

APPENDIX 114C

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

**CARTRIDGE, SIMULATOR, PACKED 216 PER WIRE-
BOUND BOX, UNITIZED 24 BOXES PER 40" x 48"
PALLET; APPROX BOX SIZE 20-1/4" L X 11-1/4" W X
11-1/2" 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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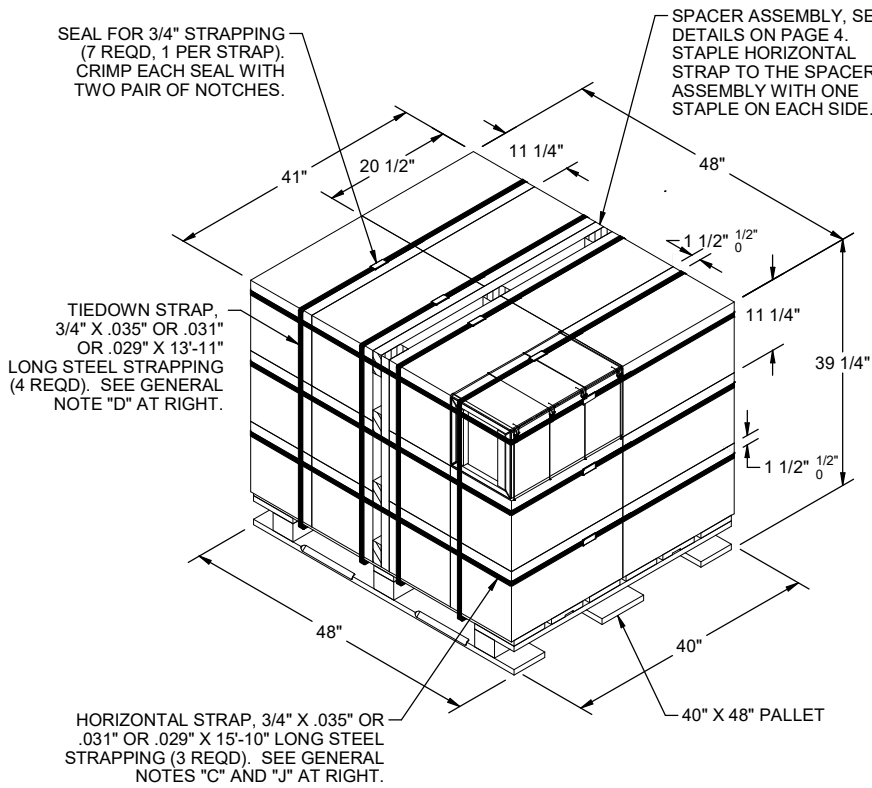
U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSEN.JO. Digitally signed by HANSEN.JOSEPH.W. SEPH.W.1376 1376495538 495538 Date: 2023.05.23 13:34:52 -05'00'	CAUTION: VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.			MAY 2023				
FCDD-ACE-LTP	DO NOT SCALE							
APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND WARD.GINA. Digitally signed by WARD.GINA.M.1369379808 M.1369379808 Date: 2023.05.25 10:12:12 -05'00'	DESIGN ENGINEER	BASIC REV.	SPENCER HOVEY					
AMSJM-MLT	ENGINEERING DIVISON	FIEFFER.LAUR. Digitally signed by FIEFFER.LAURA.A.1230375727 A.A.1230375727 Date: 2023.05.10 10:26:26 -05'00'						
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND BRAILSFORD.KEITH. Digitally signed by BRAILSFORD.KEITH.ANTHONY.10 ANTHONY.10286556 28655661 61 Date: 2023.05.25 17:45:40 -05'00' DEFENSE AMMUNITION CENTER	TEST ENGINEER TEST REPORT	NA	FELICIANO.AD. Digitally signed by FELICIANO ADIN.1259200373 IN.1259200373 Date: 2023.05.10 12:15:01 -05'00'		CLASS	DIVISION	DRAWING	FILE
	EXPLOSIVE SAFETY DIRECTORATE	CUMMINS.PAU. Digitally signed by CUMMINS PAUL.A.1231883122 L.A.1231883122 Date: 2023.05.15 06:49:21 -05'00'			19	48	4116/ 114C	20PA1002

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1370-				
01-706-1081	LA45	1.4	G	957
01-706-1115	LA47	1.4	G	957
01-534-7733	LA53	1.4	G	957
01-534-9191	LA54	1.4	G	957
01-604-6463	LA71	1.4	S	1,053
01-708-7894	LA96	1.4	G	1,053

*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.

