

# APPENDIX 127J

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

**CORD, DETONATING, PACKED 2,000 FEET PER  
WOODEN BOX, UNITIZED 12 BOXES PER 42" X 53"  
PALLET; APPROX BOX SIZE 29-3/4" L X 15-1/4" W X  
17-7/16" 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="text-align: center;">APPROVED, U.S. ARMY FIELD SUPPORT COMMAND</p> <p style="text-align: center;"><i>David A. Puskonik</i> AMSRS-AAR-AIL-TP</p>	<p><b>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.</b></p>						
<p style="text-align: center;">APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p style="text-align: center;"><i>Charles P. Stoo</i> U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<p><b>DO NOT SCALE</b></p>		<p><b>JUNE 1982</b></p>				
<p style="text-align: center;">AMSFS-ST</p>	<p>ENGINEER OR TECHNICIAN</p>	<p>BASIC REV.</p>	<p><b>WILLIAM R. FRERICHS</b> <b>LAURA A. FIEFFER</b></p>				
<p>TRANSPORTATION ENGINEERING DIVISION</p> <p style="text-align: center;"><i>G. L. Willis</i></p>		<p>TESTED</p> <p style="text-align: center;"><i>[Signature]</i></p>		<p>REVISION NO. 4</p>	<p>JUNE 2005</p>		
<p><b>SEE THE REVISION LISTING ON PAGE 2</b></p>				<p>CLASS</p>	<p>DIVISION</p>	<p>DRAWING</p>	<p>FILE</p>
<p>VALIDATION ENGINEERING DIVISION</p> <p style="text-align: center;"><i>[Signature]</i></p>		<p>ENGINEERING DIRECTORATE</p> <p style="text-align: center;"><i>[Signature]</i></p>		<p>19</p>	<p>48</p>	<p>4116/ 127J</p>	<p>20PA1002</p>

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1375-00-310-2678	M457	1.1	D	1,452

\*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).

### REVISIONS

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

1. CHANGING BOX DIMENSIONS.
2. UPDATING DRAWING FORMAT.

REVISION NO. 2, DATED MARCH 1985, CONSISTS OF:

1. CHANGING BOX DIMENSIONS AND WEIGHT.
2. DELETING SIX BOXES FROM THE PALLET UNIT.
3. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 AND 2 ABOVE.

REVISION NO. 3, DATED JULY 1995, CONSISTS OF:

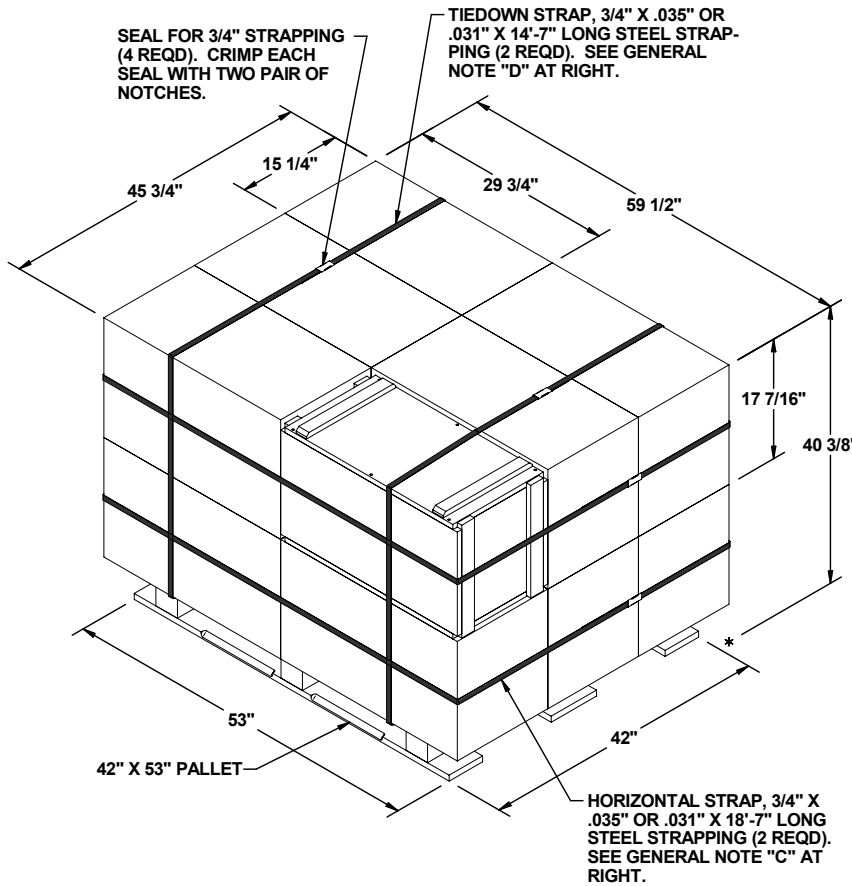
1. CHANGING THE TITLE ON THE COVER SHEET.
2. CHANGING THE CLASSIFICATION OF THE "PALLET UNIT DATA CHART".

REVISION NO. 4, DATED JUNE 2005, CONSISTS OF:

DELETING REFERENCE TO STRAP CUTTER (GENERAL NOTE "F").

