

APPENDIX 14C

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

CARTRIDGE, CALIBER .50, PACKED VARIOUS QUANTITIES
IN WOODEN BOX, UNITIZED 75 BOXES PER 40" X
48" PALLET; APPROX BOX SIZE 14 $\frac{1}{4}$ " L X 10 $\frac{1}{8}$ " W
X 7 $\frac{7}{8}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1305-						
00-028-6294	A525	C	I	1.4	C	3,389
00-028-6378	A559	C	I	1.4	C	2,864
00-028-6447	A531	C	I	1.4	G	3,239
00-028-6463	A540	C	I	1.4	G	3,314
00-028-6480	A533	C	I	1.4	G	3,239
00-028-6483	A547	C	I	1.4	G	3,389
00-028-6493	A541	C	I	1.4	G	3,239
00-028-6495	A542	C	I	1.4	G	3,239
00-028-6496	A543	C	I	1.4	G	3,464

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

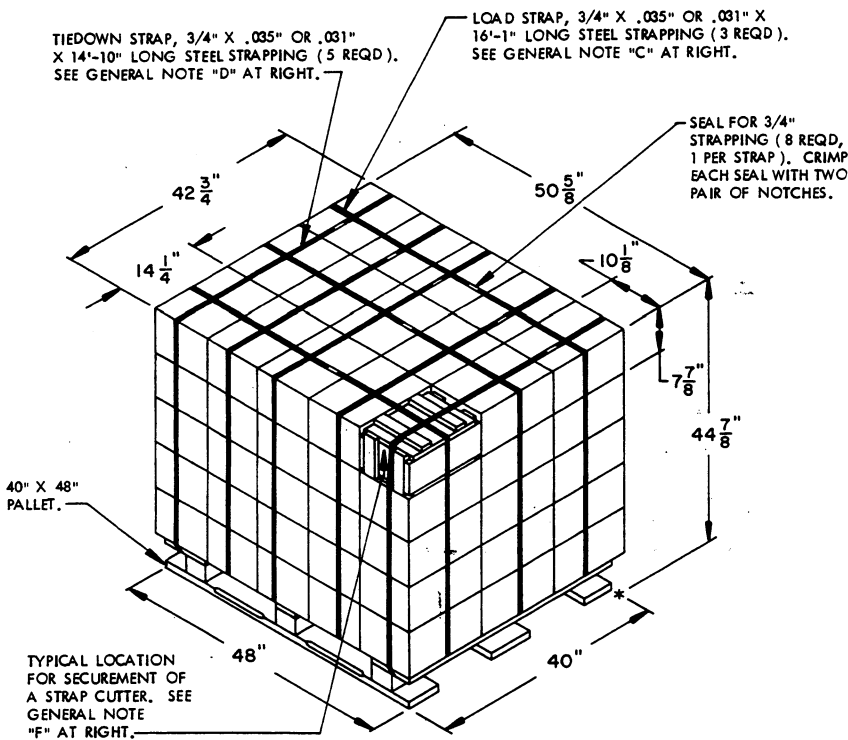
REVISIONS				PRACTICIAN <i>[Signature]</i>	PROJ ENG <i>[Signature]</i>
				CHECKER <i>[Signature]</i>	LOG ENGINE OFFICE <i>[Signature]</i>
				APPROVED, U. S. ARMY ARMAMENT MATERIAL READINESS COMMAND	
				<i>[Signature]</i>	<i>[Signature]</i>
				DRBAR-LEP	DRBAR-TMD
				APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)	
				<i>[Signature]</i>	
				U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
				U. S. ARMY DARCOM DRAWING	
				FEBRUARY 1983	
	CLASS	DIVISION	DRAWING	FILE	
	19	48	4116/ 14C	20PA 1002	

DO NOT SCALE

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 MUST BE 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 DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED BETWEEN THE VERTICAL END CLEATS OF THE BOXES. 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
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 19-48-4127-20-P1000.
- 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, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-6", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-10". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 37", A GROSS UNIT WEIGHT OF 2,782 POUNDS, AND A UNIT CUBE OF 46.3 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.



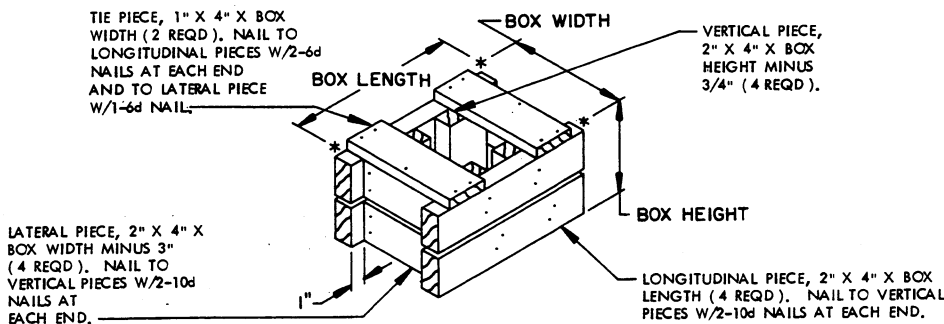
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

75 BOXES OF .50 CALIBER CARTRIDGE (VARIOUS QUANTITIES PER BOX) @ 44 LBS-----	3,300 LBS (APPROX)
DUNNAGE -----	9 LBS
PALLET-----	80 LBS
TOTAL WEIGHT-----	3,389 LBS (APPROX)
CUBE-----	56.2 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 40" X 48"-----	1 REQD	80 LBS
STEEL STRAPPING, 3/4"-----	122.42 REQD	8.74 LBS
SEAL FOR 3/4" STRAPPING-----	8 REQD	NIL



FILLER ASSEMBLY

(FOR MINUS ONE BOX)