

APPENDIX 129B

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

**REMOTE ACTIVATED MUNITIONS SYSTEM (RAMS)
COMPONENTS, FIRING DEVICE RADIO RECEIVER,
M17, FIRING DEVICE RADIO RECEIVER TRAINER,
M85, OR RADIO TYPE DEMOLITION FIRING DEVICE,
M152, PACKED VARIOUS QUANTITIES PER METAL
CONTAINER, 2 PER WIREBOUND BOX, UNITIZED 36
BOXES PER 40" X 48" PALLET; APPROX BOX SIZE
17" L X 13-3/8" W X 9-3/8" 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.MA RK.J.1230548400</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.1230548400 Date: 2010.05.26 16:09:48 -0500</small></p> <p style="text-align: right;">RDAR-EIL-TP</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> | | <p>JANUARY 2001</p> | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|---------|------|-----------|-----------|-----------------------|-----------------|
| <p>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</p> <p>CASILLAS.GILBE RT.J.1230393644</p> <p><small>Digitally signed by CASILLAS.GILBERT.J.1230393644 DN: c=US, o=U.S. Government, ou=DoD, ou=PG, ou=USA, cn=CASILLAS.GILBERT.J.1230393644 Date: 2010.07.20 08:57:50 -0500</small></p> <p style="text-align: right;">AMSJM-LIT</p> | <p>DO NOT SCALE</p> | <p>REVISION NO. 1</p> <p>JANUARY 2010</p> | | | | | | | | | |
| <p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p>CARNEY.GA RY.BURTON 1038708038</p> <p><small>Digitally signed by CARNEY.GARY.BURTON.1038708038 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CARNEY.GARY.BURTON.1038708 038 Date: 2010.07.20 09:57:55 -0500</small></p> <p style="text-align: center;">U.S. ARMY DEFENSE AMMUNITION CENTER</p> | <p>TRANSPORTATION ENGINEERING DIVISION</p> <p>VALIDATION ENGINEERING DIVISION</p> <p>ENGINEERING DIRECTORATE</p> | <p>FIEFFER.LAUR A.A.1230375727</p> <p><small>Digitally signed by FIEFFER.LAURA.A.1230375727 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=FIEFFER.LAURA.A.1230375727 Date: 2010.01.07 13:13:53 -0600</small></p> <p>BARICKMAN.PH ILIP.W.1230202 202</p> <p><small>Digitally signed by BARICKMAN.PHILIP.W.1230202 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BARICKMAN.PHILIP.W.1230202 Date: 2010.01.07 14:38:38 -0600</small></p> <p>TESTED</p> <p>BEAVER.JERRY .W.1230949952</p> <p><small>Digitally signed by BEAVER.JERRY.W.1230949952 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=BEAVER.JERRY.W.1230949952 Date: 2010.01.07 08:30:45 -0600</small></p> | <p>SEE THE REVISION LISTING ON PAGE 2</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CLASS</th> <th>DIVISION</th> <th>DRAWING</th> <th>FILE</th> </tr> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">48</td> <td style="text-align: center;">4116/ 129B</td> <td style="text-align: center;">20PA1002</td> </tr> </table> | CLASS | DIVISION | DRAWING | FILE | 19 | 48 | 4116/ 129B | 20PA1002 |
| CLASS | DIVISION | DRAWING | FILE | | | | | | | | |
| 19 | 48 | 4116/ 129B | 20PA1002 | | | | | | | | |

