## <u>APPENDIX 4</u>

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

CARTRIDGE, 6.5MM, PACKED 460 PER M2 SERIES METAL CONTAINER, 2 CONTAINERS PER WIRE-BOUND BOX, UNITIZED 48 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 14-7/16" L X 12-17/32" W X 8-1/8" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

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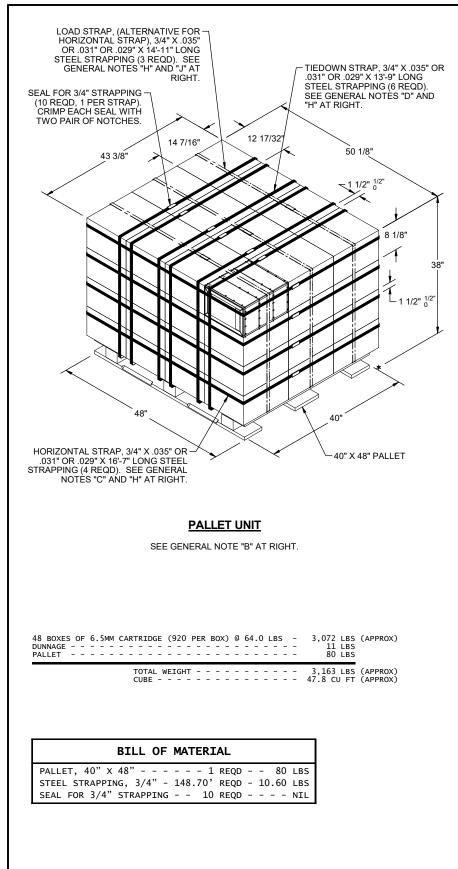
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## U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.J Digitally signed by HANSSEN.JOSEPH. OSEPH.W.13 W1376495538	<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.								
76495538 Date: 2023.01.05 07:56:01 -06'00' FCDD-ACE-LTP APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND WARD.GINA. Digitally signed by WARD.GINA. Digitally signed by	DO NOT SCALE				DECEMBER 2022				
	DESIGN ENGINEER	BASIC	SPENCER HOVEY						
M 1360370808 Date: 2023.03.20 19:01:41		REV.		]					
M. 1309379000 -05'00' AMSJM-MLT	ENGINEERING		FIEFFER.LAUR Digitally signed by						
APPROVED BY ORDER OF COMMANDING GENERAL,	DIVISON		A.A.1230375727 Date: 2022.11.22 07:31:19 -06'00'						
U.S. ARMY MATERIEL COMMAND	TEST ENGINEER		FELICIANO.AD Digitally signed by FELICIANO.ADIN.1259200373	CLASS	DIVISION	DRA	WING	FILE	
BRAILSFORD.KEIT Digitally signed by H.ANTHONY.10286 BRAILSFORD.KEITH.ANTHONY.			IN.1259200373 Date: 2022.11.23 09:17:59			4116/4		20PA1002	
55661 Date: 2023.03.21 07:51:35 -05'00' DEFENSE AMMUNITION CENTER	EXPLOSIVE SAFETY DIRECTORATE		CUMMINS.PAU CUMMINS.PAULA.1231883122 L.A.1231883122 Date: 2022.12.15 12:21:47 -0600'	19	48				

PALLET UNIT DATA								
ITEMS INCLUDED		*HAZARD						
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)				
1305- 01-683-6646	AC58	1.4	S	3,163				

\*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).



## 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. 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 OF EACH LAYER. HORIZONTAL STRAPS MUST BE TEN-SIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK 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 OR LOAD STRAPS, AS APPLICABLE, HAVE BEEN TEN-SIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

END OPENING ISO	
CONTAINER 19	
MILVAN 19	9-48-4166-15PA1003
SIDE OPENING ISO	
CONTAINER 19	9-48-4267-15PA1009

- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF 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 6.5MM 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 SPECIFIED IN THE "PALLET UNIT" AT LEFT. FOUR 1-1/4" TIEDOWN STRAPS WILL REPLACE THE SIX 3/4" TIEDOWN STRAPS SPECIFIED, DELETE THE SECOND AND FIFTH STRAPS. REFER TO GENERAL NOTE "CC" IN THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002 FOR ADDITIONAL GUIDANCE.
- J. LOAD STRAPS MAY BE USED IN LIEU OF HORIZONTAL STRAPS. LOAD STRAPS WILL BE LOCATED AS SHOWN IN THE DETAIL AT LEFT. LOAD STRAPS MAY BE PRE-POSITIONED ON THE PALLET DECK OR THREADED THROUGH STRAP SLOTS. <u>MOTICE</u>: WHEN LOAD STRAPS ARE BEING USED IN LIEU OF HORIZONTAL STRAPS, THE THREE OUTBOARD BOXES ON THE BOTTOM LAYER OF THE 40° SIDES OF THE PALLET WILL BE POSITIONED WITH THE TOPS DOWNWARD AND THE THREE OUT-BOARD BOXES ON THE TOP LAYER OF THE 40° SIDES OF THE PALLET WILL BE POSITIONED WITH THE TOPS UP-WARD. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- 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 DEVCOM DRAWING 13076679.

