APPENDIX 13B

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

CTG, CAL .45, MATCH, WAD CUTTER, PACKED 2,000 PER WIREBOUND BOX, UNITIZED 36 BOXES PER 35" X 45-1/2" PALLET; APPROX BOX SIZE 16" L X 13-1/4" W X 9" 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

APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND		DRAFTSMAN	BETTY J. KUNDERT	
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APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND		LOGISTICS ENGINEERING OFFICE		
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL		OCTOBER 1991		

DO NOT SCALE			CLASS	DIVISION	DRAWING	FILE
			19	48	4116/ 13B	20PA 1002

PALLET UNIT DATA					
ITEMS INCLUDED		HAZARD CLASSIFICATION ●			APPROX WEIGHT LBS
NSN	DODIC	CG CLASS	HAZARD CLASS AND DIVISION		
			QD CLASS	COMP GROUP	
1305-00-892-4230	A482	----	1.4	S	3,026

● 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).

TIEDOWN STRAP, 3/4" X .035" OR .031" X 13'-9" LONG STEEL STRAPPING (5 REQD). SEE GENERAL NOTE "D" AT RIGHT.

SEAL FOR 3/4" STRAPPING (8 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.

36"   9"   16"   48"

1-1/2" +1/2" -0

13-1/4"

45-1/4"

1-1/2" +1/2" -0

35" X 45-1/2" PALLET.   45-1/2"   35"

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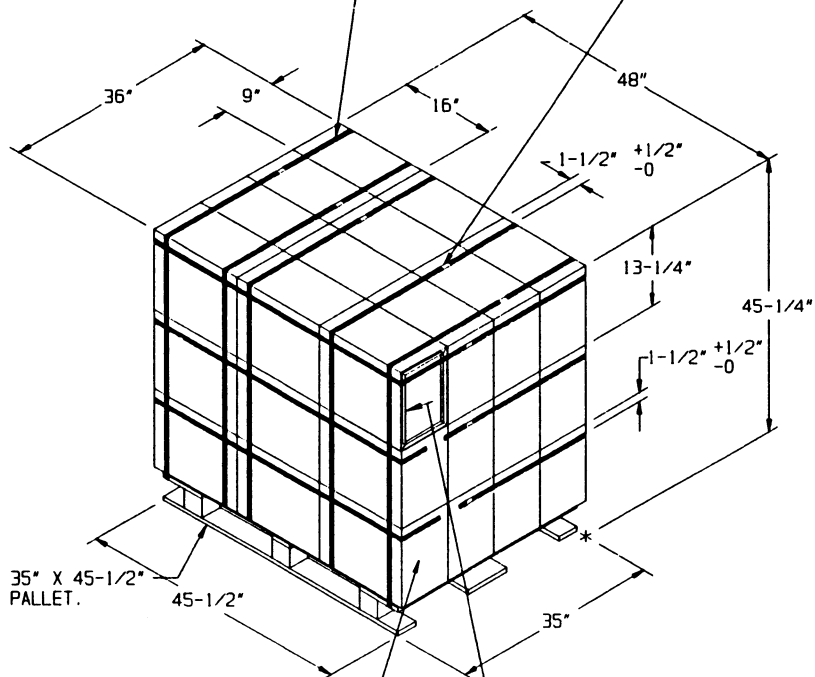
TYPICAL LOCATION FOR SECUREMENT OF A STRAP CUTTER. SEE GENERAL NOTE "F" AT RIGHT.

HORIZONTAL STRAP, 3/4" X .035" OR .031" X 15'-0" LONG STEEL STRAPPING (3 REQD). SEE GENERAL NOTE "C" AT RIGHT.

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 EACH HORIZONTAL STRAP TO ENCIRCLE A LAYER OF BOXES ON THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, NEAR THE TOP OF EACH LAYER. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.

D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER BOARDS OF THE PALLET. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, NEAR THE SIDE CLEATS OF THE END PANELS OF THE BOX. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL 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
   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 BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.

H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING .45 CALIBER CARTRIDGES 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 1A 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)

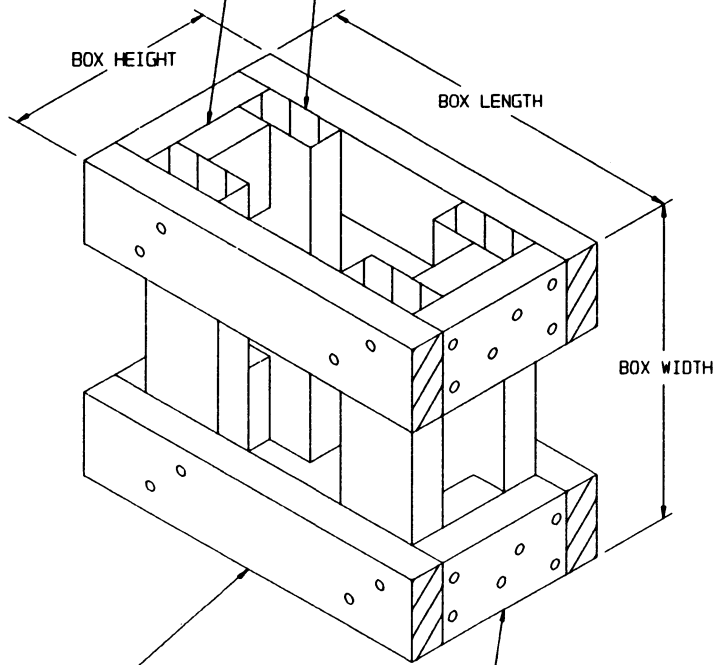36 BOXES OF .45 CALIBER CARTRIDGE (2,000 PER BOX) @ 82 LBS - 2,952 LBS (APPROX)
DUNNAGE - 9 LBS
PALLET - 65 LBS

TOTAL WEIGHT - - - - - - - - - - - - - - - 3,026 LBS (APPROX)
CUBE - - - - - - - - - - - - - - - - - - - 45.3 CU FT (APPROX)

BILL OF MATERIAL			
PALLET, 35" X 45-1/2" - - - - - - -	1 REQD	- - -	65 LBS
STEEL STRAPPING, 3/4" - - -	113'.75 REQD	- -	8.13 LBS
SEAL FOR 3/4" STRAPPING - - - - -	8 REQD	- - - -	NIL

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END SUPPORT PIECE, 2" X 4" X
BOX HEIGHT MINUS 6" (4 REQD).

VERTICAL PIECE, 2" X 4" X
BOX WIDTH (4 REQD).

BOX HEIGHT

BOX LENGTH

BOX WIDTH

LONGITUDINAL PIECE, 2" X 4" X
BOX LENGTH (4 REQD). NAIL TO
THE VERTICAL PIECES W/2-10d
NAILS AT EACH END.

LATERAL PIECE, 2" X 4" X BOX HEIGHT MINUS 3"
(4 REQD). NAIL TO THE VERTICAL PIECES W/2-10d
NAILS AT EACH END AND TO THE END SUPPORT PIECE
W/2-10d NAILS.

FILLER ASSEMBLY

(FOR MINUS ONE BOX)

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