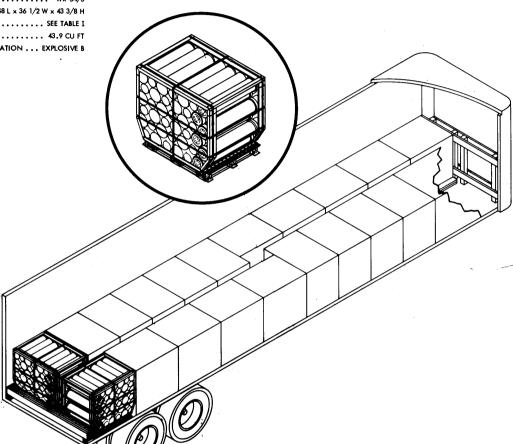
TRUCKLOADING OF HAZARDOUS MATERIALS CHARGE,PROPELLING,5"/54 FLEET ISSUE UNIT LOAD

MIL-STD-1320-75 A (NAVY)

25 MARCH 1976

SUPERSEDING
MIL-STD-1320-75 (NAVY)
10 SEPTEMBER 1974

UNIT LOAD DATA



NOTES:

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

 FOR CROSS REFERENCE TO ASSOCIATED PALLETIZING, CONTAINERLOADING AND CARLOADING MILITARY STANDARDS, REFER TO INDEX TO STANDARDS, MIL-HDBK-236 (NAVY).

	INUE
ITEM	

PAGE

 FTL 40 & 42 FT TRAILER (VAN)
 2 & 3

 FTL 44 & 45 FT TRAILER (VAN)
 4 & 5

 LTL 40 FT TRAILER (VAN)
 6 & 7

FSC 8140

AUTHORIZED AND RELEASED FOR HIGHWAY SHIPMENTS ONLY

MS. Sucus NWHL 3/2
SIGNATURE TACHNICAL DIRECTION AGENT (TDA)

SIGNATURE

HNICAL DIRECTION AGENT (TDA)

DATE

3/21/16

SEA/SYSCOM, BY DIRECTION

DATE

ORIGINATOR

All Caring

3/22/76

NAVAL WEAPONS HANDLING LABORATORY

GENERAL NOTES

WPNSTA EARLE, NEW JERSEY

PAGE 1 OF 7

MIL-STD-1320-75 A (NAVY)

GENERAL NOTES

- THIS DOCUMENT GIVES DETAILED INSTRUCTIONS FOR TRUCKLOADING PROPELLING CHARGE, 5"/54 IN PALLET ADAPTER MI 16 MOD 0
 WHEN PALLETIZED IN ACCORDANCE WITH FLEET ISSUE UNIT LOAD WR-54/5. NO OTHER UNIT LOAD SHALL BE SHIPPED PER THIS
 DOCUMENT.
- THE PROCEDURES AND PRACTICES DESCRIBED HEREIN ARE INTENDED FOR 40, 42, 44 AND 45 FT TRAILERS. THE TRAILER SHALL HAVE ITS
 AXLES LOCATED IN THE "WESTERN" POSITION (AT THE EXTREME REAR OF THE TRAILER). TRAILER FLOORS MAY BE WOOD, METAL OR
 METAL WITH WOOD NAILING STRIPS.
- 3. THE THICKNESS OF THE REAR BLOCKING, DETAILS B AND J, SHALL BE SUFFICIENT TO CAUSE THE BLOCKING TO BEAR AGAINST THE LADING AND THE REAR DOORS WHEN THE DOORS ARE CLOSED.
- 4. THE LENGTH OF STRUT IN DETAIL F SHALL BE SUFFICIENT TO CAUSE THE REAR BLOCKING ASSEMBLY TO BEAR AGAINST THE LADING AND THE REAR DOORS WHEN THE DOORS ARE CLOSED.
- 5. THE WIDTH OF SLEEPER, PIECE 7 PAGE 3, SHOULD BE SUFFICIENT TO LIMIT LATERAL MOVEMENT OF UNIT LOADS TO ONE INCH MAX-IMUM WHEN POSITIONED BETWEEN PALLET SKIDS. SUBSTITUTE FILLER ASSEMBLY, DETAIL D, FOR SLEEPERS WHEN TRAILER FLOORS ARE NON-NAILABLE.
- 6. THE MAXIMUM GROSS WEIGHT OF THE TRACTOR-TRAILER AND THE ALLOWABLE AXLE WEIGHTS ARE THE RESPONSIBILITY OF THE CARRIER,
 THE CARRIER WILL ADVISE THE SHIPPER OF THESE LIMITATIONS AND THE SHIPPER SHALL LOAD THE TRAILER IN SUCH A MANNER THAT
 THE TRACTOR-TRAILER WILL NOT EXCEED THESE LIMITATIONS.
- 7. AFTER BLOCKING AND BRACING HAS BEEN INSPECTED, ATTACH SHIPPING DOCUMENTS TO INSIDE OF TRAILER IN AN ACCESSIBLE AREA.
 ATTACH "EXPLOSIVE B" PLACARD TO BOTH SIDES, FRONT AND BACK OF TRAILER.
- 8. APPLICABLE MATERIAL SPECIFICATIONS: DUNNAGE LUMBER, MM-L751; NAILS FF-N105, TYPE II, STYLE 10, COMMON BRIGHT,
- 9. FOR GENERAL TRUCKLOADING PROCEDURES REFER TO THE GENERAL TRUCKLOADING DOCUMENT, MIL-STD-1320 (NAVY).

