APPENDIX 5

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

MI8 SERIES CONTAINERS

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		PALLE	T UNIT D	ATA		· · · · · · · · · · · · · · · · · · ·	
ITEMS IN	ICLUDED	HAZARD CLASSIFICATION				WEIGHT	
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)	
1320-00 028-4374 542-0132 965-0554	D675 D675 D534	8 8 8	II-A II-A II-A	1.3 1.3 1.3	C C C	1,779 TO 1,792	

THIS DRAWING SUPERSEDES PART OF DRAWING 19-48-4042-1-2-5-11-14PM1000, DATED FEBRUARY 1965, AND REVISION 1, THERETO, DATED 29 AUGUST 1969.

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

	REVIS	IONS		CHECKER	DAK WRF	Muu	
			-	BAYON		ULLO LA	ADINESS COMMAND
-	-			S	len. L.	MANDING GENERAL, READINESS COMMA	AND SCHOOL
			U. S. ARMY DARCOM DRAWING				
				0	CTOBE	R 1979	
			,	CLASS	DIVISION	DRAWING	FILE
				19	48	4042A/ 5	20PM 1001

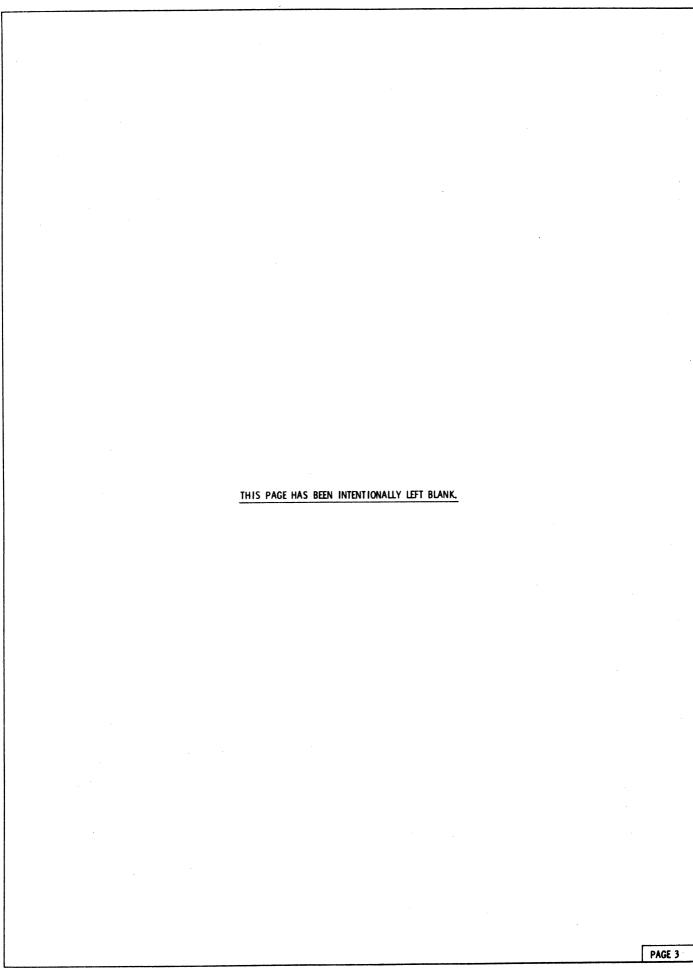
DO NOT SCALE

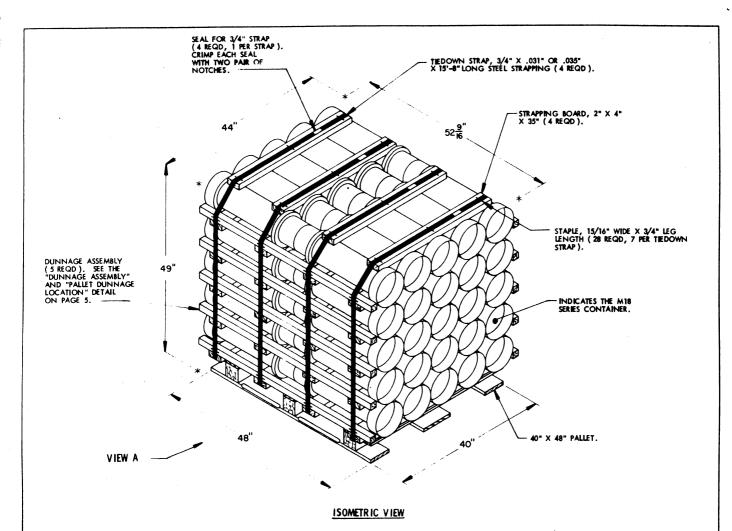
GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZING PROCEDURES DRAWING 19-48-4042-20PM1001. 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, WEIGHT OF THE SPECIFIED ITEM, AND METHOD OF UNITIZATION.
- C. FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX, SEE DARCOM DRAWING 19-48-4042-1-2-5-11-14PM1000, REVISION NO. 1.
