

# APPENDIX 71C

## UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COM- PONENTS 4-WAY ENTRY PALLETS

**FUZE, HAND GRENADE, PACKED 280 PER  
PLYWOOD BOX, UNITIZED 12 BOXES PER  
35" X 45-1/2" PALLET; APPROX BOX SIZE;  
17-5/8" L X 17-5/8" W X 15-7/8" 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 C. Rukovich</i> AMSRD-AAR-AIL-TP</p> <p><i>David [Signature]</i> AMSFS-ST</p> <p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIAL COMMAND</p> <p><i>[Signature]</i></p> <p>U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<p style="text-align: center;"><b>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.</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>DO NOT SCALE</b></td> <td colspan="2" style="text-align: center;"><b>DECEMBER 1982</b></td> </tr> <tr> <td style="width: 15%;">ENGINEER OR TECHNICIAN</td> <td style="width: 15%;">BASIC REV.</td> <td colspan="2" style="text-align: center;">WILLIAM R. FRERICHS MARK GRACE</td> </tr> <tr> <td colspan="2">TRANSPORTATION ENGINEERING DIVISION</td> <td colspan="2" style="text-align: center;"><i>G. L. Willis</i></td> </tr> <tr> <td colspan="2">VALIDATION ENGINEERING DIVISION</td> <td colspan="2" style="text-align: center;"><i>[Signature]</i></td> </tr> <tr> <td colspan="2">ENGINEERING DIRECTORATE</td> <td colspan="2" style="text-align: center;"><i>[Signature]</i></td> </tr> </table>	<b>DO NOT SCALE</b>		<b>DECEMBER 1982</b>		ENGINEER OR TECHNICIAN	BASIC REV.	WILLIAM R. FRERICHS MARK GRACE		TRANSPORTATION ENGINEERING DIVISION		<i>G. L. Willis</i>		VALIDATION ENGINEERING DIVISION		<i>[Signature]</i>		ENGINEERING DIRECTORATE		<i>[Signature]</i>	
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		REVISION NO. 4	NOVEMBER 2004																		
SEE THE REVISION LISTING ON PAGE 2																					
CLASS	DIVISION	DRAWING	FILE																		
19	48	4116/ 71C	20PA 1002																		

PALLET UNIT DATA				
ITEMS INCLUDED		●HAZARD CLASS AND DIVISION	●COMPAT-IBILITY GROUP	APROX WEIGHT (LBS)
NSN	DODIC			
1330-00-293-9516	G874	1. 4	G	948
01-508-3729	GG16	1. 4	G	948

- 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).

### REVISIONS

REVISION NO.1, DATED SEPTEMBER 1983, CONSISTS OF:

1. CHANGING BOX DIMENSIONS.
2. CHANGING UNITIZATION PROCEDURES TO DEPICT WIREBOUND BOXES.
3. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 AND 2 ABOVE.

REVISION NO. 2, DATED APRIL 1984, CONSISTS OF:

ADDING PROCEDURES FOR WOODEN BOXES.

