APPENDIX 157A

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

FUZE, PROXIMITY, PACKED VARIOUS QUANTITIES PER METAL BOX, UNITIZED 27 BOXES PER 35" X 45\frac{1}{2}" PALLET; APPROX BOX SIZE 15\frac{1}{4}" L X 12" W X 14\frac{1}{2}" H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION €				WEIGHT
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
1390- 00-301-1094 00-305-0866 00-305-0867 00-309-4272 00-309-4966 00-309-4971 00-309-4973 00-309-4974 00-324-1421 00-6926-4055 00-926-4055	N412 N412 N411 N412 N412 N411 N412 N411 N411	000000000000000000000000000000000000000		(04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2 (04)1.2	B B B B B B B B B B B B B B B B B B B	2, 718 2, 670 2, 691 1, 752 1, 887 1, 752 1, 752 1, 752 1, 752 1, 887 2, 670 2, 691 1, 887

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

• 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). REVISIONS

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U. S. ARMY DARCOM DRAWING

DECEMBER 1983

CLASS DIVISION DRAWING FILE

19 48 4116/ 20PA

157A 1002

DO NOT SCALE

LOAD STRAP, 3/4" X .035" OR .031" X 16'-0" LONG STEEL STRAPPING (3 REQD). SEE GENERAL NOTE "C" AT RIGHT. SEAL FOR 3/4" STRAPPING (6 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES, -45 3 36 12"-·15‡ TIELOWN STRAP, 3/4" X .035" OR .031" X 14'-4" LONG STEEL STRAPPING (3 REQD), SEE GENERAL NOTE "D" AT RIGHT, 49" 35" X 45-1/2" PALLET. 45눈 35" TYPICAL LOCATION FOR SECUREMENT OF A STRAP CUTTER. WIRE TIE TO STRAP. SEE GENERAL NOTE "F" AT RIGHT. PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

BILL OF MATERIAL PALLET, 35" X 45-1/2" ----- 1 REQD ------ 65 LBS STEEL STRAPPING, 3/4" ----- 94.00' REQD ------ 6,50 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/1-6d NAIL.

BOX
WIDTH

BOX LENGTH

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

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

FILLER ASSEMBLY
(FOR MINUS ONE BOX)

GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CON-JUNCTION 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 THREADED THROUGH THE STRAP SLOTS OF THE PALLET. LOAD STRAPS WILL BE TENSIONED AND SEALED PRIOR TO TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL AFTER 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.

- 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 PROXIMITY FUZES 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 DEPICTEDAT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 11'-11", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 13'-7". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 34-1/2", A GROSS UNIT WEIGHT OF 1,835 POUNDS, AND A UNIT CUBE OF 32.9. 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 BOX-CAR. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMANC AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.