# **APPENDIX 5B**

UNITIZATION PROCEDURES FOR BOXED WHITE PHOSPHORUS (WP) AND PLASTICIZED WHITE PHOSPHORUS (PWP) LOADED AMMUNITION ON 4-WAY ENTRY PALLETS

CARTRIDGE, 81MM, PACKED 4 PER WIREBOUND BOX, UNITIZED 20 BOXES PER 35" X 45-1/2" PALLET; APPROX BOX SIZE 24-1/2" L X 8-7/8" W X 8-3/4" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4015-20PA1004.

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#### U.S. ARMY MATERIEL COMMAND DRAWING APPROVED, U.S. ARMY FIELD SUPPORT COMMAND CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. DO NOT SCALE **FEBRUARY 1983 ENGINEER** BASIC WILLIAM R. FRERICHS OR TECHNICIAN MARK GRACE **REVISION NO. 1 MAY 2005 FRANSPORTATION** APPROVED BY ORDER OF COMMANDING ENGINEERING GENERAL, U.S. ARMY MATERIEL COMMAND **SEE THE REVISION LISTING ON PAGE 2** DIVISON VALIDATION ( CLASS DIVISION **DRAWING ENGINEERING** 100/ Yea DIVISON 4015/ 19 48 20PA1004 **ENGINEERING 5B** DIRECTORATE **U.S. ARMY DEFENSE AMMUNITION CENTER**

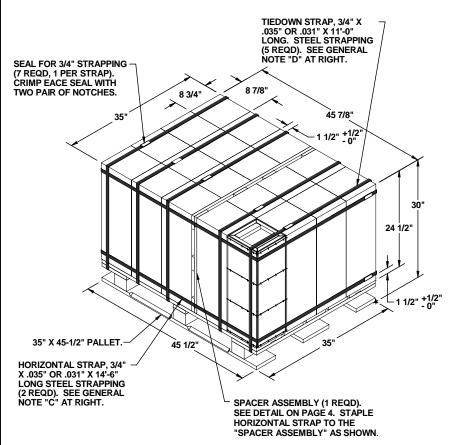
PALLET UNIT DATA							
ITEMS INCL	UDED	*HAZARD		APPROX WEIGHT (LBS)			
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP				
1315- 00-782-5543 00-782-5838 00-935-6003	C276 C276 C276	1. 2. 1 1. 2. 1 1. 2. 1	H H	1, 084 1, 084 1, 084			

<sup>\*</sup>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).

#### **REVISION**

**REVISION NO. 1, DATED MAY 2005, CONSISTS OF:** 

- 1. REMOVING DOT CLASS AND CG CLASS COLUMNS FROM "PALLET UNIT DATA" CHART.
- 2. ADDING NSN 1315-00-935-6003 TO "PALLET UNIT DATA" CHART.
- 3. UPDATING "PALLET UNIT DATA" HAZARD CLASS AND DIVISION COL-
- 4. REMOVING STRAP CUTTER FROM VIEW AND STRAP CUTTER NOTE.



### PALLET UNIT SEE GENERAL NOTE "B" AT RIGHT.

20 BOXES OF DUNNAGE PALLET	 	. <u>-</u> '-		 	-	 -	-	-	-	1,000 LBS (APPROX) 19 LBS 65 LBS
	TOT/ CUBI	L_WE	I GHT	 	-	 _	-	-	-	1,084 LBS (APPROX) 27.9 CU FT (APPROX)

BILL OF MATERIAL					
LUMBER	LINEAR FEET	BOARD FEET			
1" X 4"	16. 92	5. 64			
NAI LS	NO. REQD	POUNDS			
6d (2")	24	0. 14			
PALLET, 35" X 45-1/2" 1 REQD 65 LBS  STEEL STRAPPING, 3/4" - 84.00' REQD 7.50 LBS  SEAL FOR 3/4" STRAPPING 7 REQD NIL  STAPIF 15/16" X 3/4" 4 REQD NII					

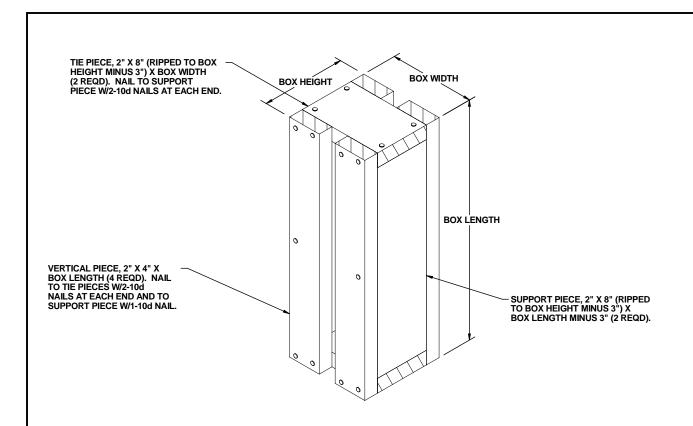
#### **GENERAL NOTES**

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4015-20PA1004. 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 THE HORIZONTAL STRAP TO ENCIRCLE THE LAYER OF BOXES AS SHOWN. HORIZONTAL STRAP MUST BE TENSIONED AND SEALED PRIOR TO THE AP-PLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

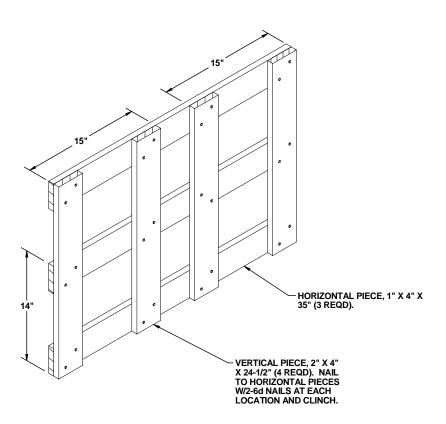
CARLOADI NG - - - 19-48-4115-5PA1002
TRUCKLOADI NG - - 19-48-4117-11PA1003
STORAGE - - - 19-48-4118-1-2-3-4-1422PA1002
END OPENI NG I SO
CONTAI NER - - - 19-48-4153-15PA1002
MI LVAN - - - - 19-48-4166-15PA1003
SI DE OPENI NG I SO
CONTAI NER - - - 19-48-4267-15PA1009

- 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 81MM CARTRIDGES 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. IF THERE IS NEED FOR FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAT 16 FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT. ADDITIONAL FILLERS CAN BE PUT IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF 16 FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISFY THE TOTAL REDUCTION NEEDED. USING TWO PALLET UNITS TO SATISFY THE PALLETIZATION CRITERIA APPLICABLE TO LESS-THAN-FULL PALLET UNITS IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.
- J. FOR DETAILS OF THE WIREBOUND BOX SEE ARDEC DRAWING 8864663.

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## FILLER ASSEMBLY (FOR MINUS ONE BOX)



## SPACER ASSEMBLY (ONE REQD)