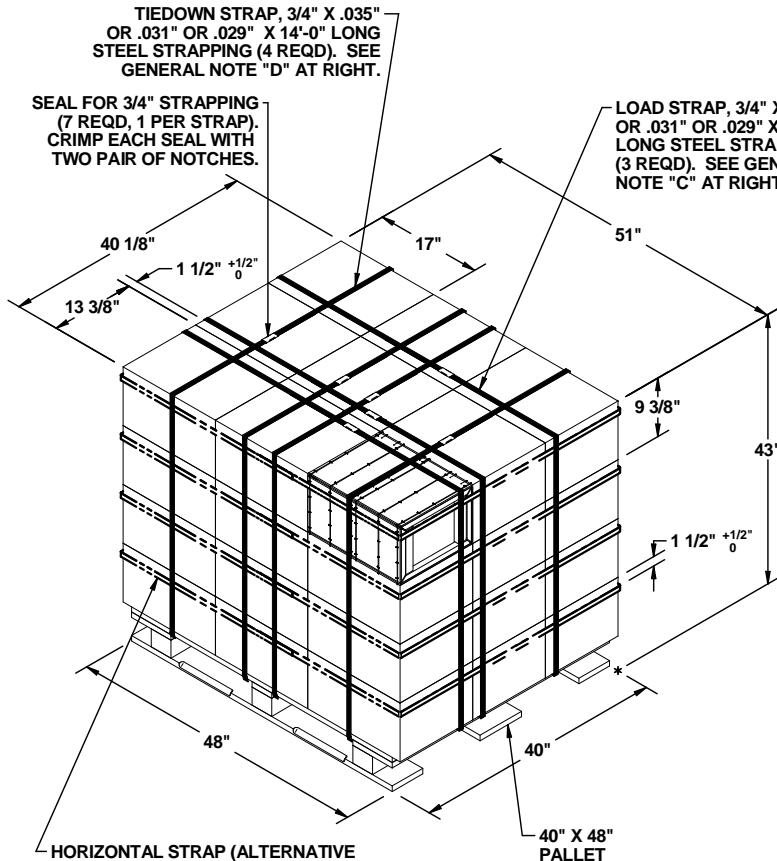
| PALLET UNIT DATA | | | | |
|------------------|-------|----------------------------|----------------------|---------------------|
| ITEMS INCLUDED | | *HAZARD CLASS AND DIVISION | *COMPATIBILITY GROUP | APPROX WEIGHT (LBS) |
| NSN | DODIC | | | |
| 1375- | | | | |
| 01-431-1156 | - | -----I NERT----- | | 1,818 |
| 01-482-0476 | MN80 | 1.4 | S | 1,782 |
| 6920- | | | | |
| 01-492-2116 | - | -----I NERT----- | | 918 |

*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 JANUARY 2010, CONSISTS OF:

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



HORIZONTAL STRAP (ALTERNATIVE FOR LOAD STRAP), 3/4" X .035" OR .031" OR .029" X 16'-3" LONG STEEL STRAPPING (4 REQD). SEE GENERAL NOTE "H" AT RIGHT

PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

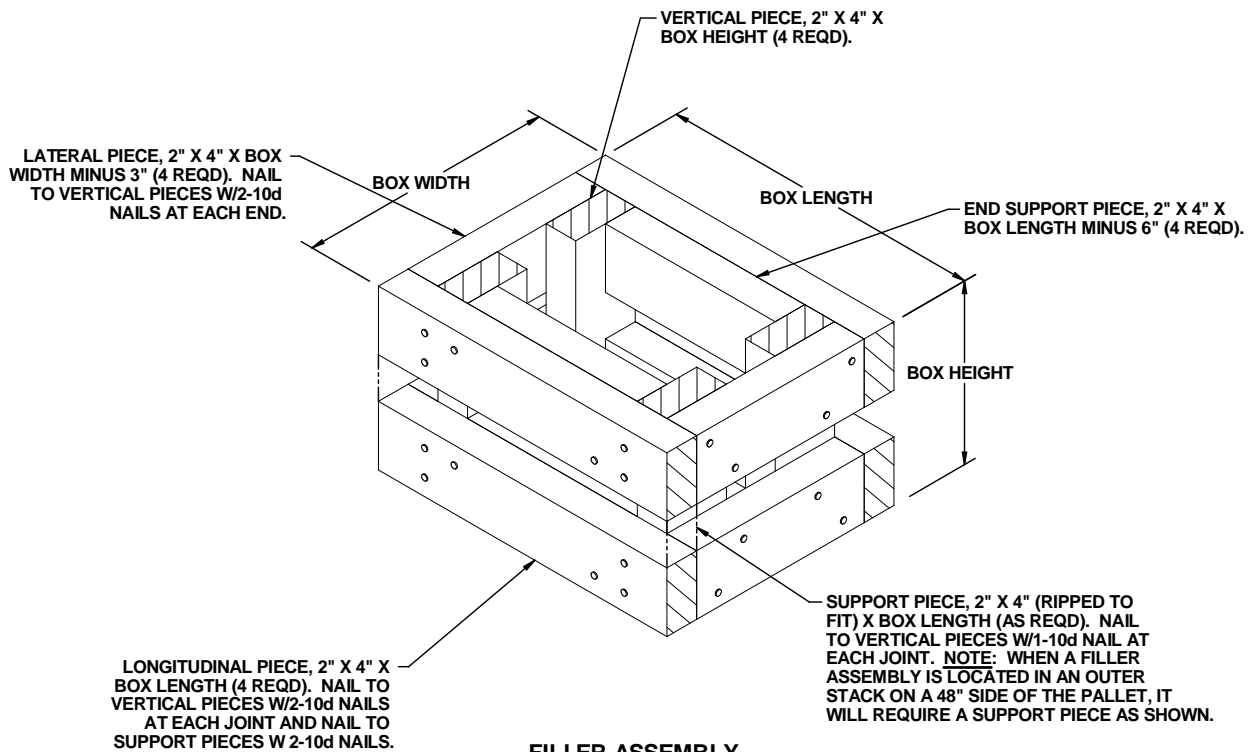
| | |
|-----------------------------------------------------|----------------------------|
| 36 BOXES OF REMOTE ACTIVATED MUNITION SYSTEM (RAMS) | |
| (VARIOUS QUANTITIES PER BOX) @ 48 LBS | 1,728 LBS |
| DUNNAGE | 10 LBS |
| PALLET | 80 LBS |
| TOTAL WEIGHT | 1,818 LBS (APPROX) |
| CUBE | 50.9 CU FT (APPROX) |

