APPENDIX 38B

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

CARTRIDGE, 120MM FULL RANGE PRACTICE, M931, PACKED 2 PER WIREBOUND BOX, UNITIZED 21 BOXES PER 35" X 45-1/2" PALLET; APPROX BOX SIZE 33" L X 11-7/8" W X 6-1/2" 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:

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U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT CAUTION: VERIFY PRIOR TO USE AT HTTPS://MHP.REDSTONE.ARMY.MIL THAT THIS IS AND ENGINEERING COMMAND REHMSTEDT. | Reinstance | Reins THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. DO NOT SCALE **FEBRUARY 1997** APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND BASIC SANDRA M. SCHULTZ RUS.ALLEN.J Digitally signed by 120 CH 120 C DESIGN **ENGINEER** RF\/ **QUYEN TRAN REVISION NO. 2 NOVEMBER 2016** FIEFFER.LAUR Digitally signed by FIEFFER.LAURA.1230375727 **ENGINEERING** AMSJM-MMT A.A.1230375727 0u=PKI, 0u=USA, SEE THE REVISION LISTING ON PAGE 2 DIVISON APPROVEDBY ORDER OF COMMANDING CLASS DIVISION DRAWING FII F GENERAL, U.S. ARMY MATERIEL COMMAND TEST ENGINEER FELICIANO.AD FELICIANO.ADIN.1259200373 SHIMP.UPTON Digitally signed by SHIMP.UPTON.R.1231257183 DN: c=US, o=U.S. Government, ou=DoD, TEST IN.1259200373 GHPKI, OU-USA, GHPKI, OU-USA, GHPKI, OU-USA, GHPKI, OU-USA, OU-U REPORT .R.1231257183 ou-PKI, ou-USA, ou-USA ou-PKI, ou-USA, ou-PKI, ou-USA, ou-PKI, ou-USA, ou-PKI, ou-USA, ou-PKI, ou-USA, o 20PA1002 **EXPLOSIVE** 19 48 4116/38B TIRONE.JOSEPH.A Digitally signed by TIRONE.JOSEPH.ANDREW.1026683749 ON: cruitS. Government, cum-DoD, cum-P SAFETY NDREW.1026683749 confiltrone_JOSEPH.ANDREW.1 DIRECTORATE U.S. ARMY DEFENSE AMMUNITION CENTER

PALLET UNIT DATA									
ITEMS INCL	.UDED	*HAZARD	*COMPATI-	APPROX WEIGHT (LBS)					
NSN	DODIC	CLASS AND DIVISION	BILITY GROUP						
1315- 01-451-4546 01-467-0993 01-576-8539 01-621-7162	CA09 CA09 CA09 CA09	1. 2. 2 1. 2. 2 1. 2. 2 1. 2. 2	G G G	1, 924 1, 924 1, 924 1, 924					

^{*}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).

REVISIONS

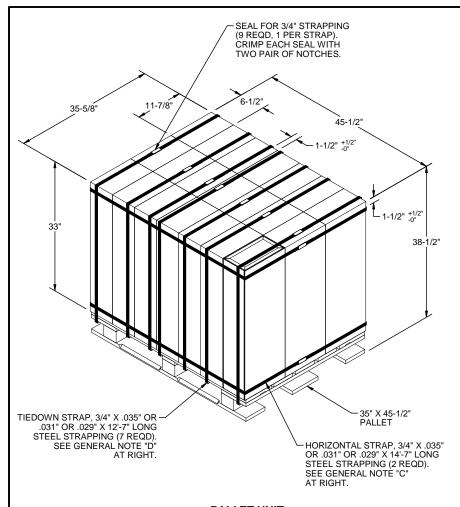
REVISION NO. 1, DATED JUNE 1999, CONSISTS OF:

- 1. CHANGING THE NSN, DODIC, HAZARD CLASS, AND COMPATIBILITY
- 2. CHANGING THE OFFICE SYMBOL FROM AMSIO-TMJ TO AMSIO-JTM.
 3. ADDING ITEMS BY NATIONAL STOCK NUMBER TO "PALLET UNIT
- DATA" CHART.

REVISION NO. 2, DATED NOVEMBER 2016, CONSISTS OF:

- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.

 2. UPDATING THE "HAZARD CLASS" ON "PALLET UNIT DATA" CHART.
- 3. ADDING .029" THICKNESS STRAPPING TO THE LEADERS (2) ON
- 4. UPDATING GENERAL NOTES "F" (REUNITIZATION), "G" (OTHER NSN), "H" (CHAMFERS), AND "J" (BOX REFERENCE) ON PAGE 3.
 5. UPDATING DRAWING TO CURRENT STANDARD FORMAT.



PALLET UNIT SEE GENERAL NOTE "B" AT RIGHT

DUNNAGE	 CARTRI DGES (2		 	 	
	TOTAL WEIG CUBE	HT	 	 	1, 924 LBS (APPROX) 36. 1 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 35" X 45-1/2" - - - - 1 REOD - - - 65 LBS STEEL STRAPPING, 3/4" - - - 117.25' REOD - - - 10.47 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 ENCIRCLE A LAYER OF BOXES ON THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE TOP AND BOTTOM OF EACH LAYER. 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. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE SIDE CLEATS OF THE END PANELS OF THE BOX. 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 120MM MORTAR CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS DELINEATED 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 SPECIFIED WITHIN MILITARY SPECIFICATION MIL-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- J. FOR DETAILS OF THE WIREBOUND BOX SEE ARDEC DRAWING 12957063.

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