APPENDIX 61

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

2.75 INCH HYDRA ROCKET, PACKED 4 PER PA151 SERIES CONTAINER, UNITIZED 12 PER 70-3/4" X 29-5/16" SPECIAL METAL PALLET: APPROX CONTAIN-ER SIZE 70-3/4" L X 9-1/4" W X 9-1/4" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4231-20PM1006.

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U.S. ARMY MATERIEL COMMAND DRAWING APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS REHMSTEDT.MA Digitally signed REHMSTEDT.MA THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. RK.J.1230548400 ou=PKI, ou=USA, cn=REHMSTEDT.MARK.J.1230548400 Date: 2011.07.01 13:19.07-0500' RDAR-EIL-TP DO NOT SCALE APPROVED U.S. ARMY **APRIL 1994** JOINT MUNITIONS COMMAND **ENGINEER** BASIC SANDRA SCHULTZ CASILLAS.GILBE Digitally RT.J.1230393644 DIRECTOR CONCENSION OF CONTROL OF CONTR MADELINE BANKS **TECHNICIAN** RF\/ AMSJM-LIT **REVISION NO. 4 APRIL 2011** TRANSPORTATION APPROVED BY ORDER OF COMMANDING FIEFFER.LAUR **ENGINEERING** GENERAL, U.S ARMY MATERIEL COMMAND SEE THE REVISION LISTING ON PAGE 2 A.A.1230375727 DIVISON CLASS DIVISION DRAWING BARICKMAN TESTED VALIDATION PHILIP.W.123 CARNEY.GARY.BU Digitally signed by CARNEY.GARY.BURTON.1038708038 Digitally signed by CARNEY.GARY.BURTON.1038708038 Digitally signed by CARNEY.GARY.BURTON.1038708038 **ENGINEERING** RTON.1038708038 Ou=PKI, 0u=USA, 0u=USA DIVISON h202202 4231/61 19 48 20PM1006 BEAVER.JERRY BEAVER.JERRY **ENGINEERING** DIRECTORATE .W.1230949952 U.S. ARMY DEFENSE AMMUNITION CENTER

PALLET UNIT DATA					
ITEMS INCLUDED		*HAZARD			
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)	
1340- 01-379-6215 01-379-6302 01-379-6484 01-379-7798 01-379-6277 01-446-7380 01-446-4094 01-567-0419 01-572-6400	H163 H164 H164 H582 H583 HA12 HA13 HA75	1. 1 1. 1 1. 1 1. 1 1. 1 1. 1 1. 1 1. 2. 1 1. 1		2, 029 2, 029 2, 029 2, 029 2, 029 2, 029 2, 113 2, 101 2, 365 2, 115	

^{*}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 MARCH 1996, CONSISTS OF CHANGES PER ECP M5T3003 INCLUDING:

CHANGING GENERAL NOTE "H" (PALLET AND ADAPTER SPECIFICATIONS) ON PAGE 3.

REVISION NO. 2, DATED FEBRUARY 1998, CONSISTS OF CHANGES PER ECP R8A3002 (NO. 1-2) INCLUDING:

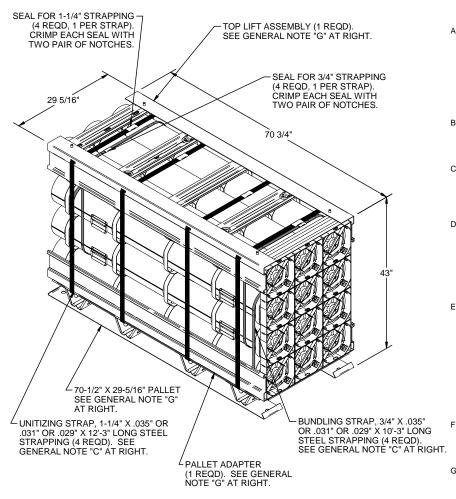
- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) (HA12 AND HA13) AND UPDATING HAZARD
- CLASIFICATION ON "PALLET UNIT DATA" CHART.
 2. CHANGING DODIC FOR 1340-01-379-6277 FROM H163 TO H583.
- 3. DELETING GENERAL NOTE RELATING TO STRAP CUTTER AND RE-LETTERING OTHER GENERAL
- 4. CHANGING GENERAL NOTE CALLING OUT STORAGE DRAWING TO 19-48-4250/61-1-2-3-4-14-22PM1004.

REVISION NO. 3, DATED DECEMBER 2000, CONSISTS OF CHANGES PER ECP R0K3004 (NO. 1-2) AND ECP R1K9000 (NUMBER 3) INCLUDING:

- 1. CHANGING PALLET UNIT ON PAGE 3 TO SHOW 4 POSTS.
- CHANGING TO NEW DRAWING FORMAT.
 DELETING FOUR NSNs (TRAINING ROUNDS).
- CHANGING GENERAL NOTE "J" (FILLER CONTAINERS) ON PAGE 3.

REVISION NO. 4, DATED APRIL 2011, CONSISTS:

- 1. ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO THE "PALLET UNIT DATA" CHART. 2. ADDING .029" THICKNESS STRAPPING TO THE ISOMETRIC LEADER CALLOUTS.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

DUNNAGE	75" HYDRA ROCKETS 175 LBS	- 165 LBS
	TOTAL WEIGHT CUBE	

BILL OF MATERIAL

METAL PALLET, 70-1/2" X 29-5/16" 1 REQD 100 LBS TOP ASSEMBLY - - - - - - - - 1 REQD - 80 LBS BOTTOM ASSEMBLY - - - - - - - 1 REQD - 75 LBS STEEL STRAPPING, 3/4" - - - 41.00' REQD 2.93 LBS STEEL STRAPPING, 1-1/4" - - 49.00' REQD 7.00 LBS SEAL FOR 3/4" STRAPPING - - - 4 REQD - - NIL SEAL FOR 1-1/4" STRAPPING - - - 4 REQD - - NIL

GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4231-20PM1006. 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. 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 THE "PINS" OF THE INTERLOCKS ARE FACING UPWARD. THIS ORIENTATION WILL AID IN THE PREVENTION OF CONTAINER MOVEMENT, BOTH LATERALLY AND LONGITUDINALLY, DURING SHIPMENT OF THE UNIT LOAD.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADI NG - - - - 19-48-4242/61-5PM1004
TRUCKLOADI NG - - 19-48-4243/61-11PM1004
STORAGE - - - 19-48-4250/61-1-2-3-4-1422PM1004
END OPENI NG I SO
CONTAI NER - - - 19-48-4244/61-15PM1009
MI LVAN - - - - 19-48-4244/61-15PM1008
SI DE OPENI NG I SO
CONTAI NER - - - 19-48-4272/61-15PM1016

- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. FOR DETAILS OF THE PALLET AND PALLET ADAPTERS, SEE DAC DRAWING ACV00155, MIL-A-70788 AND MIL-P-70786.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 2.75 INCH HYDRA ROCKETS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE CONTAINER 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 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 OMITTED, ONE FULL LAYER OF CONTAINERS WILL BE OMITTED. WHEN (EMPTY/REJECTED) FILLER CONTAINERS ARE USED IN PLACE OF OMITTED CONTAINERS TO COMPLETE A LAYER ON A PALLET, THEY WILL BE MARKED AS SPECIFIED IN ARDEC DRAWING NO. 12982865.
- K. FOR DETAILS OF THE PA151 CONTAINER SEE ARDEC DRAWING 12937856-1.

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