

APPENDIX 170

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

METAL BOX, M2A1, EMPTY, PACKED 12 PER
FIBERBOARD BOX, UNITIZED 12 BOXES PER 35" X
45 $\frac{1}{2}$ " PALLET; APPROX BOX SIZE 24 $\frac{5}{16}$ " L X 18 $\frac{7}{8}$ " W
X 15 $\frac{1}{4}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
8140- 00-960-1699	—	—	—	—	—	814

REVISION

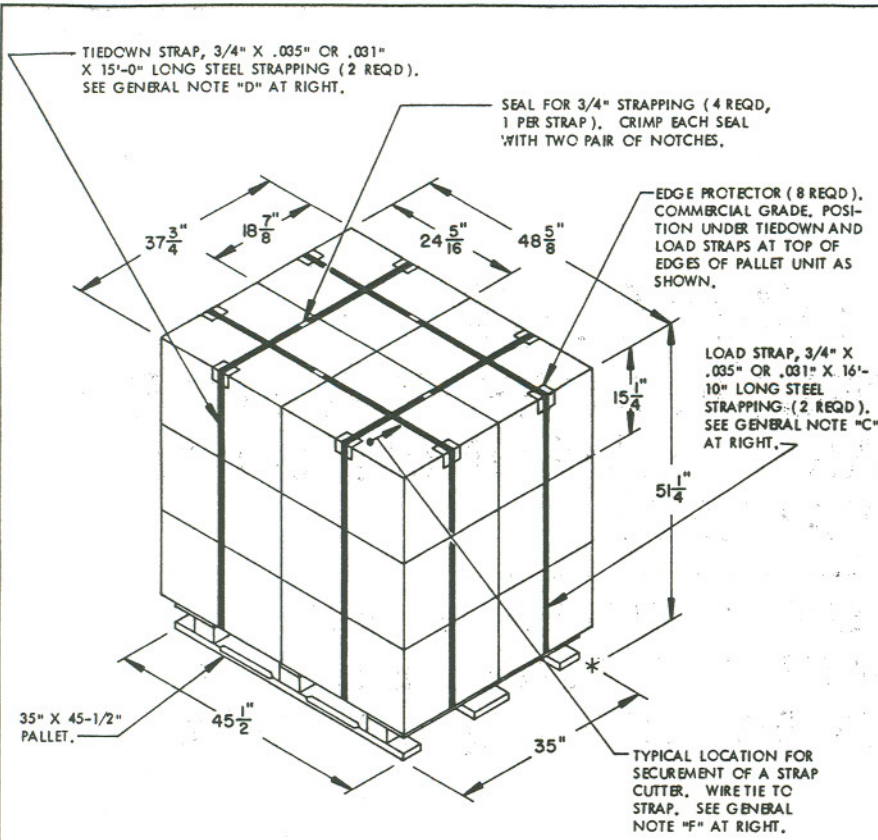
REVISION NO. 1, DATED AUGUST 1986, CONSISTS OF:

1. ADDING GENERAL NOTE "H".
2. UPDATING BOX WEIGHT.

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

REVISIONS		DRAFTSMAN <i>Div</i>	LOG PT <i>PT</i>	PROJ ENG <i>WRE/JES</i>
1	AUG 86	<i>GRS</i>	<i>WJ Ernst</i>	<i>WJ Ernst</i>
		<small>CHCAB-ERK AMSC-TMD</small>	<small>APPROVED, U. S. ARMY ARMAMENT MATERIEL READINESS COMMAND LOG ENGRG OFFICE</small>	
		<small>DRSAR - LEP DRSAR - TMD</small>		
		<small>APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)</small>		
		<small>U. S. ARMY AMMUNITION CENTER AND SCHOOL</small>		
U. S. ARMY DARCOM DRAWING				
JANUARY 1982				
CLASS	DIVISION	DRAWING	FILE	
19	48	4116/ 170	20PA 1002	

DO NOT SCALE



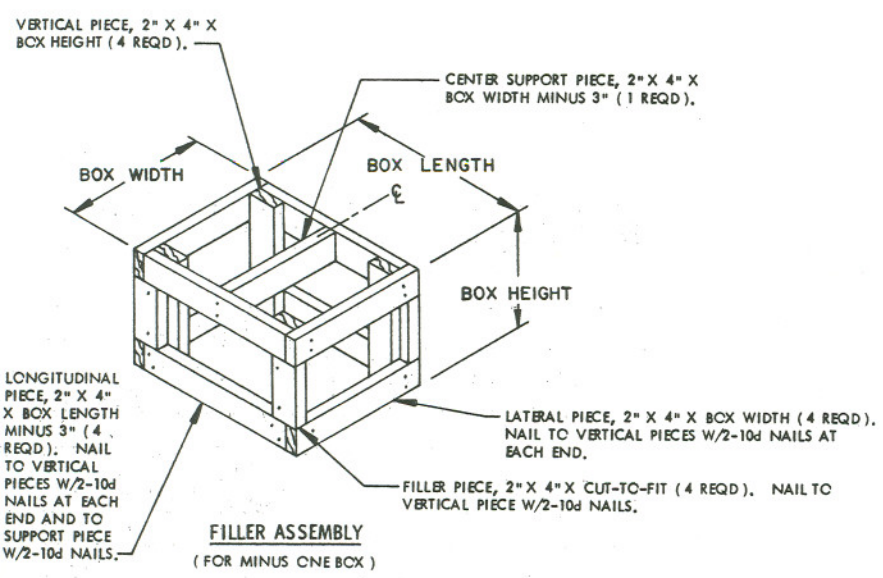
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF M2A1 METAL BOXES (12 PER BOX) @ 62 LBS	-----	744 LBS
DUNNAGE	-----	5 LBS
PALLET	-----	65 LBS
TOTAL WEIGHT	-----	814 LBS (APPROX)
CUBE	-----	54.4 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 35" X 45-1/2"	-----	1 REQD	-----	65 LBS
STEEL STRAPPING, 3/4"	-----	63.67' REQD	-----	4.55 LBS
SEAL FOR 3/4" STRAPPING	-----	4 REQD	-----	NIL
EDGE PROTECTOR	-----	8 REQD	-----	NIL



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 MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR 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.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC (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 19-48-4118-1-2-3-4-14-22 20PA1002
- 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 BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER, ONE LAYER OF BOXES MAY BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12'-6", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-4". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 36", A GROSS UNIT WEIGHT OF 565 POUNDS, AND A UNIT CUBE OF 38.2 CUBIC FEET. 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.