APPENDIX 21

UNITIZING PROCEDURES FOR PROPELLING CHARGES PACKED IN CYLINDRICAL METAL CONTAINERS ON 4-WAY ENTRY PALLETS

PAIOO SERIES CONTAINER

INDEX

<u>ITEM</u>	PAGE	<u>(S)</u>
GENERAL NOTES UNIT DETAIL AND PALLET DETAIL DUNNAGE DETAILS FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS	4 5	

PALLET UNIT DATA								
ITEMS INCL	UDED	HAZARD CLASSIFICATION ®				WEIGHT		
	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)		
UNASSIGNED	_	_			-	1,478		

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4042A-20PM1001.

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 (S).

	REVISIONS			DiD.	AD WR	F/kever RI	- 9!	
\vdash		S	Difference Bora and	RSH	WY	anst		
Ľ	JULY 86		William Flowert	COMMANS	L HBE	MENT, MUNITION	I AND OHERMOAL	
		/		Contract - CEL	Y ORDER OF COL	DROMO-THE MANDRE OFFICIAL D MANDRESS COMM	U. S. ARBY	
\vdash	+	 		S.	h. 1	Sy diff		
				U. S.	ARMY C	ARCOM I		
		\Box		SEPTEMBER 1983				
		V		CLASS	DIVISION	DRAWING	FILE	
				19	48	4042A/ 2I	20PM 1001	

DO NOT SCALE

GENERAL NOTES

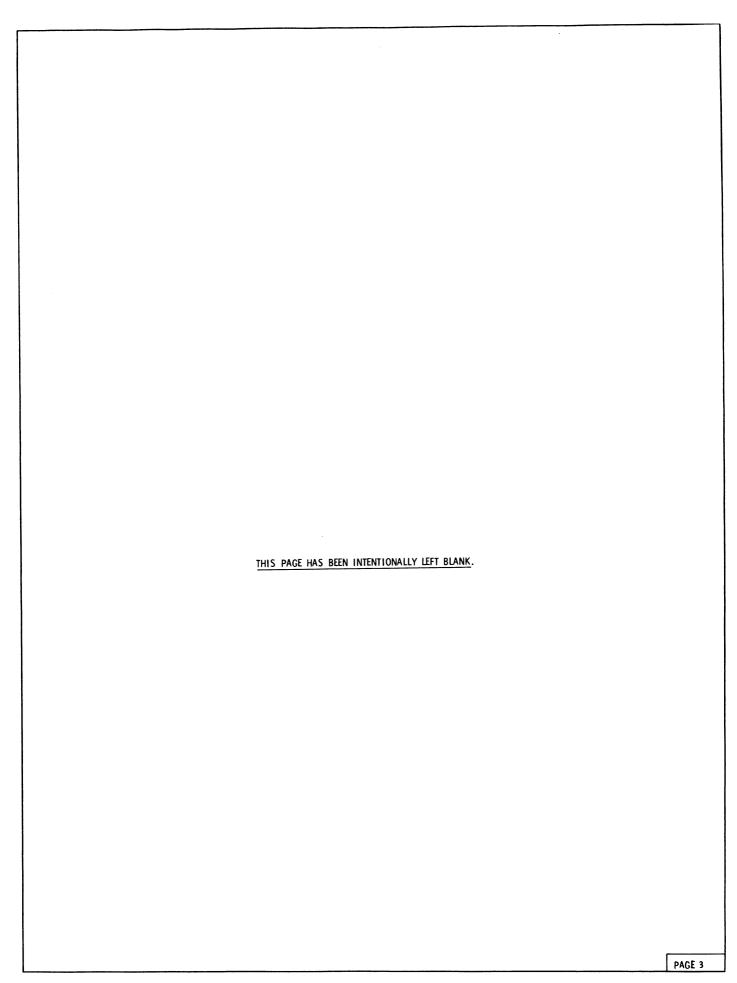
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZING PROCEDURES DRAWING 19-48-4042A-20PM1001. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN 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 CONTAINER, WEIC OF THE SPECIFIC ITEM, AND METHOD OF UNITIZATION.
- C. OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX SHALL BE ACCOMPLISHED IN ACCORDANCE WITH AMC (DARCOM) DRAW-INGS IDENTIFIED WITHIN DA PAMPHLET 75-5.
- D. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- E. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- F. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING PROPELLING CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN.) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE PA100 SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.
- G. FOR DETAILS OF THE PA100 SERIES CONTAINER, SEE US ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DRAWING NO. 9331205.

