

APPENDIX 156K

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

FUZE, POINT DETONATING, PACKED 20 PER
WOODEN BOX, UNITIZED 45 BOXES PER 35" X
45 $\frac{1}{2}$ " PALLET; APPROX BOX SIZE 15 $\frac{3}{8}$ " L X
13 $\frac{1}{2}$ " W X 8" H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ^①				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1990- 00-324-1419	N331	C	III	(04)1.2	B	3,537
00-995-9145	N331	C	III	(04)1.2	B	3,537

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

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).

DO NOT SCALE

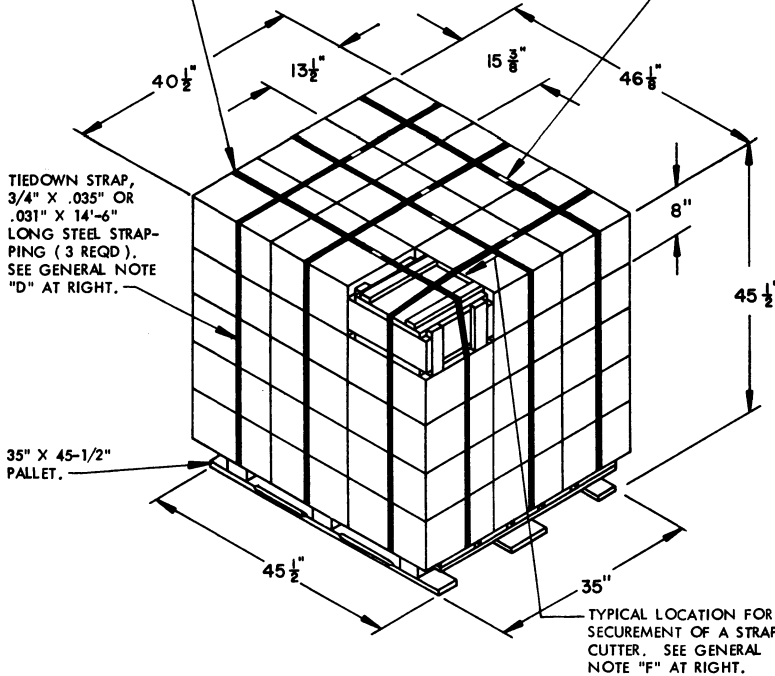
REVISIONS				DRAFTSMAN MJK	PROJ ENG B.B.
				CHECKER RSM	LOG ENGRG OFFICE John A. Bork
APPROVED, U. S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND					
				DRG MGR John A. Bork	DRSNC AT MD
APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)					
U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL					
U. S. ARMY DARCOM DRAWING NOVEMBER 1983					
				CLASS	DIVISION
				DRAWING	FILE
				19	48
				4116/ 156K	20PA 1002

LOAD STRAP, 3/4" X .035" OR .031" X 15'-6" 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.

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 THREADED THROUGH THE STRAP SLOTS OF THE PALLET.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL BE TENSIONED AND SEALED PRIOR TO LOAD STRAPS.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUT-LOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
 - CARLOADING-----DRAWING 19-48-4115-SPA1002
 - 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 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 DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, TWO LAYERS OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 11'-10", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 12'-10". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 29'-1/2", A GROSS UNIT WEIGHT OF 2,150 POUNDS, AND A UNIT CUBE OF 31.9 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.

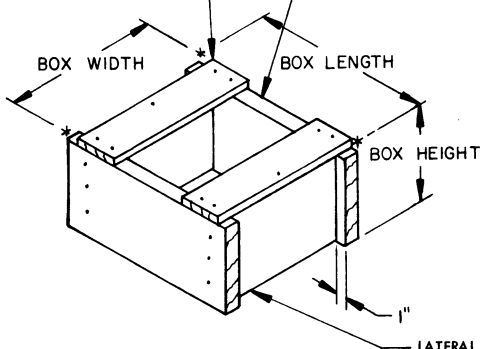
45 BOXES OF FUZE (20 PER BOX) @ 77 LBS	-----	3,465 LBS (APPROX)
DUNNAGE	-----	7 LBS
PALLET	-----	65 LBS
TOTAL WEIGHT	-----	3,537 LBS (APPROX)
CUBE	-----	49.2 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 35" X 45-1/2" -----	1 REQD -----	65 LBS
STEEL STRAPPING, 3/4" -----	90.00' REQD -----	6.43 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 PIECE W/1-6d NAIL.

LONGITUDINAL PIECE, 2" X 8" (RIPPED TO BOX HEIGHT MINUS 3/4") X BOX LENGTH (2 REQD). NAIL TO LATERAL PIECES W/3-10d NAILS AT EACH END.



FILLER ASSEMBLY

(FOR MINUS ONE BOX)

LATERAL PIECE, 2" X 8" (RIPPED TO BOX HEIGHT MINUS 3/4") X BOX WIDTH MINUS 3" (2 REQD).