

APPENDIX 10

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

ROCKET, 2.75", PACKED 4 PER WOODEN BOX,
UNITIZED 15 BOXES PER 35" X 45-1/2" PALLET;
APPROX BOX SIZE 46-1/4" L X 11-7/8" W X
9-5/16" H

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

U.S. ARMY MATERIEL COMMAND DRAWING			
<small>APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND</small> <i>msA</i> <i>David Q. Pustork</i> <i>John L. Byrd</i> <small>SMCAR-ESK</small> <small>AMSMC-TMD</small>	<small>DRAFTSMAN</small> D. WHITMORE S. WILSON	<small>TECHNICIAN</small> 	<small>ENGINEER</small> W. FRERICHS <i>L. Tieffer</i>
<small>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</small> <i>John L. Byrd</i> <small>U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL</small>	<small>EVALUATION DIVISION</small> <i>Thom W. Zwick</i>	<small>STORAGE & OUTLOADING DIVISION</small> <i>W. Zwick</i>	<small>LOGISTICS ENGINEERING OFFICE</small> <i>W. Zwick</i>
APRIL 1983			
<small>REVISION NO. 1</small> APRIL 1990 SEE THE REVISION LISTING ON PAGE 2	<small>CLASS</small> 19	<small>DIVISION</small> 48	<small>DRAWING</small> 4015/ 10
		<small>FILE</small> 20PA 1004	

DO NOT SCALE

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ●				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	GD CLASS	COMP GROUP	
1340- 00-143-7107	H519	A	II-D	(12)1.2	H	2.188

● HAZARD 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

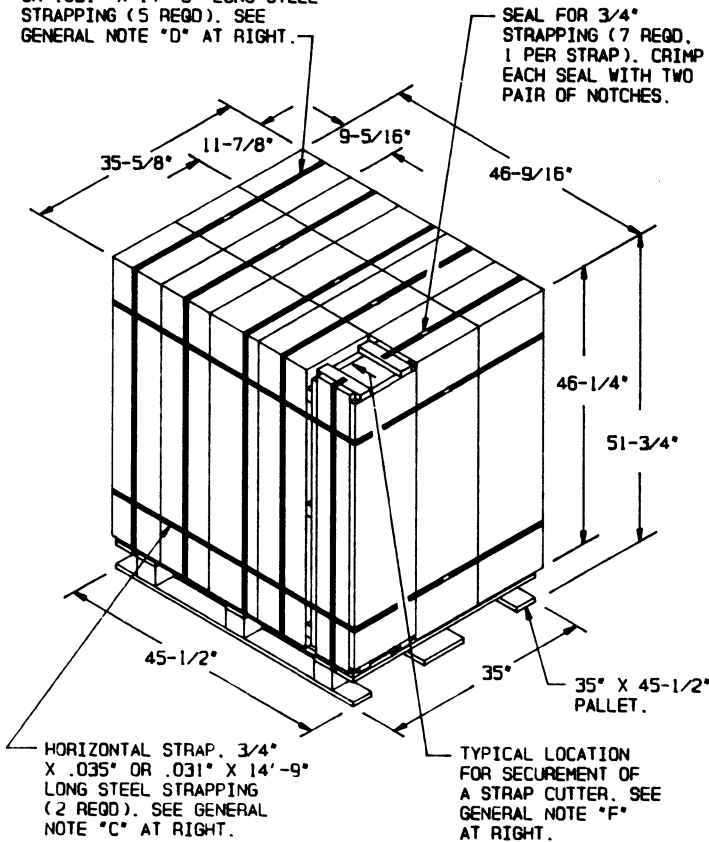
REVISION NO. 1, DATED APRIL 1990, CONSISTS OF:

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

GENERAL NOTES

TIEDOWN STRAP, 3/4" X .035" OR .031" X 14'-9" LONG STEEL STRAPPING (5 REQD). SEE GENERAL NOTE "D" AT RIGHT.

