APPENDIX 80P

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

ROCKET, 2.75", WARHEAD, FLARE, AND ROCKET MOTOR, PACKED 3 ROCKETS (UNASSEMBLED) PER WOODEN BOX, UNITIZED 15 BOXES PER 35" X 45-1/2" PALLET; APPROX BOX SIZE 48-1/2" L X 12-1/4" W X 9-3/8" 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, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W. SEPH.W.1376 1376495538	<u>CAUTION</u> : VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.							
495538 Date: 2020.09.28 10:08:04 -05'00' FCDD-ACE-LTF	DO NOT SCALE				NOVEMBER 1993			
APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND	DESIGN	BASIC	SANDRA M. SCHULTZ	<u> </u>				
WARD.GINA. WARD.GINA.M.1369379808	ENGINEER	REV.	SPENCER HOVEY] _{RE}	REVISION NO. 3 AUGUST 2020			JGUST 2020
MSJM-ML	ENGINEERING DIVISON		FIEFFER.LAUR Digitally signed by A.A.1230375727 Date: 2020.08.16 07:17:46-0500					
APPROVED BY ORDER OF COMMANDING GENERAL,				SEE THE REVISION LISTING ON PAGE 2				
U.S. ARMY MATERIEL COMMAND	TEST ENGINEER		FELICIANO.AD	CLASS	DIVISION	DRA	WING	FILE
SMITH.THERESA.	TEST REPORT	A	IN.1259200373 Date: 2020.08.21 13:32:21 -05'00'			11	16/	
ANN.1009147639 639 Date: 2020.10.13 14:09:50 -05'00'	EXPLOSIVE SAFETY DIRECTORATE		THOMAS.CARL.AN THOMAS.CARLAN THONY.1104621372 21372 Date: 2020.08.26 07:15:34 -05:00'	19	48	4116/ 80P		20PA1002

PALLET UNIT DATA							
ITEMS INCLUDED		*HAZARD	*COMPATI-	APPROX			
NSN	DODIC	CLASS AND DIVISION	BILITY GROUP	WEIGHT (LBS)			
1340- 01-371-8611 01-249-7721 01-249-7720 01-268-7175 01-446-2905 01-448-8890 01-686-4529	H154 H181 H182 H183 HA10 HA18 HB54	1. 2. 1 1. 3 1. 3 1. 3 1. 2. 1 1. 3 1. 2. 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2, 061 2, 061 2, 061 2, 061 2, 061 2, 061 2, 061 2, 061			

*HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PUR-POSES 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 OCTOBER 1997, CONSISTS OF:

ADDING ITEM BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA" CHART.

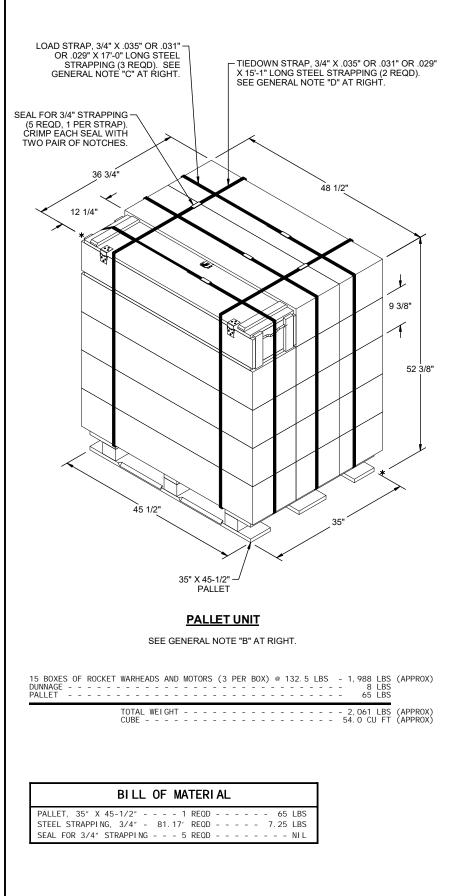
REVISION NO. 2, DATED FEBRUARY 1998, CONSISTS OF:

ADDING ITEM BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA" CHART.

REVISION NO. 3, DATED AUGUST 2020, CONSISTS OF CHANGES PER ECP R20K3003 (1):

- ADDING ITEM BY NATIONAL STOCK NUMBER (NSN) TO PALLET UNIT DATA CHART.
 UPDATING HAZARD CLASSIFICATION AND DIVISION IN PALLET UNIT DATA CHART.
 UPDATING PACKAGE AND PALLET UNIT WEIGHTS.

- 4. UPDATING DRAWING TO FOUR PAGE FORMAT.



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 PRO-DUCE AN APPROVED UNIT LOAD, ALL PERTINENT PRO-CEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PRO-CEDURES DELINEATED IN THIS APPENDIX. ANY EXCEP-TIONS 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 DIMEN-SIONS OF THE BOXES AND THE WEIGHT OF THE SPECIF-IC 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 WILL NOT BE TENSIONED AND SEALED UNTIL THE TIEDOWN STRAPS HAVE BEEN TEN-SIONED AND SEALED.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF THE LOAD STRAPS.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

			19-48-4115-5PA1002
TRUCKLOADI NG			19-48-4117-11PA1003
STORAGE			19-48-4118-1-2-3-4-14-
			22PA1002
END OPENING I	S0		
CONTAINER -			19-48-4153-15PA1002
MILVAN			19-48-4166-15PA1003
SLDE OPENING	1.50)	
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 ROCKET WARHEADS AND MOTORS 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 CLASSI-FICATION 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-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAY-ER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-6", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 15'-5". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 43", A GROSS UNIT WEIGHT OF 1.661 POUNDS, AND A UNIT CU-BE OF 44.4 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER, VAN TRAILER, OR BOXCAR. THE DETERMINATION TO RE-DUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE BASED UPON ECONOMICS OF TRANSPORTA-TION AND HANDLING.
- K. FOR DETAILS OF THE MIL-DTL-2427, TYPE II, CLASS 2 WOODEN BOX SEE ARDEC DRAWING 12624792.

