# APPENDIX 6

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

# MI9 SERIES CONTAINERS

#### INDEX

<u>PAGI</u>	<u>E (S)</u>
GENERAL NOTES UNIT A (FLAT DUNNAGE) UNIT B (ROUTED DUNNAGE) FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS:	2 4, 5 6, 7
UNIT A (FLAT DUNNAGE)	8, 9 10, 11

PALLET UNIT DATA						
ITEMS INC	LUDED	HAZ	ZARD CLA	WEIGHT		
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)
1320-00 028-4375 028-4378 628-7741 028-4527	D676 D676 D674 D677	B B B	II-A II-A II-A	1.3 1.3 1.3	000	1,872 TO 1,873

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

THIS DRAWING SUPERSEDES PART OF DRAWING 19-48-4042-1-2-5-11-14PM1000, DATED 8 FEBRUARY 1965, AND REVISION 1, THERETO, DATED 25 AUGUST 1969.

	REVIS	ions	CHECKER /	DAKWR	F/JWJ	
			RSHO/ APPROVED, I	U. S. SPEC ARE	Allio   AMENT MATERIEL RI	ADINESS COMMAND
	1 1/		DRSAR-MAI		DRSAR -TMD	·
L			APPROVED B MATERIEL D		MANDING SENERAL,	U. S. ARMY IND (DARCOM)
			U-8/	Jahr ARMY DEFENSE	AMMUNITION CENT	ER AND SCHOOL
			U. S.	ARMY D	ARCOM I	DRAWING
ОСТО				TOBER	1979	
			CLASS	DIVISION	DRAWING	FILE
Г			10	48	4042A/	20PM
			19	40	6	1001

DO NOT SCALE

#### GENERAL NOTES

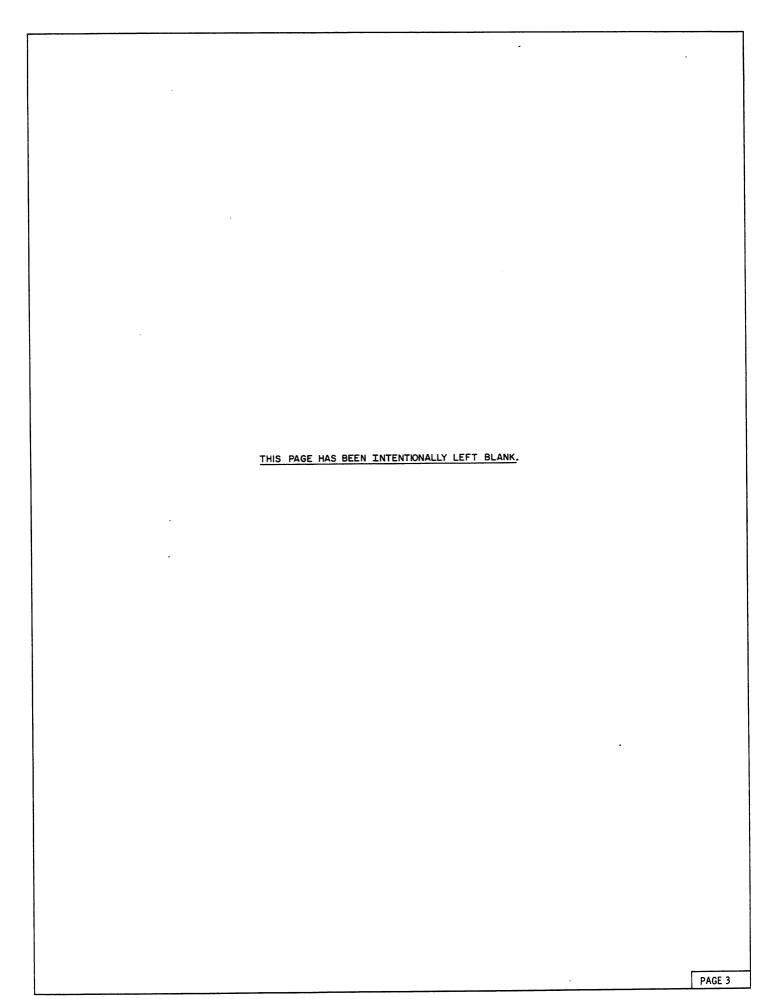
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZING PROCEDURES DRAWING 19-48-4042-20PM1001. TO PRODUCE AN APPROVED UNIT LOAD, ALL PRITINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN 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 PROPELLING CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE M19 SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.
- G. FOR DETAILS OF THE M19 SERIES CONTAINER, SEE PICATINNY ARSENAL DRAWING NO. 8880531.

