# APPENDIX 105D

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

SIGNAL KIT, MK188 MOD O OR MK189 MOD O, PACKED 9 PER WOODEN BOX, UNITIZED 12 BOXES PER 35" X 45-1/2" PALLET; APPROX BOX SIZE 31" L X 22-9/16" W X 7-7/8" 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.

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U.S. ARMY MATERIEL COMMAND DRAWING APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND RETTY J. KUNDERT DRAFTSMAN SANDRA M. ENGINEER SUPPLY ENGINEERING TRANSPORTATION VALIDATION ENGINEERING **ENGINEERING** NOIZIVIO LMT-JMZMA AMSTA-AR-ESK APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND SEPTEMBER 1993 NOIZIVID DRAWING FILE CLASS U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL REVISION NO. 1 FEBRUARY 1995 20PA 4116/ 48 19 105D 1002 SEE THE REVISION LISTING ON PAGE 2

DO NOT SCALE

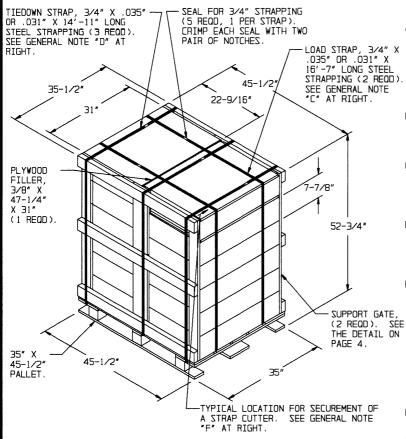
PALLET UNIT DATA					
ITEMS INCLUDED		AND DIVISION ONA		APPROX	
NZN	DODIC	OD CLASS	COMP GROUP	WEIGHT LBS	
1370- 01-366-0343 01-366-0344	L563 L564	1.4 1.4	ى ق	982 1,066	

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).

# REVISION

REVISION NO. 1, DATED FEBRUARY 1995, CONSISTS OF:

- 1. CHANGING BOX SIZE
- 2: ADDING PAGES 3 AND 4 TO CONFORM TO NUMBER 1.



## PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF SIGNALS (9 PER BOX) AT 78 LBS - - - 936 LBS (APPROX)
DUNNAGE - - - - - - - - - - - - - 65 LBS
PALLET - - - - - - - - - - - 55 LBS

TOTAL WEIGHT -----1,066 LBS (APPROX)

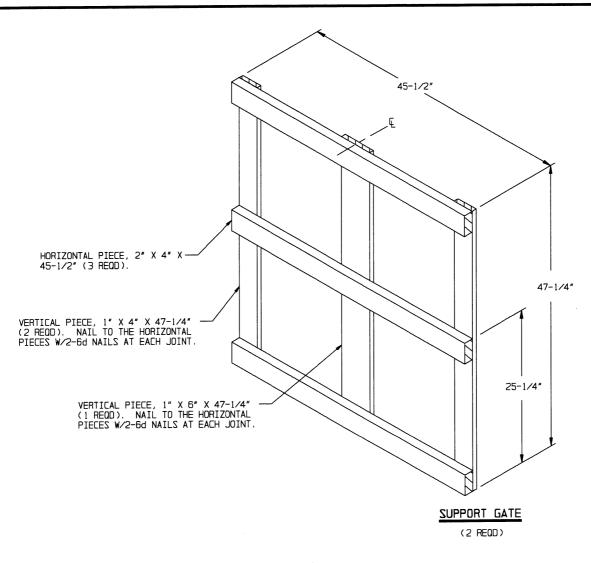
BILL OF MATERIAL					
LUMBER	LINEAR FEET	BOARD FEET			
1" X 4" 1" X 6" 2" X 4"	15.75 7.88 22.75	5.25 3.94 15.17			
NAILS	NO. REOD	POUNDS			
6d (2 <b>"</b> )	36	0.21			
PALLET, 35" X 45-1/2" 1 REOD 65 LBS STEEL STRAPPING, 3/4" - 77.92' REOD 5.57 LBS SEAL FOR 3/4" STRAPPING 5 REOD NIL PLYWOOD, 3/8" 10.17 SQ FT REOD 10.49 LBS					

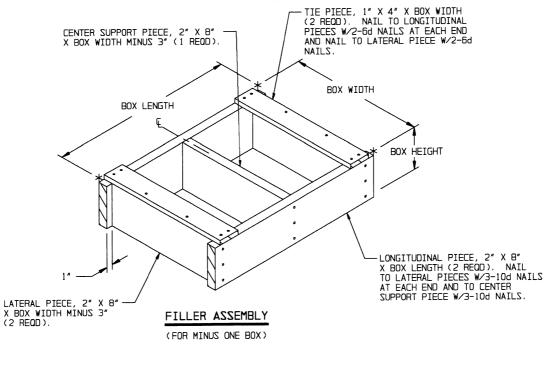
### GENERAL NOTES

- 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 SIGNALS 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 STYLE 1A 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
- K. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "X" IN THE BASIC PROFEDURES.
- L. FOR DETAILS OF THE PPP-B-621, CLASS 2, STYLE 4, TYPE 1 WOODEN BOX REFER TO DRAWINGS 6869831 AND 6869829.





DETAILS

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