APPENDIX 5C

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

CARTRIDGE, 5.56MM, SAW, PACKED 800 PER PA108 METAL CONTAINER, 2 CONTAINERS PER WIRE-BOUND BOX, UNITIZED 36 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 17" L X 13-3/8" W X 9-3/8" H

NOTICE: T	HIS APPENDIX	CANNOT STAND	ALONE BUT MUST	BE USED IN C	ONJUNCTION WIT	TH THE BASIC UNITIZATION
PROCEDUR	RES DRAWING	19-48-4116-20PA1	002.			

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 PENNOCK.AMA Distant grand by PENNOCK.AMA Distant grand by PENNOCK.AMA Distant Grand Distant Comment NDA.C.1380042 Distant Comment Distant Co	<u>CAUTION</u> : VERIFY PRIOR TO USE AT HTTPS://MHP.REDSTONE.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.							
157 7 Date: 2017.08.23 09:07:24 -05:00 RDAR-EIL-TP APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND				JANUARY 1985				
RUS.ALLEN.J	DESIGN	BASIC	ROBERT A. REGAZZI					
1230354282	ENGINEER	REV.	MADELINE BANKS] _{RE}	REVISION NO. 9 AUGUST 2017		JGUST 2017	
. 1230334282 Date: 2017.08.31 15:20394282 Date: 2017.08.31 15:2033-6200 AMSJM-MMT	ENGINEERING FIEFFER.LAUR		- UN: C+US, C+US. Government, ou+DoD,	SEE THE REVISION LISTING ON PAGE 2				
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GENERAL, U.S ARMY MATERIEL COMMAND	TEST ENGINEER			CLASS	DIVISION	DRA	WING	FILE
SHIMP.UPTON	TEST REPORT	A	IN.1259200373					
.R.1231257183	EXPLOSIVE SAFETY DIRECTORATE		THOMAS.CARL.AN	19	48	411	6/5C	20PA1002

PALLET UNIT DATA						
ITEMS INCL	UDED	*		APPROX WEIGHT (LBS)		
NSN	DODIC	*HAZARD CLASS AND DIVISION	*COMPATI- BILITY GROUP			
1305- 01-258-8692	A062	1.4	S	2, 790		
01-363-7560 01-252-0153	A062 A064	1.4 1.4	S S	2, 790 2, 790		
01-361-8038	A064	1.4	S	2,790		
01-258-8694	A075	1.4	S	2, 178		
01-393-7050	AA01	1.4	S	2, 708		
01-393-7052	AA02	1.4	S	2, 726		
01-411-6098	AA08	1.4	S	1, 782		
01-467-3026	AA44	1.4	S	2, 790		
01-533-5663	AB03	1.4	S	2, 790		
01-533-5657	ABO4	1.4	S	2, 790		
01-568-0799	AB40	1.4	S	2,790		
01-559-3332	AB56	1.4	S S	2,790		
01-582-7502	AB66	1.4 1.4	S S	2, 754 2, 790		
01-596-4478	AB73	1.4 1.4	S S	2, 790 2, 790		
01-596-4416 01-596-4391	AB75 AB76	1.4	S	2,790		
01-651-5896	AB76 AC10	1.4	S	2, 754		

 * 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. 2, DATED FEBRUARY 1989, CONSISTS OF:

- 1. REMOVING ONE LAYER OF BOXES FROM PALLET UNIT.
- 2. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 ABOVE.

REVISION NO. 3, DATED SEPTEMBER 1993, CONSISTS OF:

- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
- ADDING ALTERNATIVE STRAPPING.
 ADDING ALTERNATIVE FILLER ASSEMBLY.
- COMBINING NOTES "J" (1-1/4" STRAPS) AND "K" (HORIZONTAL STRAPS).
 ADDING NEW GENERAL NOTE "L" (ALTERNATIVE FILLER).

REVISION NO. 4, DATED DECEMBER 1994, CONSISTS OF:

- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
- 2. CHANGING THE WEIGHT OF ITEMS ON "PALLET UNIT DATA" CHART.

3. DELETING GENERAL NOTE "N" (OUTBOARD BOX POSITION).

REVISION NO. 5, DATED MARCH 1996, CONSISTS OF:

- ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
 CHANGING THE WEIGHT OF AN ITEM ON THE "PALLET UNIT DATA" CHART.
- 3. DELETING GENERAL NOTE RELATING TO STRAP CUTTER AND RELETTERING OTHER GENERAL NOTES.