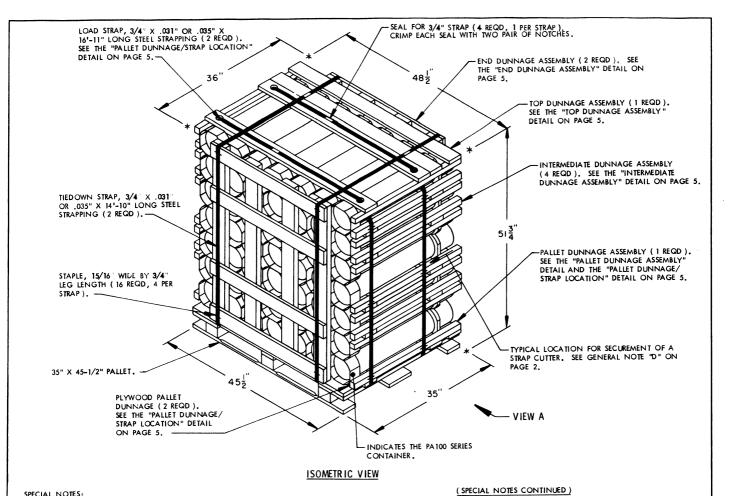
H. IF DEEMED MORE ECONOMICAL FOR SHIPPING AND STORAGE BY THE RESPONSIBLE COMMAND, THE UNIT DEPICTED ON THE FOLLOWING PAGES MAY BE DECERSAGED BY ONE OR TWO COMPLETE LAYERS OF CONTAINERS. FOR FURTHER UNITIZATION GUIDANCE, SEE SPECIAL NOTES ON PAGE 4.

REVISION

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

CHANGING 1-1/4" STRAPPING TO 3/4" STRAPPING.



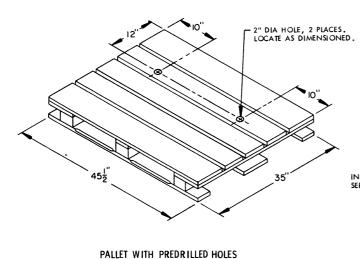


SPECIAL NOTES:

WHEN THE UNIT LOAD DEPICTED ABOVE IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, TWO LAYERS OF CONTAINERS MUST BE OMITTED, THE TWO UPPERMOST "INTERMEDIATE DUNNIAGE ASSEMBLIES" MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12-8", LOAD STRAP LENGTHS MUST BE DECREASED TO 14-9", AND THE "END DUNNIAGE ASSEMBLIES" MUST BE MODIFIED. DUNNIAGE ASSEMBLY MODIFICATIONS INCLUDE CHANGING VERTICAL PIECE LENGTH TO 131", LOCATING THE LIPPER PORT/ONLY DIFFER EVEN WITH THE TOP OF THE DUNNAGE ASSEMBLY MUDIFICATIONS INCLUDE CHANGING VERTICAL PIECE LENGTH TO 33", LOCATING THE UPPER HORIZONTAL PIECE EVEN WITH THE TOP OF THE VERTICAL PIECES, AND CHANGING THE LOCATION DIMENSION OF THE HORIZONTAL PIECE SECOND FROM THE TOP TO 22". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 38-5/8", A GROSS UNIT WEIGHT OF 1,077 POUNDS, AND A UNIT CUBE OF 39.0 CUBIC FEET.

(CONTINUED AT RIGHT)

- THE UNIT LOAD DEPICTED ABOVE MAY ALSO BE REDUCED BY ONE OR TWO LAYERS OF CONTAINERS, AS DESCRIBED IN SPECIAL NOTE 1, WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL FREIGHT CONTAINER. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- DIMENSIONS GIVEN FOR DUNNAGE PIECES OR DUNNAGE ASSEMBLIES WILL BE FIELD CHECKED PRIOR TO THEIR ASSEMBLY TO THE PALLET UNIT. CON-TAINERS MUST FIT SNUGLY IN THE DUNNAGE ASSEMBLES. ALSO, DUE TO THE VARIATION OF CONTAINER DIMENSIONS, ADJUSTMENTS MAY BE REQUIRED AS TO THE LOCATION OF CERTAIN PIECES OF DUNNAGE IN A DUNNAGE ASSEMBLY
- ALTHOUGH THE PROPELLING CHARGE CONTAINERS DEPICTED IN THE UNIT ALTHOUGH THE PROPELLING CHARGE CONTAINERS DEPICTED IN THE UNIT LOAD ABOVE ARE CONSTRUCTED WITH INTERLOCKING DEVICES, THE INTERLOCKS WILL NOT FUNCTION PROPERLY UNLESS THE CONTAINERS ARE POSITIONED SO THAT THE "PINS" OF THE INTERLOCKS ARE IN AN UPRIGHT ORIENTATION, THIS ORIENTATION WILL PRECLUDE INTERFERENCE OF THE "PINS" AND THE PLYWOOD PALLET DUNNAGE AND WILL AID IN THE PREVENTION OF CONTAINER MOVEMENT, BOTH LATERALLY AND LONGITUDINALLY, DURING SHIPMENT OF THE UNIT LOAD.



INDICATES PLYWOOD PALLET DUNNAGE. INDICATES INTERMEDIATE DUNNAGE INDICATES END - 72.V DUNNAGE ASSEMBLY. INDICATES THE PA100 SERIES CONTAINER The same of the sa INDICATES PALLET DUNNAGE ASSEMBLY. INDICATES PALLET.

PARTIAL VIEW A

PAGE 4

UNIT DETAIL AND PALLET DETAIL

