# **APPENDIX 106C**

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

CARTRIDGE, PHOTOFLASH, PACKED 26 PER WOODEN BOX, UNITIZED 60 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 16-3/16" L X 9-1/4" W X 10-1/4" 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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### U.S. ARMY MATERIEL COMMAND DRAWING OPERATIONS SUPPORT COMMAND NLT APPROVED, U.S. ARMY CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL/DET THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. DO NOT SCALE **MARCH 1983** BASIC WILLIAM R. FRERICHS ENGINEER OR **TECHNICIAN** LAURA A. FIEFFER **REVISION NO. 2 DECEMBER 2002** APPROVED BY ORDER OF COMMANDING GENERAL, TRANSPORTATION U.S. ARMY MATERIEL COMMAND **ENGINEERING** SEE THE REVISION LISTING ON PAGE 2 DIVISION VALIDATION CLASS DIVISION DRAWING ENGINEERING W DIVISION 4116/ 19 48 20PA1002 ENGINEERING ( 106C DIRECTORATE U.S. ARMY DEFENSE AMMUNITION CENTER

PALLET UNIT DATA						
ITEMS INCLUDED		●HAZARD				
NSN	DODIC	CLASS AND DIVISION	COMPAT- ABILITY GROUP	APPROX WEIGHT LBS		
1370- 00-429-6159	L145	INERT		3, 395		

 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).

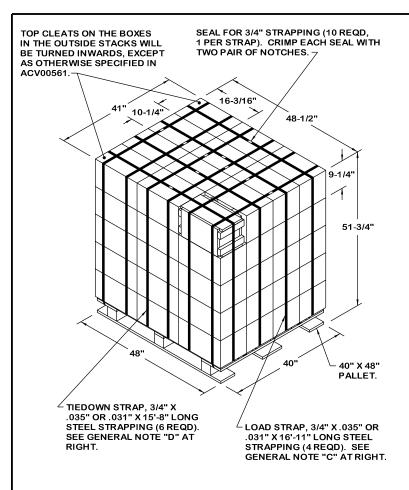
## **REVISIONS**

REVISION NO. 1, DATED MAY 1986, CONSISTS OF:

- 1. UPDATING THE "PALLET UNIT DATA CHART".
- 2. CHANGING BOX DIMENSIONS.
- 3. CHANGING PALLET UNIT TO CONFORM WITH 2 ABOVE.

REVISION NO. 2, DATED DECEMBER 2002, CONSISTS OF:

- 1. CHANGING THE DODIC IN THE "PALLET UNIT DATA CHART".
- 2. UPDATING DRAWING FORMAT.



### **PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

DUNNAGE	 R BOX) @ 55 LBS	15 LBS
		3,395 LBS (APPROX) 59.6 CU FT (APPROX)

### BILL OF MATERIAL

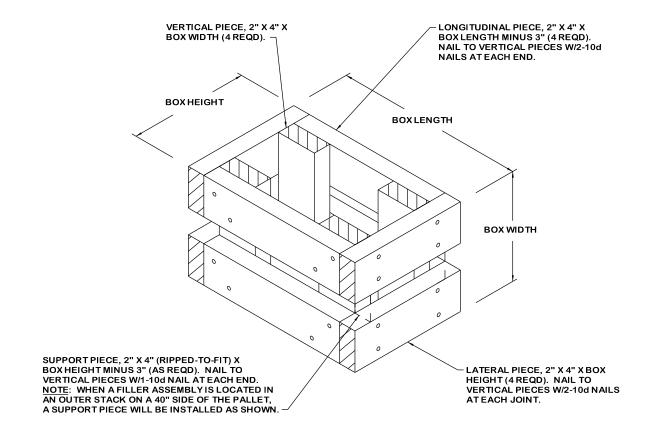
PALLET, 40" X 48" - - - - - 1 REQD - - - - 80 LBS STEEL STRAPPING, 3/4" - 161.67' REQD - - - 14.43 LBS SEAL FOR 3/4" STRAPPING - - 10 REQD - - - - - NIL

### **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 THE 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.

- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING PHOTOFLASH 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.
- H. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 14'-1", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 15'-4". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 42-1/2", A GROSS UNIT WEIGHT OF 2,733 POUNDS, AND A UNIT CUBE OF 48.9 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- J. 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.
- K. FOR DETAIL OF THE WOODEN BOX SEE AIR FORCE SPI

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### **FILLER ASSEMBLY**

(FOR MINUS ONE BOX)