

# APPENDIX 120V

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

CHARGE, DEMOLITION, PACKED 1 KIT PER METAL  
BOX, UNITIZED 15 BOXES PER 40" X 48" PALLET;  
APPROX BOX SIZE 42-3/8" L X 9-11/16" W X  
11-9/16" 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:  
DISTRIBUTION IS UNLIMITED.

U. S. ARMY MATERIEL COMMAND DRAWING			
APPROVED, U. S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>NH</i> <i>David E. Stachwick</i> AMSTA-AR-ESK      AMSIO-TMJ	DRAFTSMAN	BETTY J. KUNDERT	
	ENGINEER	SANDRA M. SCHULTZ	
	SUPPLY ENGINEERING DIVISION	TRANSPORTATION ENGINEERING DIVISION	VALIDATION ENGINEERING DIVISION
	<i>J. J. Mikala</i>	<i>W. J. Smith</i>	<i>J. J. Kohn</i>
APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL COMMAND  <i>Larry V. Dudge</i> U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	LOGISTICS ENGINEERING OFFICE <i>William F. Ernst</i>		
	DECEMBER 1982		
	CLASS	DIVISION	DRAWING
REVISION NO. 1	MAY 1996	19	48
SEE THE REVISION LISTING ON PAGE 2		4116/ 120V	20PA 1002

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION ●		APPROX WEIGHT LBS
NSN	DODIC	OD CLASS	COMP GROUP	
1375-00-147-5897	MW52	1.1	D	1,589

- 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

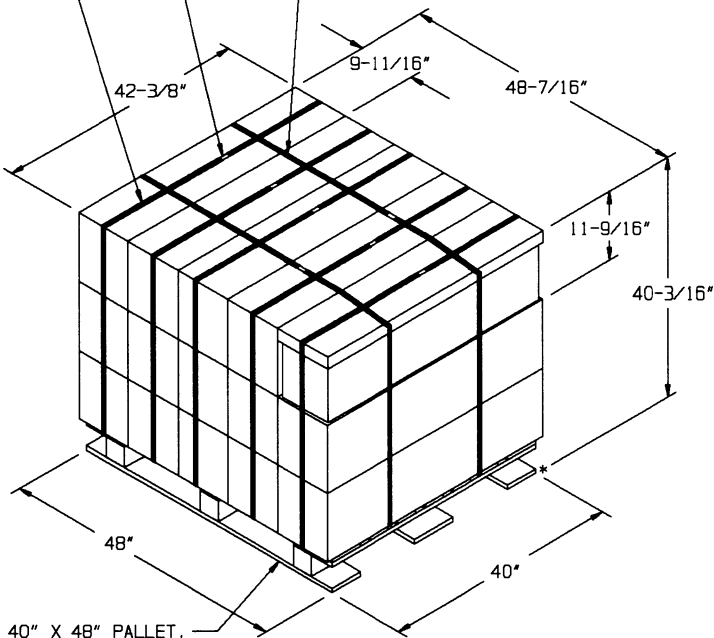
REVISION NO. 1, DATED MAY 1996, CONSISTS OF:

1. CHANGING THE PALLET UNIT DESIGN FROM A 35" X 45-1/2" PALLET TO A 40" X 48" PALLET.
2. CHANGING BOX SIZE.
3. DELETING GENERAL NOTE RELATING TO STRAP CUTTER AND RE-LETTERING OTHER GENERAL NOTES.
4. ADDING METAL BOX DRAWING NUMBER TO GENERAL NOTES.

TIEDOWN STRAP, 3/4" X .035" OR .031" X 14'-0"  
LONG STEEL STRAPPING (5 REQD). SEE GENERAL  
NOTE "D" AT RIGHT.

SEAL FOR 3/4" STRAPPING  
(7 REQD, 1 PER STRAP).  
CRIMP EACH SEAL WITH  
TWO PAIR OF NOTCHES.

LOAD STRAP, 3/4" A .035" OR .031"  
X 15'-0" LONG STEEL STRAPPING  
(2 REQD). SEE GENERAL NOTE  
"C" AT RIGHT.



