<u>APPENDIX 115B</u>

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

FLARE, COUNTERMEASURE OR IR COUNTERMEA-SURE DECOY, PACKED VARIOUS QUANTITIES PER WIREBOUND BOX, UNITIZED 36 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 14-5/8" L X 13-1/8" W X 11-3/8" 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

APPROVED FOR PUBLIC RELEASE DISTRIBUTION IS UNLIMITED.

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 REHMSTEDT.MA REHMSTEDT.MA THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. RK.J.1230548400 ou=PKI, ou=USA, on=REHMSTEDT.MARK.J.1230548400 Date: 2010.12.28 13.45.28 -06'00' RDAR-EIL-TP DO NOT SCALE APPROVED, U.S. ARMY **AUGUST 1979** JOINT MUNITIONS COMMAND **ENGINEER** BASIC WILLIAM R. FRERICHS CASILLAS.GILBE Digitally signed by CASILLAS.GILBERT RT.J.1230393644 00-USA 01-01-05 07:05-08-08 RF\/ MADELINE BANKS TECHNICIAN AMSJM-LIT **REVISION NO. 5 DECEMBER 2010** TRANSPORTATION APPROVED BY ORDER OF COMMANDING FIEFFER.LAUR **ENGINEERING** GENERAL, U.S ARMY MATERIEL COMMAND SEE THE REVISION LISTING ON PAGE 2 A.A.1230375727 DIVISON CLASS DIVISION DRAWING BARICKMAN TESTED VALIDATION CARNEY.GARY Digitally signed by CARNEY.GAR/BURTON.1038708038 Div.e-US, o-U.S. Government, ou=DsD, ou=Pki, ou=USA, ou=DsD, ou=Pki, ou=USA, ou=DsD, ou=Pki, ou=USA, ou=DsD, ou=Pki, ou=USA, ou=USA, ou=DsD, ou=Pki, ou=USA, ou=U PHILIP.W.123 **ENGINEERING** DIVISON 0202202 4116/ 20PA1002 708038 19 48 BEAVER.JERRY Date: 2011.01.05 10:54:50 -06'00' **ENGINEERING** 115B DIRECTORATE W 1230949952 U.S. ARMY DEFENSE AMMUNITION CENTER

PALLET UNIT DATA								
ITEMS INCLUDED		*HAZARD						
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)				
1370-								
01-048-2138	L410	1. 3	G	2, 502				
01-460-1684	LA14	4. 2	G	2, 918				
01-534-9804	LA14	4. 2	G	2, 918				
01-460-1687	LA15	1. 3	G	2, 864				
01-534-3060	LA15	1. 3	G	2, 864				
01-468-6077	LA19	4. 2	G	2, 682				
01-468-6076	LA20	4. 2	G	2, 610				
01-495-9793	LA30	1. 3	G	2, 214				
01-495-9790	LA31	1. 3	G	3, 657				

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

REVISIONS

REVISION NO. 1, DATED MAY 1996, CONSISTS OF:

- CHANGING BOX SIZE AND WEIGHT.
 CHANGING PALLET CONFIGURATION FROM A 35" X 45-1/2" PALLET TO A 40' X 48" PALLET.
- 3. DELETING GENERAL NOTE RELATING TO STRAP CUTTER AND RE-LETTERING OTHER GENERAL

REVISION NO. 2, DATED JANUARY 2001, CONSISTS OF:

- 1. CHANGING TITLE.
- 2. UPDATING DRAWING FORMAT.
 3. ADDING ITMES BY NATIONAL STOCK NUMBER (NSN) TO THE "PALLET UNIT DATA CHART".
- 4. ADDING BOX DRAWING REFERNCE GENERAL NOTE.

REVISION NO. 3, DATED FEBRUARY 2003, CONSISTS OF:

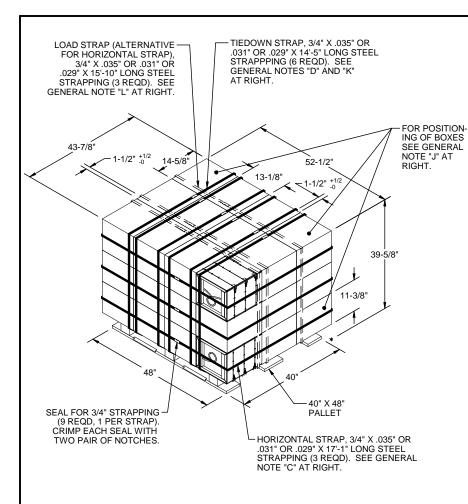
- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO THE "PALLET UNIT DATA CHART".
 2. ADDING TWO ADDITIONAL TIEDOWN STRAPS TO ACCOMMODATE THE 99 POUND BOX (LA31).
- 3. ADDING SECOND TIEDOWN STRAP GENERAL NOTE IAW 2 ABOVE.

REVISION NO. 4, DATED APRIL 2009, CONSISTS OF:

- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO THE "PALLET UNIT DATA CHART" IN ACCOR-
- DANCE WITH ECP R08K3009.
 2. UPDATING DRAWING FORMAT.

