

# APPENDIX 158

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

PRIMER, PERCUSSION, MK2A4, PACKED 500 PER  
WIREBOUND BOX, UNITIZED 48 BOXES PER 40" X 48"  
PALLET; APPROX BOX SIZE 14  $\frac{5}{8}$ " L X 12  $\frac{3}{4}$ " W X 9  $\frac{1}{8}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	( LBS )
1390-00 935-9234	N525	C	III	( 04 ) 1.2	G	1,864
883-6532	N525	C	III	( 04 ) 1.2	G	1,864

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

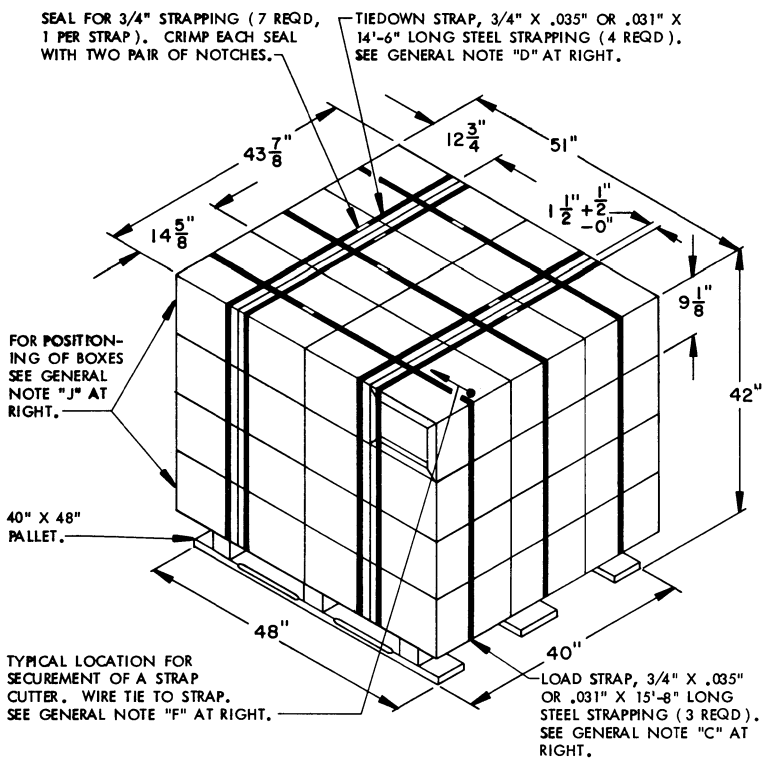
REVISIONS				DRAFTSMAN <i>GBF/leaw</i>	PROJ ENG <i>GBF/leaw</i>
				CHECKER <i>GBF/leaw</i>	COL. ENGINE OFFICE <i>John Boyd</i>
APPROVED, U. S. ARMY ARMAMENT MATERIEL READINESS COMMAND					
				<i>Peter S. E. Baker D.C. Fetter</i>	
			DRBAR - MAD	DRBAR - TMD	
APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)					
<i>John A. Reynolds</i> U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL					
U. S. ARMY DARCOM DRAWING					
JULY 1980					
CLASS	DIVISION	DRAWING	FILE		
19	48	4116/158	20PA 1002		

**DO NOT SCALE**

**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 MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR 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. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, NEAR THE SIDE CLEATS OF THE END PANELS OF THE BOX. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD 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 19-48-4118-1-2-14-22PA1002
- 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 PRIMERS 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 ON THE 40" SIDE OF THE BOTTOM LAYER OF THE UNIT WITH THE TOPS DOWNWARD AND THE THREE OUTBOARD BOXES ON THE 40" SIDE OF THE TOP LAYER OF THE UNIT WITH THE TOPS UPWARD.



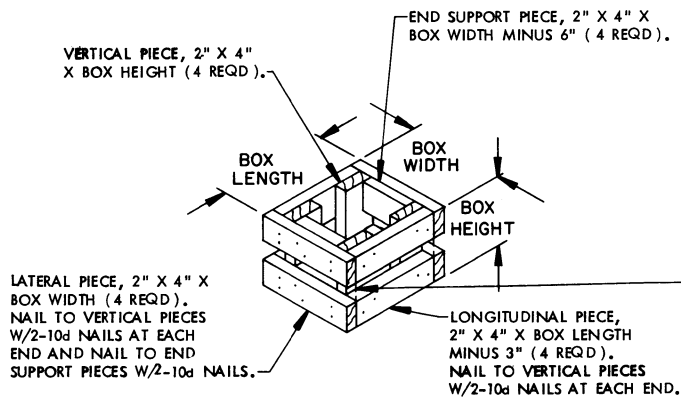
**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

48 BOXES OF PRIMER ( 500 PER BOX ) @ 37 LBS -----	1,776 LBS ( APPROX )
DUNNAGE -----	8 LBS
PALLET -----	80 LBS
<b>TOTAL WEIGHT -----</b>	<b>1,864 LBS ( APPROX )</b>
<b>CUBE -----</b>	<b>54.4 CU FT ( APPROX )</b>

**BILL OF MATERIAL**

PALLET, 40" X 48" -----	1 REQD -----	80 LBS
STEEL STRAPPING, 3/4" ---	105.00' REQD -----	7.50 LBS
SEAL FOR 3/4" STRAPPING ---	7 REQD -----	NIL



**FILLER ASSEMBLY**

( FOR MINUS ONE BOX )