

APPENDIX 17B

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO- NENTS ON 4-WAY ENTRY PALLETS

**CARTRIDGE, 25MM, PACKED 55 OR 100 PER
CNU-405 METAL CONTAINER, UNITIZED 20
CONTAINERS PER 42" X 53" PALLET; APPROX
BOX SIZE 18-5/8" L X 10-5/8" W X 14-5/8" H**

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

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U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, U.S. ARMY FIELD SUPPORT COMMAND</p> <p><i>David A. Pilonis</i> (TPR) AMSBD-AAR-AIL-TP</p> <p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIAL COMMAND</p> <p><i>David [Signature]</i> AMSFS-ST</p> <p><i>[Signature]</i></p> <p>U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<p>CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">DO NOT SCALE</td> <td colspan="2" style="text-align: center;">JULY 1994</td> </tr> <tr> <td style="width: 15%;">ENGINEER OR TECHNICIAN</td> <td style="width: 15%;">BASIC REV.</td> <td style="width: 40%;">SANDRA M. SCHULTZ MELVIN SIX</td> <td style="width: 30%;">REVISION NO. 1 JULY 2004</td> </tr> <tr> <td>TRANSPORTATION ENGINEERING DIVISION</td> <td></td> <td style="text-align: center;"><i>G. L. Willis</i></td> <td style="text-align: center;">SEE THE REVISION LISTING ON PAGE 2</td> </tr> <tr> <td>VALIDATION ENGINEERING DIVISION</td> <td></td> <td style="text-align: center;"><i>[Signature]</i></td> <td>CLASS DIVISION DRAWING FILE</td> </tr> <tr> <td>ENGINEERING DIRECTORATE</td> <td></td> <td style="text-align: center;"><i>[Signature]</i></td> <td>19 48 4116/17B 20PA1002</td> </tr> </table>	DO NOT SCALE		JULY 1994		ENGINEER OR TECHNICIAN	BASIC REV.	SANDRA M. SCHULTZ MELVIN SIX	REVISION NO. 1 JULY 2004	TRANSPORTATION ENGINEERING DIVISION		<i>G. L. Willis</i>	SEE THE REVISION LISTING ON PAGE 2	VALIDATION ENGINEERING DIVISION		<i>[Signature]</i>	CLASS DIVISION DRAWING FILE	ENGINEERING DIRECTORATE		<i>[Signature]</i>	19 48 4116/17B 20PA1002
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PALLET UNIT DATA				
ITEMS INCLUDED		●HAZARD CLASS AND DIVISION	●COMPATI-BILITY GROUP	WEIGHT (LBS)
NSN	DODIC			
1305-				
01-380-8960	A974	1. 4	C	2, 140
01-380-9884	A975	1. 2. 2	E	2, 140
01-380-5862	A976	1. 4	C	2, 140
01-390-7977	A978	1. 4	C	2, 940
01-390-7978	A982	1. 2. 2	E	2, 940
01-432-4834	A978	1. 4	C	2, 940

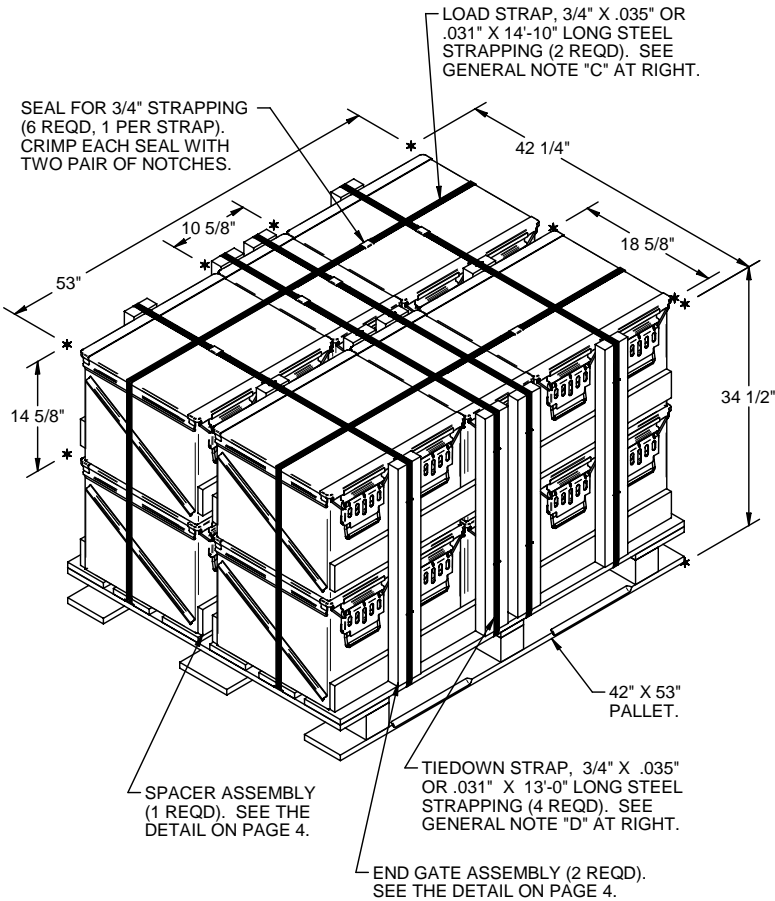
- HAZARD AND CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISION

REVISION NO.1, DATED JULY 2004, CONSISTS OF:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA" CHART.
2. CHANGING TITLE TO INCLUDE 100 CARTRIDGES QUP.
3. ADDING CONTAINER PART NUMBER.
4. UPDATING GENERAL NOTES.
5. MODIFYING DUNNAGE ASSEMBLIES.

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, MARKINGS, 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 CONTAINERS 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 THE 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
END OPENING ISO		
CONTAINER	- - - -	19-48-4153-15PA1002
MI LVAN	- - - -	19-48-4166-15PA1003
SIDE OPENING ISO		
CONTAINER	- - - -	19-48-4267-15PA1009
- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 25MM CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN THOSE SHOWN ON PAGE 2, PROVIDED THE CONTAINER DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- H. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4MM AND ONE POUND EQUALS 0.454 KG.
- J. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES.
- K. FOR DETAILS OF THE CNU-405 CONTAINER SEE NAVAL WEAPONS HANDLING CENTER DRAWING 986AS106.

PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT

20 CONTAINERS OF 25MM CARTRIDGES	
(100 PER CONTAINER) @ 139 LBS	2,780 LBS
DUNNAGE	70 LBS
PALLET	90 LBS

TOTAL WEIGHT - - - - 2,940 LBS
CUBE - - - - - 45.0 CU FT

BILL OF MATERIAL

LUMBER	LINEAR FEET	BOARD FEET	
1" X 4"	34.58	11.53	
2" X 4"	29.25	19.50	
NAILS	NO. REQD	POUNDS	
6d (2")	96	0.56	
PALLET, 42" X 53"		1 REQD	90 LBS
STEEL STRAPPING, 3/4"		81.67' REQD	7.29 LBS
SEAL FOR 3/4" STRAPPING		6 REQD	NIL
STAPLE, 15/16" X 3/4"		20 REQD	NIL