| BILL OF MATERIAL | |
|-------------------------|-------------------------|
| PALLET, 40" X 48" | 1 REQD - 80 LBS |
| STEEL STRAPPING, 3/4" | 103.50' REQD - 9.24 LBS |
| SEAL FOR 3/4" STRAPPING | 7 REQD - NIL |

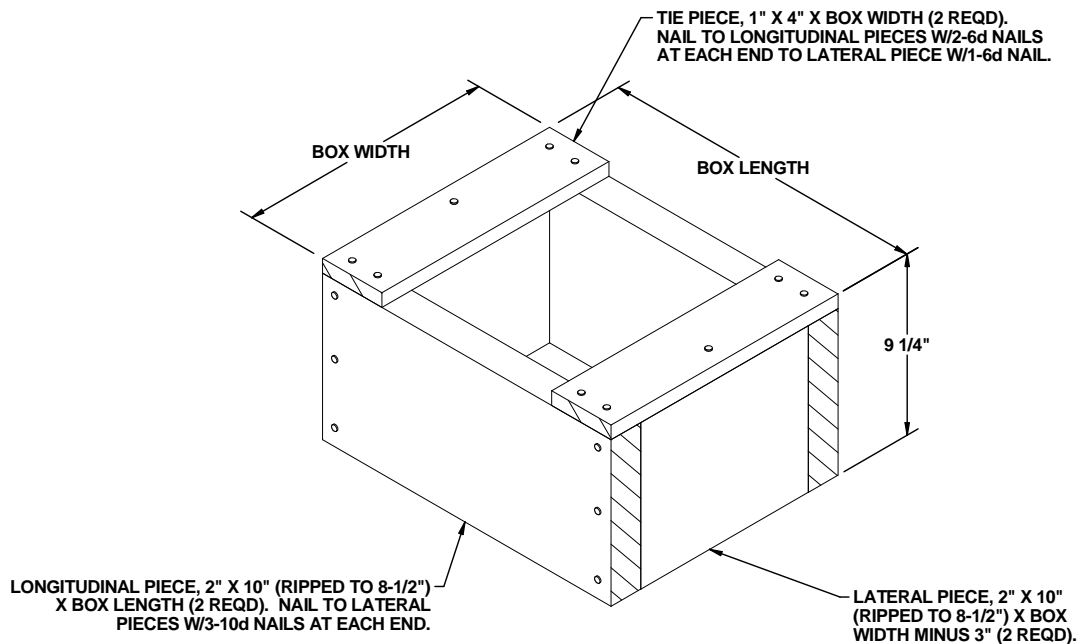
GENERAL NOTES

- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE BOXES ON THE PALLET. NOTE: THAT THE LOAD STRAPS WILL BE LOCATED AS SHOWN. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK BOARDS OF THE PALLET. 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 REMOTE ACTIVATED MUNITIONS 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. HORIZONTAL STRAPS MAY BE USED IN LIEU OF LOAD STRAPS. HORIZONTAL STRAPS WILL BE LOCATED AS DIMENSIONED IN THE DETAIL AT LEFT.
- J. IF DEEMED MORE ECONOMICALLY FEASIBLE, THE ALTERNATIVE 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-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- L. FOR DETAILS OF THE WIREBOUND BOX SEE ARMY RESEARCH LABORATORY DRAWINGS 11753014 AND 11753416.



FILLER ASSEMBLY
(FOR MINUS ONE BOX)



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