APPENDIX 65E

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

GRENADE, HAND, FRAGMENTATION, PACKED 30 PER WOODEN BOX, UNITIZED 32 BOXES PER 35" X 45½" PALLET; APPROX BOX SIZE 19¾"L X 11¾" W X 12¾" H

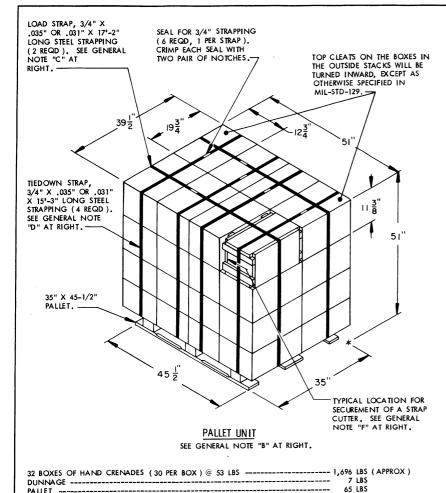
	PALLET UNIT DATA							
ITEMS IN	CLUDED	HAZARD CLASSIFICATION [●]				WEIGHT		
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)		
1330- 00-028-5839 00-782-5540 00-926-1857	G890 G889 G890	A A A	1 <u>1</u> 2 1 <u>1</u> 2 1 <u>1</u> 2	(08)1.1 1.1 (08)1,1	F F F	1, 768 1, 768 1, 672		

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

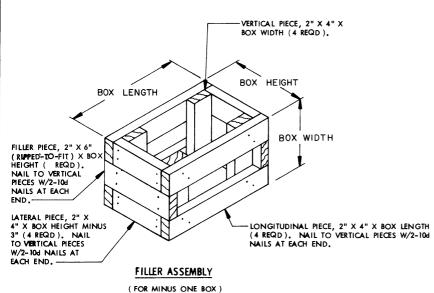
HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

DO NOT SCALE

ĺ	REVISIONS		DRAFTSMAN	mar 937	s Aum		
			COMMAND	U. S. ARMY ARM	AMENT, MUNITIONS	AND CHEMICAL	
			APPROVED 8	HBENTON OF ORDER OF COM EVELOPMENT AN	DRSMC-THD	U. S. ARMY IND (DARCOM)	
-			ļ	U.S. ARMY DE	ENSE AMMUNITION	CENTER & SCHOOL	
_			U. S. ARMY DARCOM DRAWING				
			FEBRUARY 1984				
-			CLASS	DIVISION	DRAWING	FILE	
			19	48	4116/65E	20PA 1002	



BILL OF MATERIAL								
PALLET, 35" X 45-1/2"	1	REQD		65	LBS			
STEEL STRAPPING, 3/4"				6.81	LBS			
SEAL FOR 3/4" STRAPPING	6	REQD		NIL				



GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA 1002. 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 MAY BE THREADED THROUGH THE SMAP 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 DECK/ STRINGER 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.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING ------ DRAWING 19-48-4 115-5PA 1002
TRUCKLOADING ----- DRAWING 19-48-4 117-11PA 1003
STORAGE ------------ DRAWING 19-48-4 118-1-2-3-4-14-22

- 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 HAND GRENADES 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 DECREASED TO 131-5", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 15'-4". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 39-5/8", A GROSS UNIT WEIGHT OF 1,343 POUNDS, AND A UNIT CUBE OF 46.2 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
- K. THE 39-1/2" LENGTH DIMENSION IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THIS EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED IN THIS APPENDIX TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET INIT