## APPENDIX 121K

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

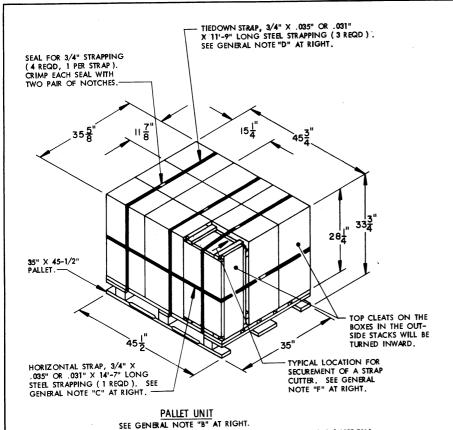
CAP, BLASTING, PACKED 500 PER WOODEN BOX, UNITIZED 9 BOXES PER 35" X  $45\frac{1}{2}$ " PALLET; APPROX BOX SIZE  $28\frac{1}{4}$ " L X  $15\frac{1}{4}$ " W X  $11\frac{7}{8}$ " H

PALLET UNIT DATA									
ITEMS INCLUDED		HAZARD CLASSIFICATION .				WEIGHT			
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)			
1375- 00-028-5224	M130	A	ΔШ	1. 1	В	762			

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 DEFENSE AMMUNITION CENTER AND SCHOOL			
	U. S. ARMY DARCOM DRAWING			
	DECEMBER 1982			
	CLASS	DIVISION	DRAWING	FILE
	19	48	4116/ 121K	20PA 1002

**DO NOT SCALE** 



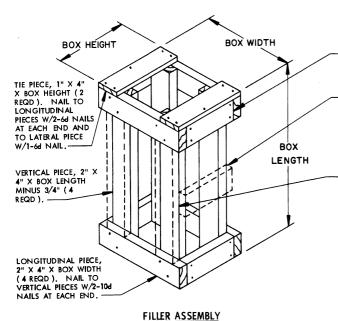
BILL OF MATERIAL	
DALLET 25" V 45-1/2" 1 REQD	 65 LBS
PALLET, 33 A 43 1/2	 3.56 LBS
SEAL FOR 3/4" STRAPPING 4 REQD	 NIL

9 BOXES OF BLASTING CAP (500 PER BOX) @ 77 LBS ----- 693 LBS (APPROX) 

65 LBS

31.8 CU FT ( APPROX )

TOTAL WEIGHT ----- 762 LBS ( APPROX )



## **GENERAL NOTES**

- 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
- 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.
- INSTALL THE HORIZONTAL STRAP TO ENCIRCLE THE LAYER OF BOXES ON THE PALLET. HORIZONTAL STRAP MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIE-
- INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAP HAS BEEN TENSIONED AND D. SEALED.
- THE FOLLOWING DARCOM 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-CARLOADING STORAGE -----14-22PA1002

- FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSU-ANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- 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 FIREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS
- IF THERE IS A NEED TO USE FILLER ASSEMBLIES AND AT
- IF THERE IS A NEED TO USE FILLER ASSEMBLIES AND AT LEAST TWO PALLETS ARE BEING CONSTRUCTED, NOT MORE THAN 5 FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT, A DODITIONAL FILLERS CAN BE PUT IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF 5 FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISIFY THE TOTAL REDUCTION NEEDED, USING TWO PALLET UNITS TO SATISFY THE PALLETIZATION 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 UNIT. LATERAL PIECE, 2" X 4" X BOX AN HEIGHT MINUS 3" (4 REQD). NAIL TO THE VERTICAL PIECES W/2-10d

-STRAP BEARING PIECE, 2" X 4" X BOX HEIGHT MINUS 3" (AS REQD), NAIL TO VERTICAL PIECES W/2-10d NAILS AT EACH END. NOTE: WHEN A UNIT HAS MORE THAN ONE BOX OMITTED, THE FILLER ASSEMBLY OR ASSEMBLIES LOCATED IN AN OUTER STACK ON THE 35" SIDE OR SIDES OF THE PALLET WILL REQUIRE A "STRAP BEARING PIECE" UNDER THE HORIZONTAL STRAP. STAPLE STRAP TO "STRAP BEARING PIECE".

NAILS AT EACH END.

FILLER PIECE, 2" X 4" X CUT-TO-FIT (AS REQD). NAIL TO THE VERTICAL PIECES W/3-10d NAILS. NOTE: WHEN A UNIT HAS MORE THAN THREE BOXES OMITTED, THE FILLER ASSEMBLY OR ASSEMBLIES LOCATED IN AN OUTER STACK ON THE 45-1/2" SIDE OR SIDES OF THE PALLET UNIT WILL REQUIRE "FILLER PIECES" AS SHOWN.

PALLET -----

(FOR MINUS ONE BOX )