

# APPENDIX 62

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

CARTRIDGE , SIGNAL , PACKED 500 PER WOODEN  
BOX, UNITIZED 12 BOXES PER 35" X 45½" PALLET;  
APPROX BOX SIZE 29" L X 12" W X 12½" H

### REVISIONS

REVISION NO. 1, DATED JULY 1984, CONSISTS OF:

1. CHANGING BOX DIMENSIONS.
2. REORIENTING BOXES ON PALLET.

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ①				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1325- 00-038-4638	F562	C	I	1.4	G	1,031

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**

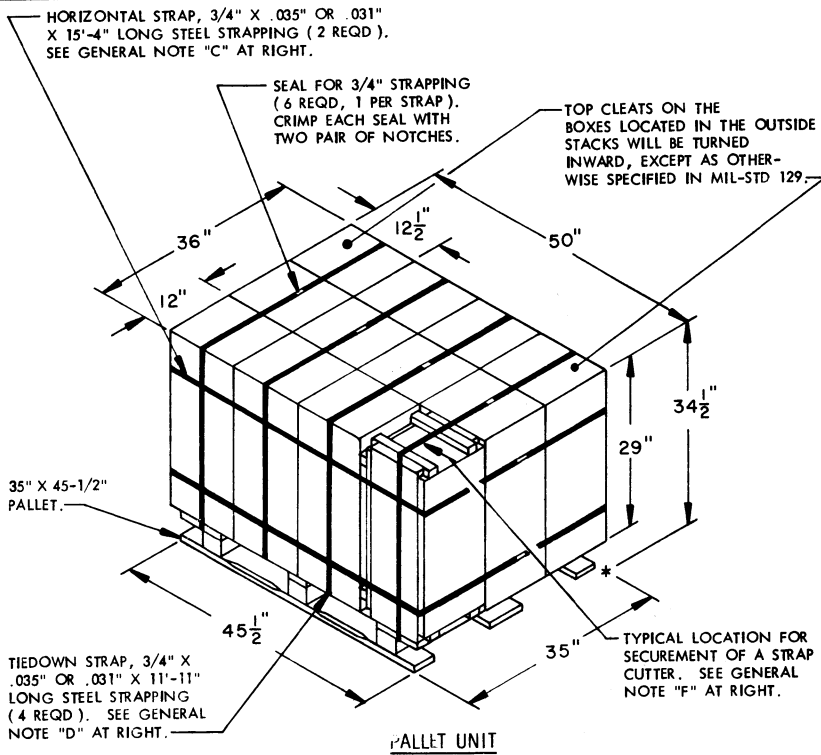
REVISIONS				DRAWN BY B.L.	PROJ ENG WRB/MLW
1	JUL 84	<i>WJE</i>	<i>WJE</i>	<i>WRB/MLW</i>	<i>WJE</i>
				APPROVED, U. S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND	
				<i>WJE</i>	<i>WRB/MLW</i>
				APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIAL DEVELOPMENT AND READINESS COMMAND (DARCOM)	
				<i>John D. Bryant</i>	<i>WRB/MLW</i>
				U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
				U. S. ARMY DARCOM DRAWING	
				FEBRUARY 1984	
		CLASS	DIVISION	DRAWING	FILE
		19	48	4116/ 62	20PA 1002

**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, SPECIFICATION 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. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE THE LAYER OF BOXES ON THE PALLET. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK/ STRINGER BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING ----DRAWING 19-48-4115-5PA1002  
 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 CARTRIDGE, SIGNAL 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. IF THERE IS A NEED TO USE FILLER ASSEMBLIES AND AT LEAST TWO PALLET UNITS ARE BEING CONSTRUCTED, NOT MORE THAN 8 FILLERS WILL BE INSTALLED IN ANY ONE PALLET UNIT. ADDITIONAL FILLERS CAN BE PUT IN A SECOND PALLET UNIT AS REQUIRED WHEN THE QUANTITY OF 8 FILLERS IN THE FIRST REDUCED PALLET UNIT IS INSUFFICIENT TO SATISFY THE TOTAL REDUCTION NEEDED. USING TWO PALLET UNITS TO SATISFY THE PALLETIZATION CRITERIA APPLICABLE TO LESS-THAN-FULL PALLET UNITS IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX, TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.



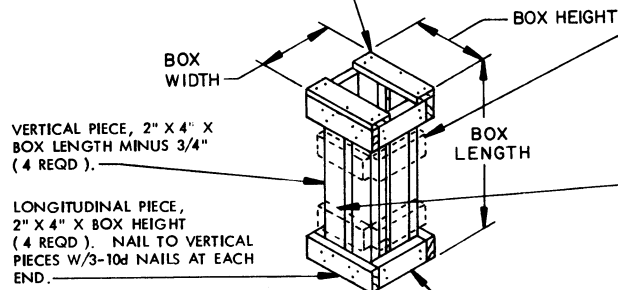
**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

12 BOXES OF SIGNAL CARTRIDGES ( 500 PER BOX ) @ 80 LBS -----	960 LBS ( APPROX )
DUNNAGE -----	6 LBS
PALLET -----	65 LBS
<b>TOTAL WEIGHT -----</b>	<b>1,031 LBS ( APPROX )</b>
<b>CUBE -----</b>	<b>35.9 CU FT ( APPROX )</b>

BILL OF MATERIAL	
PALLET, 35" X 45-1/2"-----	1 REQD ----- 65 LBS
STEEL STRAPPING, 3/4"-----	78.33' REQD ----- 5.60 LBS
SEALS FOR 3/4" STRAPPING-----	6 REQD ----- NIL

TIE PIECE, 1" X 4" X BOX HEIGHT ( 2 REQD ).  
 NAIL TO LONGITUDINAL PIECE W/3-6d  
 NAILS AND TO LATERAL PIECE W/1-6d NAIL  
 AT EACH END.



**FILLER ASSEMBLY**

( FOR MINUS ONE BOX )