# APPENDIX 2

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

# MI3 SERIES CONTAINERS

#### &NDEX,

<u>ITEM</u>	PAGE (S)
GENERAL NOTES	4,5
UNIT B (ROUTED DUNNAGE) FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS:	6, 7
UNIT A (FLAT DUNNAGE)	

PALLET UNIT DATA							
ITEMS IN	CLUDED	HAZARD CLASSIFICATION			TION WEIGHT		
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	(LBS)	
1320-00- 028-4878 028-4879 935-1923	D541 D541 D541	B B B	II-A II-A II-A	1.3 1.3 1.3	C C C	1,747 TO 1,761	

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT 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 NO. 1, THERETO, DATED 29 AUGUST 1969.

Г		REVIS	SIONS	Dec /	MEK GW	P/Mw .	<i>'</i> )
	1	1.6/	Motor & Paren	CORCERS AND ADDRESS OF THE PARTY OF T	0.2	MENT MATERIEL PI	
Ľ	JUN 86	N/A	Willia Floret	<i>a</i>	.7)	Dave	
				- W	A Residence	DRSAR-THO	
	1	$V_{-}$		-		MANONS SENERAL, REASINESS COMM	U. S. ARMY
		17			MANY DEFERME	AMBOUNT NON CEN	TER AND SCHOOL
	Ì	V		U. S.	ARMY C	ARCOM	DRAWING
Г		7			OCTOBE	R 1979	
L				CLASS	DIVISION	DRAWING	FILE
				19	48	4042A/ 2	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 19-48-4042-209M 1001. 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. OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIZEMENTAL BE ACCOMPLISHED IN ACCORDANCE WITH AMC (DARCOM) DRAWINGS IDENTI-FIED 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 A DIFFERENT NATIONAL STOCK NUMBER (NSN) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE MI3 SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.
- G. FOR DETAILS OF THE M13 SERIES CONTAINER, SEE PICATINNY ARSENAL DRAWING NO. 8880527:

CONTAINER DIMENSIONS --- 27-1/2" LONG BY 7-25/32" DIAMETER.
CONTAINER CUBE ------- 1.0 CUBIC FOOJ.
CONTAINER WEIGHT
(WITH CHARGE) ------ 30,5 POUNDS (APPROX).

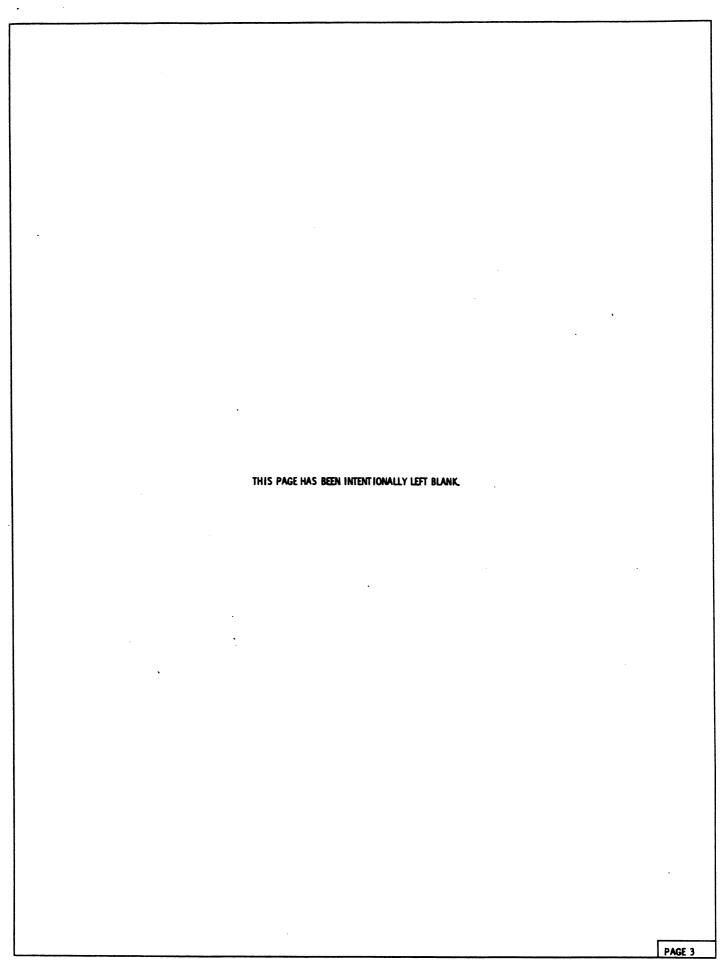
- H. THE SPECIFIED UNITIZING PROCEDURES SHOWN HEREIN DEPICT TWO DIFFERENT METHODS FOR UNITIZING THE MI3 SERIES CONTAINERS:
  - 1. UNIT A DEPICTS CONTAINERS UNITIZED ON FLAT DUNNAGE. SEE DETAILS ON PAGES 4 AND 5.
  - UNIT'8' DEPICTS CONTAINERS UNITIZED ON ROUTED DUNNAGE. SEE DETAILS ON PAGES 6 AND 7.

