

APPENDIX 120M

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

CHARGE, DEMOLITION, SHAPED, PACKED VARIOUS
QUANTITIES PER WIREBOUND BOX, UNITIZED 60 BOXES
PER 40" X 48" PALLET, APPROX BOX SIZE 14 $\frac{7}{16}$ " L X
12 $\frac{17}{32}$ " W X 8 $\frac{1}{8}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ^①				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1375						
00-781-9066	M020	A	IX-B	1.1	D	1,948
01-004-1085	M957	A	IX-B	1.1	D	1,648

① 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 1986, CONSISTS OF:

ADDING ITEM BY NATIONAL STOCK NUMBER (NSN)
TO "PALLET UNIT DATA" CHART.

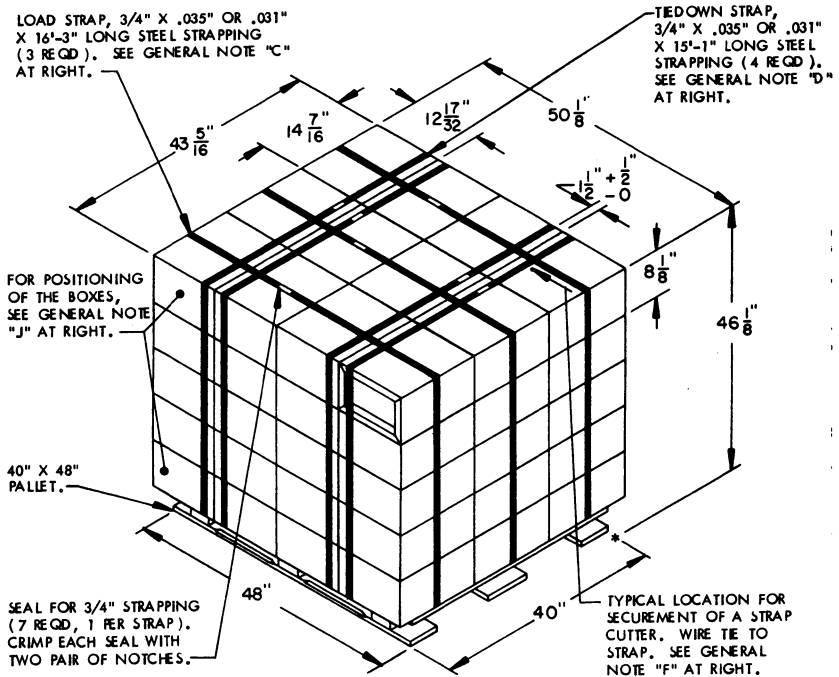
NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST
BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION
PROCEDURES DRAWING 19-48-4116-20PA1002.

DO NOT SCALE

REVISIONS				DATE	BY	FOR USE	BY
1	JUL 86	w/	John Boyd	10/1/86	J. Martin	WIRELES	m.f. r.
				APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)			
				U. S. ARMY DARCOM DRAWING			
				JUNE 1983			
CLASS	DIVISION	DRAWING	FILE				
19	48	4116/ 120M	20PA 1002				

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 WILL 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 TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. NOTE THAT THE STRAPS WILL BE LOCATED AS DIMENSIONED, 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 (DARCOM) DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
 - CARLOADING ----- DRAWING 19-48-4115-5PA1002
 - TRUCKLOADING --- DRAWING 19-48-4117-11PA1003
 - STORAGE ----- DRAWING 19-48-4118-1-2-3-4-14-22PA1002
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. 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 THE TITLE PAGE, 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.
- J. POSITION THE THREE OUTBOARD BOXES ON THE 40" SIDES OF THE BOTTOM LAYER OF THE UNIT WITH THE TOPS DOWNWARD, AND THE THREE OUTBOARD BOXES ON THE 40" SIDES OF THE TOP LAYER OF THE UNIT WITH THE TOPS UPWARD.
- K. 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'-9", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-11". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 38", A GROSS UNIT WEIGHT OF 1,576 POUNDS, AND A UNIT CUBE OF 47.7 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL 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.



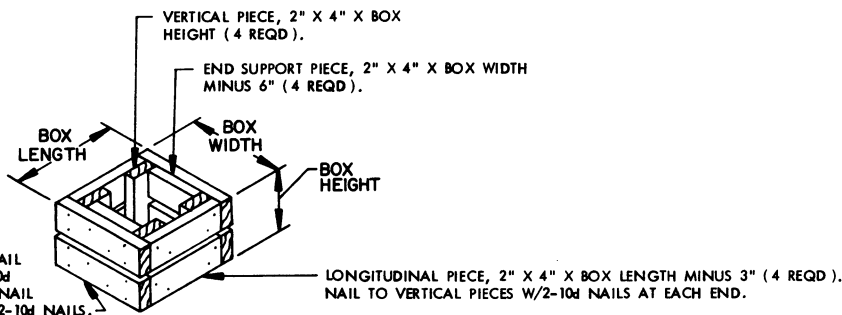
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

60 BOXES OF CHARGE, DEMOLITION (24 PER BOX) @ 31 LBS -----	1,860 LBS (APPROX)
DUNNAGE -----	8 LBS
PALLET -----	80 LBS
TOTAL WEIGHT -----	1,948 LBS (APPROX)
CUBE -----	58.0 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 40" X 48" -----	1 REQD -----	80 LBS
STEEL STRAPPING, 3/4" -----	109.08' REQD -----	7.79 LBS
SEAL FOR 3/4" STRAPPING -----	7 REQD -----	NIL



FILLER ASSEMBLY

(FOR MINUS ONE BOX)