

APPENDIX 99E

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

**SMOKE POT, FLOATING, TA, PRACTICE, M8, PACKED
ONE PER PLYWOOD CLEATED PANEL BOX, UNIT-
IZED 12 BOXES PER 35" X 45-1/2" PALLET; APPROX
BOX SIZE 17-1/8" L X 16-1/4" W X 18-1/4" 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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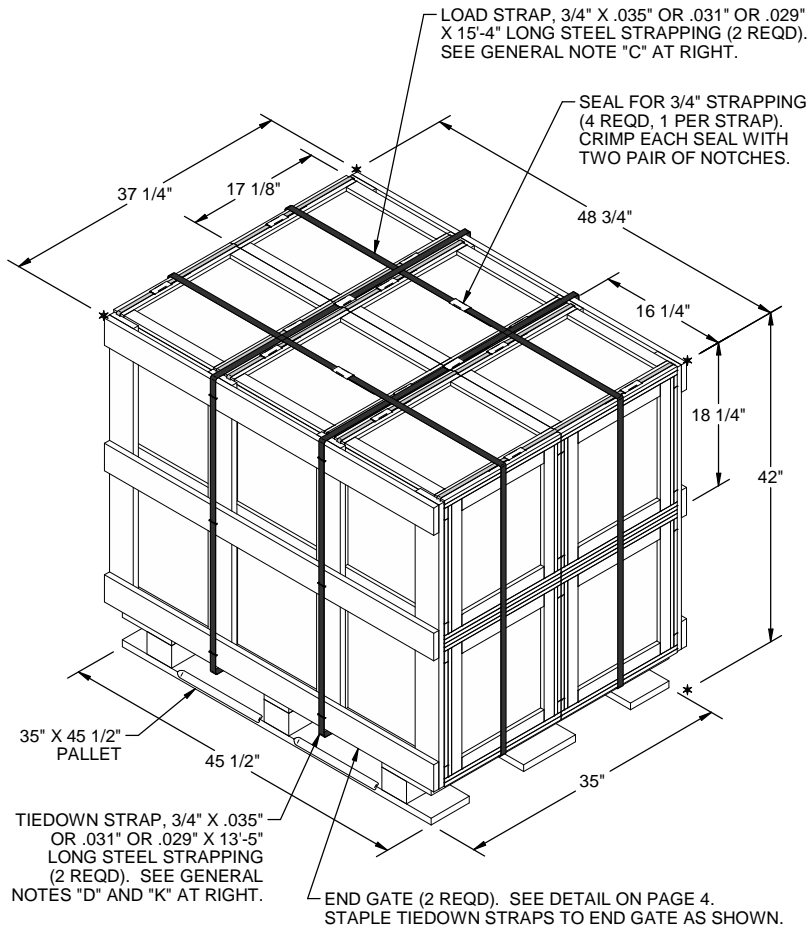
U.S. ARMY MATERIEL COMMAND DRAWING

<small>APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER</small> HANSSEN.JOSEP H.W.1376495538 <small>Digitally signed by HANSSEN.JOSEPH.W.13764955 38 Date: 2024.04.08 07:04:22 -05'00'</small>		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.			
<small>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</small> WARD.GINA. M.1369379808 <small>Digitally signed by WARD.GINA.M.1369379808 Date: 2024.05.13 07:35:15 -05'00'</small>		DO NOT SCALE		<h2 style="margin: 0;">MARCH 2024</h2>	
<small>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</small> BRILSFORD.KEIT H.ANTHONY.10286 55661 <small>Digitally signed by BRILSFORD.KEITH.ANTHONY. 1028655661 Date: 2024.05.23 07:48:15 -05'00'</small>		<small>DESIGN ENGINEER</small> <small>ENGINEERING DIVISON</small>	<small>BASIC REV.</small> <small>TEST REPORT</small>	RICHARD GARSIDE FIEFFER.LAUR A.A.1230375727 <small>Digitally signed by FIEFFER.LAURA.A.1230375727 Date: 2024.03.14 10:13:09 -05'00'</small>	<small>CLASS</small> 19
<small>DEFENSE AMMUNITION CENTER</small>		<small>TEST ENGINEER</small> NA	<small>EXPLOSIVES SAFETY DIRECTORATE</small>	FELICIANO.AD IN.1259200373 <small>Digitally signed by FELICIANO.ADIN.1259200373 Date: 2024.03.21 07:19:59 -05'00'</small>	<small>DIVISION</small> 48
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PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1365-01-717-8618	K511	1.4	G	715

*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



- 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 PREPOSITIONED ON THE PALLET DECK PRIOR TO PLACING 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. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, ALIGNED WITH THE END GATE CENTER VERTICAL PIECES. 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 SMOKE POTS 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 1A 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.
- J. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES, AND HEAT TREATED IN ACCORDANCE WITH GENERAL NOTE "JJ" IN THE BASIC PROCEDURES.
- K. FOR DETAILS OF THE ASTM-D6251 BOX, SEE DEVCOM SPI P36-1-300-20.

PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF SMOKE POT M8 (1 PER BOX) @ 51 LBS	-----	612 LBS (APPROX)
DUNNAGE	-----	38 LBS
PALLET	-----	65 LBS
TOTAL WEIGHT -----		715 LBS (APPROX)
CUBE -----		44.14 CU FT (APPROX)

BILL OF MATERIAL

LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	48.42	16.14
NAI LS	NO. REQD	POUNDS
6d (2")	48	0.28
PALLET, 35" X 45-1/2" - - - 1 REQD - - - 65 LBS		
STEEL STRAPPING, 3/4" - 57.33' REQD - - 5.12 LBS		
SEAL FOR 3/4" STRAPPING - - 4 REQD - - - NIL		
STAPLE, 15/16" X 3/4" - - - 12 REQD - - - NIL		