- 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 PROFELLING CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN.) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE MIB SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.
- G. FOR DETAILS OF THE M18 SERIES CONTAINER, SEE PICATINNY ARSENAL DRAWING NO. 8880530.
- H. THE SPECIFIED UNITIZING PROCEDURES SHOWN HEREIN DEPICT TWO DIFFERENT METHODS FOR UNITIZING THE M18 SERIES CONTAINERS:
 - UNIT "A" DEPICTS CONTAINERS UNITIZED ON FLAT DUNNAGE. SEE DETAILS ON PAGES 4 AND 5.
 - 2. UNIT "B" DEPICTS CONTAINERS UNITIZED ON ROUTED DUNNAGE. SEE DETAILS ON PAGES 6 AND 7.

BOTH METHODS ARE APPROVED FOR USE.

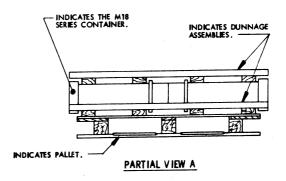
J. IF DEEMED MORE ECONOMICAL FOR SHIPPING AND STORAGE BY THE RESPONSIBLE COMMAND, THE UNITS DEPICTED IN THE FOLLOWING PAGES MAY BE DECREASED BY ONE COMPLETE LAYER OF CONTAINERS. FOR FURTHER UNITIZATION GUIDANCE, SEE SPECIAL NOTE 1 ON PAGES 4 AND 6.



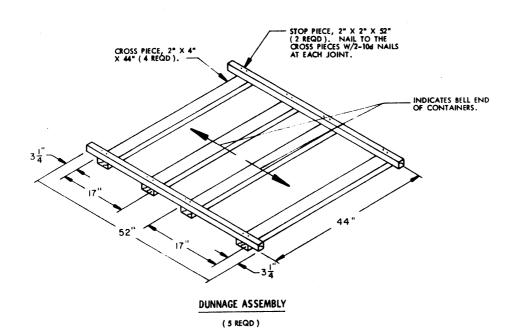


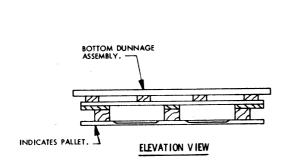
SPECIAL NOTE:

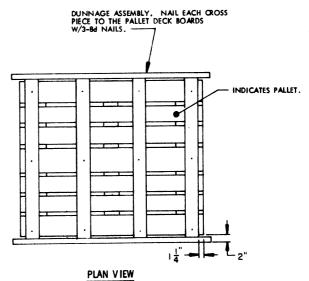
1. THE UNIT DEPICTED ABOVE MAY BE REDUCED BY ONE COMPLETE LAYER OF CONTAINERS BY THE DELETION OF ONE DUNINAGE ASSEMBLY AND TEN CONTAINERS, AND BY DECREASING THE STRAP LENGTHS APPROPRIATELY. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 40-5/8".



