

APPENDIX 43R

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

CANISTER LOADING ASSEMBLY FOR CARTRIDGE
81MM, PACKED 20 PER M548 METAL BOX,
UNITIZED 24 BOXES PER 40" X 48" PALLET;
APPROX BOX SIZE 18-19/32" L X 8-19/64" W
X 14-19/32" H

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

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U.S. ARMY MATERIEL COMMAND DRAWING				
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U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL		JULY 1996		
		CLASS	DIVISION	DRAWING
		19	48	4116/ 43R
				FILE
				20PA 1002

DO NOT SCALE

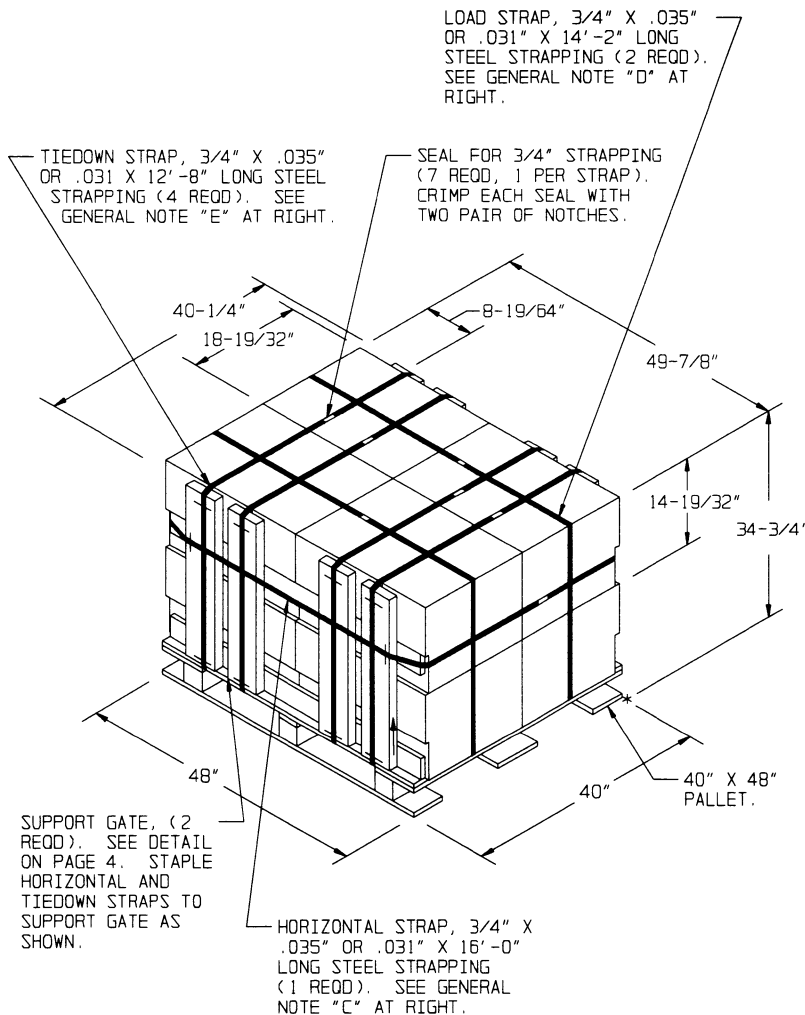
PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION		APPROX WEIGHT LBS
NSN	DODIC	OD CLASS	COMP GROUP	
1315-				
01-418-4738	----	1.3	G	1,866
01-418-4739	----	1.3	G	1,866

- 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 BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. INSTALL THE HORIZONTAL STRAP TO ENCIRCLE THE TOP LAYER OF BOXES ON THE PALLET. NOTE THAT THE STRAP WILL BE LOCATED AS SHOWN, ALIGNED WITH THE HORIZONTAL PIECE OF THE "SUPPORT GATE". HORIZONTAL STRAP MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN AND LOAD STRAPS.
- D. 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.
- E. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN, ALIGNED WITH THE VERTICAL PIECES OF THE "SUPPORT GATE". TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD AND HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.
- F. 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
- 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 CANISTER LOADING ASSEMBLIES 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.
- J. THE STYLE 1 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.
- K. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES.



