

# APPENDIX 129D

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

**RECEIVER, MAGNETO-INDUCTIVE FIRING DEVICE,  
M40, PACKED 2 PER PA108 SERIES METAL CON-  
TAINER, 1 CONTAINER PER WIREBOUND BOX,  
UNITIZED 60 BOXES PER 40" X 48" PALLET; AP-  
PROX BOX SIZE 9-5/8" L X 13-3/8" W X 9-3/8" H**

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

**DISTRIBUTION STATEMENT A:**

**APPROVED FOR PUBLIC RELEASE  
DISTRIBUTION IS UNLIMITED.**

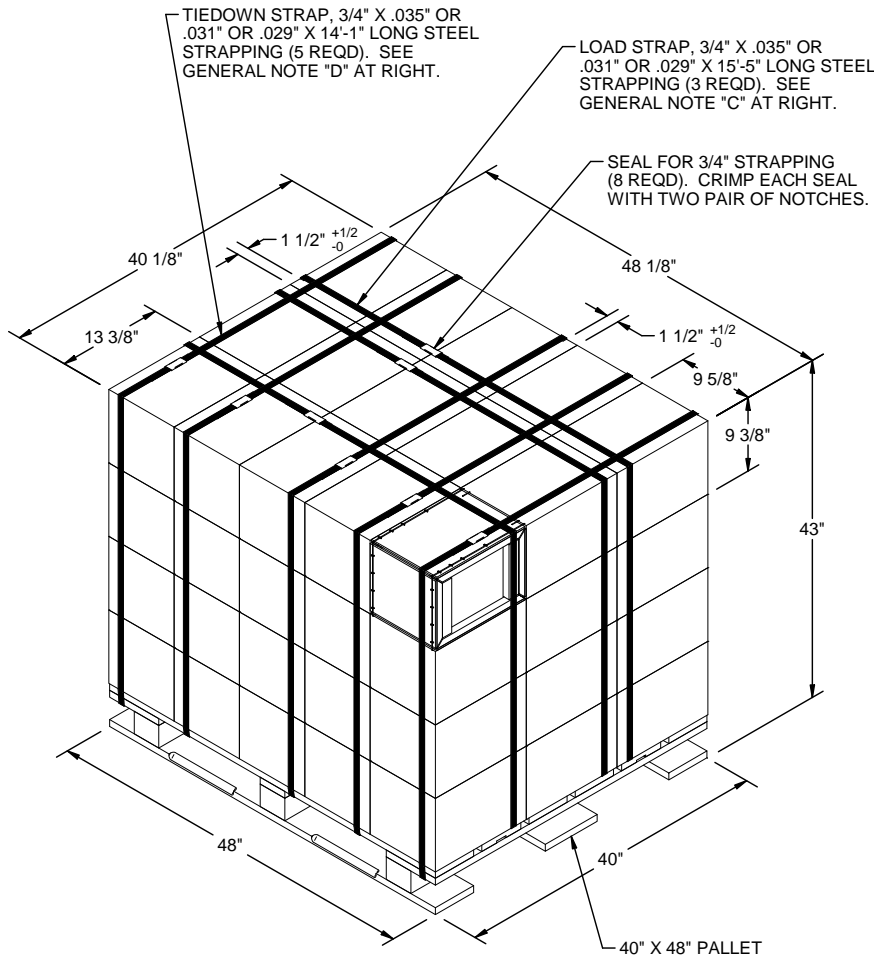
### U.S. ARMY MATERIEL COMMAND DRAWING

<b>APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND</b>		<b>CAUTION: VERIFY PRIOR TO USE AT WWW3.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</b>						
REHMSTEDT.MA RT.J.1230548400	Digitally signed by REHMSTEDT.MARK.J.1230548400 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=REHMSTEDT.MARK.J.1230548400 Date: 2010.12.28 13:30:36 -0500	RDAR-EIL-TP	<b>DO NOT SCALE</b>		<b>OCTOBER 2010</b>			
<b>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</b>	Digitally signed by CASILLAS.GILBERT.J.1230398644 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CASILLAS.GILBERT.J.1230398644 Date: 2011.01.05 07:10:10 -0600	AMSJM-LIT	ENGINEER OR TECHNICIAN	BASIC REV.	<b>CANH TRAN</b>			
<b>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</b>	Digitally signed by CARNEY.GARY.BURTON.1038708038 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CARNEY.GARY.BURTON.1038708038 Date: 2011.01.05 10:56:07 -0600	Digitally signed by FIEFFER.LAURA.A.1230375727 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=FIEFFER.LAURA.A.1230375727 Date: 2010.10.26 12:14:07 -0500	Digitally signed by BARICKMAN.PHILIP.W.1230202202 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BARICKMAN.PHILIP.W.1230202202 Date: 2010.10.27 13:53:22 -0500	TESTED	CLASS <b>19</b>	DIVISION <b>48</b>	DRAWING <b>4116/ 129D</b>	FILE <b>20PA1002</b>
CARNEY.GARY. BURTON.10387 08038  U.S. ARMY DEFENSE AMMUNITION CENTER	Digitally signed by BEAVER.JERRY.W.1230949952 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BEAVER.JERRY.W.1230949952 Date: 2010.10.28 07:39:46 -0500	Digitally signed by BEAVER.JERRY.W.1230949952 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BEAVER.JERRY.W.1230949952 Date: 2010.10.28 07:39:46 -0500	TRANSPORTATION ENGINEERING DIVISION	FIEFFER.LAUR A.A.1230375727	VALIDATION ENGINEERING DIVISION	BARICKMAN .PHILIP.W.12 30202202	ENGINEERING DIRECTORATE	BEAVER.JERRY .W.1230949952

