## APPENDIX 47A

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

CHARGE, EXPELLING, PACKED 128 PER WOODEN BOX, UNITIZED 16 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 22"L X  $20\frac{3}{16}$ " W X  $11\frac{3}{4}$ " H

PALLET UNIT DATA							
ITEMS INCLUDED		HAZARD CLASSIFICATION €				WEIGHT	
NSN	DODIC	DOT CLASS	CG CLASS	<b>Q</b> D CLASS	COMP GROUP	(LBS)	
1320- 01-052-1318						1,285	

## **REVISION**

REVISION NO. 1, DATED AUGUST 1984 CONSISTS OF:

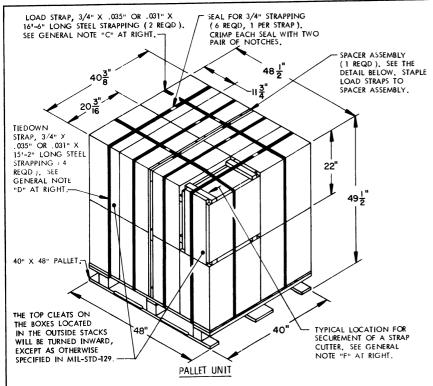
CHANGING PALLET SIZE.

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

• 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 CRAFTSMAN PROJENG					
CHECKER LIGGENGRG OFFICE GRG GRAND					
AUG 84	_				
Math Henton & Banney	· ·				
APPROVED BY ORDER OF COMMANDING GENERAL U. S. ARM. MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCO	( )M)				
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FEBRUARY 1984					
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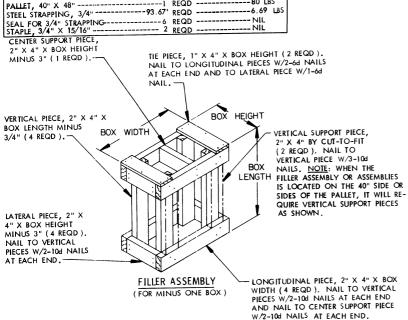
DO NOT SCALE



SEE GENERAL NOTE "B" AT RIGHT.

TOTAL WEIGHT ------ 1,285 LBS (APPROX )
CUBE ----- 56.1 CU FT (APPROX )

	BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET	
1" X 4"	20.84	6.95	
NAILS	NO, REQD.	POLINDS	
6d (2")	18	.11	
PALLET, 40" X 48" STEEL STRAPPING, 3/4" - SEAL FOR 3/4" STRAPPIN STAPLE, 3/4" X 15/16" CENTER SUPPORT PIECE, 2" X 4" X BOX HEIGHT	G6 REQI G 2 REQI	6.69 LBS	

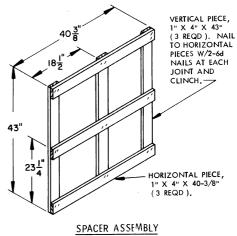


## **GENERAL NOTES**

- 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 UNIT-17FD.
- C. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR 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 DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING ----- DRAWING 19-48-4115-5PA1002
TRUC KLOADING --- DRAWING 19-48-4117-11PA1003
STORAGE ------ DRAWING 19-48-4118-1-2-3-4-1429PA1002

- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING EXPELIING CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE TITLE PAGE, 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.
- J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 11'-6", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 12'-10". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 27-1/2", A GROSS UNIT WEIGHT OF 661 POUNDS, AND A UNIT CUBE OF 30.2 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER, CONVENTIONAL VAN TRAILER OR CONVENTIONAL OR HIGH-CAPACITY 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.



(1 REQD)