<u>APPENDIX 121X</u>

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

CAP, BLASTING, NON-ELECTRIC, DELAY, M15, PACKED 60 PER WOODEN BOX, UNITIZED 12 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 25-1/4" L X 23-3/4" W X 14-3/4" H

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

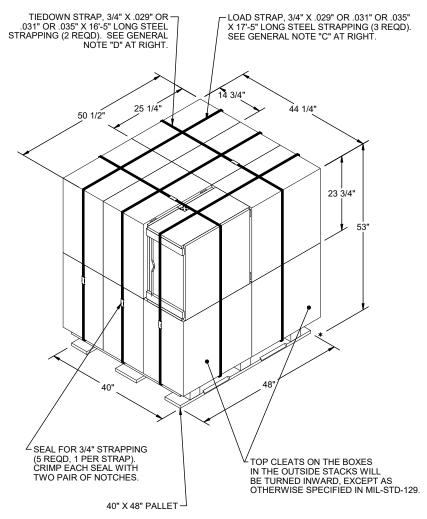
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U.S. ARMY MATERIEL COMMAND DRAWING APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER CAUTION: VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W. THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. SEPH.W.1376 1376495538 Date: 2020 06 04 495538 FCDD-ACE-LTP DO NOT SCALE **JUNE 2020** APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND BASIC **MADELINE BANKS** DESIGN WARD.GINA. Digitally signed by WARD.GINA.M.1369379808 **ENGINEER** RFV M.1369379808 Date: 2020.06.04 12:57:11 FIEFFER.LAUR Digitally signed by FIEFFER.LAURA A.1230375727 Date: 2020.05.27 11:13:11-050 **ENGINEERING** AMSJM-MLT DIVISON APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND CLASS DIVISION DRAWING FILE TEST ENGINEER FELICIANO.ADI Digitally signed by FELICIANO.ADIN.1259200373 TEST N.1259200373 Date: 2020.05.29 13:33:45 SMITH.THERESA. Digitally signed by SMITH.THERESA.ANN.1009147 REPORT ANN.1009147639 639 Date: 2020.06.05 09:41:04 -05'00' 4116/ THOMAS.CARL.AN Digitally signed by THOMAS.CARL.ANTHONY.1104 20PA1002 **EXPLOSIVE** 19 48 THONY.110462137 THOMAS.CARL.ANTI...... 621372 Date: 2020.06.02 10:33:01-050 121X SAFETY U.S. ARMY DEFENSE AMMUNITION CENTER DIRECTORATE

PALLET UNIT DATA							
ITEMS INCL	UDED	*HAZARD	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)			
NSN	DODIC	CLASS AND DIVISION					
1375- 01-447-2049	MNO7	1. 4	S	856			

^{*}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).



PALLET UNIT SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF BLODUNNAGE PALLET	 	 	8 LBS
			856 LBS (APPROX)

BILL OF MATERIAL						
PALLET, 40" X 48" 1	REQD 80 LBS					
PALLET, 40" X 48" 1 STEEL STRAPPING, 3/4" - 85.00'	REQD 7.59 LBS					
SEAL FOR 3/4" STRAPPING 5	REQD NI L					

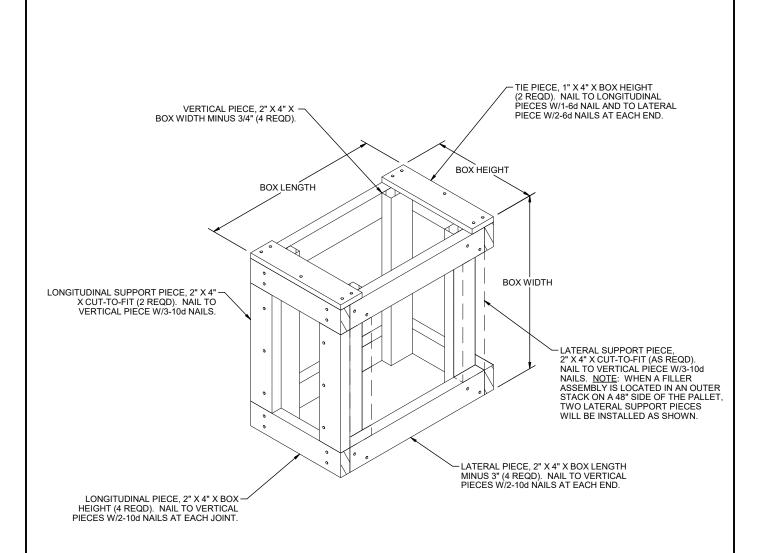
GENERAL NOTES

- 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 MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE 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 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.

CARLOADI NG - - - - 19-48-4115-5PA1002
TRUCKLOADI NG - - - 19-48-4117-11PA1003
STORAGE - - - 19-48-4118-1-2-3-4-1422PA1002
END OPENI NG I SO
CONTAI NER - - - 19-48-4153-15PA1002
MI LVAN - - - - 19-48-4166-15PA1003
SI DE OPENI NG I SO
CONTAI NER - - - 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 BLASTING CAPS 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-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- J. THE 50-1/2" LENGTH DIMENSION IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAY-ER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12'-6", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 13'-6". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 29-114", A GROSS UNIT WEIGHT OF 469 POUNDS, AND A UNIT CUBE OF 37.8 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER, VAN TRAILER, OR BOXCAR. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- L. FOR DETAILS OF THE WOODEN BOX SEE ARDEC DRAW-ING 12972631.

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FILLER ASSEMBLY (FOR MINUS ONE BOX)