

APPENDIX 156G

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

**FUZE, PROXIMITY, M732, PACKED 16 PER WIRE-
BOUND BOX, UNITIZED 36 BOXES PER 40" X 48"
PALLET; APPROX BOX SIZE 14 5/8" L x 12 13/16" W X
8 9/16" 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>APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND <i>Travis</i> <i>David A. Piskorski</i> AMSRD-AAR-AIL-TP(R)</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>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND <i>Scott Alan</i> AMSJM-LIT</p>	<p>DO NOT SCALE</p>		<p>NOVEMBER 1983</p>								
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>Gary B Carney</i> U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<p>ENGINEER OR TECHNICIAN</p> <p>TRANSPORTATION ENGINEERING DIVISION</p> <p>VALIDATION ENGINEERING DIVISION</p> <p>ENGINEERING DIRECTORATE</p>	<p>BASIC REV.</p> <p>GEORGE B. FECKE RANDY DUNN</p> <p><i>Paula G. Fugh</i></p> <p><i>Philip W. B...</i></p> <p><i>George W. ...</i></p>	<p>REVISION NO. 4</p> <p>APRIL 2007</p> <p>SEE THE REVISION LISTING ON PAGE 2</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CLASS</th> <th>DIVISION</th> <th>DRAWING</th> <th>FILE</th> </tr> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">48</td> <td style="text-align: center;">4116/ 156G</td> <td style="text-align: center;">20PA1002</td> </tr> </table>	CLASS	DIVISION	DRAWING	FILE	19	48	4116/ 156G	20PA1002
CLASS	DIVISION	DRAWING	FILE								
19	48	4116/ 156G	20PA1002								

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	WEIGHT (LBS)
NSN	DODIC			
1390-				
01-020-0096	N464	1.2.2	D	1,890
01-137-5444	N464	1.2.2	D	1,890
01-202-1710	N464	1.2.2	D	1,890

*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 FEBRUARY 1984, CONSISTS OF:

1. DELETING ITEMS BY NATIONAL STOCK NUMBER FROM "PALLET UNIT DATA" CHART.
2. REORIENTING BOXES ON PALLET.
3. ADDING ALTERNATE PROCEDURES.

REVISION NO. 2, DATED SEPTEMBER 1986, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA" CHART.

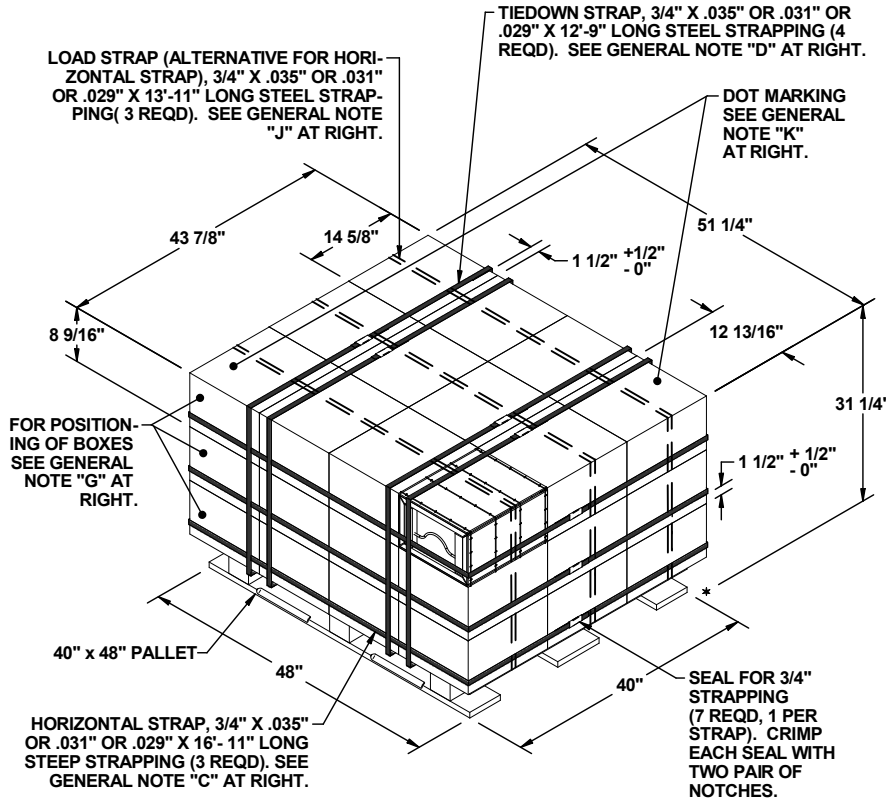
REVISION NO. 3, DATED MARCH 1988, CONSISTS OF:

ADDING GENERAL NOTES "K" AND "L" ON PAGE 2 AND "L" AND "M" ON PAGE 3 (DOT MARKING AND PALLET CHAMFER).

