APPENDIX 110

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO-NENTS ON 4-WAY ENTRY PALLETS

FLARE, SURFACE-TRIP, M49 SERIES, PACKED 32 PER WOODEN BOX, UNITIZED 18 BOXES PER 35" X 45 ½" PALLET; APPROX BOX SIZE 16 ¼" L X 15" W X 12 ½" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

DISTRIBUTION STATEMENT A:

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U.S. ARMY MATERIEL COMMAND DRAWING APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS PISKORIK. THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. DAVID. A.1229069167 Reason: 1 have reviewed that A.1229069167 Date: 2008.08.14 12:49:00 -05/00* AMSRD-AAR-AIL-TP(R) DO NOT SCALE APPROVED. U.S. ARMY **APRIL 1977** JOINT MUNITIONS COMMAND **ENGINEER** BASIC **MELVIN DAEUMER** CASILLAS GILBERT Digitally signed RF\/ **MATTHEW THOMPSON** TECHNICIAN AMS.IM-LIT **REVISION NO. 3 JULY 2008** TRANSPORTATION APPROVED BY ORDER OF COMMANDING FIEFFER.LAURA. Digitally sig **ENGINEERING** GENERAL, U.S ARMY MATERIEL COMMAND SEE THE REVISION LISTING ON PAGE 2 A.1230375727 DIVISON CARNEY.GARY Digitally signed by CARNEY. GARY.BURTON.1038708038 DN: e-US, o-U.S. Government, ou-Dob, ou-Plx, ou-USA, on-CARNEY.GARY. CLASS DIVISION DRAWING TESTED VALIDATION BARICKMAN. **ENGINEERING** PHILIP. W.1230202202/ DIVISON 4116/ 08038 BURTON, 1038708038 20PA1002 19 48 Date: 2008.08.18 07:22:25 -05'00 BEAVER.JERRY. Digitally signed by W1230949952 **ENGINEERING** 110 W.1230949952 DIRECTORATE U.S. ARMY DEFENSE AMMUNITION CENTER

PALLET UNIT DATA									
ITEMS INCLUDED		*HAZARD							
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)					
1370- 00-752-8060 00-935-9288	L495 L497	1.3 I	G NERT	919 919					

^{*}HAZARD AND CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECI-FIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISIONS

REVISION NO. 1, DATED SEPTEMBER 1977, CONSISTS OF:

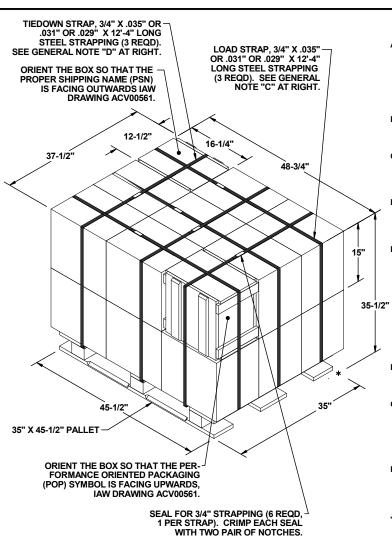
- 1. CHANGING BOX DIMENSIONS.
 2. ADDING TWO MORE BOXES TO THE PALLET UNIT.
 3. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 AND 2

REVISION NO. 2, DATED JULY 1983, CONSISTS OF:

- 1. CHANGING BOX DIMENSIONS.
- 2. UPDATE DRAWING FORMAT.

REVISION NO. 3, DATED JULY 2008, CONSISTS OF CHANGES PER ECP R07K3011INCLUDING:

REORIENTING THE TOP CORNER BOXES ON THE PALLET UNIT.



GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CON-JUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PER-TINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DE-LINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCE-DURES ARE SPECIFIED IN THIS APPENDIX.
- B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE BOXES ON THE PALLET. LOAD STRAPS MUST BE TEN-SIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING - - - 19-48-4115-5PA1002 TRUCKLOADING - - 19-48-4117-11PA1003 STORAGE - - - 19-48-4118-1-2-3-4-14-22PA1002

END OPENING ISO

END OPENING 150 CONTAINER - - - 19-48-4153-15PA1002 MILVAN - - - - 19-48-4166-15PA1003 CONTAINEN
MILVAN - - - - - 19-40 --SIDE OPENING ISO
CONTAINER - - - 19-48-4267-15PA1009

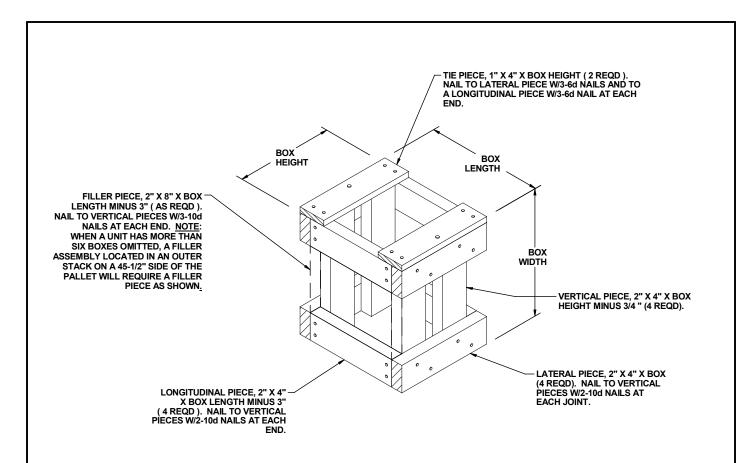
- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED. FOR UNITIZING FLARES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- H. THE STYLE 1A PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- J. FOR DETAILS OF THE MIL-B-2427 BOX SEE ARDEC DRAWING 8830880.

PALLET UNIT SEE GENERAL NOTE "B" AT RIGHT.

18 BOXES OF FLARES (DUNNAGE PALLET		 	 	 846 LBS 8 LBS 65 LBS	(APPROX)
	TOTAL WEIGHT				

BILL OF MATERIAL						
PALLET, 35" X 45-1/2" 1 REQD 65 LBS						
STEEL STRAPPING, 3/4" - 79.75' REQD 7.12 LBS						
SEAL FOR 3/4" STRAPPING 6 REQD NIL						

PAGE 3



FILLER ASSEMBLY (FOR MINUS ONE BOX)