APPENDIX 112A

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

M21 ARTILLERY FLASH SIMULATOR, PACKED 162 PER WOODEN BOX, UNITIZED 12 BOXES PER 42" X 53" PALLET; APPROX BOX SIZE 22" L X 15-7/8" W X 21-1/16" H

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

DISTRIBUTION STATEMENT A.

APPROVED FOR PUBLIC RELEASE:
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ARMY MATERIEL COMMAND DRAWING D. WHITMORE DRAFTSMAN APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND APPROVED, U.S. ... CHEMICAL COMMAND NAH ENGINEER SANDRA M. SCHULTZ SUPPLY ENGINEERING TRANSPORTATION VALIDATION ENGINEERING ENGINEERING NOIZIVIO NOIZIVIO AMSTA-AR-ESK AMSMC-TMJ APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND NOVEMBER 1980 CLASS NOIZIVID DRAWING FILE U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL REVISION NO. 4 JANUARY 1995 **20PA** 4116/ 19 48 112A 1002 SEE THE REVISION LISTING ON PAGE 2

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		AND DIVISION ONA		APPROX
NZN	DODIC	OD CLASS	COMP GROUP	WEIGHT LBS
1370- 01-034-1397 01-128-0418 01-344-5849	L602 L602 L709	1.4 1.4 1.3	0 0 0	1,212 1,212 1,212

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 JANUARY 1984, CONSISTS OF:

- 1. ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
- 2. ADDING HAZARD CLASSIFICATION INFORMATION NOTE.

REVISION NO. 2, DATED APRIL 1986, CONSISTS OF:

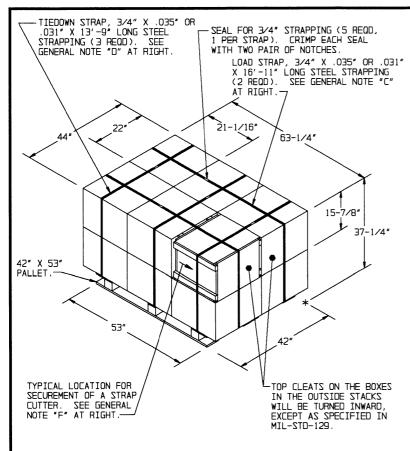
- 1. UPDATING BOX DIMENSION.
- 2. CHANGING PALLET UNIT TO CONFORM TO 1. ABOVE.

REVISION NO. 3, DATED JULY 1992, CONSISTS OF:

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

REVISION NO. 4, DATED JANUARY 1995, CONSISTS OF:

1. CHANGING THE HAZARD CLASS INFORMATION AND WEIGHT FOR TWO NSN'S ON "PALLET UNIT DATA" CHART.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

TOTAL WEIGHT - - - - - - - - - - - 1,212 LBS (APPROX)
CUBE - - - - - - - - - - - - - 60.0 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 42" X 53" - - - - - 1 REOD - - - - - 90 LBS STEEL STRAPPING, 3/4" - 75.08' REOD - - - - 5.36 LBS SEAL FOR 3/4" STRAPPING - - 5 REOD - - - - NIL

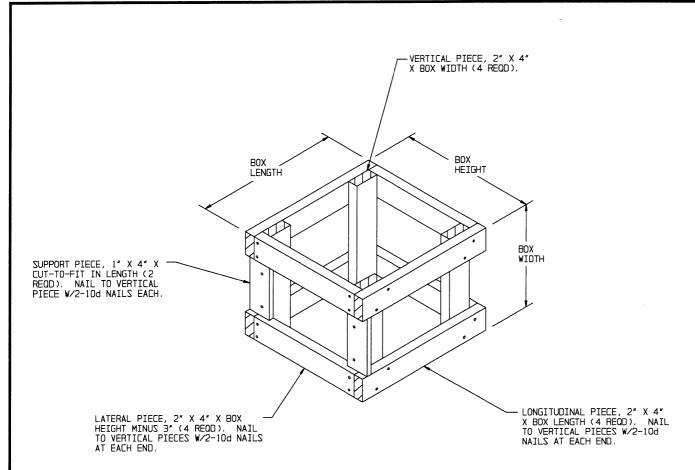
GENERAL NOTES

- 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. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER 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.

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
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 20P1000.
- 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 SIMULATORS 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. THE 63-1/4" WIDTH DIMENSION IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THIS EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED IN THIS APPENDIX, TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.
- 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 APPENDIX.

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FILLER ASSEMBLY

(FOR MINUS ONE BOX)