

APPENDIX 96

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

**FUZE, MINE, PACKED 144 OR 180 PER WOODEN
BOX, UNITIZED 27 BOXES PER 35" X 45-1/2" PAL-
LET; APPROX BOX SIZE 16-1/8" L X 14-3/4" W X
13-1/4" H**

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 MATERIEL COMMAND DRAWING

<p style="font-size: small;">APPROVED, U.S. ARMY FIELD SUPPORT COMMAND</p> <p style="font-size: x-large; font-family: cursive;"><i>David C. Puskas</i></p> <p style="font-size: x-small;">AMSRS-AAR-AIL-TP</p>	<p>CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p>			
<p style="font-size: x-large; font-family: cursive;"><i>David Puskas</i></p> <p style="font-size: x-small;">AMSFS-ST</p> <p style="font-size: small;">APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p>	<p>DO NOT SCALE</p>		<p>NOVEMBER 1983</p>	
<p style="font-size: x-large; font-family: cursive;"><i>[Signature]</i></p> <p style="font-size: x-small;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	ENGINEER OR TECHNICIAN	BASIC REV.	<p>ROBERT A. REGAZZI</p> <p>LAURA A. FIEFFER</p>	
<p style="font-size: x-large; font-family: cursive;"><i>[Signature]</i></p>	TRANSPORTATION ENGINEERING DIVISION	TESTED	<p>G. L. Willis</p>	
<p style="font-size: x-large; font-family: cursive;"><i>[Signature]</i></p>	VALIDATION ENGINEERING DIVISION	TESTED	CLASS	DIVISION
<p style="font-size: x-large; font-family: cursive;"><i>[Signature]</i></p>	ENGINEERING DIRECTORATE	TESTED	DRAWING	FILE
			19	48
			4116/96	20PA1002
			<p>REVISION NO. 1 MAY 2005</p> <p>SEE THE REVISION LISTING ON PAGE 2</p>	

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1345-				
00-028-5078	K050	1.4	D	1,289
00-028-5122	K050	1.4	D	1,559
00-028-5130	K051	1.4	G	1,748

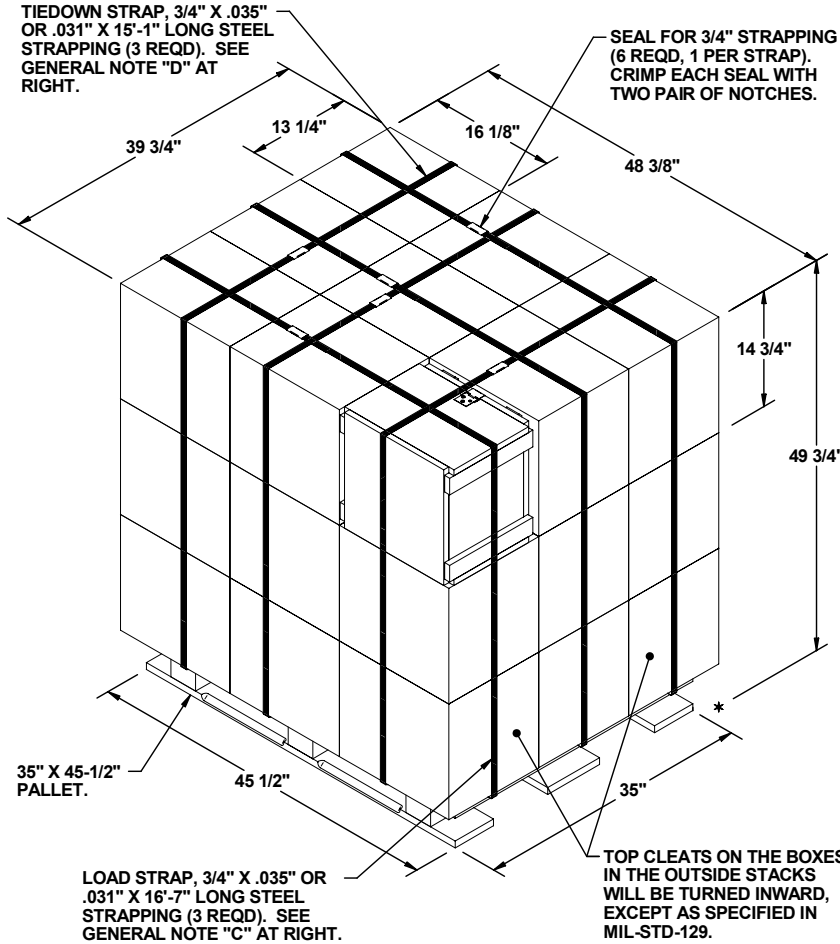
*HAZARD AND CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISION