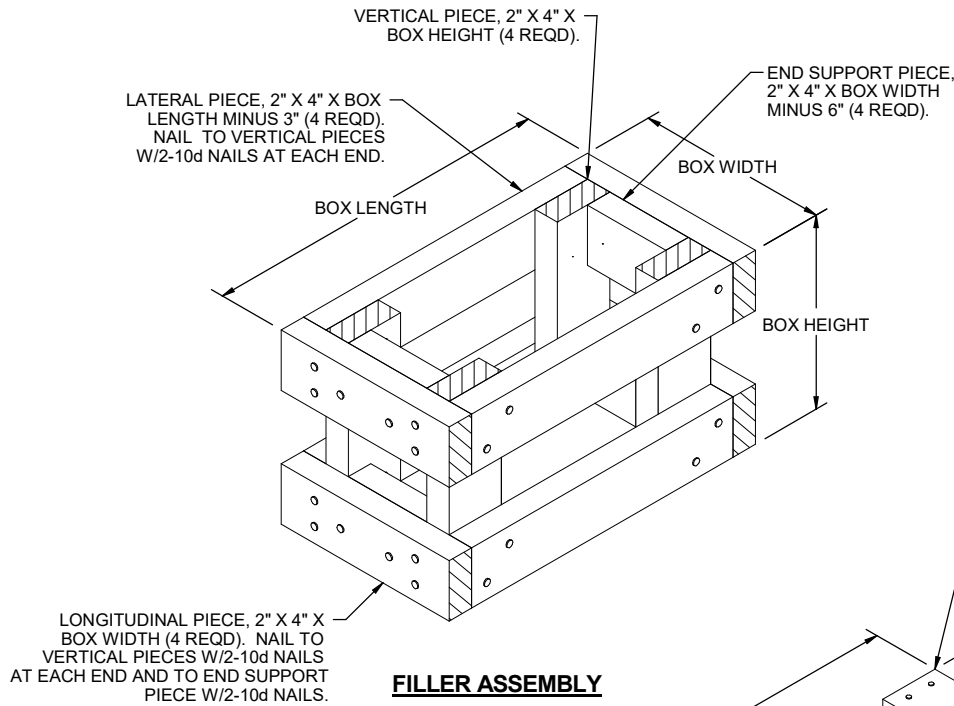
24 BOXES OF SIMULATOR CARTRIDGES (216 PER BOX) @ 39 LBS -- 936 LBS
 DUNNAGE -- -- -- -- -- 37 LBS
 PALLET -- -- -- -- -- 80 LBS

TOTAL WEIGHT -- -- -- -- -- 1,053 LBS (APPROX)
 CUBE -- -- -- -- -- 44.7 CU FT (APPROX)

- 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. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE TOP OF EACH LAYER. 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. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, 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 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 SIMULATOR 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. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE ALTERNATIVE FILLER ASSEMBLY MAY BE SUBSTITUTED FOR THE FILLER ASSEMBLY TO COMPLETE A LAYER ON A PALLET.
- J. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- K. FOR DETAILS OF THE WIREBOUND BOX SEE DEVCOM DRAWING 13106003.