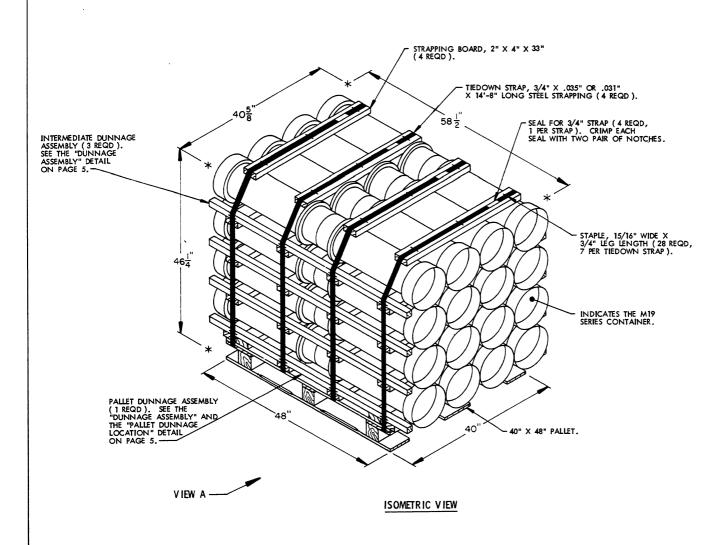
(WITH CHARGE) ----- 52 POUNDS (APPROX).

- H. THE SPECIFIED UNITIZING PROCEDURES SHOWN HEREIN DEPICT TWO DIFFERENT METHODS FOR UNITIZING THE MIP SERIES CONTAINERS:
  - 1. 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.

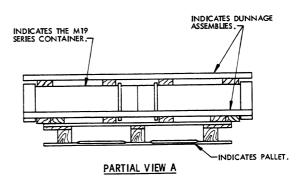
J. IF DEEMED MORE ECONOMICAL FOR SHIPPING AND STORAGE BY THE RESPONSIBLE COMMAND, THE UNITS DEPICTED IN THE FOLLOWING PAGES MAY HAVE ONE COMPLETE LAYER OF CONTAINERS DELETED. FOR FURTHER UNITIZATION GUIDANCE, SEE SPECIAL NOTE 1 ON PAGES 4 AND 6.



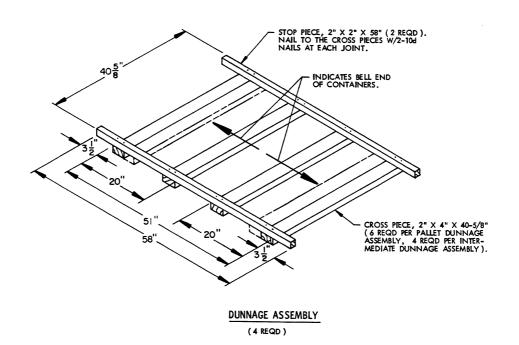


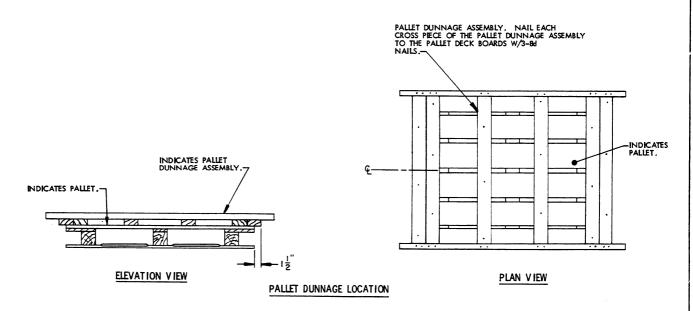
#### SPECIAL NOTES:

- 1. THE UNIT DEPICTED ABOVE MAY BE REDUCED BY ONE COMPLETE LAYER OF CONTAINERS BY THE DELETION OF ONE INTERMEDIATE DUNNAGE ASSEMBLY AND EIGHT CONTAINERS, AND BY DECREASING STRAP LENGTHS APPROPRIATELY. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 36-1/2".
- IF DESIRED, A 2" X 6" PIECE CAN BE SUBSTITUTED FOR EACH SET OF TWO (SIDE BY SIDE) 2" X 4" PIECES ON THE PALLET DUNNAGE ASSEMBLY. EACH 2" X 6" PIECE WILL BE NAILED TO THE PALLET W/6-8d NAILS.