**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

15 BOXES OF CHARGES (3 PER BOX) AT 100 LBS	-----	1,500 LBS (APPROX)
DUNNAGE	-----	9 LBS
PALLET	-----	80 LBS

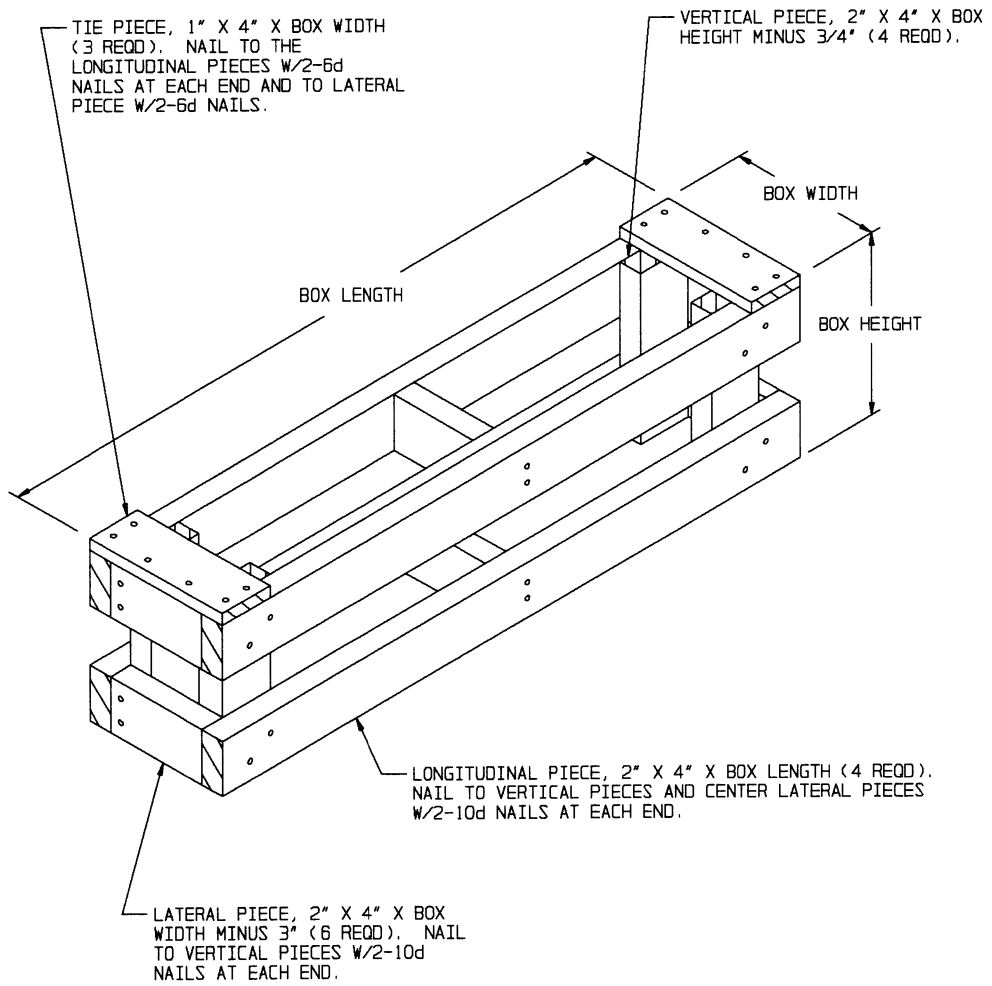
TOTAL WEIGHT	-----	1,589 LBS (APPROX)
CUBE	-----	47.8 CU FT (APPROX)

**BILL OF MATERIAL**

PALLET, 40" X 48"	-----	1 REQD	-----	80 LBS
STEEL STRAPPING, 3/4"	-----	100.00' REQD	-----	8.51 LBS
SEAL FOR 3/4" STRAPPING	-----	7 REQD	-----	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. NOTE THAT THE STRAPS WILL 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 COMMERCIAL CONTAINER - - - - 19-48-4267-15PA1009
- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING SHEET DEMOLITION CHARGES 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.
- H. THE STYLE 1 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.
- J. FOR DETAILS OF THE METAL BOX SEE DRAWING 2499824.



**FILLER ASSEMBLY**  
 (FOR MINUS ONE BOX)