# **APPENDIX 139C**

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

TNT, PACKED 25 POUNDS PER FIBERBOARD BOX, UNITIZED 42 BOXES PER 40" X 48" PALLET; AP-PROX BOX SIZE 18-1/8" L X 14-7/8" W X 5-1/2" H

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

#### DISTRIBUTION STATEMENT A

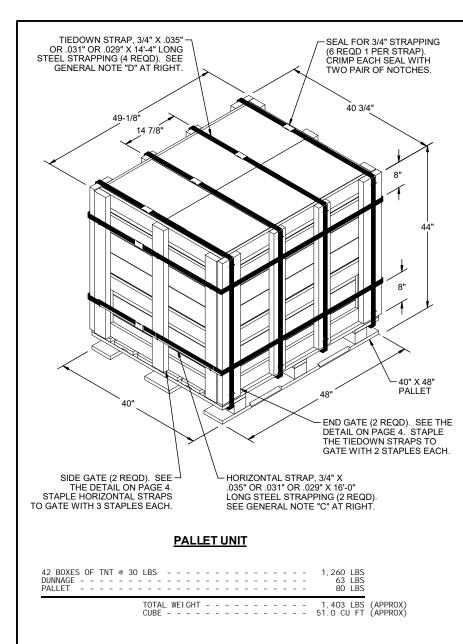
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### **U.S. ARMY MATERIEL COMMAND DRAWING**

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W. SEPH.W.1376 1376495538	<u>CAUTION</u> : 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 6.						
495538	DO NOT SCALE				APRIL 2021		
APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND	ENGINEER OR	BASIO	MADELINE BANKS				
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AMSJM-MLT	ENGINEERING		FIEFFER.LAUR				
APPROVED BY ORDER OF COMMANDING GENERAL,	DIVISON		A.A.1230375727 Date: 2021.04.14 08:49:55 - 05'00'				
U.S. ARMY MATERIEL COMMAND	TEST ENGINEER		FELICIANO.AD Digitally signed by	CLASS	DIVISION	DRAWING	FILE
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55661 102865661 U.S. ARMY DEFENSE AMMUNITION CENTER			FAIRHURST.ROBE Digitally signed by RT.JOHN.10157668 FAIRHURST.ROBERT.JOHN.101 5766880 Date: 2021.04.27 14:26:45 -0500'	19	48	139C	20PA1002

	PALLET UNIT DATA						
ITEMS INCL	UDED	*HAZARD	*сомраті-	APPROX WEIGHT (LBS)			
NSN	DODIC	CLASS AND DIVISION	BILITY GROUP				
1376- 01-692-9758	ML51	1. 1	D	1, 403			

\*HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PUR-POSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).



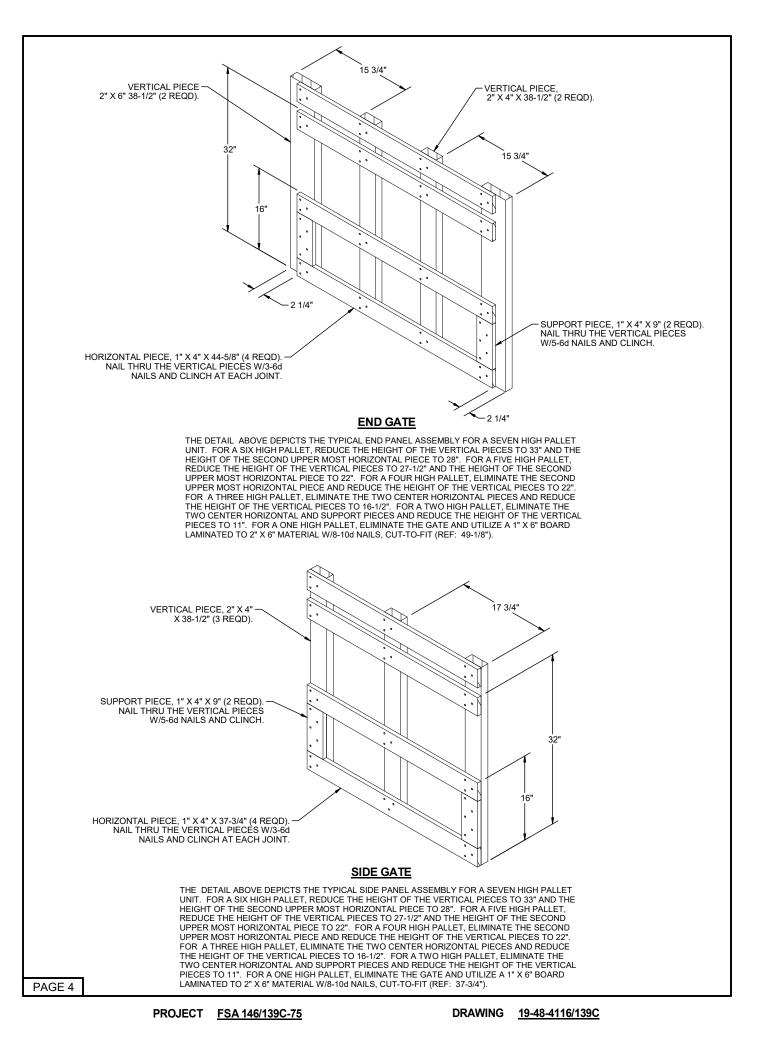
BILL OF MATERIAL				
LUMBER	LINEAR FEET	BOARD FEET		
1" X 4" 2" X 4" 2" X 6"	30. 33 15. 68 6. 27	10. 11 10. 45 6. 27		
NAI LS	NO. REQD	POUNDS		
6d (2")	104	3/4		
STEEL STRAPPING, 3/4" - 89.17' REQD - 7.96 LBS   SEAL FOR 3/4" STRAPPING - 6 REQD NIL   STAPLE, 15/16" X 3/4" 24 REQD NIL				

