## **APPENDIX 60A**

## UNITIZATION PROCEDURES FOR AMMUNITION AND COMPONENTS PACKED IN CYLINDRICAL METAL OR PLASTIC CONTAINERS ON 4-WAY ENTRY METAL PALLETS

2.75" HYDRA ROCKET, PACKED 4 PER M648 CYLIN-DRICAL METAL CONTAINER, UNITIZED 12 PER 78-1/2" X 29-5/16" SPECIAL METAL PALLET; AP-PROX CONTAINER SIZE 78-1/2" L X 9-1/4" W X 9-1/4" H

<u>NOTICE:</u> THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4231-20PA1006.

DISTRIBUTION STATEMENT A

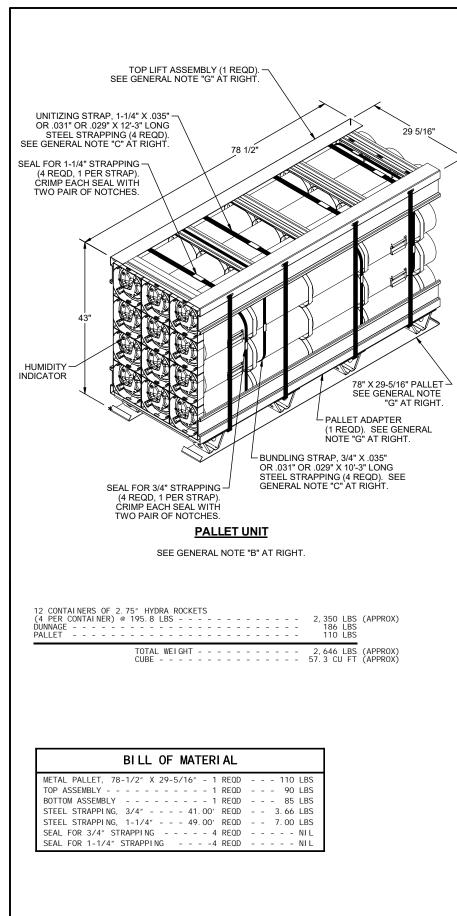
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## U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W.1 376495538 Date: 2020.10.01	<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.								
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APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND WARD.GINA. Digitally signed by WARD.GINA. 1360370808	DESIGN	BASIO	SPENCER HOVEY						
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AMSJM-MLT APPROVED BY ORDER OF COMMANDING GENERAL.	DIVISON		A.A.1230375727 Date: 2020.08.18 07:03:01 -05'00'						
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ANN.1009147639 639 Date: 2020.10.26 09:11:16 -05'00' U.S. ARMY DEFENSE AMMUNITION CENTER	EXPLOSIVE SAFETY DIRECTORATE		THOMAS.CARL.AN THOMAS.CARLAN THONY.1104621372 2132 Date: 2020.08.21 07:52:17 -0500'	19	48	4231/60A		20PM1006	

PALLET UNIT DATA								
ITEMS INCL	UDED	*HAZARD	*COMPATI-	APPROX				
NSN	DODIC	CLASS AND DIVISION	BILITY GROUP	WEIGHT (LBS)				
1340- 01-631-0794	HB16	1. 1	E	2, 646				

\*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 19-48-4231-20PA1006. 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. BUNDLING STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF THE UNITIZING STRAPS. BUNDLING STRAPS MUST ALSO BE INSTALLED AS CLOSE TO THE OUTER RINGS AS POSSIBLE, TO AVOID DAMAGE TO THE CONTAINER.
- D. ALTHOUGH THE CONTAINERS DEPICTED IN THE UNIT LOAD AT LEFT ARE CONSTRUCTED WITH INTERLOCKING DEVICES, THE INTERLOCKS WILL NOT FUNCTION PROPERLY UNLESS THE CONTAINERS ARE POSITIONED SO THAT THE "PINS" OF THE INTERLOCKS ARE FACING UPWARD. THIS ORIENTATION WILL AID IN THE PREVEN-TION OF CONTAINER MOVEMENT, BOTH LATERALLY AND LONGITUNDINALLY, DURING SHIPMENT OF THE UNIT LOAD.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

TRUCKLOADING	19-48-4242/60A-5PM1004 19-48-4243/60A-11PM1004 19-48-4250/60A-1-2-3-4- 14-22PM1004
END OPENING ISO	
CONTAINER	19-48-4245/60A-15PM1009
MILVAN	19-48-4244/60A-15PM1008
SIDE OPENING ISO -	
CONTAINER	19-48-4272/60A-15PM1016

- F. IF ITEMS COVERED HERIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS AP-PENDIX.
- G. FOR DETAILS OF THE PALLET AND PALLET ADAPTERS, SEE DAC DRAWINGS ACV00156, MIL-A-70788 AND MIL-P-70786.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 2.75" HYDRA ROCKETS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE CONTAINER PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- J. EMPTY OR REJECT M648 OR PA151 CONTAINERS WILL BE USED AS FILLER CONTAINERS AS NECESSARY. FILLER CONTAINERS MUST BE INSTALLED IN THE MIDDLE OF THE TOP LAYER(S) OF CONTAINERS. IF THREE FULL CONTAINERS ARE TO BE OMITTED, ONE FULL LAYER OF CONTAINERS WILL BE OMITTED. WHEN (EMPTY/RE-JECTED) FILLER CONTAINERS ARE USED IN PLACE OF OMITTED CONTAINERS TO COMPLETE A LAYER ON A PALLET, THEY WILL BE PAINTED AND MARKED AS SPECI-FIED IN DAC DRAWING ACV00561 AND ARDEC DRAWING 12982865.
- K. FOR DETAILS OF THE M648 CONTAINER SEE AMCOM DRAWING 13723424.

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