## APPENDIX 40

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

CARTRIDGE, 75MM, BLANK, PACKED 15 PER WOODEN BOX, UNITIZED 32 BOXES PER 42" X 53" PALLET; APPROX BOX SIZE 22-13/16" L X 13-7/16" W X 10-1/2" H

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

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APPROVED. U.S. ARMY ARMAMENT

ARMY MATERIEL COMMAND DRAWING D. WHITMORE DRAFTSMAN APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND SANDRA M. SCHULTZ ENGINEER JULH TRANSPORTATION ENGINEERING VALIDATION ENGINEERING SUPPLY ENGINEERING NOIZIVID SMCAR-ESK TIMT-JMZMA APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND Esnst NOVEMBER 1983 DIVISION DRAWING FILE CLASS U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL REVISION NO. 3 AUGUST 1994 20PA 4116/ 48 19 1002 40 SEE THE REVISION LISTING ON PAGE 2

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION		ADDDOV
NZN	DODIC	OD CLASS	COMP GROUP	APPROX WEIGHT LBS
1315- 00-096-3087 00-096-3088 00-892-4951 01-307-3944	C025 C025 C025 C025	1.3 1.3 1.3	טטטט	2,625 2,625 2,625 2,177

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 MARCH 1984, CONSISTS OF:

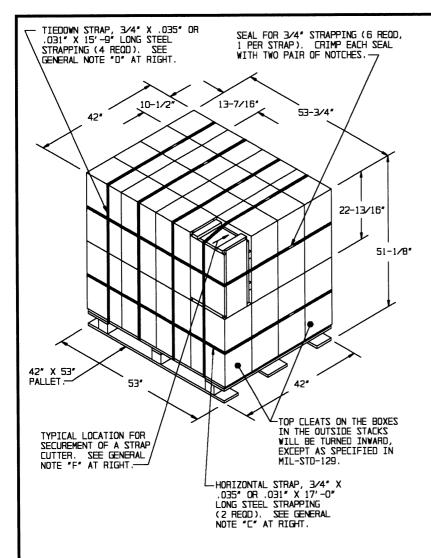
- 1. PLACING BOXES ON A 42" X 53" PALLET.
- 2. UPDATING DRAWING TO CONFORM TO 1 ABOVE.

REVISION NO. 2, DATED JULY 1992, CONSISTS OF:

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

REVISION NO. 3, DATED AUGUST 1994, CONSISTS OF:

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



#### PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

32 BOXES OF 75MM CARTRIDGE (15 PER BOX) AT 79 LBS - 2,528 LBS (APPROX) DUNNAGE - - - - - - - - - - - - - - - - 7 LBS PALLET - - - - - - - - - - 90 LBS

TOTAL WEIGHT - - - - - - - - - - - - 2,625 LBS (APPROX)
CUBE - - - - - - - - - - - - 66.8 CU FT (APPROX)

#### BILL OF MATERIAL

PALLET, 42" X 53" - - - - - 1 REOD - - - - - 90 LBS STEEL STRAPPING, 3/4" - 97.00' REOD - - - - 6.93 LBS SEAL FOR 3/4" STRAPPING - - 6 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. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. 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.

CARLOADING - - - 19-48-4115-5PA1002 TRUCKLOADING - - 19-48-4117-11PA1003 STORAGE - - - 19-48-4118-1-2-3-4-14-22PA1002 END OPENING ISO CONTAINER - - - 19-48-4153-15PA1002 MILVAN - - - - 19-48-4166-15PA1003

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

- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC DRAWING 19-48-4127-2091000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 75MM 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 CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORP AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, THE HORIZONTAL STRAP CORRESPONDING TO THE DELETED LAYER MUST BE OMITTED, AND TIEDOWN STRAP LENGTH MUST BE DECREASED TO 11'-11". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 28-1/4", A GROSS UNIT WEIGHT OF 1,279 POUNDS, AND A UNIT CUBE OF 37.0 CUBIC FEET.
- K. THE STYLE 1B PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDITY

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