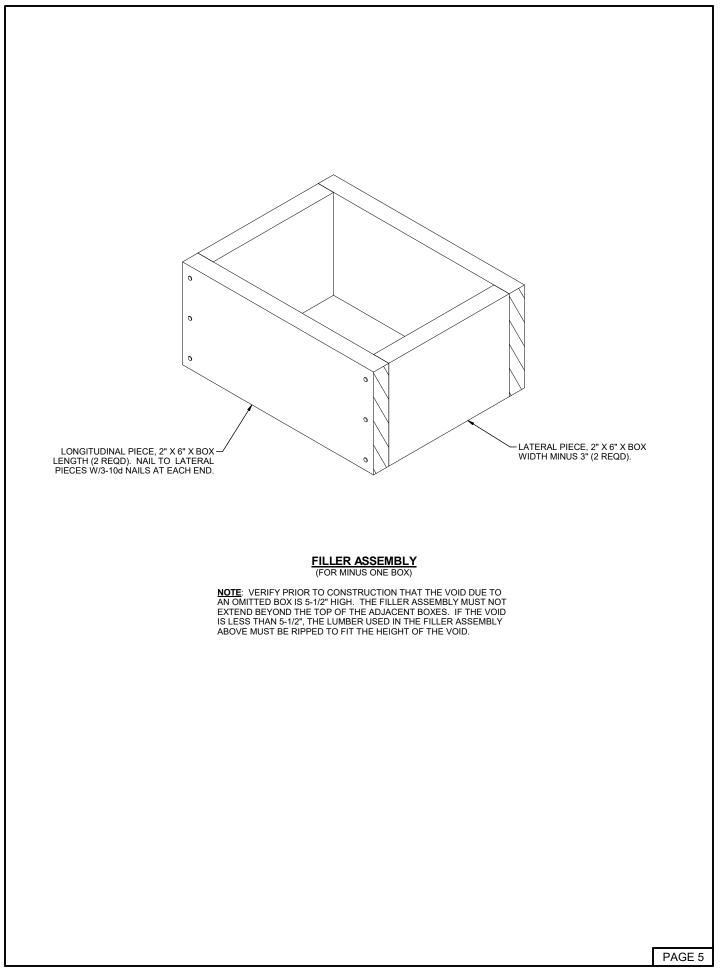
#### GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRO-DUCE AN APPROVED UNIT LOAD, ALL PERTINENT PRO-CEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PRO-CEDURES DELINEATED IN THIS APPENDIX. ANY EXCEP-TIONS 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 DIMEN-SIONS OF THE BOXES AND THE WEIGHT OF THE SPECIF-IC ITEM BEING UNITIZED.
- C. INSTALL EACH HORIZONTAL STRAP TO BE LOCATED AS SHOWN. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED BEFORE THE 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 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.

TRUCKLOADING	-	19-48-4115-5PA1002 19-48-4117-11PA1003 19-48-4118-1-2-3-4-14- 22PA1002
		22PA1002 19-48-4153-15PA1002 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 TNT IN FIBERBOARD BOXES 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 LESS THAN 42 BOXES ARE TO BE LOADED ON A PAL-LET, IT SHALL BE ACCOMPLISHED BY SUBSTITUTING FILLER ASSEMBLES, AS DEPICTED ON PAGE 5 FOR OMITTED BOXES. IF MORE THAN SIX BOXES ARE TO BE OMITTED FROM THE PALLET UNIT, IT CAN BE ACCOM-PLISHED BY USING A COMBINATION OF OMITTING A COMPLETE LAYER OF BOXES AND SUBSTITUTING FILLER ASSEMBLIES AS NECESSARY, TO SATISFY THE REDUCED QUANTITY OF BOXES TO BE UNITIZED.
- 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. ALL WOODEN DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES, AND HEAT TREATED IN AC-CORDANCE WITH GENERAL NOTE "JJ" IN THE BASIC PROCEDURES.
- L. FOR DETAILS OF THE FIBERBOARD BOX SEE ARDEC DRAWING 13102414.





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