Code Ident 10001

Naval Ordnance Systems Command Department of the Navy

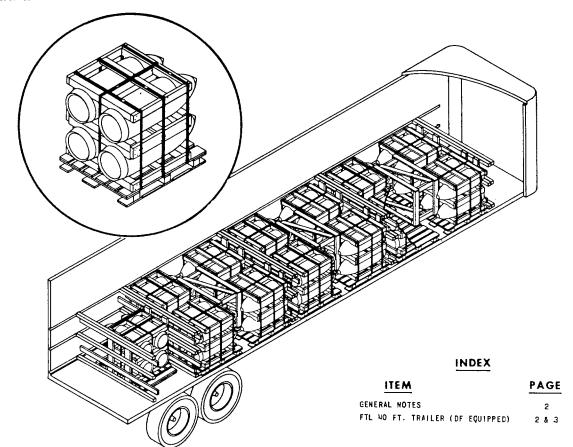
WR-51/46

20 FEBRUARY 1968

WEAPONS REQUIREMENT, TRUCKLOADING Trailer-On-Flat-Car (TOFC) or Container-On-Flat-Car (COFC) BOMB, DEMOLITION, 750 LB., MII7AI, PALLETIZED DOMESTIC UNIT LOAD WR-53/705

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. D.O.T. HAZARD CLASSIFICATION..... EXPLOSIVES A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

AUTHORIZED AND RELEASED FOR TRAILER-ON-FLAT-CAR (TOFC) OR		APPROVED BY BUREAU OF EXPLOSIVES						
WR NO. ASSOCIATED PROCESS		LTR	REVISION DESCRIPTION	10216	APPROVAL			
51/39	TRUCKLOADING (HIGHWAY)	REV	REVISION DESCRIPTION	DATE	TDA	BUXPL	SYSCOM	
52/77	CARLOADING							
53/705	PALLETIZING						1	
		И						

AUTHORIZED AND RELEASED FOR
TRAILER-ON-FLAT-CAR (TOFC) OR
CONTAINER-ON-FLAT-CAR (COFC) USE

1.E. K	ell.	NWHL	6	alp
SIGNATURE	TECHNICA	L DIRECTING ACTIV	VITY (TDA)	DATE
R.E. All	with	AIR-53442	8/2	5/67

ORIGINATOR SIGNATURE

NAVAL WEAPONS HANDLING LABORATORY

U.G. W.A.B. EARLE SEET SERSET

PAGE 1-OF 3

GENERAL NOTES

- 1. THIS COCUMENT PROVIDES CETAILED INSTRUCTIONS FOR LOADING 750 LB. DEMOLITION BOMBS, MII7AI, PALLETIZED, IN DF EQUIPPED VANS WHEN SHIPPING THE VAN TRAILER-ON-FLAT-CAR (TOFC) OR CONTAINER-ON-FLAT-CAR (COFC).
- 2. BOMBS SHALL BE PALLETIZED IN ACCORDANCE WITH COMESTIC UNIT LOAD WR 53/705.
- DF EQUIPPED VANS SHALL BE IN CONFORMANCE WITH AND SHIPPED ON FLAT CARS COMPLYING WITH BUREAU OF EXPLOSIVES PAMPHLET 6C, APPENDIX NO. 1.
- 4. FOR GENERAL TRUCKLOADING PROCEDURES AND REGULATIONS REFER TO THE GENERAL WEAPONS REQUIREMENT (WR 51).

FTL 40 FT. TRAILER (DF EQUIPPED)

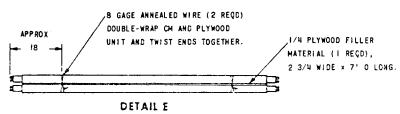
LOADING AND DUNNAGING PROCEDURE. FULL LOAD FOR A 40 FT. TRAILER (OF EQUIPPED) CONSISTS OF 13 STRAPPED PALLETIZED UNIT LOADS CONTAINING 4 BOMBS EACH, FOR A TOTAL OF 52 BOMBS. LOAD AND DUNNAGE AS FOLLOWS:

I. INSTALL PAIRED OF CROSS MEMBERS ON THE 4", 28" AND 48" BELT RAILS AND 45 INCHES FROM THE FORWARD END OF THE TRAILER. PAIRED CROSS MEMBERS CONSIST OF TWO CROSS MEMBERS WITH 1/4" PLYWOOD FILLER, 2 3/4" WICE x 7'0" LONG, WIRED TOGETHER WITH 8 GAGE ANNEALED WIRE, DOUBLE WRAPPED AND TWISTED TOGETHER AND INSTALLED ON BELT RAILS. (SEE DETAIL E)

CAUTION

WHEN POSITIONING THE CROSS MEMBERS, MAKE A VISUAL CHECK TO ENSURE THAT CROSS MEMBERS ARE LOCKED SECURELY IN PLACE.

