

APPENDIX 26H

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

**CARTRIDGE, 40MM, PACKED 44 PER WIREBOUND
BOX, UNITIZED 48 BOXES PER 40" X 48" PALLET;
APPROX BOX SIZE 14-5/8" L X 12-13/16" W X 8-3/8" H**

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

DISTRIBUTION STATEMENT A:

**APPROVED FOR PUBLIC RELEASE
DISTRIBUTION IS UNLIMITED.**

U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND</p> <p>REHMSTEDT. MARK.J.12305 48400</p> <p><small>Digitally signed by REHMSTEDT.MARK.J.1230548400 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=REHMSTEDT.MARK.J.12305484 00 Date: 2016.12.08 09:30:08 -06'00'</small></p> <p style="text-align: right;">RDAR-EIL-TP</p>	<p>CAUTION: VERIFY PRIOR TO USE AT HTTPS://MHP.REDSTONE.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p>		<p style="font-size: 24pt; font-weight: bold;">AUGUST 1981</p>																							
<p>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</p> <p>RUS.ALLEN.J .1230354282</p> <p><small>Digitally signed by RUS.ALLEN.J.1230354282 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=RUS.ALLEN.J.1230354282 Date: 2016.12.15 12:27:37 -06'00'</small></p> <p style="text-align: right;">AMSJM-LIT</p>	<p>DO NOT SCALE</p>	<p style="font-size: 24pt; font-weight: bold;">NOVEMBER 2016</p>																								
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p>SHIMP.UPTON .R.1231257183</p> <p><small>Digitally signed by SHIMP.UPTON.R.1231257183 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=SHIMP.UPTON.R.1231257183 Date: 2016.12.16 13:07:33 -06'00'</small></p> <p style="text-align: right;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGN ENGINEER</td> <td style="width: 10%;">BASIC</td> <td colspan="2" style="text-align: center;">WILLIAM R. FRERICHS</td> </tr> <tr> <td></td> <td>REV.</td> <td colspan="2" style="text-align: center;">SPENCER HOVEY</td> </tr> </table>	DESIGN ENGINEER	BASIC	WILLIAM R. FRERICHS			REV.	SPENCER HOVEY		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REVISION NO. 5</td> <td style="width: 50%;">NOVEMBER 2016</td> </tr> </table>	REVISION NO. 5	NOVEMBER 2016	<p style="font-weight: bold;">SEE THE REVISION LISTING ON PAGE 2</p>													
DESIGN ENGINEER	BASIC	WILLIAM R. FRERICHS																								
	REV.	SPENCER HOVEY																								
REVISION NO. 5	NOVEMBER 2016																									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">ENGINEERING DIVISON</td> <td colspan="3">FIEFFER.LAUR A.A.1230375727</td> </tr> <tr> <td>TEST ENGINEER</td> <td colspan="3">FELICIANO.AD IN.1259200373</td> </tr> <tr> <td>TEST REPORT</td> <td colspan="3" style="text-align: center;">N/A</td> </tr> <tr> <td>EXPLOSIVE SAFETY DIRECTORATE</td> <td colspan="3">TIRONE.JOSEPH.A NDREW.102668374 9</td> </tr> </table>	ENGINEERING DIVISON	FIEFFER.LAUR A.A.1230375727			TEST ENGINEER	FELICIANO.AD IN.1259200373			TEST REPORT	N/A			EXPLOSIVE SAFETY DIRECTORATE	TIRONE.JOSEPH.A NDREW.102668374 9			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">CLASS</td> <td style="width: 15%;">DIVISION</td> <td style="width: 15%;">DRAWING</td> <td style="width: 55%;">FILE</td> </tr> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">48</td> <td style="text-align: center;">4116/ 26H</td> <td style="text-align: center;">20PA1002</td> </tr> </table>	CLASS	DIVISION	DRAWING	FILE	19	48	4116/ 26H	20PA1002
ENGINEERING DIVISON	FIEFFER.LAUR A.A.1230375727																									
TEST ENGINEER	FELICIANO.AD IN.1259200373																									
TEST REPORT	N/A																									
EXPLOSIVE SAFETY DIRECTORATE	TIRONE.JOSEPH.A NDREW.102668374 9																									
CLASS	DIVISION	DRAWING	FILE																							
19	48	4116/ 26H	20PA1002																							

