

APPENDIX 129A

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

ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM
(APOBS) PACKED 1 PER SHIPPING AND STORAGE
CONTAINER, UNITIZED 4 CONTAINERS PER 42" X
53" PALLET; APPROX BOX SIZE 44-7/64" L X
30-13/64" W X 17-13/64" H

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

U.S. ARMY MATERIEL COMMAND DRAWING			
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	JANUARY 1993		
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	DIVISION	DRAWING
	19	48	4116/ 129A
			FILE
			20PA 1002

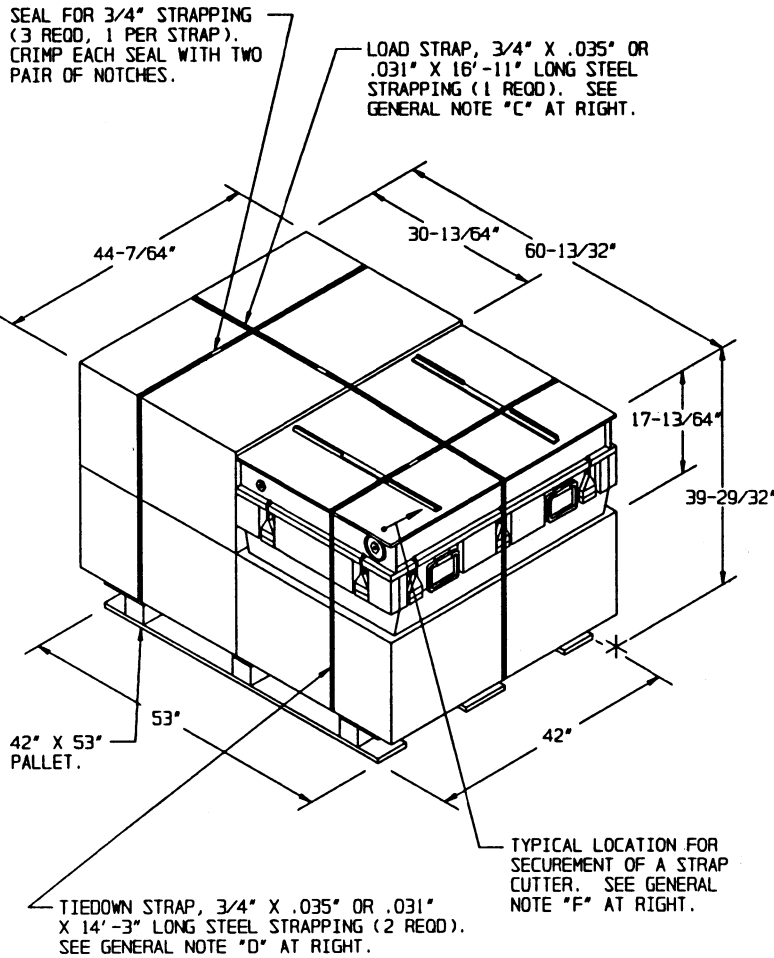
DO NOT SCALE

PALLET UNIT DATA					
ITEMS INCLUDED		HAZARD CLASSIFICATION ●			WEIGHT (LBS)
NSN	DODIC	CG CLASS	DD CLASS	COMP GROUP	
UNASSIGNED			1.1	D	1,014

● 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 CONTAINERS AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAP MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING CONTAINERS ON THE PALLET. THE LOAD STRAP MUST BE TENSIONED AND SEALED PRIOR TO 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 LOAD STRAP HAS BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR UNLOADING 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
 - COMMERCIAL CONTAINER - - - - - 19-48-4153-15PA1002
 - MILVAN - - - - - 19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING APOBS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE SHIPPING AND STORAGE CONTAINER DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. FOR ADDITIONAL DETAILS OF THE SHIPPING AND STORAGE CONTAINER SEE DEPARTMENT OF THE NAVY UNITED STATES MARINE CORPS DRAWING NUMBER 87012 A5000. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- 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 ITEMS COVERED BY THIS APPENDIX.



