

APPENDIX 119

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

SHAPED CHARGES, LINEAR, PACKED VARIOUS
QUANTITIES PER WOODEN BOX, UNITIZED 77
BOXES PER 40" X 48" PALLET; APPROX BOX
SIZE 50-1/2" L X 5-1/2" W X 2-1/16" H

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

DISTRIBUTION STATEMENT A.

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FEBRUARY 1980			
REVISION NO. 6	AUGUST 1994	CLASS	DIVISION
SEE THE REVISION LISTING ON PAGE 2		DRAWING	FILE
		19	48
		4116/ 119	20PA 1002

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION ●		APPROX WEIGHT LBS
NSN	DDIC	OD CLASS	COMP GROUP	
1375-				
01-083-2820	ML09	1.1	D	1,102
01-299-5872	ML09	1.1	D	1,103
01-082-9919	ML10	1.1	D	1,179
01-299-5873	ML10	1.1	D	1,180
01-082-9920	ML11	1.1	D	1,179
01-300-3911	ML11	1.1	D	1,180
01-083-2822	ML12	1.1	D	1,256
01-299-5874	ML12	1.1	D	1,257
01-082-9921	ML13	1.1	D	1,333
01-300-5201	ML13	1.1	D	1,334
01-082-9922	ML14	1.1	D	1,296
01-299-4158	ML14	1.1	D	1,334
01-082-9923	ML15	1.1	D	1,719
01-299-4153	ML15	1.1	D	1,488
01-082-9924	ML16	1.1	D	1,719
01-299-4154	ML16	1.1	D	1,488
01-083-6325	ML17	1.1	D	1,488
01-299-4156	ML17	1.1	D	1,565
01-082-9925	ML18	1.1	D	1,642
01-299-4157	ML18	1.1	D	1,642
01-083-2821	ML19	1.1	D	1,642
01-299-4155	ML19	1.1	D	1,719

● 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

REVISION NO. 1, DATED SEPTEMBER 1984, CONSISTS OF:

1. REMOVING TWO BOXES FROM THE PALLET UNIT.
2. ADDING SPACER.

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

1. UPDATING PALLET UNIT TO CONFORM TO NEW SUPPLY REQUIREMENTS.

REVISION NO. 3, DATED OCTOBER 1987, CONSISTS OF:

1. ADDING GENERAL NOTE "N".

REVISION NO. 4, DATED JULY 1989, CONSISTS OF:

1. UPDATING PALLET UNIT TO CONFORM TO NEW SUPPLY REQUIREMENTS.

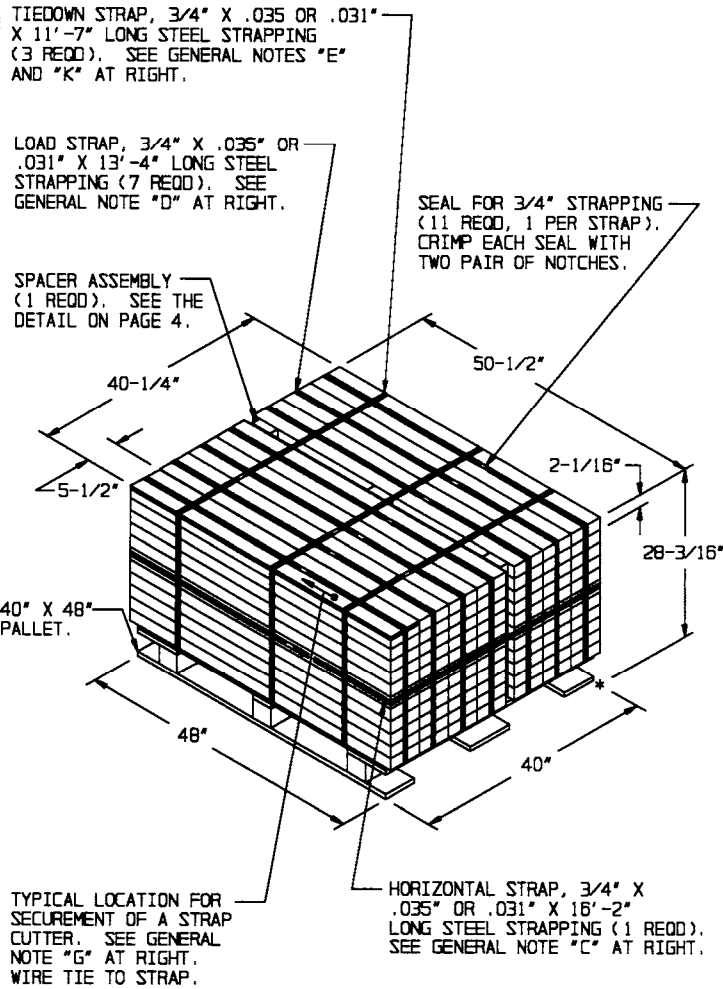
REVISION NO. 5, DATED AUGUST 1990, CONSISTS OF:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.

REVISION NO. 6, DATED AUGUST 1994, CONSISTS OF:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
2. CHANGING WEIGHT OF ITEM IN "PALLET UNIT DATA" CHART.