UNIT A (FLAT DUNNAGE)



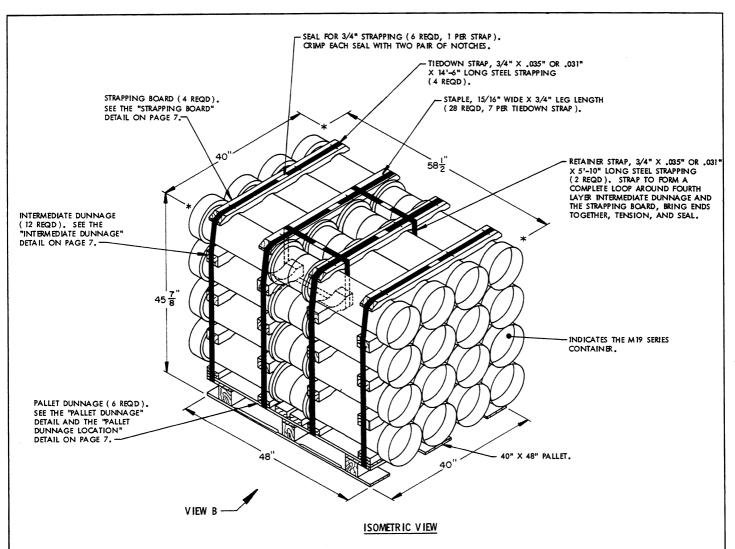


LUMBER	NO. REQD	LINEAR FEET		BOARD FEET
2" X 2" X 58" 2" X 4" X 33" 2" X 4" X 40-5/8"	8 4 18	111	.67 .00 .94	12.89 7.33 40.63
NAILS	NO. REQD		POUNDS	
8d (2-1/2") 10d (3")	18 72			0.19 1.11
PALLET, 40" X 48" STEEL STRAPPING, 3, SEAL FOR 3/4" STRAP STRAP STAPLE, 15/10	/4" X .035" OR .	031" 5	8.67' REG 4 REG	D 80 D 4.19

UNIT DATA	WEIGHT
CUBE 63.6 CUBIC FEET ( APPROX ) CONTAINER, M19 SERES 32 EACH @ 52 LBS DUNNAGE PALLET	1,664 LBS (APPROX) 128 LBS 80 LBS
TOTAL WEIGHT	T CTO LOC / ADDD OV )

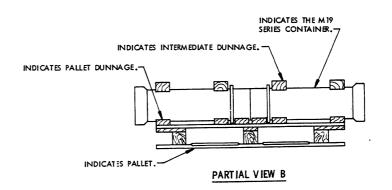
UNIT A (FLAT DUNNAGE)