TABLE I

TANK	WEIGHT OF UNIT LOAD	NUMBER OF UNIT LOADS FOR FTL		FTL WEIGHT LBS (APPROX)	
	LBS (APPROX)	40 & 42 FT TRAILER	44 & 45 FT TRAILER	40 & 42 FT TRAILER	44 & 45 FT TRAILER
MK 14	1683	22	24	37,026	40,392
MK 14 MOD 1	1776	22	24	39,072	42,624
MK 21 MOD 0	1796	22	24	39,512	43, 104
REDUCED MK 14	1406	22	24	30,932	33,744

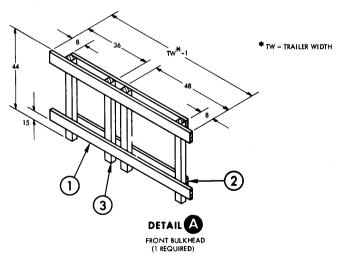
FTL 40 & 42 FT TRAILERS (VAN)

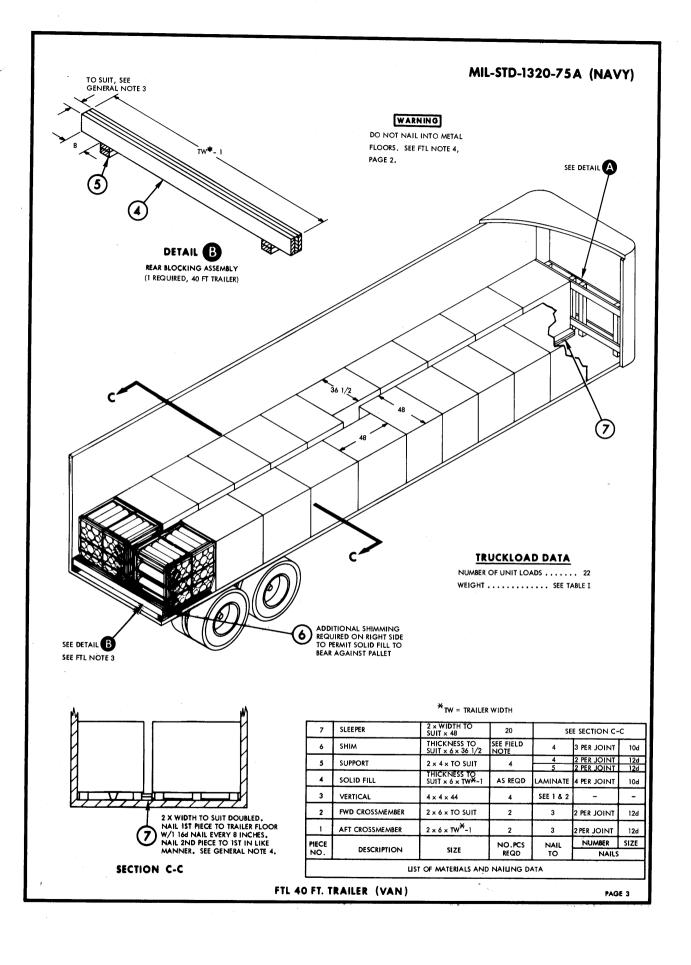
1. A FTL FOR A 40 AND 42 FT TRAILER CONSISTS OF 22 UNIT LOADS. THE UNIT LOADS SHALL BE POSITIONED IN THE TRAILER AND BLOCKED AND BRACED AS SHOWN ON PAGE 3.