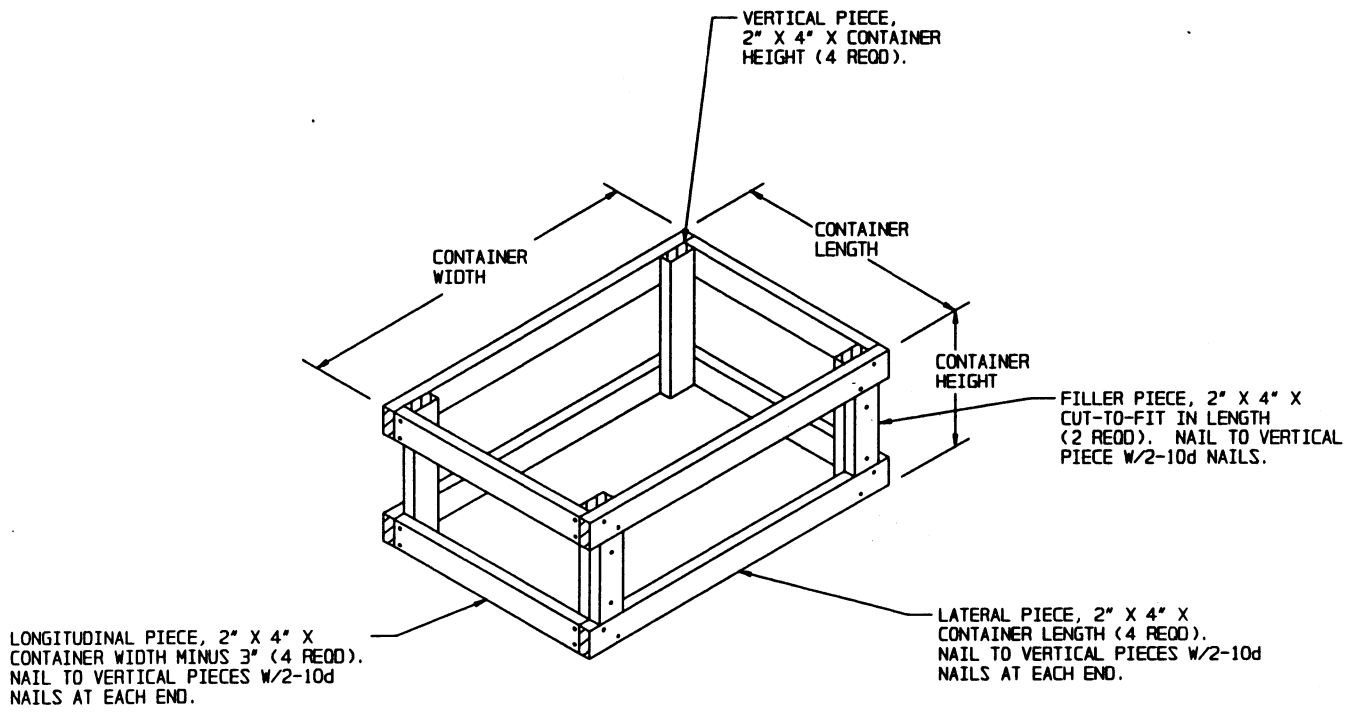
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

4 CONTAINERS OF APOBS (1 PER CONTAINER) AT 230 LBS - -	920 LBS (APPROX)
DUNNAGE - - - - -	4 LBS
PALLET - - - - -	90 LBS
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TOTAL WEIGHT - - - - -	1,014 LBS (APPROX)
CUBE - - - - -	61.5 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 42" X 53" - - - - -	1 REOD - - - - -	90 LBS
STEEL STRAPPING, 3/4" - 45.42' REOD - - - - -		3.24 LBS
SEAL FOR 3/4" STRAPPING - - - - -	3 REOD - - - - -	NIL



FILLER ASSEMBLY
 (FOR MINUS ONE BOX)