Code Ident 10001

Naval Ordnance Systems Command Department of the Navy

WR-51/39 12 July 1967

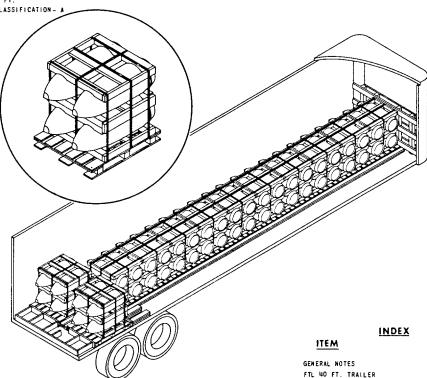
WEAPONS REQUIREMENT, TRUCKLOADING BOMB, DEMOLITION, 750 LB., MII7AI

UNIT LOAD DATA

WEIGHT OF UNIT LOAD - 3230 LBS. DIMENSIONS - 51 L x 40 W x 42 3/4 H

CUBE - 50.5 CU. FT.

I.C.C. HAZARD CLASSIFICATION - .



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

52/77 CARLOADING 53/705 PALLETIZING WR NO. ASSOCIATED PROCESS LTR REVISION DESCRIPTION DATE APPROVAL APPROVAL				· · · · · · · · · · · · · · · · · · ·	 			
537/05 PACCETIZING REVISION DESCRIPTION DATE	52/77		-					
	53/705	PALLETIZING	REV	ACCURION OFFCRIPTION		TDA		SYSCOM
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AUTHORIZED AND RELEASED FOR GENERAL USE

ATURE TECHNICAL DIRECTING ACTIVITY AIR 53442 DIRECTING ACTIVITY (TDA) SIGNATURE (AIR) (DAD) SYSCOM, BY DIRECTION

ORIGINATOR

LTL ALL LENGTH TRAILERS

NAVAL WEAPONS HANDLING LABORATORY

U.S.N.A.D. EARLE, NEW JERSEY

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WR-51/39

GENERAL NOTES

- THIS DOCUMENT PROVIDES DETAILED TRUCKLOADING INSTRUCTIONS FOR SHIPMENT OF 750 LB. DEMOLITION BOMBS, M. 11741, WHEN THE BOMBS ARE PALLETIZED IN ACCORDANCE WITH WR-53/705.
- 2. PROCEDURES AND PRACTICES DESCRIBED HEREIN ARE INTENCED FOR VAN-TYPE TRAILERS.
- 3. TRAILERS WITH METAL DECKS SHALL NOT BE USED.
- 4. A FULL TRUCKLOAD (FTL) FOR A 40-FT. TRAILER CONSISTS OF 12 UNIT LDADS OF 4 BOMBS EACH, FOR A TOTAL OF
- 5. FOR LESS-THAN-TRAILER LOAD (LTL) FOLLOW THE PRINCIPLES CONTAINED IN THIS DOCUMENT. THE LOCATION OF THE LOAD SHALL BE SUCH AS TO COMPLY WITH AXLE LOAD LIMITATIONS. (SEE PAGE 4.)
- UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. FOR GENERAL TRUCKLOADING PROCEDURES, REFER TO THE GENERAL WEAPONS REQUIREMENT, WR-51.

FTL 40 FT. TRAILER (REGULAR VAN)

- I. PREFABRICATE FRONT BULKHEAD (DETAIL A) CONSISTING DF 3 CROSS MEMBERS (ITEM I), 4 UPRIGHTS (ITEM 2), AND 3 CROSS MEMBERS (ITEM 3) USING THREE 12d HAILS EACH JOINT. POSITION FRONT BULKHEAD AGAINST FORWARD END OF TRAILER AS SHOWN.
- 2. PREPOSITION SLEEPERS (ITEM 4), DOUBLED, ON TRAILER FLOOR WITH INBOARD EDGE OF SLEEPER PLACED 24 INCHES
 TO THE LEFT OF THE CENTER LINE OF THE TRAILER AS SHOWN. NAIL FIRST MEMBER TO TRAILER FLOOR USING ONE
 16d NAIL EVERY 8 INCHES AND NAIL SECOND MEMBER TO FIRST IN THE SAME MANNER.
- 3. POSITION ONE UNIT LOAD AGAINST FRONT BULKHEAD IN TRAILER WITH PALLET'S LEFT SKID AGAINST INBOARD EDGE OF PREPOSITIONED SLEEPERS (ITEM 4).
- 4. POSITION SLEEPERS (ITEM 5), DOUBLED, ON TRAILER FLOOR AND AGAINST PALLET SKIDS ON RIGHT SIDE AS SHOWN.

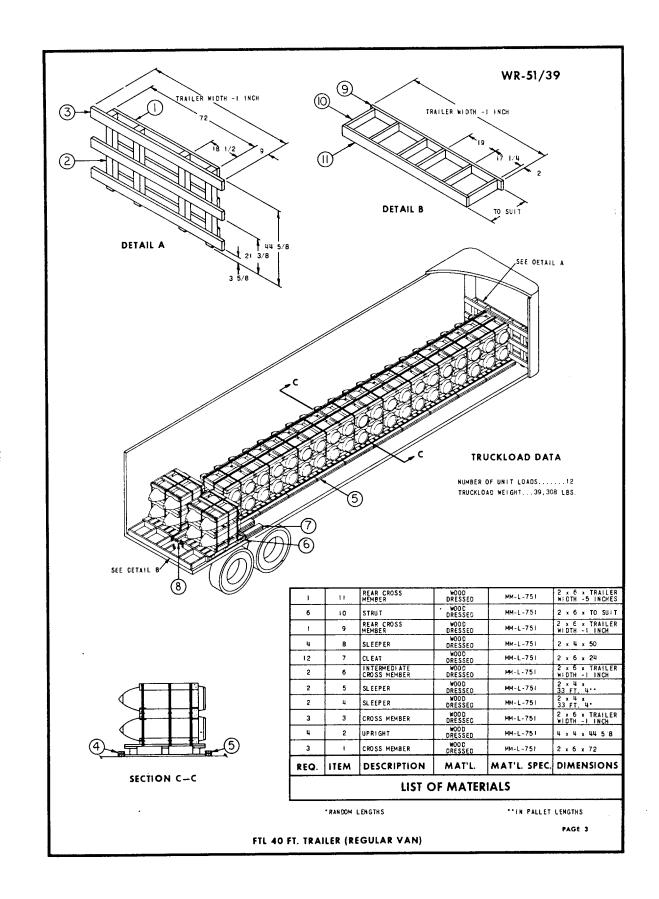
 NAIL FIRST MEMBER TO TRAILER FLOOR USING ONE 16d NAIL EVERY B INCHES AND NAIL SECOND MEMBER TO FIRST IN