UNIT A (FLAT DUNNAGE)



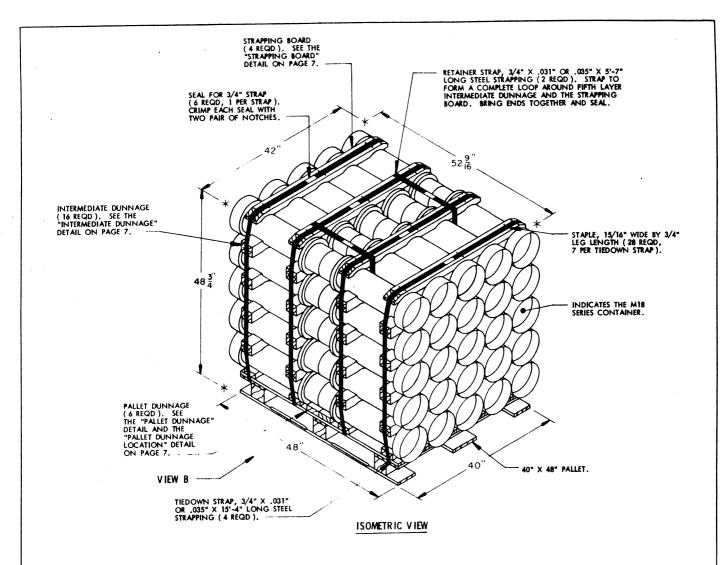




PALLET DUNNAGE LOCATION

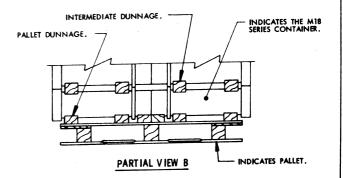
LUMBER	NO. REQD	LINEAR FEE	T BOARD FEET	
2" X 2" X 52" 2" X 4" X 35" 2" X 4" X 44"	10 4 20	43.33 11.67 73.33	14.44 7.78 48.89	
NAILS	NO. R	EQD	POUNDS	
8d (2-1/2") 10d (3")	12 80		0.13 1.23	
ALLET, 40" X 48"-			REQD 80 LB	

UNIT DATA	WEIGHT
CUBE 65.6 CUBIC FEET (APPROX) CONTAINER, M18 SERIES 50 EA @ 31 LBS DUNNAGE	1,550 LBS (APPROX) 149 LBS 80 LBS
TOTAL WEIGHT	1,779 LBS (APPROX)

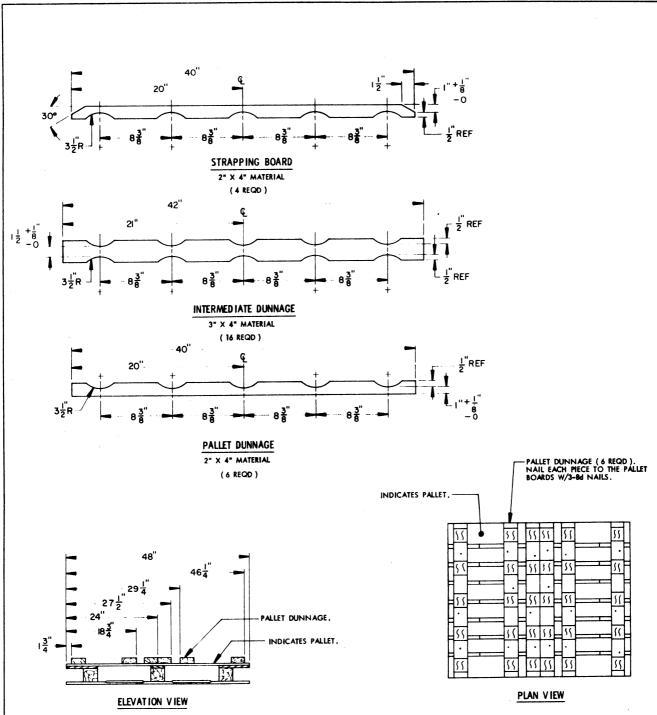


SPECIAL NOTES:

