

# APPENDIX 26D

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

CARTRIDGE, 40MM, PACKED 6 PER WOODEN BOX,  
UNITIZED 42 BOXES PER 40" X 48" PALLET;  
APPROX BOX SIZE  $21\frac{3}{4}$ " L X  $7\frac{3}{8}$ " W X  $10\frac{7}{8}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1310-						
00-309-4933	B552	B	II - B	(08) 1.2	C	2,105
00-309-4935	B562	A	IV	(04) 1.2	E	2,021
00-309-4936	B562	A	IV	(04) 1.2	E	2,063
00-309-4931	B552	B	II - B	(08) 1.2	C	2,105
00-309-4940	B562	A	IV	(04) 1.2	E	2,063

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

REVISION

REVISION NO. 1 DATED APRIL 1981, CONSISTS OF:  
1. ADDING NEW NATIONAL STOCK NUMBERS.

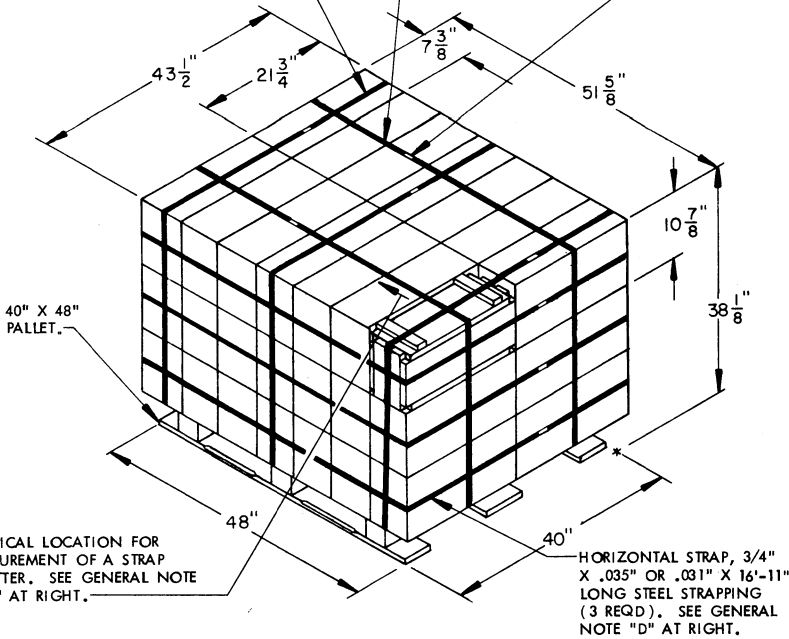
**DO NOT SCALE**

REVISIONS				DRAFTSMAN <i>DAVID E. BROWN</i>	PROJ ENG <i>DAVID E. BROWN</i>
1	APR 81	<i>DAVID E. BROWN</i>	<i>DAVID E. BROWN</i>	<i>DAVID E. BROWN</i>	<i>DAVID E. BROWN</i>
				DRBAR-LEP	DRBAR-TMD
				APPROVED, U. S. ARMY ARMAMENT MATERIEL READINESS COMMAND	
				<i>DAVID E. BROWN</i>	<i>DAVID E. BROWN</i>
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				APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)	
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				U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
				U. S. ARMY DARCOM DRAWING	
				JULY 1979	
		CLASS	DIVISION	DRAWING	FILE
		19	48	4116/26D	20PA 1002

TIEDOWN STRAP, 3/4" X .035" OR .031" X 13'-10" LONG STEEL STRAPPING (3 REQD.). SEE GENERAL NOTE "E" AT RIGHT.

LOAD STRAP, 3/4" X .035" OR .031" X 15'-2" LONG STEEL STRAPPING (2 REQD.). SEE GENERAL NOTE "C" AT RIGHT.

SEAL FOR 3/4" STRAPPING (8 REQD., 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

42 BOXES OF 40MM CARTRIDGE (6 PER BOX) @ 48 LBS ----- 2,016 LBS (APPROX)  
 DUNNAGE ----- 9 LBS  
 PALLET ----- 80 LBS

TOTAL WEIGHT ----- 2,105 LBS (APPROX)  
 CUBE ----- 49.5 CU FT (APPROX)

**GENERAL NOTES**

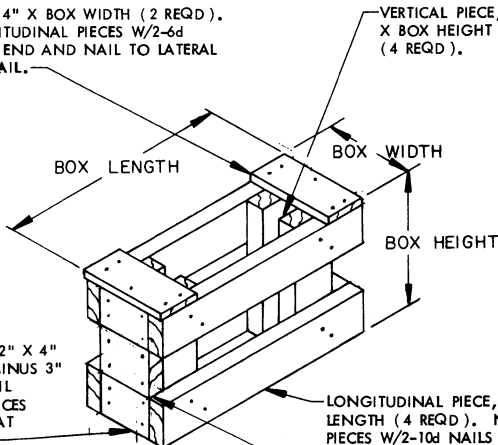
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN 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. 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 HORIZONTAL STRAPS.
- D. 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.
- E. 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.
- F. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUT-LOADING 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
- G. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- H. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- J. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 40MM CARTRIDGES 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.

**BILL OF MATERIAL**

PALLET, 40" X 48" -----	1 REQD -----	80 LBS
STEEL STRAPPING, 3/4" -----	122.58' REQD -----	8.76 LBS
SEAL FOR 3/4" STRAPPING -----	8 REQD -----	NIL

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

VERTICAL PIECE, 2" X 4" X BOX HEIGHT MINUS 3/4" (4 REQD).



LATERAL PIECE, 2" X 4" X BOX WIDTH MINUS 3" (4 REQD). NAIL TO VERTICAL PIECES W/2-10d NAILS AT EACH END.

LONGITUDINAL PIECE, 2" X 4" X BOX LENGTH (4 REQD). NAIL TO VERTICAL PIECES W/2-10d NAILS AT EACH END.

STRAP BEARING PIECE, 2" X 4" (RIPPED TO FIT) X BOX WIDTH MINUS 3" (1 REQD). NAIL TO VERTICAL PIECES W/2-10d NAILS AT EACH END. STAPLE STRAP TO "STRAP BEARING PIECE".

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