REVISION NO. 1, DATED MAY 2005, CONSISTS OF:

1. UPDATING INFORMATION IN "PALLET UNIT DATA" CHART.
2. CHANGING BOX SIZE AND QUANTITY.
3. ELIMINATING GENERAL NOTE AND LEADERED NOTE REFERRING TO STRAP CUTTER.
4. UPDATING DRAWING FORMAT.

GENERAL NOTES



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

27 BOXES OF MINE FUZES (180 PER BOX) @ 62 LBS	-----	1,674 LBS
DUNNAGE	-----	9 LBS
PALLET	-----	65 LBS

TOTAL WEIGHT	-----	1,748 LBS (APPROX)
CUBE	-----	55.4 CU FT (APPROX)

BILL OF MATERIAL

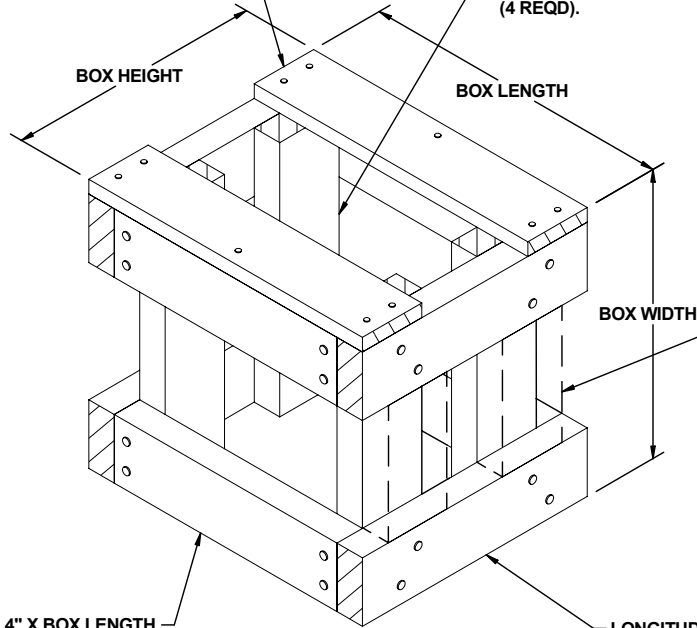
PALLET, 35" X 45-1/2"	-----	1 REQD	-----	65 LBS
STEEL STRAPPING, 3/4"	-----	95.00' REQD	-----	8.48 LBS
SEAL FOR 3/4" STRAPPING	-----	6 REQD	-----	NIL

- 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 MUST 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.
- 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 LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR UNLOADING 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
- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING MINE FUZES 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.
- H. THE STYLE 1A 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.
- J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12'-8", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-1". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 35", A GROSS UNIT WEIGHT OF 1,189 POUNDS, AND A UNIT CUBE OF 38.9 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER, VAN TRAILER, OR BOXCAR. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- K. THE 39-3/4" LENGTH DIMENSION 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.
- L. FOR DETAILS OF THE MIL-B-2427 WOODEN BOX SEE ARDEC DRAWINGS 7548395 AND 9347174.

TIE PIECE, 1" X 4" X BOX LENGTH (2 REQD).
NAIL TO LONGITUDINAL PIECES W/2-6d
NAILS AT EACH END AND TO LATERAL
PIECE W/1-6d NAIL.

VERTICAL PIECE, 2" X 4"
X BOX WIDTH MINUS 3/4"
(4 REQD).



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

LATERAL PIECE, 2" X 4" X BOX LENGTH
MINUS 3" (4 REQD). NAIL TO VERTICAL
PIECES W/2-10d NAILS AT EACH END.

LONGITUDINAL PIECE, 2" X 4" X
BOX HEIGHT (4 REQD). NAIL TO
VERTICAL PIECES W/2-10d NAILS
AT EACH JOINT.

FILLER ASSEMBLY
(FOR MINUS ONE BOX)