GENERAL NOTES



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

77 BOXES OF SHAPED CHARGES (5 PER BOX) @ 21 LBS - 1,617 LBS (APPROX)
 DUNNAGE - - - - - 22 LBS
 PALLET - - - - - 80 LBS

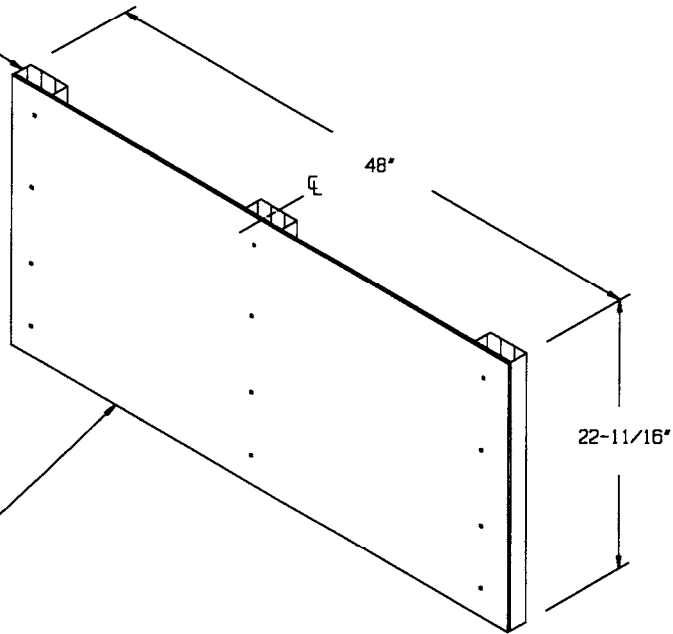
TOTAL WEIGHT - - - - - 1,719 LBS (APPROX)
 CUBE - - - - - 33.2 CU FT (APPROX)

- 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 HORIZONTAL STRAP TO BE LOCATED AS SHOWN. HORIZONTAL STRAP MUST BE TENSIONED AND SEALED PRIOR TO TENSIONING LOAD STRAPS.
- D. 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 TIEDOWN STRAPS.
- E. 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 LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- F. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
 - CARLOADING - - - - 19-48-4115-5PA1002
 - TRUCKLOADING - - - - 19-48-4117-11PA1003
 - STORAGE - - - - - 19-48-4118-1-2-3-4-14-22PA1002
 - END OPENING ISO
 - CONTAINER - - - - 19-48-4153-15PA1002
 - MILVAN - - - - - 19-48-4166-15PA1003
 - SIDE OPENING ISO
 - CONTAINER - - - - 19-48-4267-15PA1009
- G. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC 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 SHAPED CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, 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. WHEN THE TOTAL WEIGHT OF A 77-BOX UNIT IS 1,400 POUNDS OR LESS, ONLY 2 TIEDOWN STRAPS WILL BE REQUIRED TO RETAIN THE BOXES ON THE PALLET. OMIT THE MIDDLE TIEDOWN STRAP IN THE DETAIL AT LEFT.
- 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 ITEMS COVERED BY THIS APPENDIX.

BILL OF MATERIAL

LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	5.67	3.78
NAILS	NO. REQD	POUNDS
4d (1-1/2")	12	NIL
PALLET, 40" X 48"	1 REQD	80 LBS
STEEL STRAPPING, 3/4"	128.08' REQD	9.15 LBS
SEAL FOR 3/4" STRAPPING	11 REQD	NIL
PLYWOOD, 1/4"	7.56 SQ FT REQD	5.20 LBS

VERTICAL PIECE, 2" X 4"
X 22-11/16" (3 REQD).

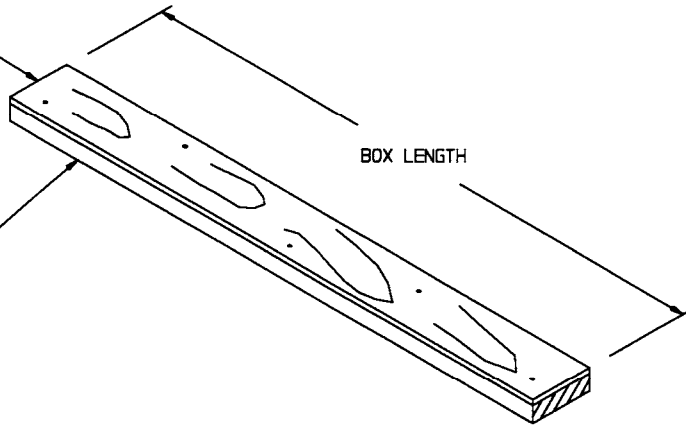


BEARING PIECE, PLYWOOD, 1/4" X
22-11/16" X 48" (1 REQD). NAIL TO
THE VERTICAL PIECES W/4-4d
NAILS AT EACH LOCATION.

SPACER ASSEMBLY

(1 REQD)

PLYWOOD, 1/2" X 5-1/2"
X BOX LENGTH (1 REQD).
LAMINATE TO THE LONGITUDINAL
PIECE W/5-6d NAILS.



LONGITUDINAL PIECE, 2" X 6"
X BOX LENGTH (1 REQD).

FILLER ASSEMBLY

(FOR MINUS ONE BOX)