WARNING

DO NOT USE TRAILERS WITH ROLL UP DOORS.

- 2. THE BLOCKING AT THE REAR OF THE LOAD IN A 40 FT TRAILER SHALL BE AS SHOWN ON PAGE 3 AND SHALL COMPLY WITH GENERAL NOTE 3.
- WHEN BLOCKING THE REAR OF A 42 FT TRAILER, USE THE REAR BLOCKING ASSEMBLY, DETAIL F PAGE 4, AND INSTALL AT REAR OF
 TRAILER AS SHOWN ON PAGE 5. THE ASSEMBLY SHALL COMPLY WITH GENERAL NOTE 4.
- 4. WHEN THE TRAILER HAS METAL FLOORS OR METAL FLOORS WITH WOOD NAILING STRIPS THAT ARE IMPROPERLY LOCATED TO ACCEPT NAILING, SUBSTITUTE FILLER ASSEMBLY, DETAIL D PAGE 4, FOR SLEEPERS. INSTALL ASSEMBLIES AS SHOWN ON PAGE 5.





MIL-STD-1320-75A (NAVY)

FTL 44 & 45 FT TRAILERS (VAN)

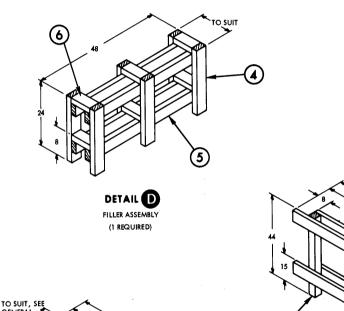
1. A FTL FOR A 44 AND 45 FT TRAILER CONSISTS OF 24 UNIT LOADS. THE UNIT LOADS SHALL BE POSITIONED IN THE TRAILER AND BLOCKED AND BRACED AS SHOWN ON PAGE 5.

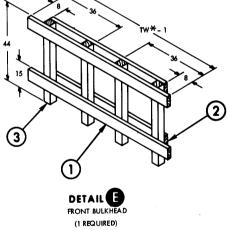
WARNING

TRACTORS USED TO HAUL THIS LOAD SHALL HAVE A SLIDING FIFTH WHEEL SO THAT WEIGHT MAY BE SHIFTED FROM THE DRIVE TO STEERING AXLES.

- 2. THE BLOCKING AT THE REAR OF THE LOAD IN A 45 FT TRAILER SHALL BE AS SHOWN ON PAGE 5. THE ASSEMBLY SHALL COMPLY WITH GENERAL NOTE 4.
- 3. WHEN BLOCKING THE REAR OF A 44 FT TRAILER, USE THE REAR BLOCKING ASSEMBLY, DETAIL B PAGE 3, AND INSTALL THE ASSEMBLY AS SHOWN ON PAGE 3. THE ASSEMBLY SHALL COMPLY WITH GENERAL NOTE 3.
- 4. THE LOAD SHOWN ON PAGE 5 SHOWS THE PROPER PROCEDURES FOR TRAILERS WITH NON-NAILABLE FLOORS.