REVISION NO. 4, DATED APRIL 2007, CONSISTS OF:

1. ELIMINATING PALLET UNIT "B".
2. UPDATING DRAWING FORMAT.

GENERAL NOTES



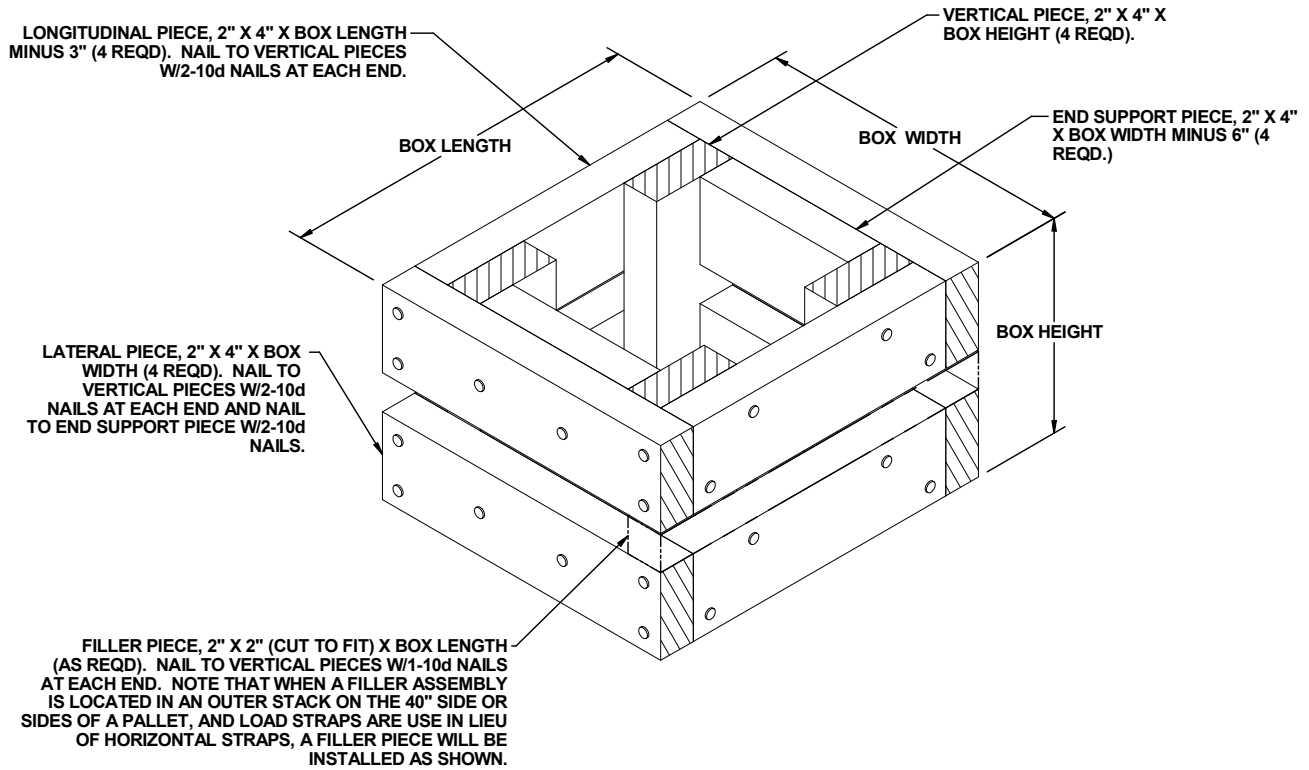
PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

36 BOXES OF FUZES (16 PER BOX) @ 50 LBS	1,800 LBS (APPROX)
DUNNAGE	10 LBS
PALLET	80 LBS
TOTAL WEIGHT	1,890 LBS (APPROX)
CUBE	40.7 CU FT (APPROX)