**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 EACH HORIZONTAL STRAP TO ENCIrcLE A LAYER OF BOXES ON THE PALLET. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE 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 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
- 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 DETONATING CORD 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 1B 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. THE 45-3/4" LENGTH AND THE 59-1/2" WIDTH DIMENSIONS ARE AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTIONS ARE NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.
- K. FOR DETAILS OF THE MIL-B-2427 WOODEN BOX SEE MIL-DTL-17124.

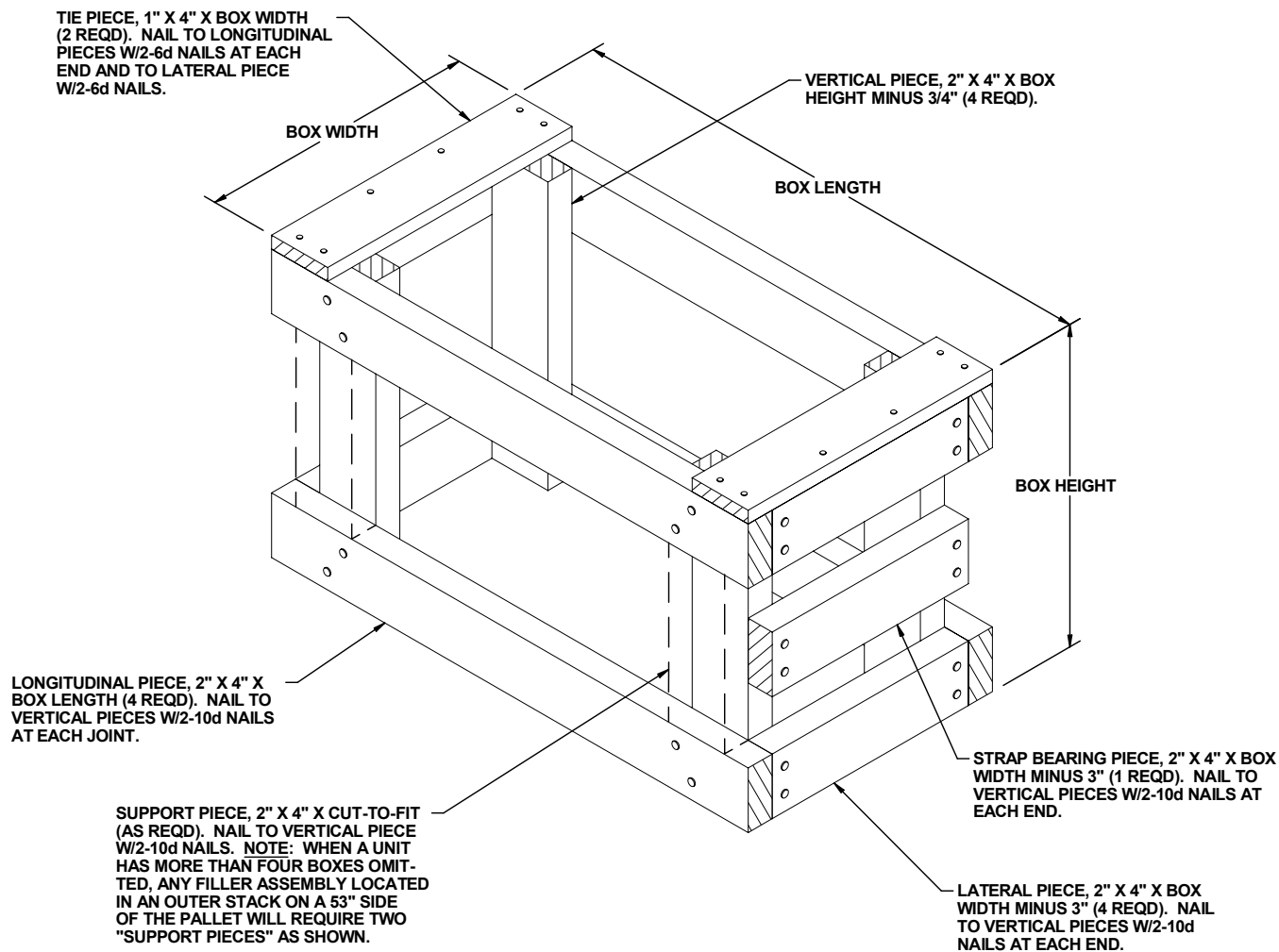


**PALLET UNIT**  
SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF DETONATING CORD (2000' PER BOX) @ 113 LBS	--	1,356 LBS
DUNNAGE	-----	6 LBS
PALLET	-----	90 LBS

TOTAL WEIGHT	-----	1,452 LBS (APPROX)
CUBE	-----	63.6 CU FT (APPROX)

BILL OF MATERIAL		
PALLET, 42" X 53"	----- 1 REQD	----- 90 LBS
STEEL STRAPPING, 3/4"	- 66.33' REQD	----- 5.92 LBS
SEAL FOR 3/4" STRAPPING	- - - 4 REQD	----- NIL



**FILLER ASSEMBLY**  
(FOR MINUS ONE BOX)