PAGE 5

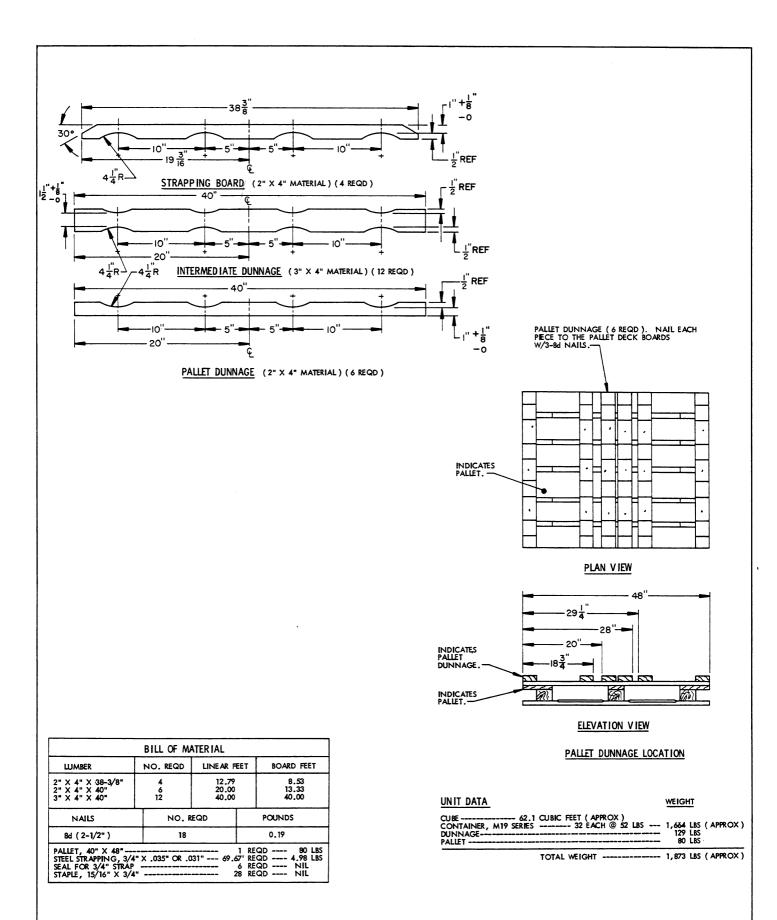


#### SPECIAL NOTE:

 THE UNIT DEPICTED ABOVE MAY BE REDUCED BY ONE COMPLETE LAYER OF CONTAINERS BY THE DELETION OF FOUR INTERMEDIATE DUNNAGE PIECES AND EIGHT CONTAINERS, AND BY DECREASING STRAP LENGTHS APPROPRIATELY. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 36".

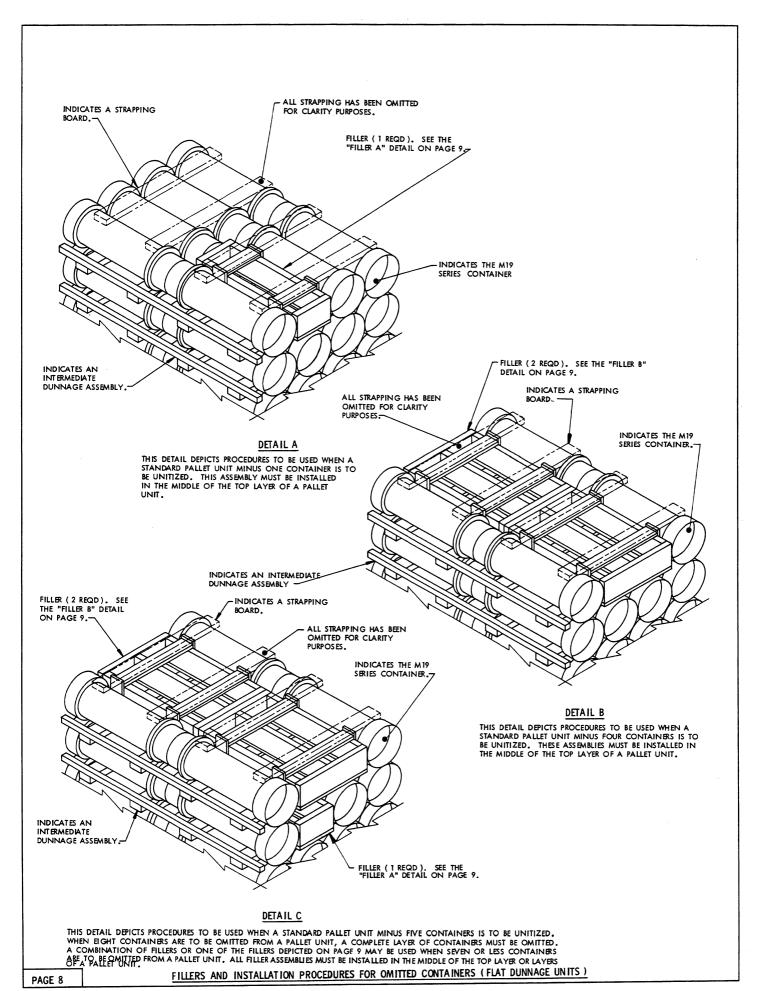


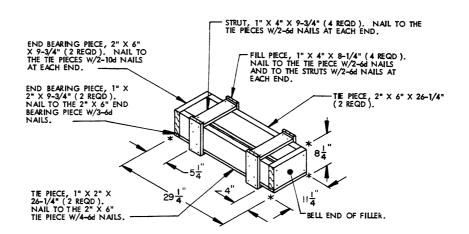
UNIT B ( ROUTED DUNNAGE )