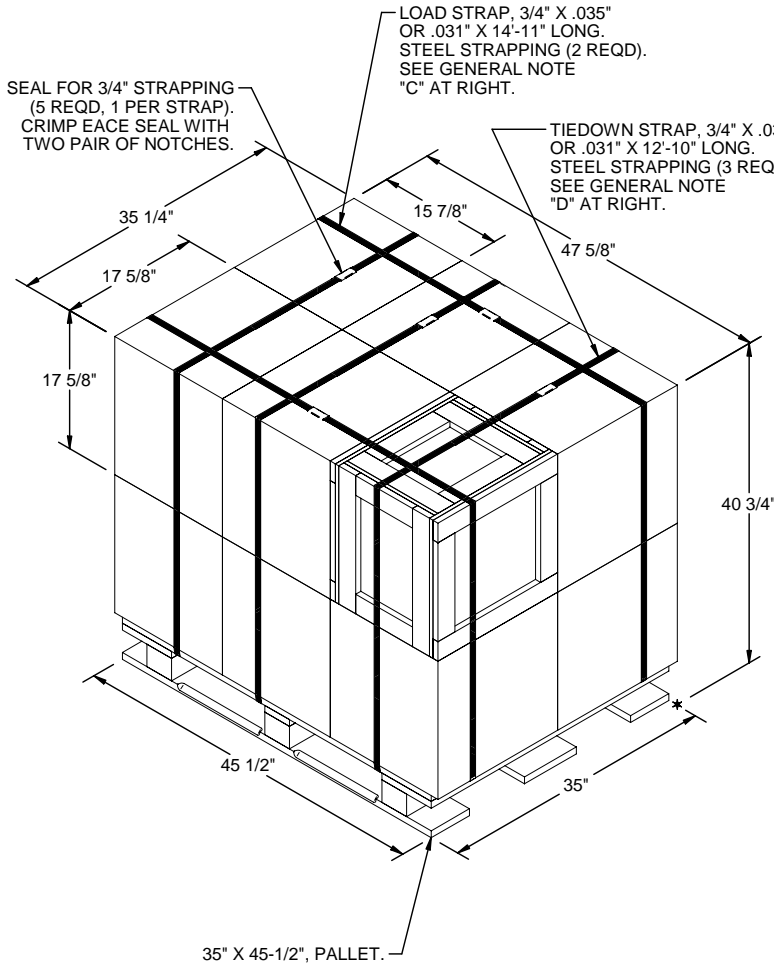
REVISION NO. 3, DATED DECEMBER 1987, CONSISTS OF:

1. CHANGING BOX DIMENSIONS.
2. CHANGING BOX TYPE.
3. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 AND 2 ABOVE.
4. ADDING GENERAL NOTE "J" (STYLE 1A PALLET).

REVISION NO. 4, DATED NOVEMBER 2004, CONSISTS OF:

1. ADDING NSN 1330-01-508-3729.
2. CHANGING WEIGHT OF 1330-00-293-9516 TO 73 LBS AND HC 1.4G.

## 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 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
  - MILVAN - - - - 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 BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING HAND GRENADE FUZES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, 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.
- H. THE STYLE 1A PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- J. FOR DETAIL OF THE PLYWOOD BOX, SEE EDGEWOOD ARSENAL DRAWING P13-10-80.

