APPENDIX 105A

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

SIGNAL KIT, PACKED 100 OR 200 PER WOODEN BOX, UNITIZED 6 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 34-3/4" L X 21-3/8" W X 13" H

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

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U.S. ARMY MATERIEL COMMAND DRAWING

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PALLET UNIT DATA							
ITEMS INCLUDED		*					
NSN	DODIC	*HAZARD CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)			
1370- 00-490-7362 01-523-4694 00-490-7363 00-490-7364 00-490-7365	L119 L119 L170 L171 L172	1. 3 1. 3 1. 3 1. 3	G G G G	705 705 525 525 525			

^{*}HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUID-ANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DA-TA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFI-CATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISIONS

REVISION NO. 1, DATED NOVEMBER 1983, CONSISTS OF:

- 1. CHANGING BOX AND PALLET SIZES.
- 2. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

REVISION NO. 2, DATED MARCH 1985, CONSISTS OF:

- 1. DELETING ITEM BY NATIONAL STOCK NUMBER FROM "PALLET UNIT DATA" CHART.

 2. UPDATING THE DRAWING FORMAT.

REVISION NO. 3, DATED JUNE 1995, CONSISTS OF:

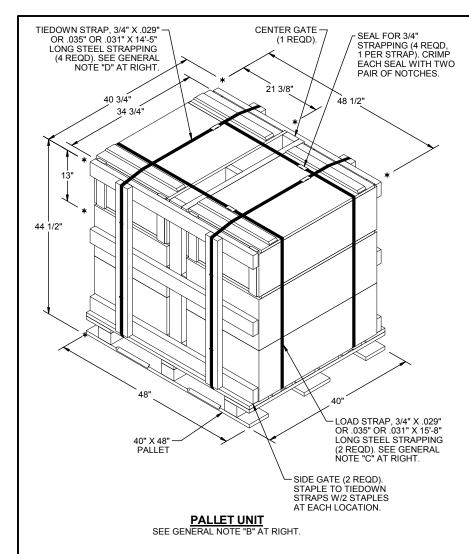
- CHANGING WEIGHT OF THE ITEM.
 DELETING ITEM BY NATIONAL STOCK NUMBER FROM "PALLET UNIT DATA" CHART.
- 3. CHANGING THE QUANTITY PER WOODEN BOX ON COVER PAGE.

REVISION NO. 4, DATED DECEMBER 2005, CONSISTS OF:

- 1. ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT
- DATA" CHART.
 2. REVISING GENERAL NOTES.
- 3. REVISING THE DRAWING FORMAT.

REVISION NO. 5, DATED FEBRUARY 2016, CONSISTS OF:

- CHANGING BOX ORIENTATION FROM VERTICAL TO FLAT.
- CHANGING NUMBER OF BOXES PER PALLET FROM EIGHT TO SIX.
- 3. ADDING ALLOWABLE STRAPPING THICKNESS OF .029".



6 BOXES OF SIGNAL KITS (100 PER BOX) @ 90 LBS DUNNAGE	 85 LBS
TOTAL WEIGHT CUBE	

BILL OF MATERIAL					
LUMBER	LINEAR FEET	BOARD FEET			
1" x 4" 2" x 4"	9 55	2.25 36.67			
NAILS	NO. REQD	POUNDS			
6d (2") 10d (3")	18 55	0.10 0.85			
PALLET, 40" X 48" 1 REQD 80 LBS STEEL STRAPPING, 3/4" - 60.17' REQD 5.37 LBS SEAL FOR 3/4" STRAPPING 4 REQD NIL STAPLE, 15/16" X %" 8 REQD NIL					

GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES D RAWIN G 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL FERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS A FPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES 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 BETENSIONED 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 APPRINTY

CARLOADING - - - 19-48-4115-5PA1002
TRUCKLOADING - - 19-48-4117-11PA1003
STORAGE - - - 19-48-4118-1-2-3-4-1422 PA1002

END OPENING ISO
CONTAINER - - - 19-48-4153-15PA1002
MILVAN - - - - 19-48-4166-15PA1003
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 SIGNAL KITS WHEN DENTIFIED 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 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFICDWITHIN MILITARY SPECIFICATION MILITARY STRAIGHT WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BYTHIS APPENDIX.
- J. ALL WOODEN DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES, AND HEAT TREATED IN AC-CORDANCE WITH GENERAL NOTE "JJ" IN THE BASIC PROCEDURES.
- K. FOR DETAILS OF THE WOODEN BOX SEE AIR FORCE SPI F00-490-7362

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