## APPENDIX 44F

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

CARTRIDGE, 90MM, PACKED 2 PER WOODEN BOX, UNITIZED 28 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE  $32\frac{7}{8}$ " L X  $10\frac{1}{8}$ " W X  $6\frac{1}{2}$ " H

		PALLE	T UNIT D	ATA		
ITEMS INC	LUDED	HAZ	ARD CLA	SSIFICAT	TION ①	WEIGHT
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
1315- 00-068-8472 00-892-4307 00-889-2019	C 282 C 282 C 283	A A B	IV IV II-B	(12) 1, 2 (12) 1, 2 (08) 1, 2	E E C	1, 428 1, 428 1, 428

### REVISIONS

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

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

REVISION NO. 2, DATED JANUARY 1987, CONSISTS OF:

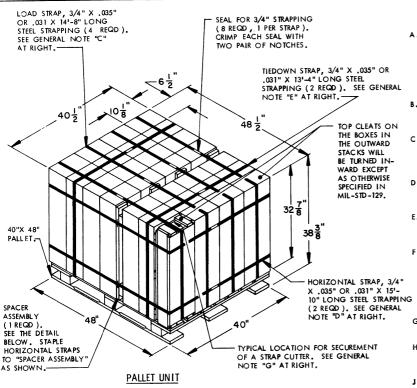
- 1. CHANGING BOX DIMENSIONS.
- 2. UPDATING PALLET UNIT TO CONFORM TO 1 ABOVE.

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).

		REVIS	SIONS	Diw /	HATT WR	FLWRF F	KI.
		1.6/	Westing Barkon	GRG/	M.A.	Ernet	
'	AUG 86	11/12	John L. Bend	1		MENT MATERIEL REA	DINESS COMMAND
2		ey/	Martin Catilon and SHICAR-ESK AMSHIC-THO	DRSAR - LE	Martin	DRSARZTME	Plakow
Ľ	JAN 87	W WIE	Willing FErnet	APPROVED E	Y ORDER OF COM	MANDING GENERAL READINESS DOMM	U.S. ARMY
		/	L	WUSA	ARMY DEFENSE AL	MMUNITION CENTER	AND SCHOOL
				U. S. A	ARMY DA	ARCOM D	RAWING
					OCTO	BER 19	82
				CLASS	DIVISION	DRAWING	FILE
				19	48	4116/	20PA
1				ויפו	40	44F	1002

**DO NOT SCALE** 

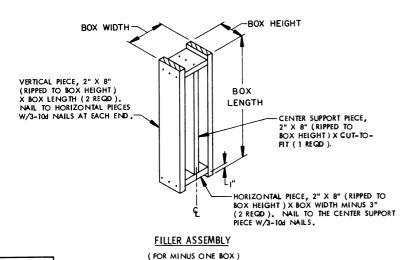


#### SEE GENERAL NOTE "B" AT RIGHT.

28 BOXES OF 90MM CARTRIDGE ( 2 PER BOX)@ 47 LBS 1,316 LBS (APPROX)	
DUNNAGE 32 LBS	
PALLET 80 LBS	

TO TAL WEIGHT ------- 1,428 LBS (APPROX )
CUBE ----- 43.6 CU FT (APPROX )

LUMBER	LINEAR FEET	BOARD FEET	
2" X 4"	17.42		
NAILS	NO . REQD	POUNDS	
10d (3")	16	0.25	



### **GENERAL NOTES**

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CON-JUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA102. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELIN-EATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PRO-CEDURES 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 WILL BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF HORIZONTAL STRAPS
- D. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE THE LAYER OF BOXES ON THE PALLET, HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRICE TO APPLICATION OF TIEDOWN STRAPS.
- E. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.
- F. THE FOLLOWING AMC (DARCOM) DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

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

- G. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- H. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- J. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 90MM 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.
- K. IF THERE IS A NEED TO USE FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAN TWENTY-FOUR FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT, ADDITIONAL FILLERS CAN BE PUT IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF TWENTY-FOUR FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISFY THE TOTAL REDUCTION NEEDED. USING TWO PALLET UNITS TO SATISFY THE PALLET-IZATION CRITERIA APPLICABLE TO LESS-THAN-FULL PALLET UNITS IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNITS.
- L. 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 THE ITEMS COVERED BY THIS APPENDIX.

