

# APPENDIX 95N

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

PURSUIT DETERRENT MUNITIONS, XM86, PACKED  
12 PER PA19 CONTAINER, 2 CONTAINERS PER  
WIREBOUND BOX, OR TIME DELAY FIRING DEVICE,  
XM147, PACKED 24 PER PA19 CONTAINER, 2 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.

U.S. ARMY MATERIEL COMMAND DRAWING				
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	FEBRUARY 1986			
	CLASS	DIVISION	DRAWING	FILE
REVISION NO. 2	DECEMBER 1992	19	48	4116/ 95N
SEE THE REVISION LISTING ON PAGE 2		20PA	1002	

DO NOT SCALE

PALLET UNIT DATA					
ITEMS INCLUDED		HAZARD CLASSIFICATION ●			APPROX WEIGHT LBS
NSN	DODIC	CG CLASS	HAZARD CLASS AND DIVISION		
			OD CLASS	COMP GROUP	
1345 01-243-5089	K152	X-A	1.1	D	2,491
1375- 01-340-7890	MN11		1.4	B	2,587

- 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

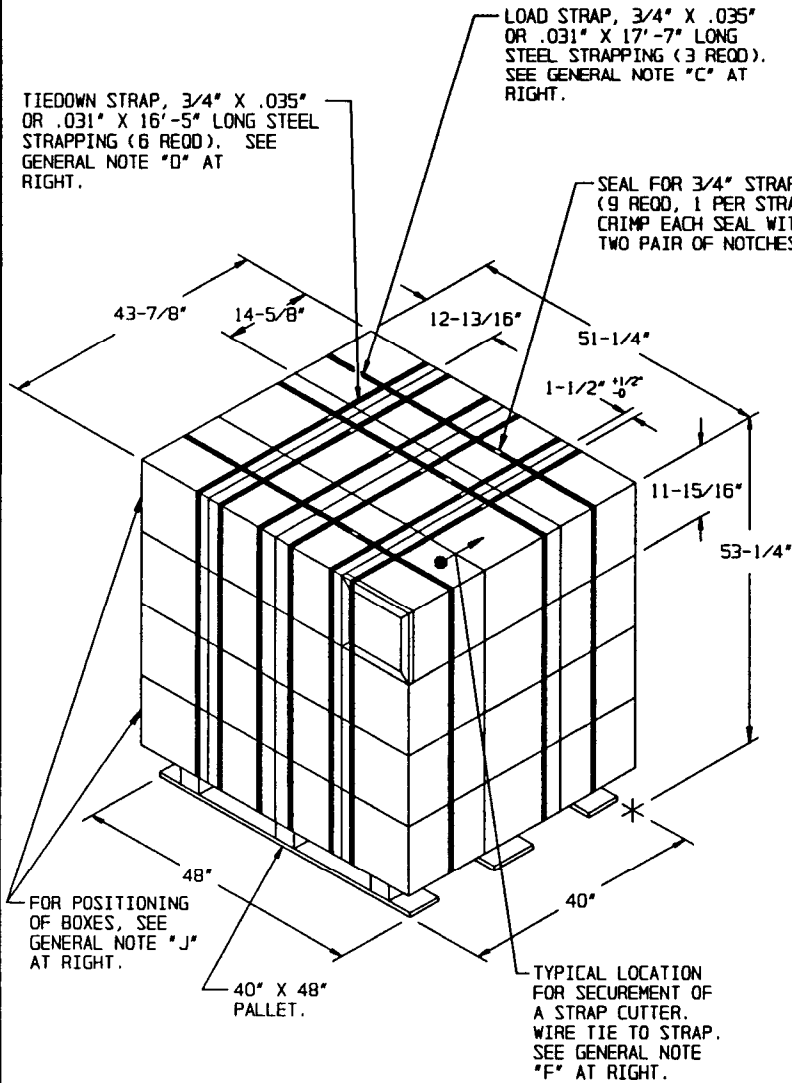
REVISION NUMBER 1. DATED OCTOBER 1987. CONSISTS OF:  
 ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT  
 DATA" CHART.

REVISION NUMBER 2, DATED DECEMBER 1992, CONSISTS OF:  
 ADDING TIME DELAY FIRING DEVICE, XM147, TO PROCEDURE.

