# APPENDIX 151A

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

CARTRIDGE, IMPULSE, PACKED VARIOUS QUANTITIES PER WOODEN BOX, UNITIZED 12 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 20 & L X 18 & W X 17 & H

PALLET UNIT DATA							
ITEMS INC	LUDED	HAZARD CLASSIFICATION ●				WEIGHT	
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)	
1377 - 00-516-9924	M187	С	т	1,4	С	1,034	
00-585-9291	M189	c	Ī	1.4	c	1,214	

### REVISIONS

REVISION NO. 1, DATED MARCH 1985, CONSISTS OF:

- ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
- 2. UPDATING DRAWING.

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

• 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			DRAFTSMAN SW	bh		uu	
I MAR 85		·e\$/	SMCAR-ESK AMSMC-THO	GAS		MA &		
	MAR 85	WEE	William 7 Emst	COMMAND. U.S. ARMY ARHAMENT, MUNITIONS AND CHEMICAL  MONTHS BO Grade				
					Y ORDER			AL, U. S. ARMY MAND (DARCOM)
				U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHO				
				U. S. ARMY DARCOM DRAWING				
				APRIL 1984				
Ĺ				CLASS	DIVIS	ION	DRAWING	FILE
				19	4	В	4116/ 151A	20PA 1002

DO NOT SCALE

## SEAL FOR 3/4' LOAD STRAP, 3/4" X .035" OR .031" X 16'-2" LONG STEEL STRAPPING ( 2 REQD ). SEE GENERAL NOTE "D" AT RIGHT. STRAPPING (5 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES. 40<u>1</u>" 17 8 20 lg TIEDOWN STRAF 3/4" X .035" OR .031" X 14'-0" 18<sup>5</sup> LONG STEEL STRAPPING (3 REQD ). SEE GENERAL NOTE 423 "C" AT RIGHT: 40" X 48" PALLET. **\** 48" 40" TYPICAL LOCATION FOR SECUREMENT OF A STRAP CUTTER. SEE GENERAL NOTE "F" AT RIGHT.

## PALLET UNIT SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF IMPULSE CARTRIDGES (125 DUNNAGEPALLET		6 LI	BS
TOTAL	WEIGHT	1,214 L	BS (APPROX)

BILL OF MAT	ERIAL	
PALLET, 40" X 48"	REQD 5,31 I	LBS

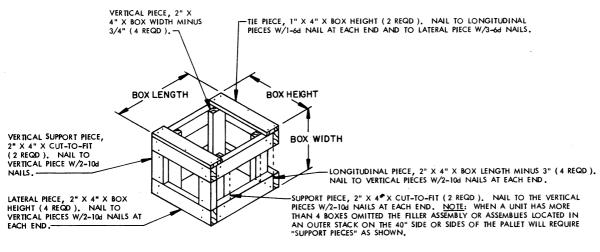
CUBE -

#### **GENERAL NOTES**

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-484116-20PA1002. 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 TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL BE APPLIED BUT NOT TENSIONED UNTIL THE LOAD STRAPS HAVE BEEN TEN-SIONED AND SEALED.
- D. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF THE PALLET OR PREPOSITIONED ON THE PALLET DECK. LOAD STRAPS WILL BE TENSIONED AND SEALED PRIOR TO TIEDOWN STRAPS.
- E. THE FOLLOWING AMC (DARCOM) DRAWINGS ARE APPLICABLE FOR OUT-LOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING ---- DRAWING 19-48-4115-5PA1002 TRUCKLOADING --- DRAWING 19-48-4117-11PA1003 STORAGE ----- DRAWING 19-48-4118-1-2-3-4-14-22PA1002

- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM 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 IMPULSE CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE TITLE PAGE, 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 I 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 THE ITEMS COVERED BY THIS APPENDIX. IF THE PALLET TO BE USED DOES NOT HAVE STRAP SLOTS, HOWEVER, THE LOAD STRAPS MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE BOXES ON THE PALLET.



----- 52.7 CU FT (APPROX)

FILLER ASSEMBLY