PALLET UNIT

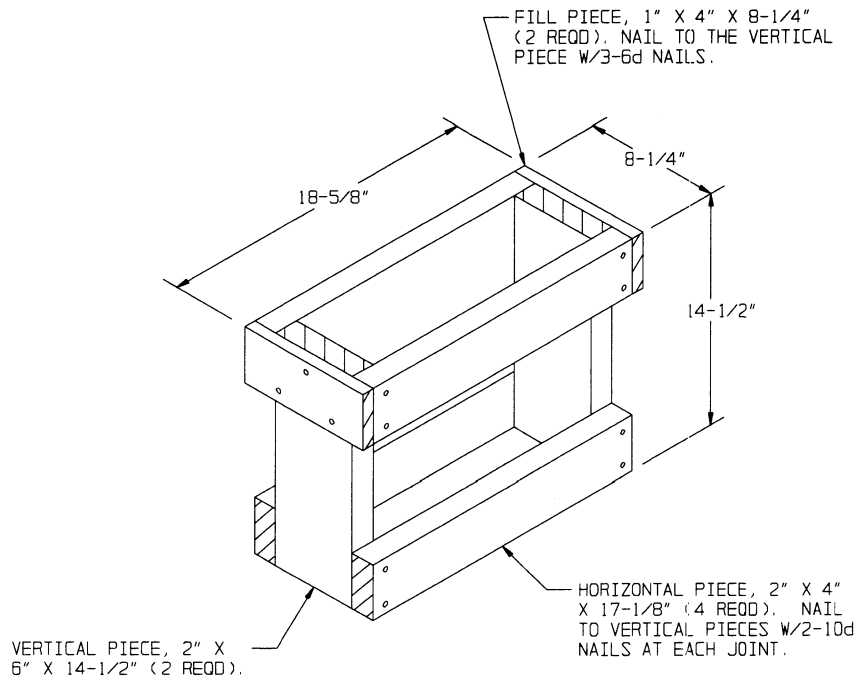
SEE GENERAL NOTE "B" AT RIGHT.

24 BOXES OF CANISTER LOADING ASSY (20 PER BOX) AT 72 LBS	-	1,728 LBS (APPROX)
DUNNAGE	-	58 LBS
PALLET	-	80 LBS

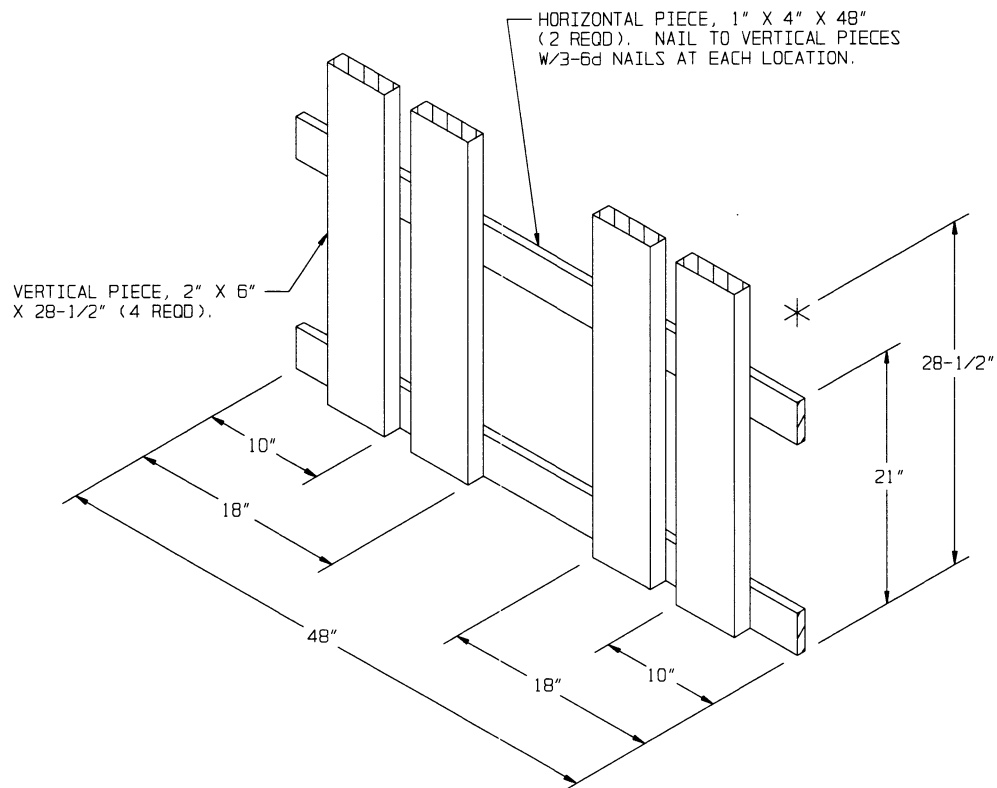
TOTAL WEIGHT	- - - - -	1,866 LBS (APPROX)
CUBE	- - - - -	40.4 CU FT (APPROX)

BILL OF MATERIAL

LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	16.00	5.33
2" X 6"	19.00	19.00
NAILS	NO. REQD	POUNDS
6d(2")	48	0.28
PALLET, 40" X 48" - - - - 1 REQD - - - - 80 LBS		
STEEL STRAPPING, 3/4" - 95.00' REQD - - - - 8.48 LBS		
SEAL FOR 3/4" STRAPPING - - 7 REQD - - - - NIL		
STAPLE - - - - - 20 REQD - - - - NIL		



FILLER ASSEMBLY
(FOR MINUS ONE BOX)



SUPPORT GATE
(2 REQD)