**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 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
COMMERCIAL	
CONTAINER -----	19-48-4153-15PA1002
MILVAN -----	19-48-4166-15PA1003
- 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 PURSUIT DETERRENT MUNITIONS OR TIME DELAY FIRING DEVICES 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. POSITION THE THREE OUTBOARD BOXES OF THE BOTTOM LAYER ON THE 40" SIDES OF THE PALLET WITH THE TOPS DOWNWARD, AND THE THREE OUTBOARD BOXES OF THE TOP LAYER ON THE 40" SIDES OF THE PALLET WITH THE TOPS UPWARD.
- K. 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 14'-5" AND LOAD STRAP LENGTHS MUST BE DECREASED TO 15'-8". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 41'-3/8", A GROSS UNIT WEIGHT OF 2,970 POUNDS, AND A UNIT CUBE OF 53.8 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL 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.
- L. 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 THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.



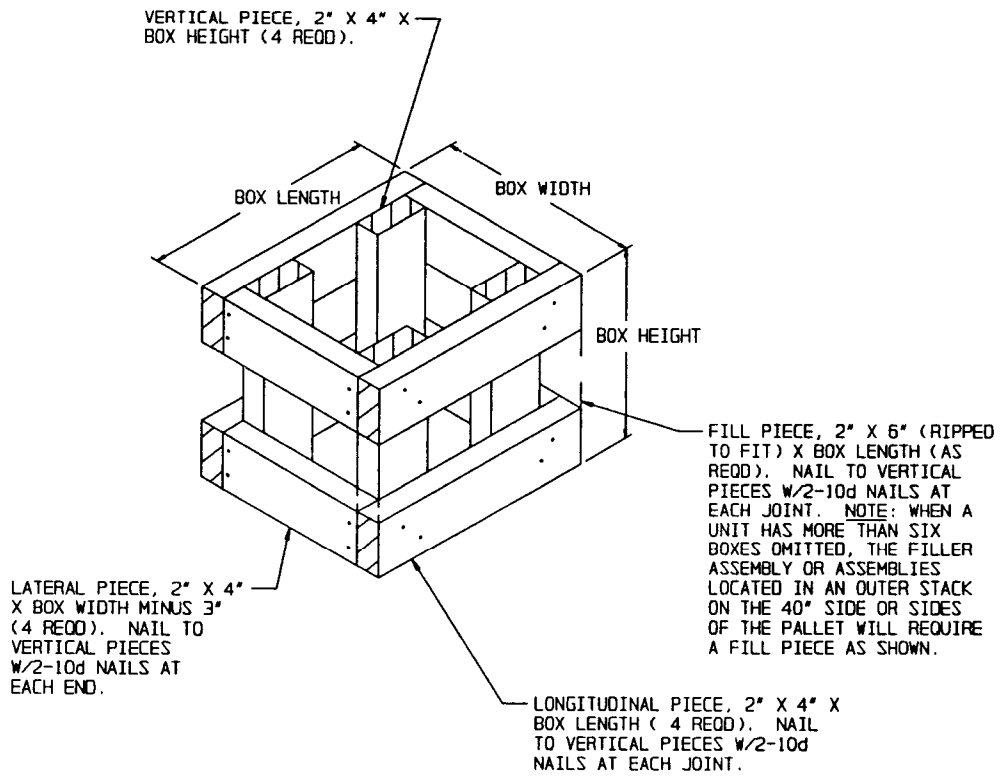
**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT

48 BOXES OF FIRING DEVICES (48 PER BOX) AT 52 LBS --	2,496 LBS (APPROX)
DUNNAGE -----	11 LBS
PALLET -----	80 LBS
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TOTAL WEIGHT -----	2,587 LBS (APPROX)
CUBE -----	69.3 CU FT (APPROX)

**BILL OF MATERIAL**

PALLET, 40" X 48" -----	1 REOD	80 LBS
STEEL STRAPPING, 3/4" -----	151.25' REOD	10.80 LBS
SEAL FOR 3/4" STRAPPING -----	9 REOD	NIL



**FILLER ASSEMBLY**  
(FOR MINUS ONE BOX)