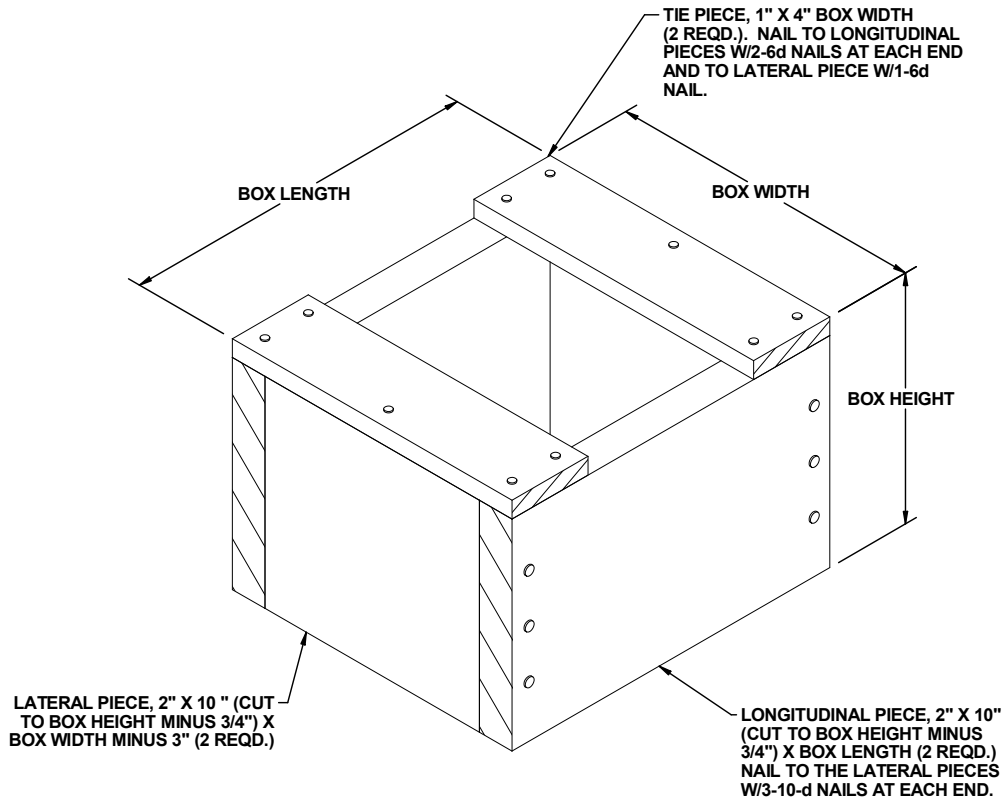
BILL OF MATERIAL		
PALLET, 40" X 48"	1 REQD	80 LBS
STEEL STRAPPING, 3/4"	101.75' REQD	9.08 LBS
SEAL FOR 3/4" STRAPPING	7 REQD	NIL

- 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. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE A LAYER OF BOXES ON THE PALLET. HORIZONTAL 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. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, NEAR THE SIDE CLEATS OF THE END PANELS OF THE BOX. 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. DUE TO POSSIBLE POWER SUPPLY LEAKAGE, ALL BOXES ON THE PALLET UNIT MUST BE PLACED WITH THE TOPS DOWNWARD.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING PROXIMITY 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.
- J. LOAD STRAPS MAY BE USED IN LIEU OF HORIZONTAL STRAPS. LOAD STRAPS WILL BE LOCATED AS SHOWN IN THE DETAIL AT LEFT. LOAD STRAPS MAY BE PRE-POSITIONED ON THE PALLET DECK OR THREADED THROUGH STRAP SLOTS. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS. NOTICE: IF USING LOAD STRAPS, A 3/8" X 40" X 48" PIECE OF PLYWOOD MUST BE PLACED ON TOP OF THE FINAL LAYER OF BOXES, PRIOR TO STRAPPING THE PALLET DOWN.
- K. THE DOT MARKING, 7/16" MINIMUM OR SAME SIZE AS ORIGINAL DOT MARKING, WILL BE STENCILED ON TWO TOP DIAGONAL CORNERS OF THE UNIT LOAD, OR PLACARDS WILL BE ATTACHED TO ANY TWO SIDES OF THE UNIT LOAD AND WILL CONTAIN REQUIRED DOT INFORMATION.
- 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 THE ITEMS COVERED BY THIS APPENDIX.
- M. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE ALTERNATIVE FILLER ASSEMBLY MAY BE SUBSTITUTED FOR THE FILLER ASSEMBLY TO COMPLETE A LAYER ON A PALLET.
- N. FOR DETAILS OF THE WIREBOUND BOX SEE ARDEC DRAWING 886123.



FILLER ASSEMBLY
(FOR MINUS ONE BOX)



ALTERNATE FILLER ASSEMBLY
(FOR MINUS ONE BOX)
SEE GENERAL NOTE "L" ON PAGE 3