REVISION NO. 6, DATED JANUARY 2000, CONSISTS OF:

- ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
- 2. CHANGING TO NEW DRAWING FORMAT.

REVISION NO. 7, DATED NOVEMBER 2013, CONSISTS OF CHANGES PER ECP R12K2038 NOR 14:

- ADDING ITEMS BY NATIONAL STOCK NUMBERS TO THE "PALLET UNIT DATA" CHART.
- UPDATING TITLE IN COVER PAGE (PACKED 800 PER PA108). UPDATING CALLOUTS TO REFLECT THE .029" STRAP REFERENCE 2.
- 3. 4. UPDATING TABLE FORMAT AND WEIGHTS IN "PALLET UNIT DATA" CHART.

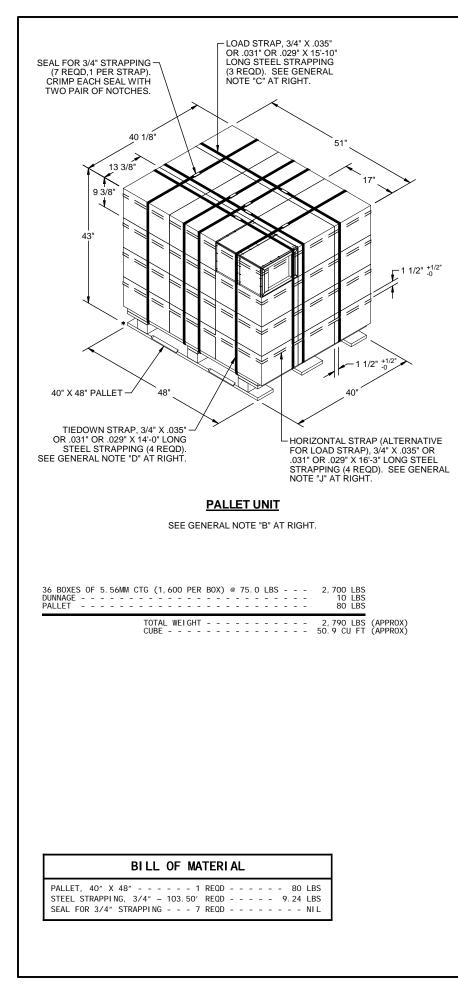
REVISION NO. 8, DATED MAY 2015, CONSISTS OF CHANGES PER ECP R14K9001-NOR 18:

1. ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

2. UPDATING PALLET SPECIFICATION IN GENERAL NOTE "L".

REVISION NO. 9, DATED AUGUST 2017, CONSISTS OF CHANGES PER ECP R16S2008 NOR 7:

ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART



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.
- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PAL-LET. NOTE THAT THE LOAD STRAPS WILL BE LOCATED AS SHOWN. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

	19-48-4115-5PA1002
TRUCKLOADING	19-48-4117-11PA1003
STORAGE	19-48-4118-1-2-3-4-14-
	22PA1002
END OPENING I SO	
CONTAINER	19-48-4153-15PA1002
MILVAN	19-48-4166-15PA1003
SIDE OPENING ISO	
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 5.56MM 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 CLASSIFICA-TION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- H. 1-1/4" STRAPS MAY BE SUBSTITUTED FOR THE 3/4" STRAPPING SPECIFIEDIN THE "PALLET UNIT" AT LEFT. THREE 1-1/4" TIEDOWN STRAPS WILL REPLACE THE FOUR 3/4" TIEDOWN STRAPS SPECIFIED UNLESS THE UNIT LOAD WEIGHT EXCEEDS 3,300 LBS, IN WHICH CASE FOUR 1-1/4" TIEDOWN STRAPS ARE REQUIRED. OMIT A CENTER TIEDOWN STRAP. REFER TO GENERAL NOTE "CC" IN THE BASIC UNITIZATION DRAWING 19-48-4116-20PA1002 FOR ADDITIONAL GUIDANCE.
- J. HORIZONTAL STRAPS MAY BE USED IN LIEU OF LOAD STRAPS. HORIZONTAL STRAPS WILL BE LOCATED AS DIMENSIONED IN THE DETAIL AT LEFT.
- K. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE AL-TERNATIVE FILLER ASSEMBLY MAY BE SUBSTITUTED FOR THE FILLER ASSEMBLY TO COMPLETE A LAYER ON A PALLET.
- L. 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.
- M. FOR DETAILS OF THE WIREBOUND BOX SEE ARDEC DRAWING 12590217.