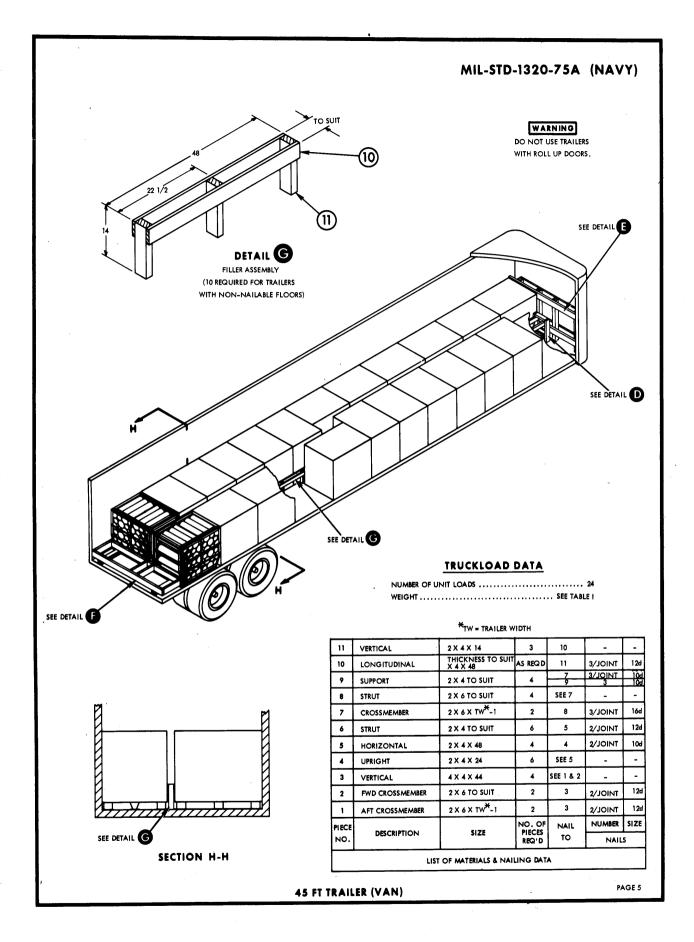
 IF THE TRAILER HAS A NAILABLE FLOOR, THE PRINCIPLES SHOWN ON PAGE 3 MAY BE APPLIED.







*TW = TRAILER WIDTH



MIL-STD-1320-75 A (NAVY)

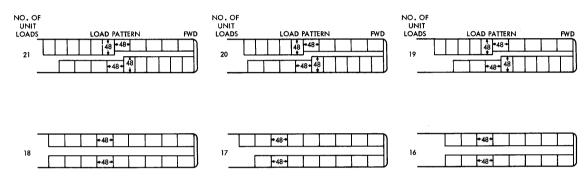
LTL 40 FT TRAILER (VAN)

- 1. WHEN REQUIRED TO SHIP LESS-THAN-TRUCKLOAD, SELECT THE CORRECT LOAD PATTERN FOR THE NUMBER OF UNIT LOADS : SHIPPED FROM TABLE II AND POSITION THE UNIT LOADS ACCORDINGLY.
- 2. WHEN REQUIRED TO SHIP 21 UNIT LOADS, USE BLOCKING, DETAIL J, AT REAR OF LOAD AND REAR BRACE ASSEMBLY, DETAIL K, FOR SHORT ROW (2 REQUIRED). FOLLOW PRINCIPLES OF LTL ON PAGE 7.
- 3. WHEN REQUIRED TO SHIP 2 TO 20 UNIT LOADS, USE REAR BRACE ASSEMBLY, DETAILK, 2 REQUIRED FOR EACH ROW. FOLLOW PRINCIPLES
 OF LTL ON PAGE 7.
- 4. THE LTL SHOWN ON PAGE 7 DOES NOT LIMIT THE LTL SHIPMENTS TO THIS QUANTITY. THE PRESENTATION IS INTENDED TO EXPLAIN THE CORRECT METHOD OF LOADING LTL SHIPMENTS.

WARNING

DO NOT USE METAL FLOOR TRAILERS FOR LTL SHIPMENTS.

TABLE II



15 UNIT LOADS OR LESS:

POSITION UNIT LOADS IN TRAILER USING A "DOUBLE ROW" PATTERN. TO PREVENT REARWARD MOVEMENT, INSTALL 2 BRACES, DETAIL K, PER ROW AT REAR OF LOAD. (SEE LTL PAGE 7.)