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1310-				
00-133-9413	B475	1.4	G	2,110
00-179-1159	B476	1.4	G	2,110
00-179-1163	B477	1.4	G	2,110
00-179-1170	B479	1.4	G	2,110
00-541-6148	B504	1.4	G	2,110
00-541-6149	B505	1.4	G	2,110
00-541-6150	B506	1.4	G	2,110
00-541-6152	B508	1.4	G	2,110
00-541-6153	B509	1.4	G	2,110
01-107-5404	B519	1.4	S	2,110
00-159-3198	B535	1.4	G	2,110
00-922-9780	B535	1.4	G	2,110
00-922-9784	B536	1.4	G	2,110
01-422-1048	BA03	1.2.2	G	2,110
01-640-6429	BA03	1.2.2	G	2,110
01-452-1190	BA06	1.4	S	2,110
01-475-0628	BA13	1.4	C	2,110

*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).

REVISIONS

REVISION NO. 1, DATED OCTOBER 1985, CONSISTS OF:

DELETING AN ITEM BY NATIONAL STOCK NUMBER FROM THE "PALLET UNIT DATA" CHART.

REVISION NO. 2, DATED OCTOBER 1987, CONSISTS OF:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.

REVISION NO. 3, DATED NOVEMBER 2002, CONSISTS OF:

1. ADDING ITEMS BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
2. DELETING ITEMS BY NATIONAL STOCK NUMBER FROM THE "PALLET UNIT DATA" CHART.
3. UPDATING THE HAZARD CLASSIFICATION FOR 1310-00-159-3198.
4. ADDING PAGES 3 AND 4.

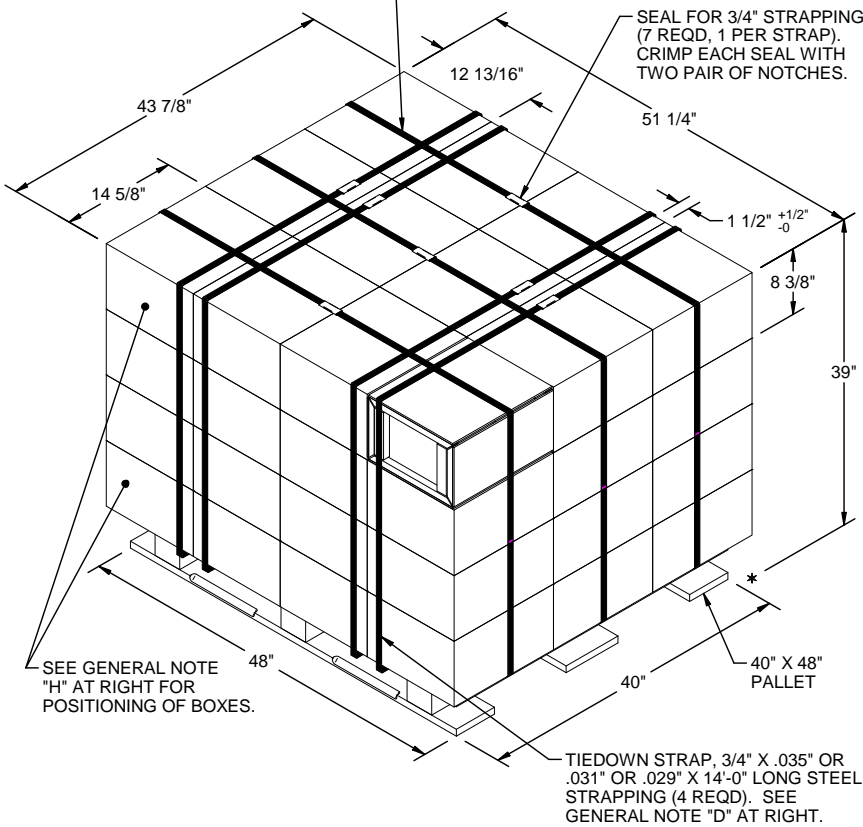
REVISION NO. 4, DATED NOVEMBER 2014, CONSISTS OF CHANGES PER ECP R13K2020:

1. CHANGE FROM "MIL-P-15011" TO "MIL-DTL-15011" IN GENERAL NOTE "K".
2. ADD ".029" TO STRAP THICKNESS OPTIONS ON PALLET UNIT NOTES.
3. DELETING ITEMS BY NATIONAL STOCK NUMBER FROM THE "PALLET UNIT DATA" CHART.
4. CHANGING NATIONAL STOCK NUMBER FROM "1310-00-541-6158" TO "1310-00-541-6178" IN THE "PALLET UNIT DATA" CHART.
5. CHANGING THE COMPATIBILITY GROUP FOR 1310-01-107-5404 IN THE "PALLET UNIT DATA" CHART.

REVISION NO. 5, DATED NOVEMBER 2016, CONSISTS OF CHANGES PER ECP R15S2008 (1):

1. ADDING ITEM BY NATIONAL STOCK NUMBER TO THE "PALLET UNIT DATA" CHART.
2. DELETING ITEMS BY NATIONAL STOCK NUMBER FROM THE "PALLET UNIT DATA" CHART.

LOAD STRAP, 3/4" X .035" OR .031" OR .029" X 15'-3" LONG STEEL STRAPPING (3 REQD).
SEE GENERAL NOTE "C" AT RIGHT.



PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

48 BOXES OF 40MM CTGS (44 PER BOX) @ 45.9 LBS	2,020 LBS
DUNNAGE	10 LBS
PALLET	80 LBS
TOTAL WEIGHT	2,110 LBS (APPROX)
CUBE	50.7 CU FT (APPROX)