- 1. THE UNIT DEPICTED ABOVE MAY BE REDUCED BY ONE COMPLETE LAYER OF CONTAINERS BY THE DELETION OF FOUR INTERMEDIATE DUNNAGE PIECES AND TEN CONTAINERS, AND BY DECREASING THE STRAP LENGTHS APPROPRIATELY. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 40-1/4".
- IF DESIRED, A 2" X 6" PIECE CAN BE SUBSTITUTED FOR THE ONE SET OF TWO (SIDE BY SIDE) 2" X 4" PIECES OF PALLET DUNNAGE LOCATED AT THE CENTER OF THE PALLET DECK ON THE 48" SIDES OF THE PALLET. THE 2" X 6" PIECE WILL BE NAILED TO THE PALLET W/6-8d NAILS.



UNIT B (ROUTED DUNNAGE)



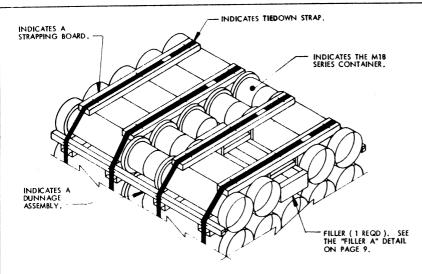
PALLET DUNNAGE LOCATION

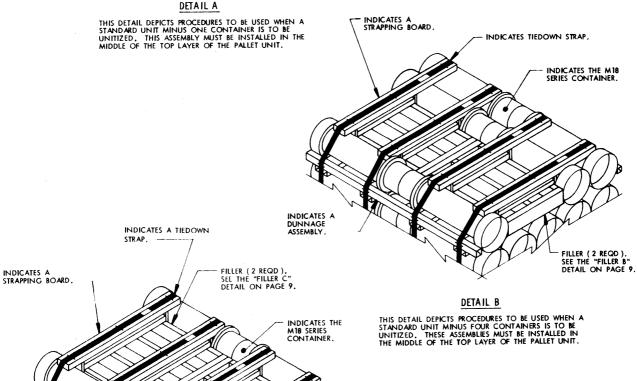
LUMBER	NO, REQD	LINEAR FEET	BOARD FEET
2" X 4" X 40" 3" X 4" X 42"	10 16	33.33 56.00	22.22 56.00
NAILS	NO.	REQD	POUNDS
8d (2-1/2")		18 0.19	
ALLET, 40" X 48"			EQD 80 LBS

UNIT DATA	WEIGHT
CUBE 42.9 CUBIC FEET (APPROX) CONTAINER, M18 SERIES 50 EA @ 31 LBS DUNNAGE	1,550 LBS (APPROX) 162 LBS 80 LBS
TOTAL WEIGHT	1,792 LBS (APPROX)

UNIT B (ROUTED DUNNAGE)

PAGE 7



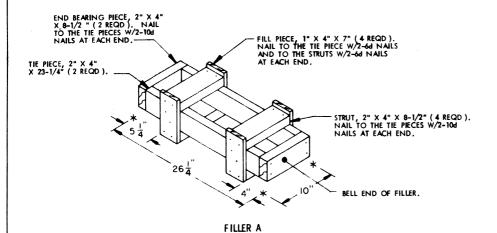


DETAIL C

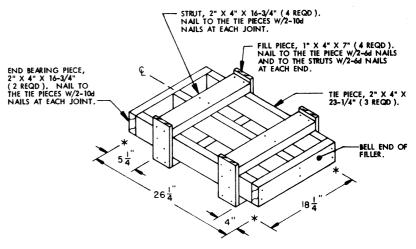
THIS DETAIL DEPICTS PROCEDURES TO BE USED WHEN A STANDARD UNIT MINUS SEVEN CONTAINERS IS TO BE UNITIZED. WHEN TEN CONTAINERS ARE TO BE OMITTED FROM A PALLET UNIT, A COMPLETE LAYER OF CONTAINERS MUST BE OMITTED. A COMBINATION OF FILLERS OR ONE OF THE FILLERS DEPICTED ON PAGE 9 MAY BE USED WHEN NINE OR LESS CONTAINERS ARE TO BE OMITTED FROM A PALLET UNIT. ALL FILLER ASSEMBLIES MUST BE INSTALLED IN THE MIDDLE OF THE TOP LAYER OR LAYERS OF A PALLET UNIT.