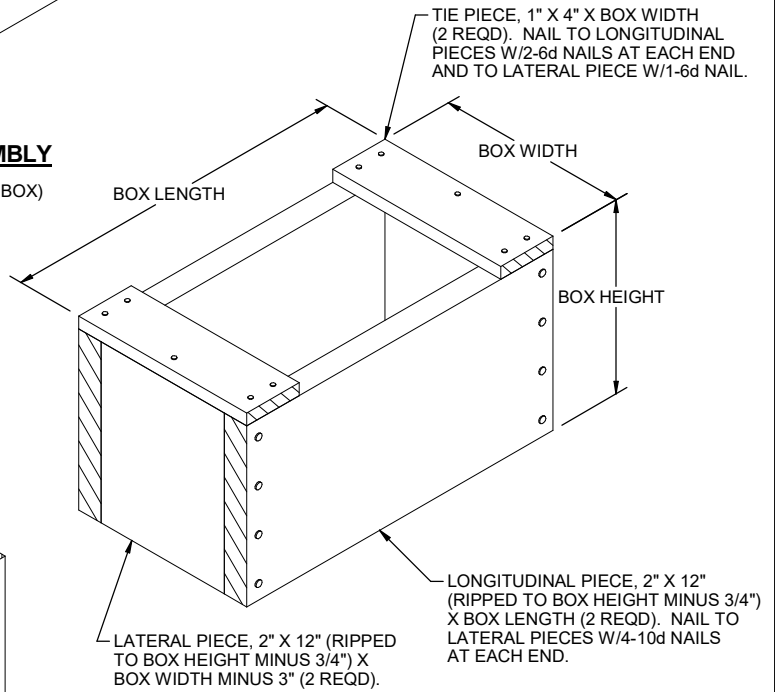
BILL OF MATERIAL

LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	22,10	14,74
NAILS	NO. REQD	POUNDS
10d (3")	24	0.37
PALLET, 40" X 48" - - - - 1 REQD - - - 80 LBS		
STEEL STRAP, 3/4" - - 103.20' REQD - - 7.40 LBS		
SEAL FOR 3/4" STRAP - - - - 7 REQD - - - - NIL		
STAPLE, 15/16" X 3/4" - - - 6 REQD - - - - NIL		



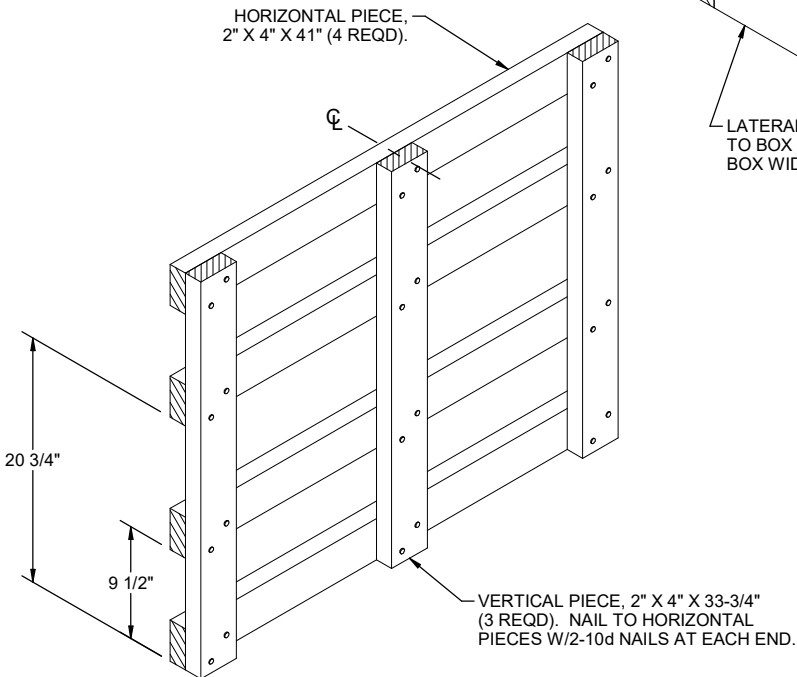
FILLER ASSEMBLY

(FOR MINUS ONE BOX)



ALTERNATIVE FILLER ASSEMBLY

(FOR MINUS ONE BOX)
SEE GENERAL NOTE "H" ON PAGE 3.



SPACER ASSEMBLY