REVISION NO. 5, DATED DECEMBER 2010, CONSISTS OF CHANGES PER ECP R10K3002:

- ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO THE "PALLET UNIT DATA CHART".
 UPDATING GENERAL NOTES "J" (BOX ORIENTATION) AND "N" (BOX DRAWING NUMBERS).
 ADDING HORIZONTAL STRAPS AND MAKING LOAD STRAPS ALTERNATIVE.
 ADDING GENERAL NOTES "L" (ALTERNATIVE STRAPS) AND "M" (BOX HANDLES).
 CHANGING BOX DIMENSIONS.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

DUNNAGE			 	
	TOTAL WE CUBE	I GHT	 	3,657 LBS (APPROX) 52.8 CU FT (APPROX)

*SEE GENERAL NOTE "K" AT RIGHT

BILL OF MATERIAL

PALLET, 40" X 48" - - - - - 1 REOD - - - - - 80 LBS STEEL STRAPPING, 3/4" - 137. 75' REOD - - - - 12. 30 LBS SEAL FOR 3/4" STRAPPING - - - 9 REOD - - - - - - NIL

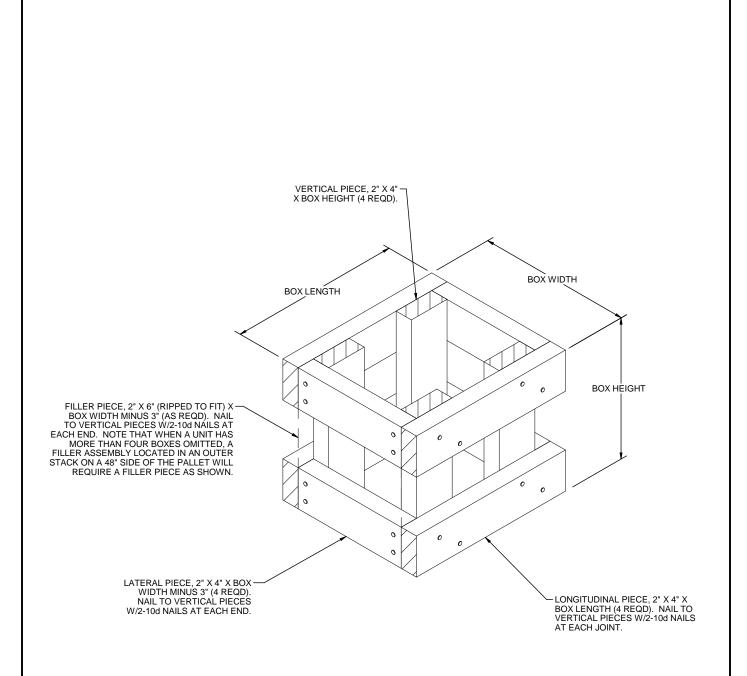
GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. 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. INSTALL EACH HORIZONTAL STRAP TO BE LOCATED AS SHOWN. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED AFTER THE 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 HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SFALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING - - - - 19-48-4115-5PA1002
TRUCKLOADING - - - 19-48-4117-17PA1003
STORAGE - - - 19-48-4118-1-2-3-4-1422PA1002
END OPENING I SO
CONTAI NER - - - 19-48-4153-15PA1002
MI LVAN - - - - 19-48-4166-15PA1003
SI DE OPENING I SO
CONTAI NER - - - 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 OR DECOYS 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 SEGONN
- H. THE STYLE 1 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. POSITION THE SIX OUTBOARD BOXES ON THE 40" SIDES OF THE BOTTOM LAYER OF THE UNIT WITH THE TOPS DOWNWARD, AND THE SIX OUTBOARD BOXES ON THE 40" SIDES OF THE TOP LAYER OF THE UNIT WITH THE TOPS TURNED UPWARDS.
- K. WHEN THE TOTAL WEIGHT OF A 36-BOX UNIT IS 2,800 POUNDS OR LESS, ONLY FOUR TIEDOWN STRAPS WILL BE REQUIRED TO RETAIN THE BOXES ON THE PALLET. ELIMINATE THE TWO CENTER TIEDOWN STRAPS. THIS WILL RESULT IN A REDUCED DUNNAGE WEIGHT OF 9.73 POUNDS AND A TOTAL STRAPPING REQUIREMENT OF 108.92 FEET.
- L. LOAD STRAPS MAY BE USED AS AN ALTERNATIVE TO HORIZONTAL STRAPS. THE LOAD STRAPS MUST BE PREPOSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. NOTE THAT THE LOAD STRAPS WILL BE LOCATED AS SHOWN. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS
- M. THE DETAIL ABOVE DEPICTS HANDLES ON THE DETAILED BOXES. THE ACTUAL BOXES TO BE UNITIZED MAY OR MAY NOT HAVE HANDLES, DEPENDING ON THE MODEL OF THE ITEM TO BE UNITIZED. IF THE BOXES DO CONTAIN HANDLES, THEN THE HANDLES MAY BE EITHER WEBBING OR ROPE STYLE.
- N. FOR DETAILS OF THE WIREBOUND BOX SEE DRAWING 9313716, 12988808, OR 12988845.

PAGE 3



FILLER ASSEMBLY (FOR MINUS ONE BOX)