

APPENDIX 156W

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

FUZE, POINT DETONATING, M567, PACKED 40 PER
WIREBOUND BOX, UNITIZED 27 BOXES PER 35" X 45½"
PALLET; APPROX BOX SIZE 15⅛" L X 11¼" W X 14¾" H

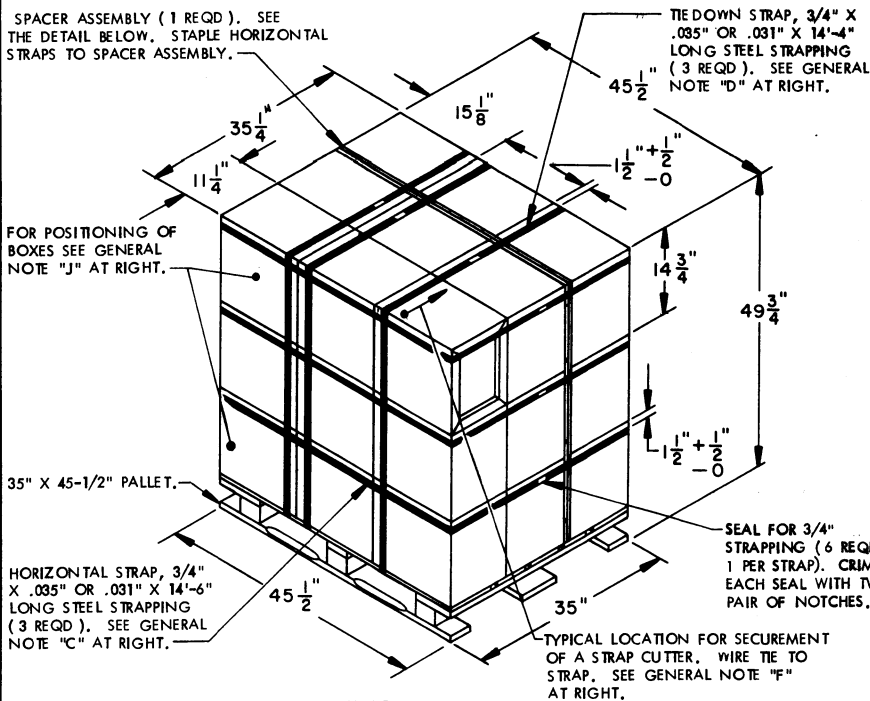
PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ①				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1390-00-182-3029	N334	A	VI	1.1	B	1,847

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

① 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 LAF/WRE	PROJ ENG LAF/WRE
				<i>GAS</i>	<i>W. E. Ernst</i>
				APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND RH <i>W. Martin</i>	LOG ENGRG OFFICE <i>W. E. Ernst</i>
				SMCAR - ESK	AMBIC - TMO
				APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIAL COMMAND (AMC) <i>William A. Ernest</i> U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
U.S. ARMY AMC DRAWING					
JANUARY 1988					
				CLASS	DIVISION
				DRAWING	FILE
				19	48
				4116/ 156W	20PA 1002

DO NOT SCALE



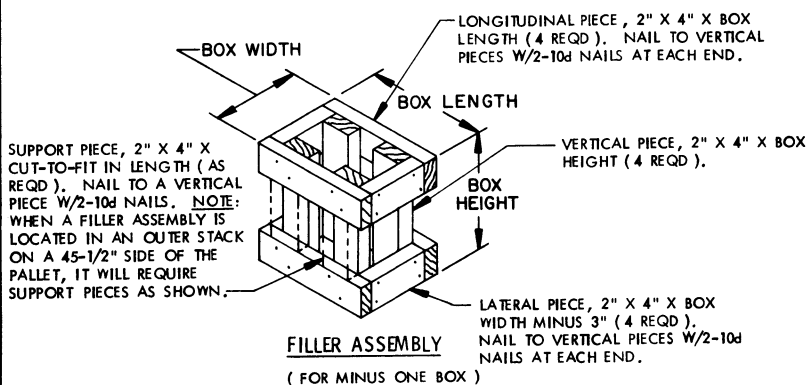
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

27 BOXES OF FUZES (40 PER BOX) @ 65 LBS ----- 1,755 LBS (APPROX)
 DUNNAGE ----- 27 LBS
 PALLET ----- 65 LBS

TOTAL WEIGHT ----- 1,847 LBS (APPROX)
 CUBE ----- 46.2 CU FT (APPROX)

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	29.83	9.94
NAILS	N.O. REQD	POUNDS
6d (2")	32	0.19
PALLET, 35" X 45-1/2" ----- 1 REQD ----- 65 LBS		
STEEL STRAPPING, 3/4" ----- 86.50 REQD ----- 6.18 LBS		
SEAL FOR 3/4" STRAPPING ----- 6 REQD ----- NIL		
STAPLE, 15/16" X 3/4" ----- 6 REQD ----- NIL		



FILLER ASSEMBLY

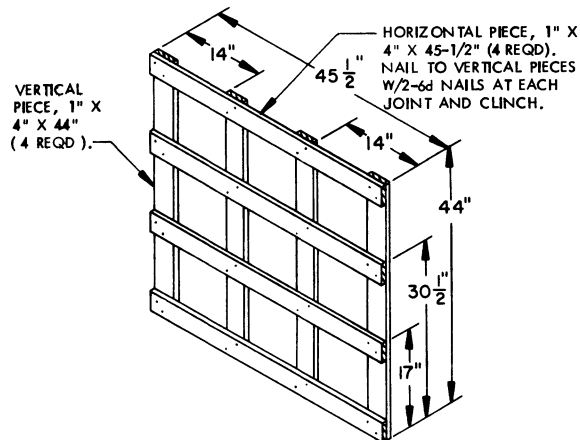
(FOR MINUS ONE BOX)

(GENERAL NOTES CONTINUED)

L. THE STYLE 1A PALLET DELINEATED IN THE DETAIL ABOVE 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.

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. INSTALL THE HORIZONTAL STRAP TO ENCIRCLE A LAYER OF BOXES ON THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, NEAR THE TOP OF THE BOXES. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN 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.
- E. THE FOLLOWING AMC (DARCOM) DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF 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 19-48-4127-20P 1000.
- 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 FUZES 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. POSITION THE THREE OUTBOARD BOXES ON EACH SIDE OF THE BOTTOM LAYER OF THE UNIT WITH THE TOP DOWNWARD, AND THE THREE OUTBOARD BOXES ON EACH SIDE OF THE TOP LAYER OF THE UNIT WITH THE TOP UPWARD.
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, ONE HORIZONTAL STRAP MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 11"-11", AND THE SPACER ASSEMBLY MUST BE MODIFIED. SPACER ASSEMBLY MODIFICATIONS INCLUDE CHANGING THE VERTICAL PIECE LENGTH TO 29", ELIMINATING ONE HORIZONTAL PIECE, AND LOCATING THE UPPER HORIZONTAL PIECE EVEN WITH THE TOP OF THE VERTICAL PIECES. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 35", A GROSS UNIT WEIGHT OF 1,254 POUNDS, AND A UNIT CUBE OF 32.5 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON THE ECONOMICS OF TRANSPORTATION AND HANDLING.



SPACER ASSEMBLY

(ONE REQD)