

## APPENDIX 102B

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

DISPERSER AND RIOT CONTROL AGENT, CR, M36,  
PACKED 12 PER WOODEN BOX (PPP-B-62I), UNITIZED  
12 BOXES PER 40" X 48" PALLET; APPROX BOX  
SIZE 10 $\frac{3}{8}$ " L X 7 $\frac{1}{4}$ " W X 8 $\frac{5}{8}$ " H

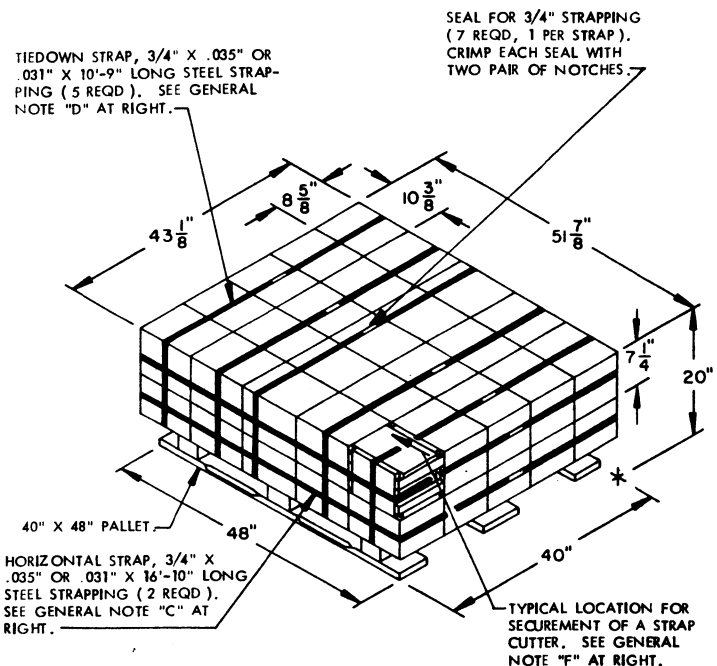
PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ①				WEIGHT
NSN	FODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
UN-ASSIGNED	K532	1R	XI-B	1.4	G	587

**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	PROJ ENG
			dh	NAE/WLF
			CHECKER	LOG ENGRG OFFICE
			GPE	Edu
APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND				
			<i>Martin</i>	<i>B. L. ...</i>
SMCAR-ESK ARMC-TUD				
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND (AMC)				
			<i>John L. Byrd</i>	
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL				
<b>U.S. ARMY AMC DRAWING</b>				
<b>JULY 1986</b>				
CLASS	DIVISION	DRAWING	FILE	
19	48	4116/102B	20PA 1002	



SEAL FOR 3/4" STRAPPING (7 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.

TIEDOWN STRAP, 3/4" X .035" OR .031" X 10'-9" LONG STEEL STRAPPING (5 REQD). SEE GENERAL NOTE "D" AT RIGHT.

HORIZONTAL STRAP, 3/4" X .031" X 16'-10" LONG STEEL STRAPPING (2 REQD). SEE GENERAL NOTE "C" AT RIGHT.

TYPICAL LOCATION FOR SECUREMENT OF A STRAP CUTTER. SEE GENERAL NOTE "F" AT RIGHT.

**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

50 BOXES OF DISPENSERS ( 12 PER BOX ) @ 10 LBS	-----	500 LBS ( APPROX )
DUNNAGE	-----	7 LBS
PALLET	-----	80 LBS
TOTAL WEIGHT	-----	587 LBS ( APPROX )
CUBE	-----	25.9 CU FT ( APPROX )

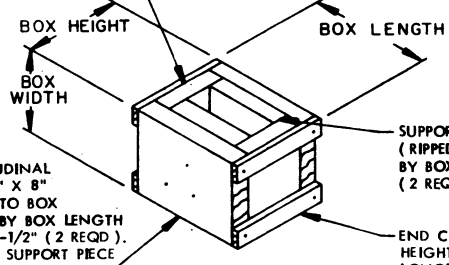
**GENERAL NOTES**

- 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. INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE A 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 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 AMC ( DARCOM ) DRAWINGS ARE APPLICABLE FOR OUTLOADING 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 DISPENSER AND RIOT CONTROL AGENTS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS ( NSN ) THAN WHAT IS SHOWN ON THE TITLE PAGE, PROVIDING THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.

**BILL OF MATERIAL**

PALLET, 40" X 48"-----	1 REQD-----	80 LBS
STEEL STRAPPING, 3/4"-----	87.42' REQD-----	6.24 LBS
SEAL FOR 3/4" STRAPPING-----	7 REQD-----	NIL

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



LONGITUDINAL PIECE, 2" X 8" ( RIPPED TO BOX WIDTH ) BY BOX LENGTH MINUS 1-1/2" ( 2 REQD ). NAIL TO SUPPORT PIECE W/3-10d NAILS.

SUPPORT PIECE, 2" X 8" ( RIPPED TO BOX WIDTH ) BY BOX LENGTH MINUS 4-1/2" ( 2 REQD ).

END CLEAT, 1" X 2" BY BOX HEIGHT ( 4 REQD ). NAIL TO LONGITUDINAL PIECES W/1-6d NAIL AT EACH END.

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