

APPENDIX 105B

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

SIGNAL KIT, PACKED 102 PER MK2 MOD 0 METAL
CONTAINER, UNITIZED 27 BOXES PER 35" X 45 1/2"
PALLET; APPROX BOX SIZE 15 7/16" L X 12 7/16" W X 14 3/4" H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION ^①				WEIGHT (LBS)
NSN	DOD IC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1370-						
00-866-9788	L118	C	II-C	1.4	G	1,800
01-230-3974	L118	C	II-C	1.4	G	1,800
01-211-2564	L132	C	II-C	1.4	G	1,800
01-211-2565	L133	C	II-C	1.4	G	1,800
01-230-3973	L131	C	II-C	1.4	G	1,800

REVISIONS

REVISION NO. 1, DATED JULY 1986, CONSISTS OF:

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

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

ADDING ITEMS 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.

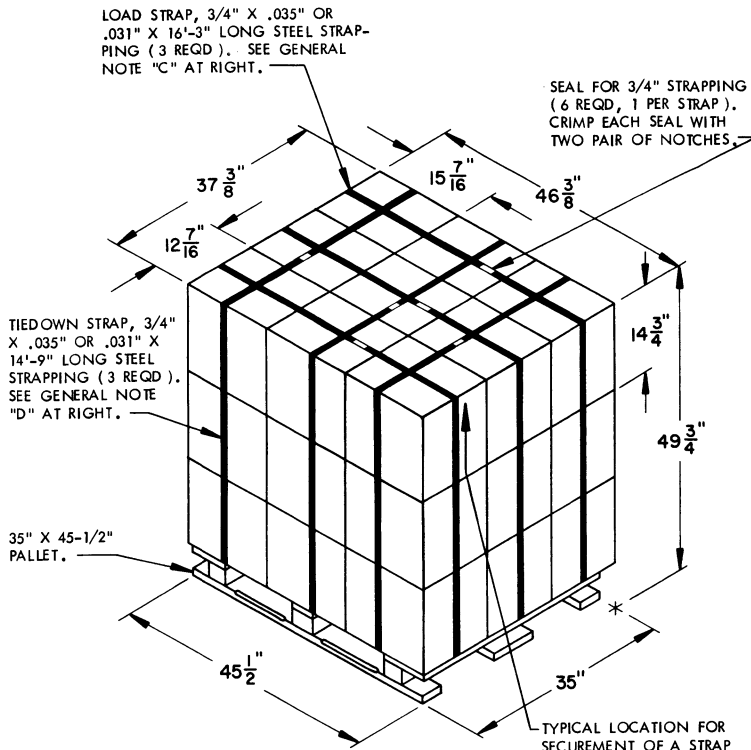
^① HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART
IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERI-
FICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULT-
ING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM
LISTING OR OTHER APPROVED LISTING(S).

REVISIONS		DRAFTSMAN KLC/dh	PROJ ENG RAR/lw	mja(k) mja (AS)
1	JUL 86	WRF WFE	Martin B. Deaton DRACR-EDR AMSC-TMD	LOG ENGR OFFICE vllw/llw
APPROVED U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMBAND				
2	OCT 87	WRF WFE	John S. Benton DRACR-EDR AMSC-TMD	DRACR-TMD John S. Benton
APPROVED BY ORDER OF COMMANDING GENERAL U.S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM) John S. Benton U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL				
U. S. ARMY DARCOM DRAWING				
FEBRUARY 1984				
CLASS	DIVISION	DRAWING	FILE	
19	48	4116/ 105B	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 19-48-4116-20PA1002. TO PRODUCE AND 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 BOXES ON THE PALLET.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS MUST BE TENSIONED AND SEALED PRIOR TO LOAD STRAPS.
- E. THE FOLLOWING AMC (DARCOM) DRAWINGS ARE APPLICABLE FOR OUT-LOADING 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 THE 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 SIGNAL KITS 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 12'-3", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 13'-9". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 35", A GROSS UNIT WEIGHT OF 1,133 POUNDS, AND A UNIT CUBE OF 35.1 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.
- K. THE STYLE 1A 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 THE ITEMS COVERED BY THIS APPENDIX.



PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

27 BOXES OF SIGNAL KITS (102 PER BOX) @ 64 LBS -----	1,728 LBS (APPROX)
DUNNAGE -----	7 LBS
PALLET -----	65 LBS
TOTAL WEIGHT -----	1,800 LBS (APPROX)
CUBE -----	49.9 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 35" X 45-1/2" -----	1 REQD -----	65 LBS
STEEL STRAPPING, 3/4" -----	93.00' REQD -----	6.64 LBS
SEAL FOR 3/4" STRAPPING -----	6 REQD -----	NIL

