

APPENDIX 57B

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

**FUZE, BOMB, NOSE, M904E3, PACKED 12 PER
METAL BOX, UNITIZED 27 BOXES PER 35" X
45-1/2" PALLET; APPROX BOX SIZE 15-3/8" L
X 12-3/8" W X 14-9/16" 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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DISTRIBUTION IS UNLIMITED.

U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, U.S. ARMY OPERATIONS SUPPORT COMMAND</p> <p><i>David A. Pastovich</i></p> <p style="text-align: right;">AMSTA-AR-WEP-RP</p>	<p>CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL/DET THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p>			
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p><i>Charles D. Fico</i></p> <p style="text-align: right;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<p>DO NOT SCALE</p>		<p>DECEMBER 1983</p>	
	ENGINEER OR TECHNICIAN	BASIC REV.	<p>WILLIAM R. FRERICHS</p> <p>LAURA A. FIEFFER</p>	
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<p>SEE THE REVISION LISTING ON PAGE 2</p>				
	CLASS	DIVISION	DRAWING	FILE
	19	48	4116/ 57B	20PA1002

PROJECT FSA 146/57B-75

PALLET UNIT DATA				
ITEMS INCLUDED		● HAZARD CLASS AND DIVISION	● COMPAT-IBILITY GROUP	APPROX WEIGHT LBS
NSN	DODIC			
1325-00-478-5924	F830	1. 1	D	1, 424

- 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

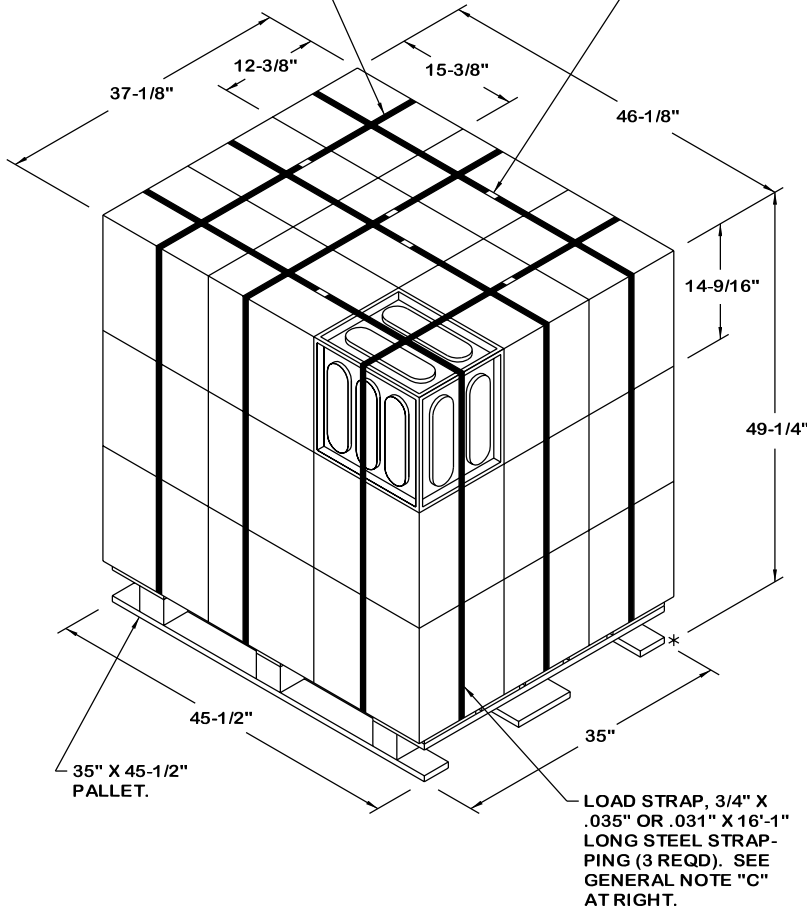
REVISION NO. 1, DATED DECEMBER 2002, CONSISTS OF:

1. UPDATING THE DODIC AND COMPATIBILITY GROUP IN THE "PALLET UNIT DATA CHART".
2. ADDING BOX DRAWING GENERAL NOTE.
3. REMOVING REFERENCE TO STRAP CUTTER.
4. UPDATING DRAWING FORMAT.

GENERAL NOTES

TIEDOWN STRAP, 3/4" X .035" OR .031" X 14'-7" LONG STEEL STRAPPING (3 REQD). SEE GENERAL NOTE "D" AT RIGHT.

SEAL FOR 3/4" STRAPPING (6 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

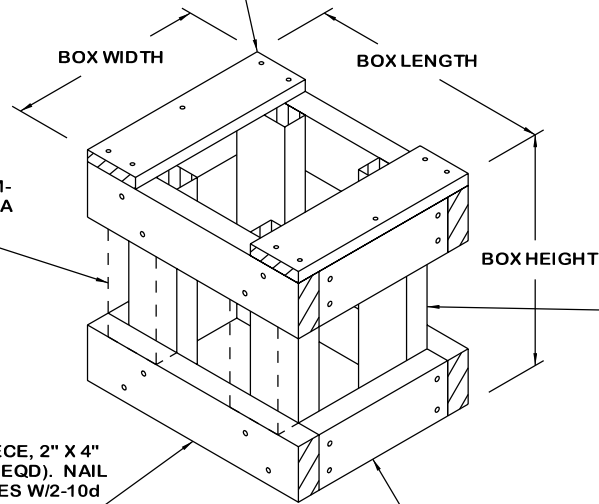
27 BOXES OF BOMB NOSE FUZES (12 PER BOX) @ 50 LBS - 1,350 LBS (APPROX)
 DUNNAGE - - - - - 9 LBS
 PALLET - - - - - 65 LBS

TOTAL WEIGHT - - - - - 1,424 LBS (APPROX)
 CUBE - - - - - 48.8 CU FT (APPROX)

BILL OF MATERIAL			
PALLET, 35" X 45-1/2"	- - - -	1 REQD	- - - - 65 LBS
STEEL STRAPPING, 3/4"	- 92.00'	REQD	- - - - 8.21 LBS
SEAL FOR 3/4" STRAPPING	- - - -	6 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 MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF THE 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 REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING BOMB NOSE 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 1A 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 THE UNITIZATION OF 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 12'-2", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 13'-8". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 34'-5/8", A GROSS UNIT WEIGHT OF 972 POUNDS, AND A UNIT CUBE OF 34.3 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO IN TERMODAL FREIGHT CONTAINER, VAN TRAILER, OR 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.
- K. FOR DETAILS OF THE METAL BOX SEE DRAWING 2428771.

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.



SUPPORT PIECE, 2" X 4" X CUT TO FIT
(AS REQD). NAIL TO VERTICAL PIECES
W/2-10d NAILS. NOTE: A FILLER ASSEM-
BLY LOCATED IN AN OUTER STACK ON A
45-1/2" SIDE OF THE PALLET WILL RE-
QUIRE SUPPORT PIECES AS SHOWN.

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 JOINT.

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)