SEAL FOR 3/4" STRAPPING (7 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

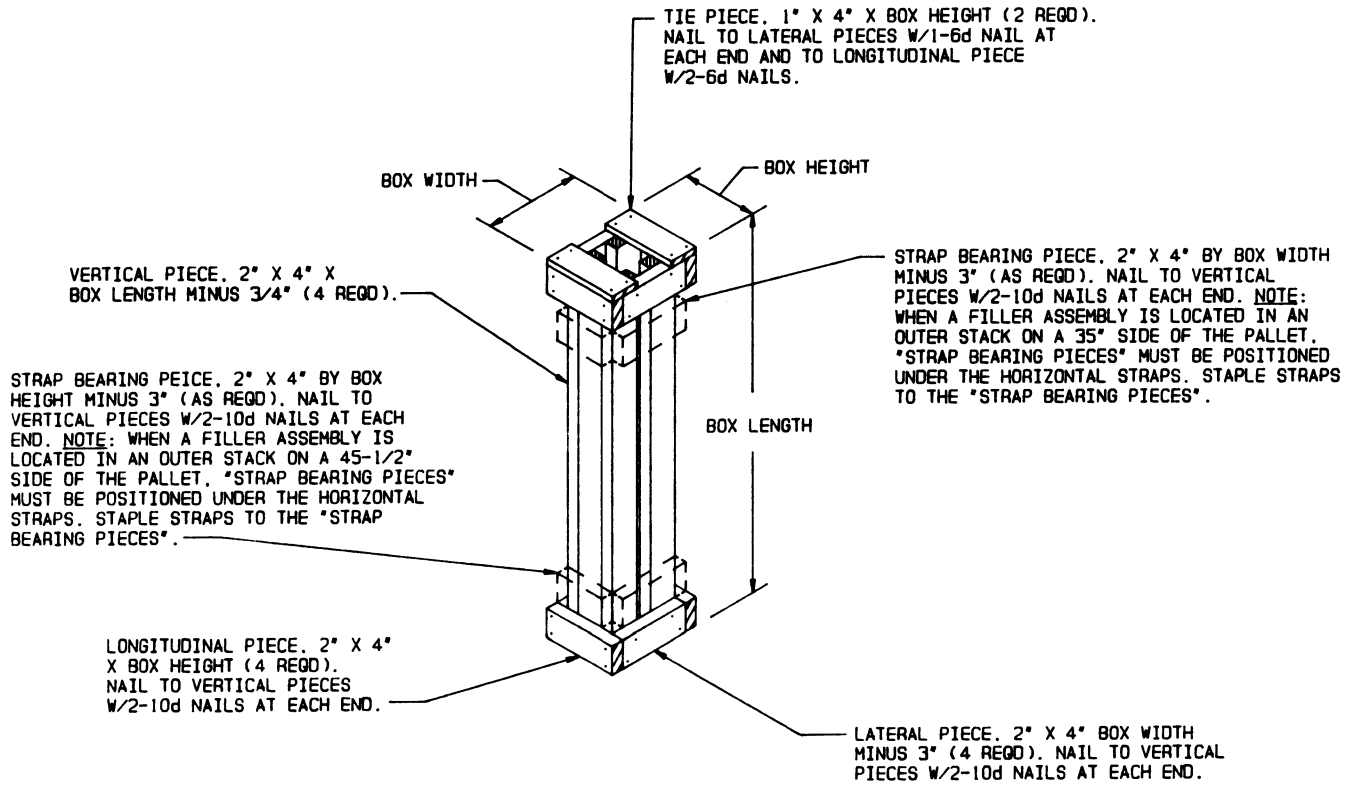
15 BOXES OF 2.75" ROCKETS (4 PER BOX) AT 141 LBS - 2.115 LBS (APPROX)
 DUNNAGE ----- 8 LBS
 PALLET ----- 65 LBS

TOTAL WEIGHT ----- 2.188 LBS (APPROX)
 CUBE ----- 49.7 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 35" X 45-1/2"	----- 1 REQD -----	65 LBS
STEEL STRAPPING, 3/4"	----- 103.25' REQD -----	7.38 LBS
SEAL FOR 3/4" STRAPPING	----- 7 REQD -----	NIL

- 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 EACH HORIZONTAL STRAP TO ENCIRCLE THE LAYER OF BOXES AS SHOWN. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION 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.
 - CARLOADING - - - - 19-48-4115-5PA1002
 - TRUCKLOADING - - - - 19-48-4117-11PA1003
 - STORAGE - - - - - 19-48-4118-1-2-3-4-14-22PA1002
 - COMMERCIAL
 - CONTAINER - - - - - 19-48-4153-15PA1002
 - MILVAN - - - - - 19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 2.75" ROCKETS 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 THAT WHAT IS SHOWN.
- J. IF THERE IS A NEED FOR FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAN 11 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 11 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.
- K. 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.



FILLER ASSEMBLY

(FOR MINUS ONE BOX)