### PALLET UNIT

SEE GENERAL NOTE 'B' AT RIGHT

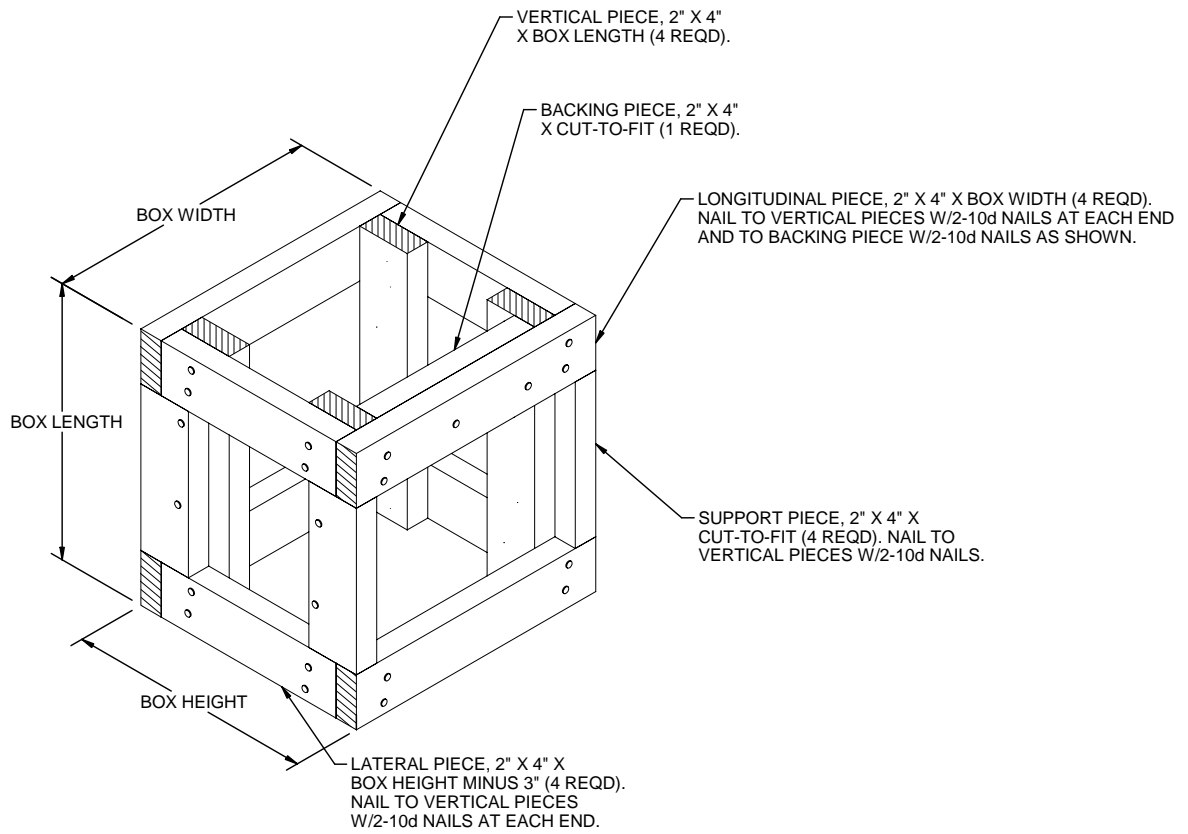
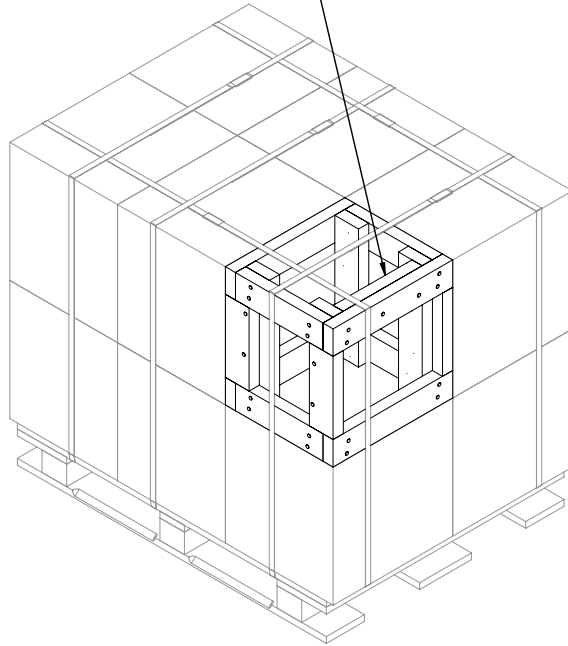
12 BOXES OF HAND GRENADE FUZES	
(280 PER BOX) @ 73 LBS	876 LBS
DUNNAGE	7 LBS
PALLET	65 LBS

TOTAL WEIGHT	948 LBS
CUBE	39.6 CU FT

### BILL OF MATERIAL

PALLET, 35" X 45-1/2"	1 REQD	65 LBS
STEEL STRAPPING, 3/4"	68.33' REQD	6.10 LBS
SEAL FOR 3/4" STRAPPING	5 REQD	NIL

ORIENT FILLER ASSEMBLY WITH INDICATED BACKING PIECE TOWARD PALLET OUTER SURFACE AS SHOWN.



**FILLER ASEMBLY**

(FOR MINUS ONE BOX)