

APPENDIX 120X

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

CHARGE, DEMOLITION, PACKED 3 PER WOOD BOX,
UNITIZED 20 BOXES PER 42" X 53" PALLET;
APPROX BOX SIZE 33-15/16" L X 10-19/32" W
X 10-19/32" 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, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>NH</i> <i>David L. Parkour</i> AMSTA-AR-ESK	DRAFTSMAN ENGINEER BETTY J. KUNDERT SANDRA M. SCHULTZ		
<i>Stachnick</i> AMSIG-TMJ	SUPPLY ENGINEERING DIVISION <i>T.J. Miller</i>	TRANSPORTATION ENGINEERING DIVISION <i>W. French</i>	VALIDATION ENGINEERING DIVISION <i>J. Kecker</i>
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>Samuel A. ...</i>	LOGISTICS ENGINEERING OFFICE <i>William F. Ernst</i>		
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	OCTOBER 1982		
REVISION NO. 6	MARCH 1996	CLASS	DIVISION
SEE THE REVISION LISTING ON PAGE 2	DRAWING	FILE	19
		48	4116/ 120X
		20PA	1002

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION ●		APPROX WEIGHT LBS
NSN	DODIC	OD CLASS	COMP GROUP	
1375-00-028-5237	M420	1.1	D	1,422
00-529-7698	M420	1.1	D	1,422
00-926-3939	M420	1.1	D	1,422
00-935-1924	M420	1.1	D	1,422

● 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).

REVISIONS

REVISION NO. 1, DATED DECEMBER 1983, CONSISTS OF:

1. ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.

REVISION NO. 2, DATED MAY 1984, CONSISTS OF:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
2. CHANGING BOX DIMENSIONS AND WEIGHT.

REVISION NO. 3, DATED OCTOBER 1984, CONSISTS OF:

1. CHANGING BOX TYPE.
2. UPDATING DRAWING FORMAT.

REVISION NO. 4, DATED JULY 1985, CONSISTS OF:

1. CHANGING THE QUANTITY PER UNIT PACK.

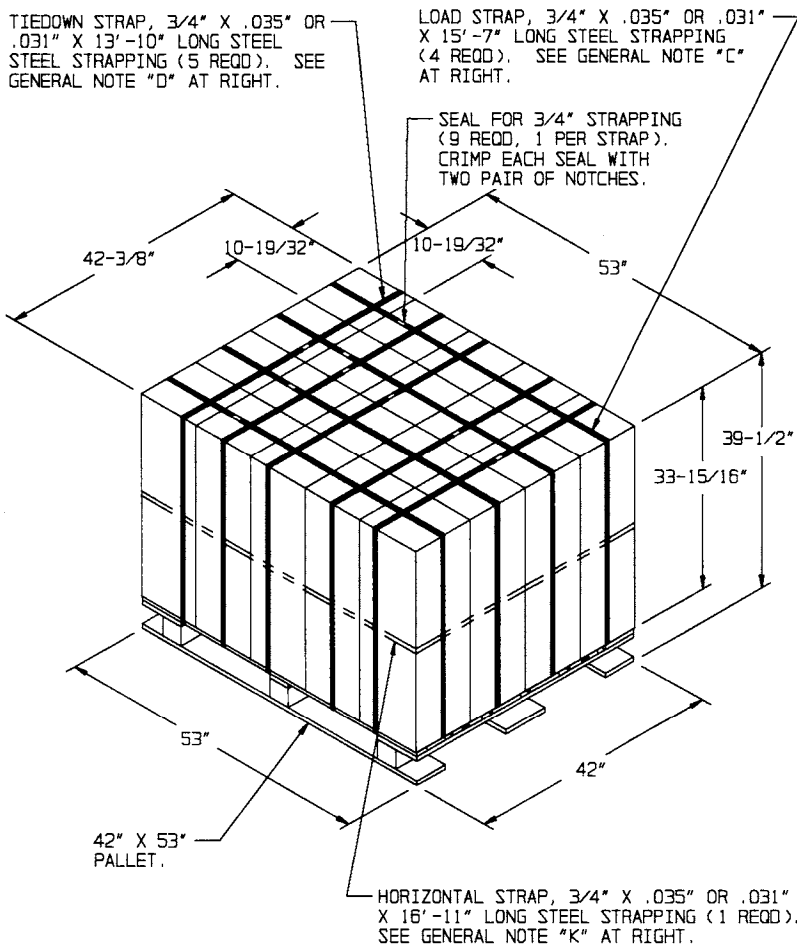
REVISION NO. 5, DATED MAY 1986 CONSISTS OF:

1. UPDATING DRAWING TITLE.

REVISION NO. 6, DATED MARCH 1996, CONSISTS OF:

1. CHANGING THE QUANTITY PER BOX AND BOX TYPE.
2. ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
3. DELETING ITEM BY NATIONAL STOCK NUMBER FROM "PALLET UNIT DATA" CHART.