- 2. PREFABRICATE GATE (DETAIL B), CONSISTING OF TWO HORIZONTAL MEMBERS (ITEM I), AND FOUR VERTICAL MEMBERS (ITEM 2), USING THREE 12d NAILS EACH JOINT AND POSITIONED AGAINST DF CROSS MEMBERS. VERTICAL MEMBERS OF GATE ARE POSITIONED AGAINST CROSS MEMBERS WITH HORIZONTAL MEMBERS FACING THE FRONT OF THE TRAILER.
- POSITION TWO UNIT LOADS, BOMB BASE FORWARD, AGAINST TRAILERS SIDE WALLS AND VERTICAL MEMBERS OF GATE
 AS SHOWN.
- 4. POSITION SLEEPERS (ITEM 3), DOUBLED AGAINST EACH PALLET AS SHOWN (SEE SECTION A-A). NAIL FIRST PIECE TO TRAILER DECK USING 16d NAILS EVERY 8 INCHES AND SECOND PIECE TO FIRST IN LIKE MANNER.
- 5. ASSEMBLE SEPARATOR FRAME (DETAIL D), CONSISTING OF FOUR UPRIGHTS (ITEM 7), FOUR HORIZONTALS (ITEM 8), FOUR LONGITUDINALS (ITEM 9), AND TWO DIAGONALS (ITEM 10), USING THREE 12d NAILS EACH JOINT.
- 6. POSITION. ASSEMBLED SEPARATOR FRAME (DETAIL D), OVER THE NOSE END OF THE INBOARD BOMBS OF THE TWO UNIT LOADS AS SHOWN.
- POSITION TWO ADDITIONAL UNIT LOADS IN TRAILER WITH THE NOSE END OF THE BOMBS FACING THE PREVIOUSLY
 POSITIONED UNIT LOADS AS SHOWN. THE SEPARATOR FRAME (DETAIL D) SHALL COVER THE CENTER BOMBS TO PREVENT
 SHIFTING
- B. POSITION SLEEPERS (ITEM 3), AS IN STEP 4.
- 9. POSITION GATE (DETAIL B) WITH VERTICAL MEMBERS (ITEM 2), AGAINST BASE END OF UNIT LOADS.
- 10. INSTALL PAIRED OF CROSS MEMBERS ON THE 4", 28" AND 48" BELT RAILS WITH PLYWOOD FILLER AS IN STEP 1.
- 11. CONTINUE LOADING, REPEATING STEPS 2, 3, 4, 5, 6, 7, 8, 9, AND 10 UNTIL 12 UNIT LOADS HAVE BEEN LOADED IN TRAILER.
- 12. PREFABRICATE GATE (DETAIL C), CONSISTING OF TWO HORIZONTAL MEMBERS (ITEM 4) AND TWO YERTICAL MEMBERS
 (ITEM 5) USING THREE 12d HAILS EACH JOINT AND POSITION AGAINST DF CROSS MEMBERS WITH HORIZONTAL MEMBERS
- 13. POSITION ONE UNIT LOAD IN CENTER OF TRAILER AND AGAINST VERTICAL MEMBERS OF GATE AS SHOWN.
- 14. POSITION SLEEPERS (ITEM 6), DOUBLED, AGAINST BOTH SIDES OF PALLET AS SHOWN. NAIL FIRST PIECE TO TRAILER FLOOR USING 16d NAILS EVERY B INCHES AND SECOND PIECE TO FIRST IN LIKE MANNER.
- 15. POSITION GATE (DETAIL C) WITH VERTICAL MEMBERS AGAINST UNIT LOAD AS SHOWN.
- 16. INSTALL SINGLE DF CROSS MEMBERS ON THE 4",28" AND 48" BELT RAILS AND AGAINST VERTICAL MEMBERS OF GATE, (OETAIL C).
- 17. ATTACH SHIPPING DOCUMENTS TO REAR DUNNAGE.
- 18. CLOSE AND SEAL TRAILER DOORS.



PAGE 2

PAIRED DE CROSS MEMBER

