

APPENDIX 14A

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

CARTRIDGE, CALIBER .50, PACKED VARIOUS QUANTITIES
IN WOODEN BOX, UNITIZED 36 BOXES PER 35" X
45½" PALLET; APPROX BOX SIZE 15⅛" L X 13¼" W X
11⅛" H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ①				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1305-						
00-028-6588	A533	C	I	1.4	G	3,060
00-028-6590	A533	C	I	1.4	G	3,060
00-028-6594	A564	C	I	1.4	G	3,060
00-028-6596	A547	C	I	1.4	G	3,096
00-028-6598	A541	C	I	1.4	G	3,089
00-028-6600	A543	C	I	1.4	G	3,060
00-028-6605	A577	C	I	1.4	G	3,060
00-568-5651	A532	C	I	1.4	G	3,089
00-752-8040	A587	C	I	1.4	G	3,060
00-028-6591	A534	C	I	1.4	G	3,132
00-555-4059	A545	C	I	1.4	G	3,132

① 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).

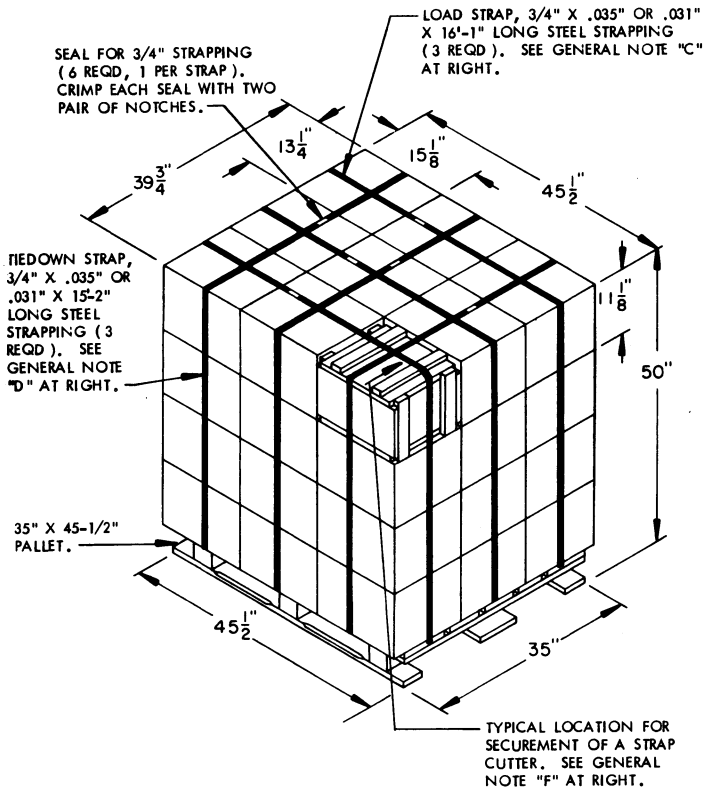
NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

DO NOT SCALE

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U. S. ARMY DARCOM DRAWING					
JULY 1983					
	CLASS	DIVISION	DRAWING	FILE	
	19	48	4116/14A	20PA 1002	

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. THE LOAD STRAPS WILL BE INSTALLED THROUGH THE STRAP SLOTS OF A PALLET PRIOR TO PLACING BOXES ON THE PALLET.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL BE TENSIONED AND SEALED PRIOR TO THE LOAD STRAPS.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
 - CARLOADING ----- DRAWING 19-48-4115-5PA1002
 - TRUCKLOADING ----- DRAWING 19-48-4117-11PA1003
 - STORAGE ----- DRAWING 19-48-4118-1-2-3-4-14-22PA1002
- 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 .50 CALIBER CARTRIDGES 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, 1 LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-4", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-3". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 38-7/8", A GROSS UNIT WEIGHT OF 2,312 LBS, AND A UNIT CUBE OF 40.7 CU FT. 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.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

36 BOXES OF .50 CALIBER CARTRIDGE (2 CANS PER BOX) @ 83 LBS -- 2,988 LBS (APPROX)
 DUNNAGE ----- 7 LBS
 PALLET ----- 65 LBS

TOTAL WEIGHT ----- 3,060 LBS (APPROX)
 CUBE ----- 52.3 CU FT (APPROX)

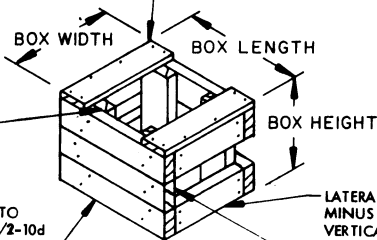
BILL OF MATERIAL

PALLET, 35" X 45-1/2" -----	1 REQD -----	65 LBS
STEEL STRAPPING, 3/4" -----	93,75 REQD -----	6,70 LBS
SEAL FOR 3/4" STRAPPING ---	6 REQD -----	NIL

TIE PIECE, 1" X 4" X BOX WIDTH (2 REQD).
 NAIL TO LONGITUDINAL PIECES W/2-6d NAILS
 AT EACH END AND TO LATERAL PIECES
 W/2-6d NAILS.

VERTICAL
 PIECE, 2" X 4"
 X BOX HEIGHT
 MINUS 3/4"
 (4 REQD).

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



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

FILLER ASSEMBLY

(FOR MINUS ONE BOX)

FILL PIECE, 2" X 4" (RIPPED-TO-FIT) X
 BOX LENGTH (1 REQD). NAIL TO VERTICAL
 PIECES W/2-10d NAILS AT EACH END.