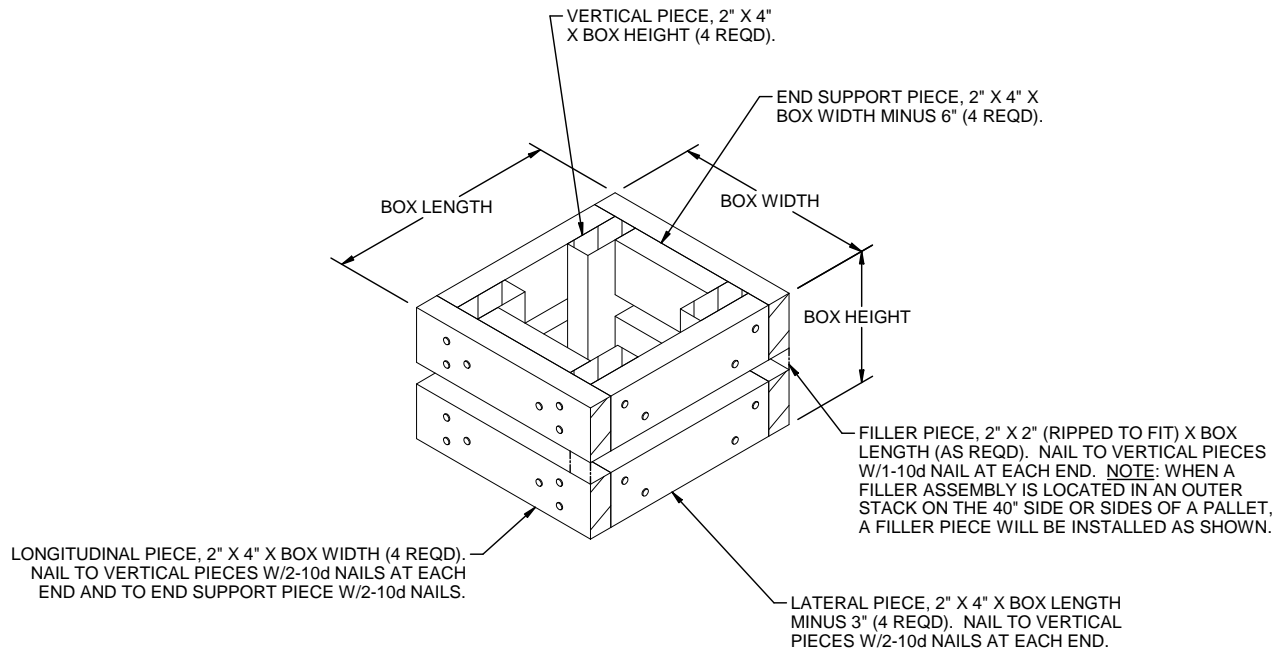
BILL OF MATERIAL

PALLET, 40" X 48"	1 REQD	80 LBS
STEEL STRAPPING, 3/4"	101.75' REQD	9.08 LBS
SEAL FOR 3/4" STRAPPING	7 REQD	NIL

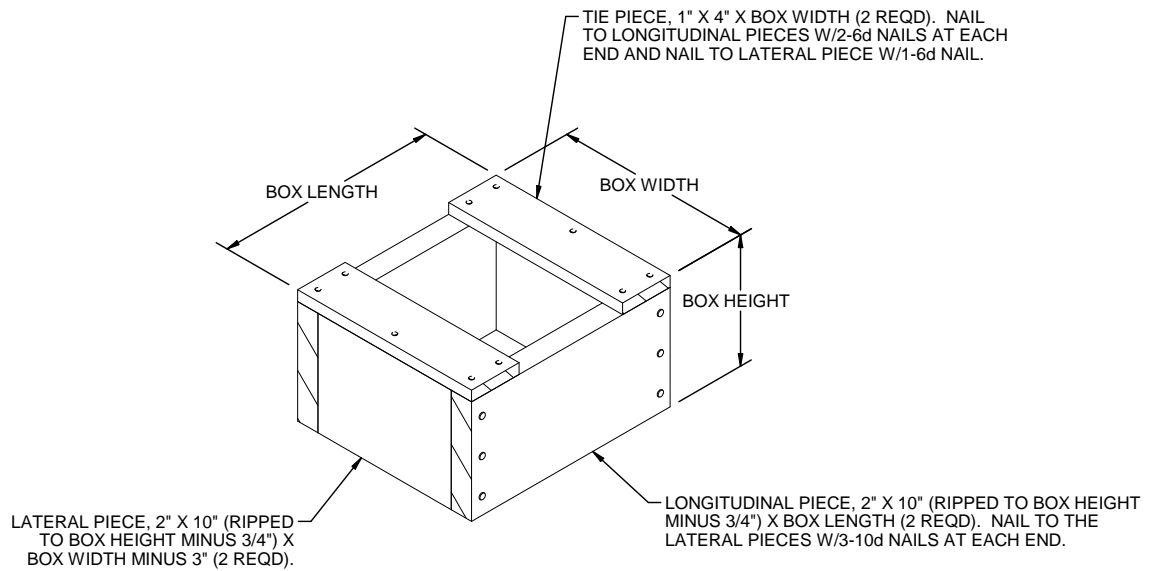
GENERAL NOTES

- 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. NOTE THAT THE STRAPS WILL BE LOCATED AS SHOWN, 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 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 40MM CARTRIDGES 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. POSITION THE THREE OUTBOARD BOXES ON THE 40" SIDES OF THE BOTTOM LAYER OF THE UNIT WITH THE TOPS DOWNWARD, AND THE THREE OUTWARD BOXES ON THE 40" SIDES OF THE TOP LAYER OF THE UNIT WITH TOPS UPWARD.
- J. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE ALTERNATE FILLER ASSEMBLY MAY BE SUBSTITUTED FOR THE FILLER ASSEMBLY TO COMPLETE A LAYER ON A PALLET.
- K. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- L. FOR DETAILS OF THE WIREBOUND BOX, SEE ARDEC DRAWING 9209205.



FILLER ASSEMBLY
(FOR MINUS ONE BOX)



ALTERNATIVE FILLER ASSEMBLY
(FOR MINUS ONE BOX)
SEE GENERAL NOTE "J" ON PAGE 3.