

# APPENDIX 152

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

**CARTRIDGE, NON-LETHAL FIRING DEVICE, TASER  
XP25, PACKED 250 PER WOODEN BOX, UNITIZED 18  
BOXES PER 40" X 48" PALLET; APPROX BOX SIZE  
26-1/4" L X 15" W X 15-1/4" 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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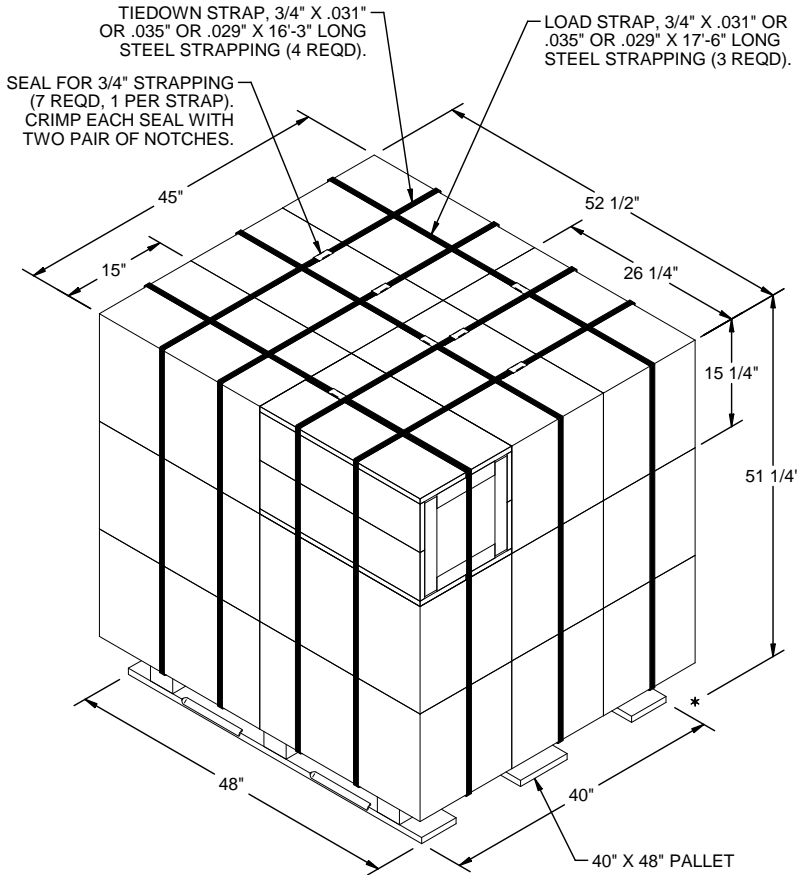
### U.S. ARMY MATERIEL COMMAND DRAWING

<p><b>APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND</b></p> <p>REHMSTEDT.MA RK.J.1230548400</p> <p style="font-size: small;">Digitally signed by REHMSTEDT.MARK.J.1230548400 DN: cn=US, ou=U.S. Government, ou=DoD, ou=PKI, ou=USA, c=US, email=REHMSTEDT.MARK.J.1230548400 Date: 2012.01.19 06:58:48 -0500</p> <p style="text-align: right;"><b>RDAR-EIL-TP</b></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>		<b>FEBRUARY 2012</b>				
<p><b>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</b></p> <p>CASILLAS.GILBE RT.J.1230393644</p> <p style="font-size: small;">Digitally signed by CASILLAS.GILBERT.J.1230393644 DN: cn=US, ou=U.S. Government, ou=DoD, ou=PKI, ou=USA, c=US, email=CASILLAS.GILBERT.J.1230393644 Date: 2012.01.23 14:03:59 -0500</p> <p style="text-align: right;"><b>AMSJM-LIT</b></p>	<p><b>DO NOT SCALE</b></p>	<p><b>ENGINEER OR TECHNICIAN</b></p>	<p><b>BASIC REV.</b></p>	<p><b>LAURA A. FIEFFER</b></p>			
<p><b>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</b></p> <p>WILLIAMS.KENY ON.L.1231212392</p> <p style="font-size: small;">Digitally signed by WILLIAMS.KENYON.L.1231212392 DN: cn=US, ou=U.S. Government, ou=DoD, ou=PKI, ou=USA, c=US, email=WILLIAMS.KENYON.L.1231212392 Date: 2012.01.25 14:17:16 -0500</p> <p style="text-align: center;"><b>U.S. ARMY DEFENSE AMMUNITION CENTER</b></p>	<p><b>TRANSPORTATION ENGINEERING DIVISION</b></p> <p>FIEFFER.LAUR A.A.1230375727</p> <p style="font-size: small;">Digitally signed by FIEFFER.LAURA.A.1230375727 DN: cn=US, ou=U.S. Government, ou=DoD, ou=PKI, ou=USA, c=US, email=FIEFFER.LAURA.A.1230375727 Date: 2012.01.19 07:20:10 -0500</p>	<p><b>VALIDATION ENGINEERING DIVISION</b></p> <p>BARICKMAN. PHILIP.W.123 0202202</p> <p style="font-size: small;">Digitally signed by BARICKMAN.PHILIP.W.1230202202 DN: cn=US, ou=U.S. Government, ou=DoD, ou=PKI, ou=USA, c=US, email=BARICKMAN.PHILIP.W.1230202202 Date: 2012.01.17 09:38:34 -0500</p>	<p><b>TESTED</b></p>	<p><b>CLASS</b></p>	<p><b>DIVISION</b></p>	<p><b>DRAWING</b></p>	<p><b>FILE</b></p>
		<p><b>19</b></p>	<p><b>48</b></p>	<p><b>4116/152</b></p>	<p><b>20PA1002</b></p>		

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1377-01-595-5104	JN17	N. R.	S	1,441

\*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).

**GENERAL NOTES**



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

18 BOXES OF TASER CARTRIDGES (250 PER BOX) @ 75 LBS	--	1,350 LBS
DUNNAGE	----	11 LBS
PALLET	----	80 LBS
<b>TOTAL WEIGHT</b>		<b>1,441 LBS (APPROX)</b>
<b>CUBE</b>		<b>70.1 CU FT (APPROX)</b>

BILL OF MATERIAL	
PALLET, 40" X 48"	1 REQD - - - - - 80 LBS
STEEL STRAPPING, 3/4"	117.50' REQD - - - - - 10.49 LBS
SEAL FOR 3/4" STRAPPING	7 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 MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE 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 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 APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING TASER AIR CARTRIDGES 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 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.
- 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 13'-8", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-11". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 36", A GROSS UNIT WEIGHT OF 989 POUNDS, AND A UNIT CUBE OF 49.3 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. FOR DETAILS OF THE ASTM D6880 WOOD BOX SEE AR DEC DRAWING 13037168.

TIE PIECE, 1" X 4" X BOX WIDTH  
(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  
HEIGHT MINUS 3/4"(4 REQD).

BOX WIDTH

BOX LENGTH

FILL PIECE, 2" X 4" BY CUT-TO-FIT  
IN LENGTH (AS REQD). NAIL TO  
VERTICAL PIECE W/2-10d NAILS.  
WHEN A UNIT HAS MORE THAN  
TWO BOXES OMITTED, A FILLER  
ASSEMBLY LOCATED IN AN OUTER  
STACK ON THE 48" SIDE OF THE  
PALLET WILL REQUIRE FILL PIECES  
AS SHOWN.

BOX HEIGHT

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

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

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