## **APPENDIX** 107A

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

SIGNAL, ILLUMINATION, AIRCRAFT, AN, PACKED 80 PER WOODEN BOX, UNITIZED 32 BOXES PER 35" X 45\frac{1}{2}" PALLET; APPROX BOX SIZE 19\frac{3}{8}" L X 11\frac{1}{4}" W X 11\frac{7}{8}" H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION $lacktriangle$				WEIGHT
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
1370- 00-529-8552 00-618-2401 00-618-5786 00-028-5949 00-529-5855 00-618-5784 00-801-4014 00-028-5961 00-541-9628 00-618-2403 00-620-3390 00-028-5953 00-028-5953 00-028-5955 00-541-9629 00-540-8500 00-541-9629 00-618-5789 00-028-5970 00-618-5790 00-028-5971	L225 L225 L226 L227 L227 L227 L227 L228 L228 L228 L228	B B B B B B B B B B B B B B B B B B B		1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1, 672 1, 672 1, 768 1, 768

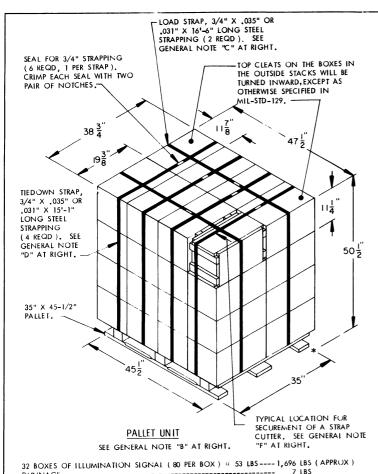
<sup>•</sup> HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFI-CATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING (S).

NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	WEIGHT (LBS)
1370-						
00-618-2402	L233	В	II-C	1.3	G	1,704
00-618-5793	L234	В	II-C	1. 3	G	1,768
00-028-5978	L235	В	II-C	1.3	G	1,768
00-618-5794	L235	В	II-C	1.3	G	1,768
00-618-5774	L236	В	II-C	1.3	G	1,768
00-028-5982	L237	В	П-С	1.3	G	1,768
00-618-5775	L237	В	П-С	1. 3	G	1,768
00-800-0409	L237	В	II-C	1.3	G	1,768
00-200-0410	L237	R	п-с	1.3	G	1,768
00-618-5776	L238	В	II-C	1. 3	G	1,768
00-028-5985	L239	В	П-С	1. 3	G	1,768
00-618-5777	L239	В	п-с	1.3	G	1,768
00-618-5778	L239	В	II-C	1.3	G	1,768

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

REVISIONS		DRAFTSMAN	bh MK	FINRF			
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			APPROVED B	APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)			
		/	US A	U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL			
			U. S. A	U. S. ARMY DARCOM DRAWING			
			JUNE 1983				
	<i> </i>	′	CLASS	DIVISION	DRAWING	FILE	
		<b>/</b>	19	48	4116/ IO7A	20PA 1002	

**DO NOT SCALE** 

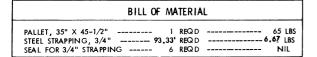


## GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4-116-2004 1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PRETIMENT 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 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.
- THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

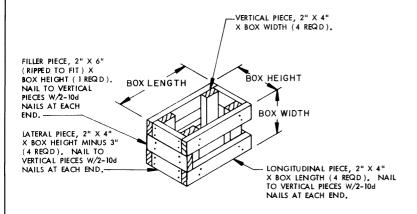
CARLOADING	DRAWING 19-48-4115-5PA1002
TRUCKLOADING	DRAWING 19-48-4117-11PA 1003
STORAGE	DRAWING 19-48-4118-1-2-3-4-14-22PA 1002

- 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 ILLUMINATION SIGNALS 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. 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'-2", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-8". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 39-1/4", A GROSS UNIT WEIGHT OF 1,343 POUNDS, AND A UNIT CUBE OF 41.8 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER, CONVENTIONAL VAN TRAILER OR CONVENTIONAL OR HIGH-CAPACITY BOXCAR. 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.



TOTAL WEIGHT -----1,768 LBS (APPROX)

CUBE -----53.8 CU FT (APPROX )



FILLER ASSEMBLY

(FOR MINUS ONE BOX)