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1375-01-570-3100	MP24	1. 4	S	991

\*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).

**GENERAL NOTES**



**PALLET UNIT**

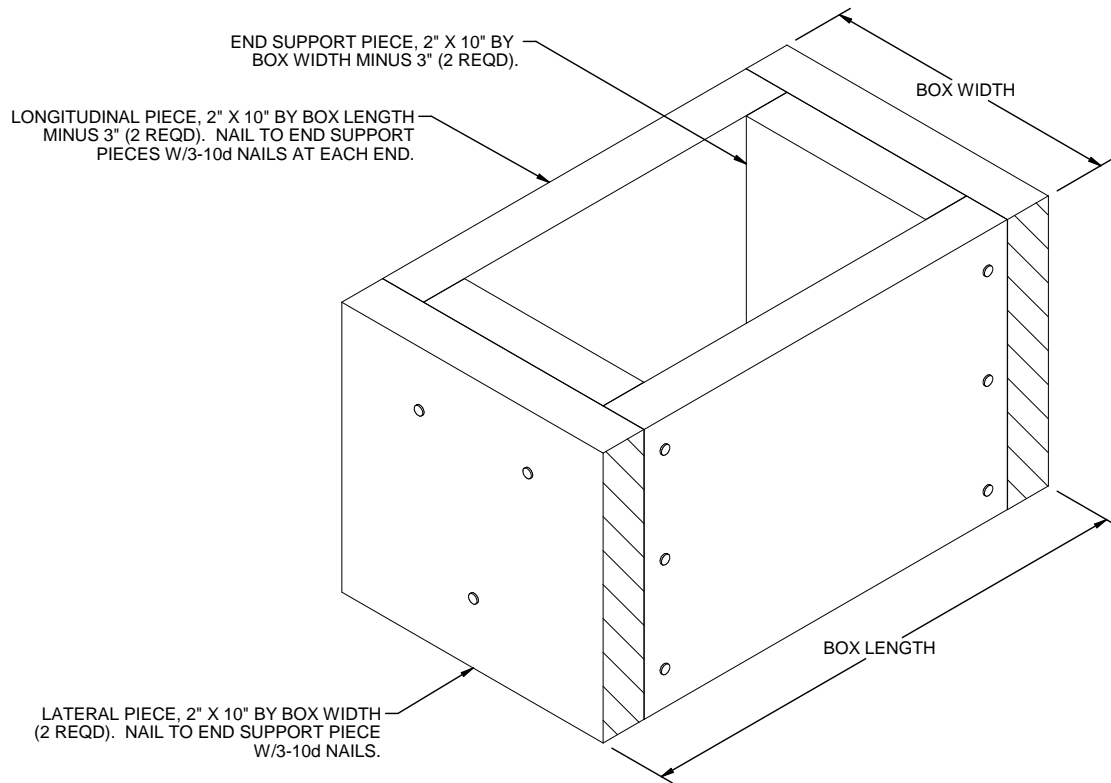
SEE GENERAL NOTE "B" AT RIGHT.

- 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. NOTE THAT THE LOAD STRAPS WILL BE LOCATED AS SHOWN. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER 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 MAGNETO-INDUCTIVE FIRING DEVICE RECEIVERS 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. FOR DETAILS OF THE FED SPEC PPP-B-585 WOODEN BOX SEE ADELPHI LABORATORY CENTER DRAWING 11754206.

60 BOXES OF FIRING DEVICES (2 PER BOX) @ 15 LBS - - - -	900 LBS
DUNNAGE - - - - -	11 LBS
PALLET - - - - -	80 LBS
<hr/>	
TOTAL WEIGHT - - - - -	991 LBS (APPROX)
CUBE - - - - -	48.1 CU FT (APPROX)

**BILL OF MATERIAL**

PALLET, 40" X 48" - - - - -	1 REOD - - - - -	80 LBS
STEEL STRAPPING, 3/4" - 116.67' REOD - - - - -		10.42 LBS
SEAL FOR 3/4" STRAPPING - - - - -	8 REOD - - - - -	NIL



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