## APPENDIX 121B

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

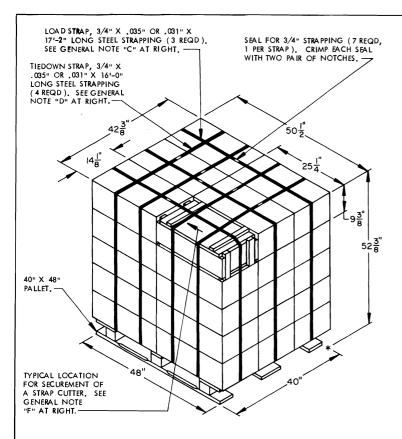
CAP, BLASTING, ELECTRIC, M4, PACKED 30 PER WOODEN BOX, UNITIZED 30 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE  $25\frac{1}{4}$ " L X  $14\frac{1}{8}$ " W X  $9\frac{3}{8}$ " H

PALLET UNIT DATA							
ITEMS IN	ICLUDED	HAZARD CLASSIFICATION				WEIGHT	
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)	
1375- 00-180-9474	M078	Α	VIII	1, 1	В	2, 489	

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

REVISIONS				m2k &	BF LIW		
			RSH /		Se ENGRG OFFICE		
	/_		APPROVED,		BO Skaken		
			DRBAR-LE	·	DRSAR	TMD	
			APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)				
			US ARMY DEFENSE AMMINITION CENTER AND SCHOOL				
	V		U. S. ARMY DARCOM DRAWING				
			FEBRUARY 1983				
			CLASS	DIVISIO	ON DRAWII	NG	FILE
			4.0		4116	/	20PA
			19	48	121	В	1002

DO NOT SCALE



## PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

30 BOXES OF BLASTING CAP (30 PER BOX ) @ 80 LBS			(APPROX)	
DUNNAGE	,	LBS		
PA LLET	- 80	LBS		
TOTAL WEIGHT	2 489	IRS	(APPROX)	
CUBE				<b>(</b> )

BILL OF MATERIAL		
PALLET, 40" X 48" 1 REQD	80	LBS
STEEL STRAPPING, 3/4" 115.50' REQD	8.25	LBS
SEAL EOR 3/4" STRAPPING	NI	1

## 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 WILL BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL BE TENSIONED AND SEALED PRIOR TO LOAD STRAPS.
- E. THE FOLLOWING DRACOM DRAWINGS ARE APPLICABLE FOR OUTLOADING 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 APPENDEY, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDEY.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING BLASTING CAPS 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. 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'-5", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 15'-9". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 43", A GROSS UNIT WEIGHT OF 2,008 POUNDS, AND A UNIT CUBE OF 53.3 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER, CONVENTIONAL VAN TRAILER OR CONVENTIONAL OR HIGH-CAPACITY BOXCAR. 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.