 THE SAME MANNER.
- 5. CONTINUE LOADING AND DUNNAGING UNIT LOADS IN TRAILER IN THE MANNER INDICATED ABOVE UNTIL 10 UNIT LOADS ARE IN PLACE.
- FABRICATE INTERMEDIATE CROSS MEMBER CONSISTING OF 2 PIECES (ITEM 6), DOUBLED, BY LAMINATING WITH IOD NAILS
 EVERY 8 INCHES. PLACE ON EDGE AND AGAINST LAST INSTALLED UNIT LOAD IN TRAILER AS SHOWN.
- 7. POSITION CLEATS (ITEM 7), TRIPLED, TD BACK UP AGAINST CROSS MEMBERS (ITEM 6) IN THE LOCATIONS AS SHOWN.
 NAIL THE FIRST MEMBER TO THE TRAILER FLOOR USING FOUR 12d NAILS, AND NAIL SECOND MEMBER TO FIRST WITH FOUR 16d NAILS AND THIRD MEMBER TO SECOND WITH FOUR 30d NAILS. TGENAIL TO ITEM 6 WITH TWO 12d NAILS EACH JOINT.
- 8. POSITION TWO UNIT LOADS AGAINST DOUBLED CROSS MEMBERS (ITEM 6) AND EACH SIDE WALL OF THE TRAILER AS SHOWN.
- 9. POSITION PALLET-LENGTH SLEEPERS (ITEM 8), DOUBLED, AGAINST PALLET SKIDS OF LAST INSTALLED UNIT LOADS, AND NAIL FIRST MEMBER TO TRAILER FLOOR USING IEG NAILS EVERY B INCHES AND THE SECOND MEMBER TO THE FIRST USING 20d NAILS EVERY B INCHES.
- 10. PREFABRICATE REAR BLOCKING ASSEMBLY (DETAIL B) CONSISTING OF CROSS MEMBER (ITEM 9), 6 STRUTS (ITEM 10), AND CROSS MEMBER (ITEM 11), USING THREE 12d NAILS EACH JOINT, AND POSITION IN THE TRAILER WITH ITEM B RESTING AGAINST LAST TWO PALLETS IN THE TRAILER AND ITEM 10 BEARING AGAINST THE REAR DOOR.

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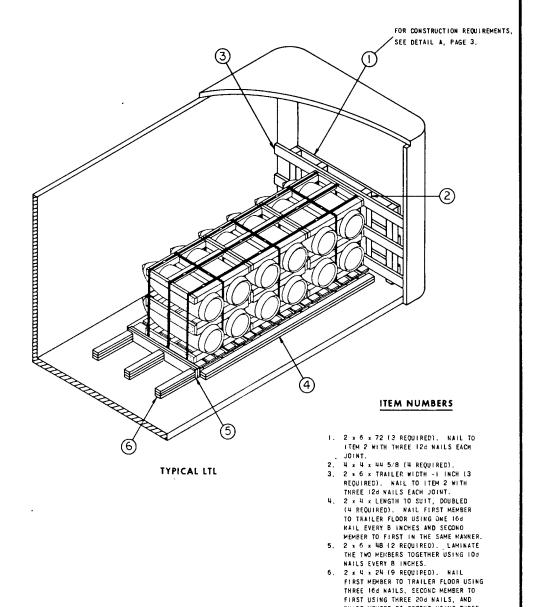
LENGTH OF REAR BLOCKING ASSEMBLY SHALL BE SUCH AS TO COMPLETELY FILL THE SPACE BETWEEN THE LADING AND REAR DOORS WITH THE DOORS IN CLOSED POSITION.

- II. ATTACH SHIPPING DOCUMENTS TO REAR DUNNAGE.
- 12. CLOSE AND SEAL TRAILER DOORS.



LTL ALL LENGTH TRAILERS

THE NUMBER OF UNITS LOADED WILL BE DETERMINED BY THE SHIPPING REQUIREMENTS. LOAD PATTERNS SHOULD BE ADJUSTED ACCORDINGLY. THE LOCATION OF THE LOAD AND THE LOAD PATTERN USED SHALL BE SUCH AS TO COMPLY WITH AXLE LOAD LIMITATIONS. FOLLOW THE PRINCIPLES CONTAINED IN THIS DOCUMENT AND THE APPROVED METHODS OF BLOCKING AND BRACING AS DESCRIBED IN THE GENERAL DOCUMENT, WR-51.



THREE TOE MAILS, SECOND MEMBER TO FIRST USING THREE 20d NAILS, AND THIRD MEMBER TO SECOND USING THREE 30d NAILS. TOENAIL TO ITEM 5 WITH TWO 12d NAILS EACH JOINT.

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