

APPENDIX 157B

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

FUZE, PROXIMITY, PACKED 16 PER WIREBOUND
BOX, UNITIZED 48 BOXES PER 40" X 48"
PALLET; APPROX BOX SIZE 14-5/8" L X
12-13/16" W X 11-15/16" H

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

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U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	DIVISION	DRAWING
REVISION NO. 1	MAY 1996	19	48
SEE THE REVISION LISTING ON PAGE 2		4116/ 157B	20PA 1002

DO NOT SCALE

PALLET UNIT DATA				
ITEMS INCLUDED		HAZARD CLASS AND DIVISION		APPROX WEIGHT LBS
NSN	DODIC	OD CLASS	COMP GROUP	
1390-00-935-9246	N462	1.1	D	3,114
00-182-3132	N463	1.1	D	3,114

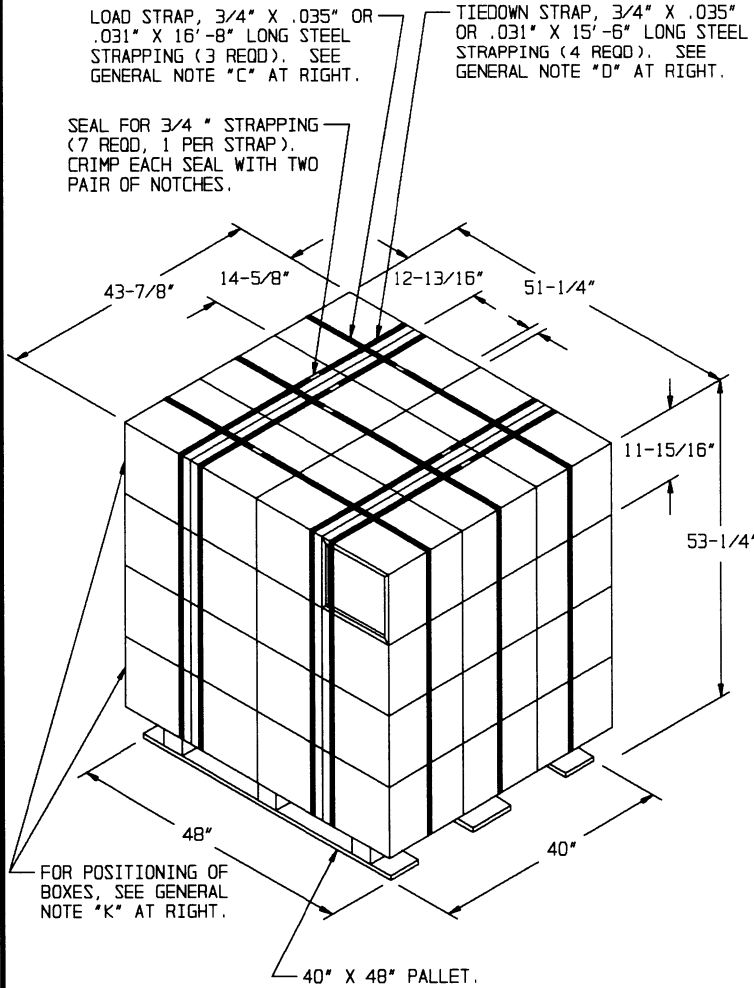
● HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISION

REVISION NO. 1, DATED MAY 1996, CONSISTS OF:

1. CORRECTING OVERALL UNIT HEIGHT.
2. DELETING GENERAL NOTE RELATING TO STRAP CUTTER AND RE-LETTERING OTHER GENERAL NOTES.
3. ADDING GENERAL NOTE RELATING TO POSITIONING OF BOXES.

GENERAL NOTES



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

48 BOXES OF PROXIMITY FUZE (16 PER BOX) AT 63 LBS	---	3,024 LBS (APPROX)
DUNNAGE	-----	10 LBS
PALLET	-----	80 LBS

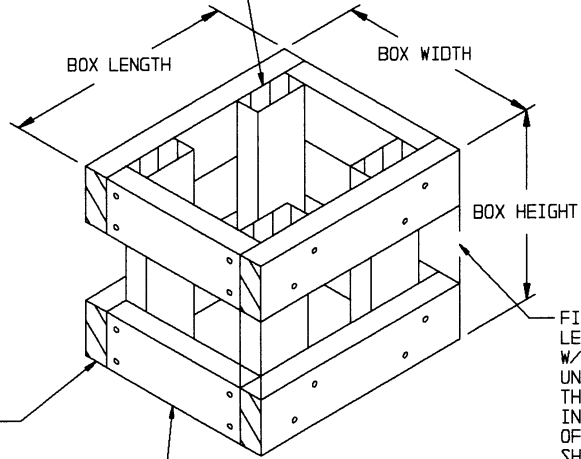
TOTAL WEIGHT	-----	3,114 LBS (APPROX)
CUBE	-----	69.3 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 40" X 48"	-----	1 REQD	-----	80 LBS	
STEEL STRAPPING, 3/4"	-----	112.00'	REQD	-----	10.00 LBS
SEAL FOR 3/4" STRAPPING	-----	7 REQD	-----	NIL	

- 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 TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD 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
 - END OPENING ISO
 - CONTAINER - - - - 19-48-4153-15PA1002
 - MILVAN - - - - 19-48-4166-15PA1003
 - SIDE OPENING ISO
 - CONTAINER - - - - 19-48-4267-15PA1009
- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. 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 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.
- H. THE STYLE 1 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 UNITIZATION OF THE ITEMS COVERED BY THIS APPENDIX.
- 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'-8". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 41-1/4", A GROSS UNIT WEIGHT OF 2,355 POUNDS, AND A UNIT CUBE OF 53.7 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER. 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.
- K. BOXES LOCATED IN THE TOP LAYER OF THE 40" SIDES OF THE PALLET WILL BE POSITIONED WITH THEIR TOPS UPWARD. BOXES LOCATED IN THE BOTTOM LAYER ON THE 40" SIDES OF THE PALLET WILL BE POSITIONED WITH THEIR TOPS DOWNWARD.

VERTICAL PIECE, 2" X 4" X
BOX HEIGHT (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.

FILL PIECE, 2" X 6" (RIPPED TO FIT) X BOX
LENGTH (AS REQD). NAIL TO VERTICAL PIECES
W/2-10d NAILS AT EACH END. NOTE: WHEN A
UNIT HAS MORE THAN EIGHT BOXES OMITTED,
THE FILLER ASSEMBLY OR ASSEMBLIES LOCATED
IN AN OUTER STACK ON THE 40" SIDE OR SIDES
OF THE PALLET WILL REQUIRE A FILL PIECE AS
SHOWN.

FILLER ASSEMBLY

(FOR MINUS ONE BOX)