FILLER (1 REQD). SEE THE "FILLER A" DETAIL ON PAGE 9.

INDICATES A
DUNNAGE
ASSEMBLY. _

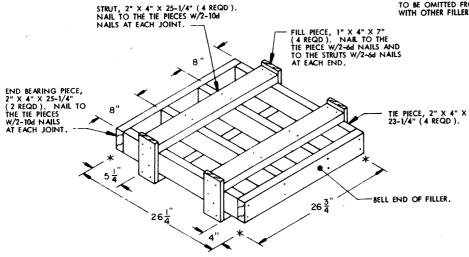


THIS FILLER IS TO BE USED WHEN ONE CONTAINER IS OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLIES.



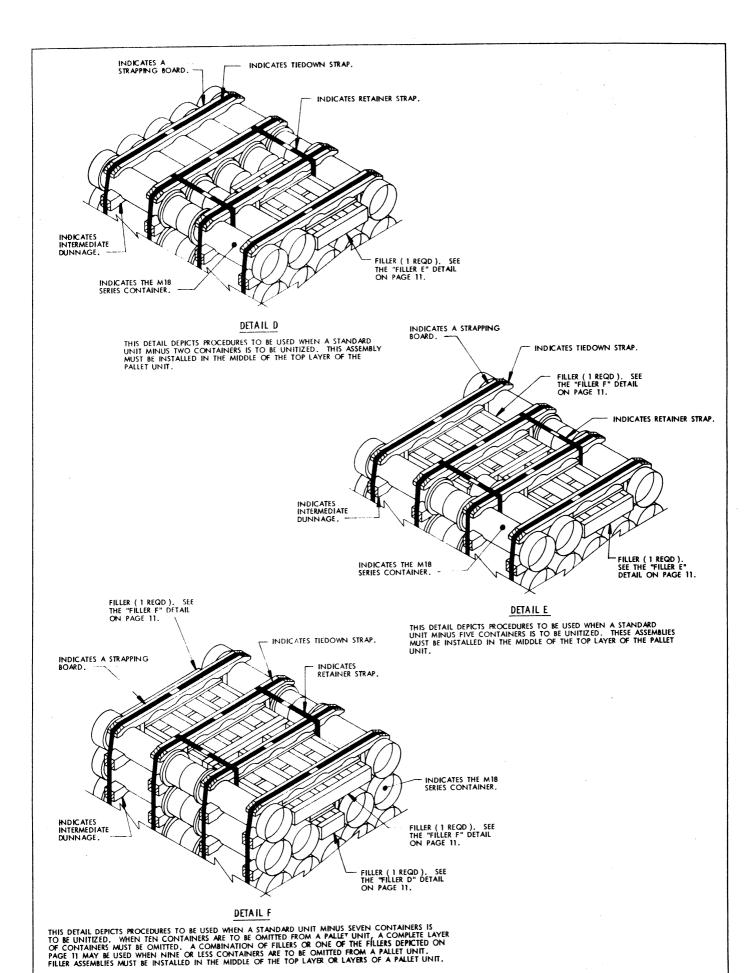
FILLER B

THIS FILLER IS TO BE USED WHEN TWO CONTAINERS ARE TO BE OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLES.



FILLER C

THIS FILLER IS TO BE USED WHEN THREE CONTAINERS ARE TO BE OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLES.



FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS (ROUTED DUNNAGE UNITS)

