APPENDIX 120BB

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

CHARGE, DEMOLITION, SHEET, PACKED 2 PER WOODEN BOX, UNITIZED 24 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 20-5/8" L X 15-3/8" W X 10-1/2" 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.

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U.S. ARMY MATERIEL COMMAND DRAWING DRAFTSMAN APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND $\ensuremath{\mathcal{NL}}\ensuremath{\ensuremath{\mathcal{H}}}$ BETTY J. KUNDERT ENGINEER SANDRA M. SCHULTZ SUPPLY ENGINEERING NOTTATRO92MART VAL TOAT TON ENGINEERING NOIZIVIO ENGINEERING Jamas / 12: Corch NOIZIVIG NOIZIVIO LMT-012MA AZ3-RA-ATZMA APPROVED BY ORDER OF COMMANDING GENERAL, U.S. LOGISTICS ENGINEERING OFFI ARMY MATERIEL COMMAND FEBRUARY 1988 CLASS NOIZIVIO DRAWING FILE U.S. ARMY DEFENSE AMMUNITION CENTER REVISION NO. 1 JULY 1997 4116/ 20PA 19 48 120BB 1002 SEE THE REVISION LISTING ON PAGE 2

DO NOT SCALE

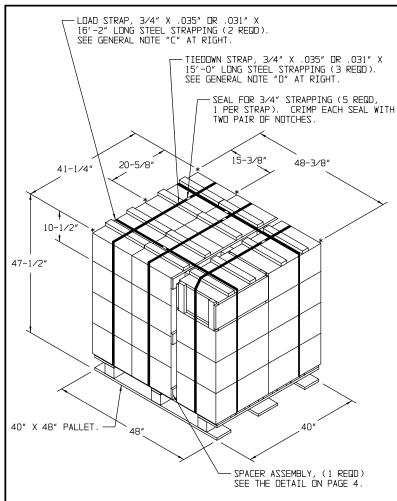
| PALLET UNIT DATA | | | | | |
|---|--|---|-----------------|---|--|
| ITEMS INCLUDED | | HAZARD CLASS AND DIVISION | | | |
| NSN | DODIC | OD CLASS | COMP GROUP | APPROX WEIGHT LBS | |
| 1375- 01-036-0443 01-036-0444 01-036-0445 01-036-0446 01-036-0447 01-036-0448 01-038-6884 01-038-6885 | M980 M981 M982 M983 M984 M985 M986 M993 M994 | 1.1 1.1 1.1 1.1 1.1 1.1 1.1 | و و و و و و و و | 1,549 1,549 1,549 1,549 1,549 1,549 1,549 1,549 1,549 | |

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).

REVISION

REVISION NO. 1, DATED JULY 1997, CONSISTS OF:

- 1. ADDING ITEM BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA" CHART.
- 2. ROTATE BOXES ON PALLET.
- 3. ADD FILLER.
- 4. ADD WOODEN BOX DRAWING REFERENCE.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

| 24 BOXES OF DEMOLITION CHARGE (2 PER BOX) AT 60 LBS | 1,440 LBS (APPROX) |
|---|--------------------|
| DUNNAGE | 29 LBS |
| PALLET | 80 LBS |

TOTAL WEIGHT - - - - - - - - - - - - 1,549 LBS (APPROX)
CUBE - - - - - - - - - - - - 54.9 CU FT (APPROX)

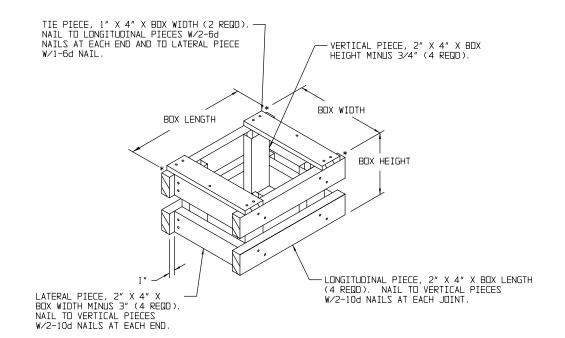
| BILL OF MATERIAL | | | | | |
|---|----------------|--------------|--|--|--|
| LUMBER | LINEAR FEET | BOARD FEET | | | |
| 1" X 4" 2" X 4" | 10.31 10.31 | 3.44 6.87 | | | |
| NAILS | NO. REQD | POUNDS | | | |
| 6d (2") | 18 | NIL | | | |
| PALLET, 40" X 48" 1 REQD 80 LBS STEEL STRAPPING, 3/4" 77.33' REQD 6.90 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDDWN STRAPS. LOAD STRAPS WILL NOT CONTACT HASPS OR HINGES ON THE TOP OF BOXES.
- D. INSTALL EACH TIEDDWN STRAP TO PASS UNDER THE DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDDWN 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.

CARLDADING - - - 19-48-4115-5PA1002
TRUCKLDADING - - 19-48-4117-11PA1003
STDRAGE - - - 19-48-4118-1-2-3-4-14-22PA1002
END DPENING ISD
CONTAINER - - - 19-48-4153-15PA1002
MILVAN - - - - 19-48-4166-15PA1003
SIDE DPENING ISD
CONTAINER - - - 19-48-4267-15PA1009

- F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING DEMOLITION CHARGES 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.
 - WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-3", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-5". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 31-1/2" HIGH. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 37", A GROSS UNIT WEIGHT OF 1,180 POUNDS, AND A UNIT CUBE OF 42.7 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- J. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES.
- 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 MIL-B-2427 WOODEN BOX SEE NAVSEA DRAWING 3139754.



FILLER ASSEMBLY

(FOR MINUS ONE BOX)