UNIT B ( ROUTED DUNNAGE )

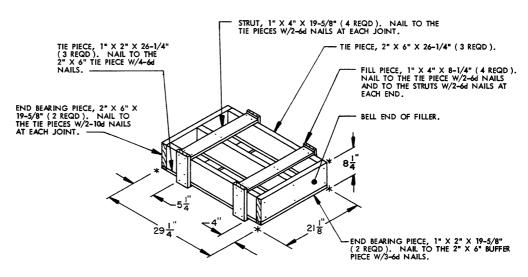
PAGE 7





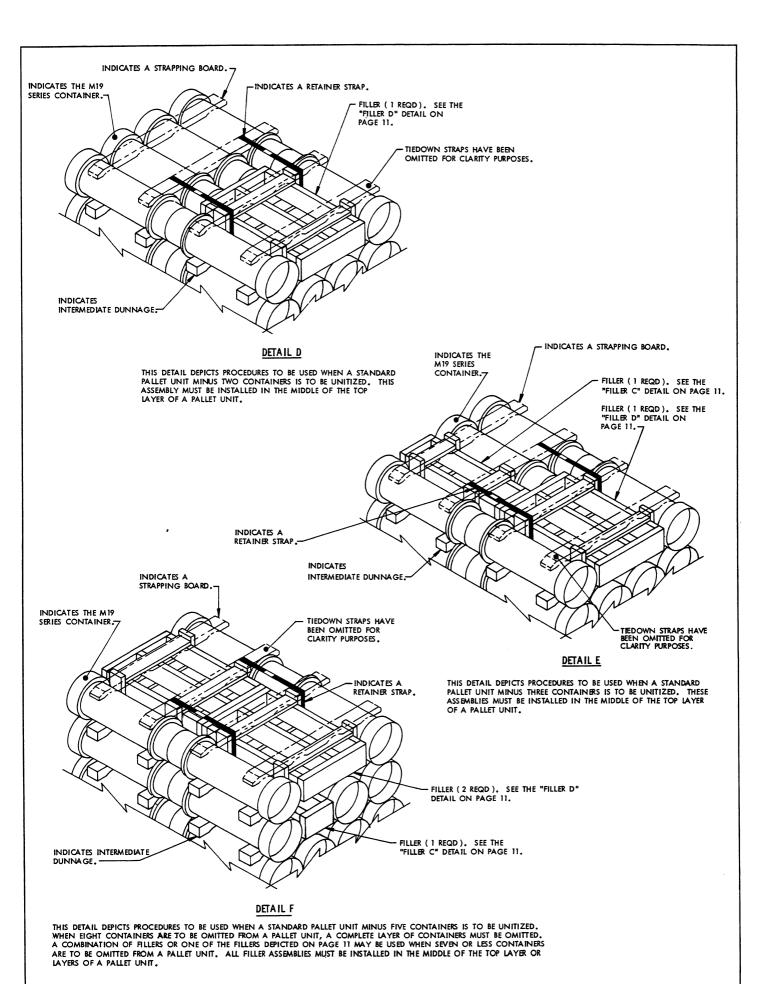
## FILLER A

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

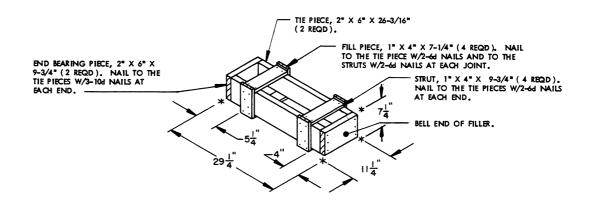


## FILLER B

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

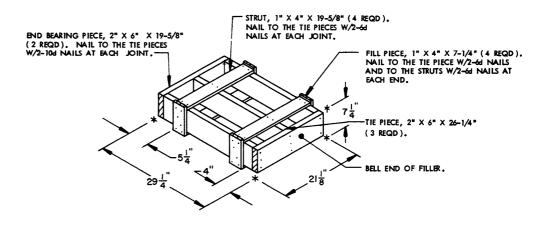


FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS ( ROUTED DUNNAGE UNITS )



### FILLER C

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



# FILLER D

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

