APPENDIX 117

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

SMOKE POT, PACKED ONE PER STEEL DRUM, UNITIZED 27 DRUMS PER 40" X 48" PALLET; DRUM SIZE 13 7 DIA X 15 1 H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION •				WEIGHT
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
1365- 01-096-1455	K867	С	II -E	1,3	G	1,470

REVISION

REVISION NO. 1 DATED AUGUST 1988, CONSISTS OF:

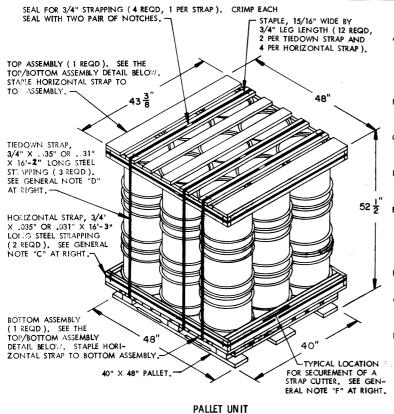
- 1. CHANGING DRUM DIAMETER,
- 2. UPDATING PALLET UNIT TO CONFORM TO 1. ABOVE.

THE 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).

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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				APPROVED E	Y ORSER OF COL	MANUAL SENERAL	U. S. ARMY
		17		9	U.S. AMBY DEFE	AMMANTION O	ENTER AND SCHOOL
			U. S.	ARMY D	DARCOM	DRAWING	
					MAY	1980	
	<u> </u>			CLASS	DIVISION	DRAWING	FILE
			10	40	4116/	20PA	
				19	48	117	1002

DO NOT SCALE



SEE GENERAL NOTE "B" AT RIGHT,

DUNNAGE 94 LBS PALLET 80 LBS	27 DRUMS OF SMOKE POTS (1 PER DRUM) @ 48 LBS	1,296 LBS (APPRO	OX)
PALLET 80 LBS	DUNNAGE	94 LBS	
	PALLET	80 LBS	

1" X 4"		
1" X 6" 2" X 4"	52,15 14,46 27,92	17,38 7,23 18,61
NAILS	NO. REQD	POUNDS
%d ((2")) 10d (3")	102 20	0.60 0.31

SUPPORT PIECE, 2" X 4" X 9-3/8"

X 9-3/6 (2 REQD).

LATERAL PIECE, 2" X 4" X 9-3/8"

(4 REQD). NAIL TO SUPPORT

PIECE W/2-10d NAILS.

I3 7"

I3 8"

LONGITUDINAL PIECE,
2" X 4" X 12-3/8"

(4 REQD). NAIL TO
NAIL

NAILS AT EACH END.

FILLER PIECE, 2" X 4"

X 8-1/2" (4 REQD).

RECES W/2-10d NAILS AT

EACH END AND TO FILLER

PIECE W/2-10d NAILS AT

EACH END AND TO FILLER

PIECE W/2-10d NAILS.

FILLER ASSEMBLY

- STOP PIECE, 1/2" (FOR MINUS ONE DRUM)

(ACTUAL) X 4" X

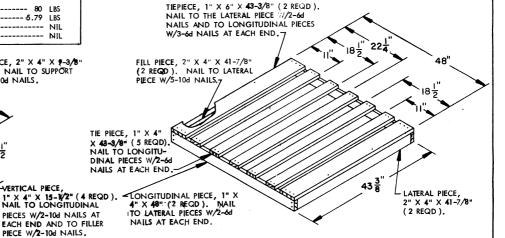
12-3/8" (1 REQD). NAIL TO THE LATERAL PIECES
W/2-64 NAILS AT EACH END AND TO THE SUPPORT
PIECE W/2-64 NAILS.

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 DRUMS AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE EACH DUNNAGE ASSEMBLY.
 HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION
 OF TENOWN STRAPS
- D. 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 STRAPS HAVE BEEN TENSIONED AND SEALED.
- THE FOLLOWING AMC: (**DARCOM!) DRAWINGS ARE EXPLICABLE 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 19-48-4118-1-2-14-22PA1002

- 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 DRUMS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING SMOKE POTS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE ITILE PAGE, PROVIDED THE DRUM DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- I. IF THERE IS A NEED TO USE FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAN 5 FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT. ADDITIONAL FILLERS CAN BE PLACED IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF 5 FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISFY THE TOTAL REDUCTION NEEDED. ALSO, THE FILLERS MUST BE INSTALLED ONLY IN THE TOP LAYER OF THE PALLET UNIT. 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 OBTAIN AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.
- K. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MILP-15011 WHEN USED FOR THE UNITIZATION OF THE ITEMS COVERED BY THIS APPENDIX.



TOP/BOTTOM ASSEMBLY

NAIL EACH BOTTOM ASSEMBLY TIE PIECE TO PALLET DECK W/2-6d NAILS.