GENERAL NOTES



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

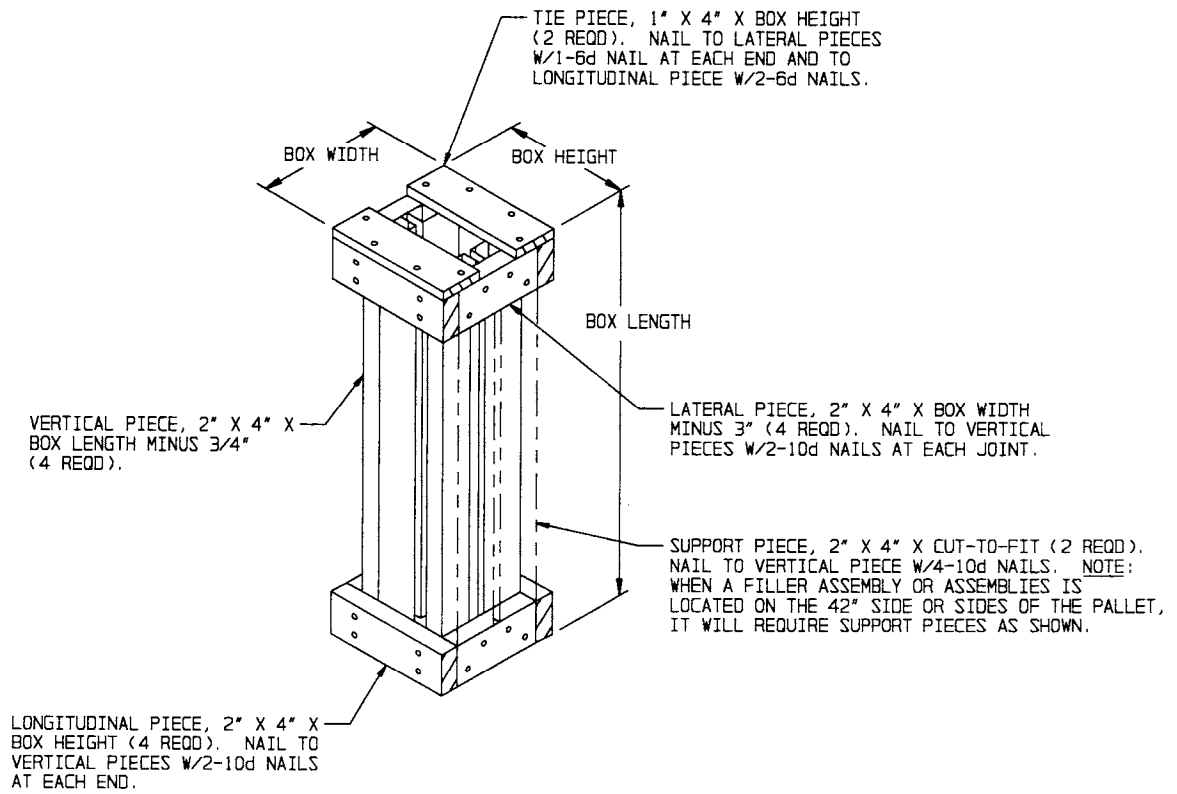
20 BOXES OF CHARGES (3 PER BOX) AT 66 LBS	1,320 LBS (APPROX)
DUNNAGE	12 LBS
PALLET	90 LBS

TOTAL WEIGHT	1,422 LBS (APPROX)
CUBE	51.3 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 42" X 53"	1 REQD	90 LBS
STEEL STRAPPING, 3/4"	131.50' REQD	11.75 LBS
SEAL FOR 3/4" STRAPPING	9 REQD	NIL

- 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. 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.
 - 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 DEMOLITION CHARGES 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 THERE IS A NEED FOR FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAN 16 FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT. ADDITIONAL FILLERS CAN PUT IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF 16 FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISFY THE TOTAL REDUCTION NEEDED. USING TWO PALLET UNITS TO SATISFY THE PALLETIZATION CRITERIA APPLICABLE TO LESS-THAN-FULL PALLET UNITS 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.
- J. THE STYLE 1B 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 THE ITEMS COVERED BY THIS APPENDIX.
- K. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE HORIZONTAL STRAPPING MAY BE SUBSTITUTED FOR THE LOAD STRAPS. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, NEAR THE CENTER OF THE BOXES. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO TENSIONING OF TIEDOWN STRAPS.



FILLER ASSEMBLY

(FOR MINUS ONE BOX)