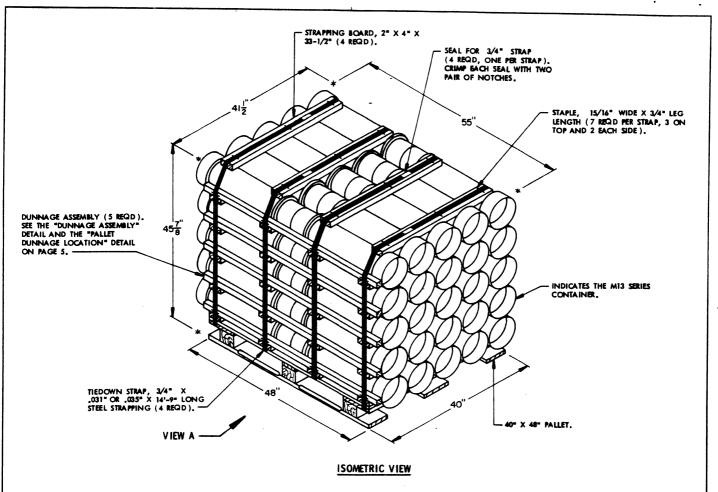
BOTH METHODS ARE APPROVED FOR USE.

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

#### REVISION

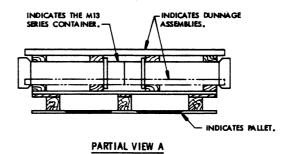
REVISION NO. 1, DATED JUNE 1986, CONSISTS OF:
CHANGING 1-1/4" STRAPPING TO 3/4" STRAPPING.



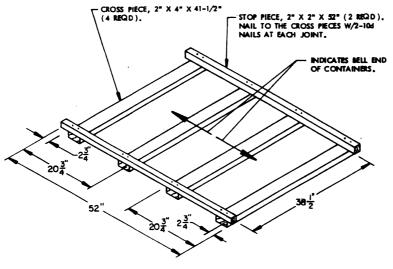


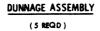
## SPECIAL NOTES

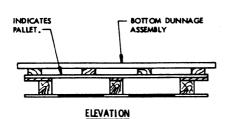
1. THE UNIT DEPICTED ABOVE MAY BE REDUCED BY ONE COMPLETE LAYER OF CONTAINERS BY THE DELETION OF ONE DUNNAGE ASSEMBLY AND TEN CONTAINERS, AND BY DECREASING THE STRAP LENGTHS APPROPRIATELY. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 38-1/8".



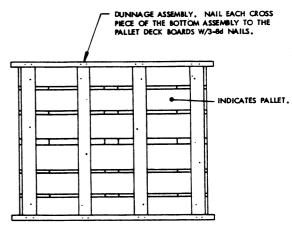
UNIT A (FLAT DUNNAGE)







' X 4" X 33-1/2" 4 11.17 7.44	LUMBER	NO. REQD	LINEAR FEET	BOARD FEET	
X 4" X 41-1/2" 20 69.17 46.11	" X 2" X 52"	10	43,33	14,44	
	" X 4" X 33-1/2"	4	11,17	7.44	
NAILS NO. REQD POUNDS	" X 4" X 41-1/2"	20	69.17	46.11	
	NAILS	NO	O. REQD	POUNDS	
8d (2-1/2") 12 0.13	8d (2-1/2")		12	0.13	
10d (3") 80 1.23	10d (3")	1	80	1.23	
TELL STRAPPING, 3/4" X ,031" OR ,035" - 59,00' REQD-4,21		3/4" Y 021		WI 850D 4 03 18	



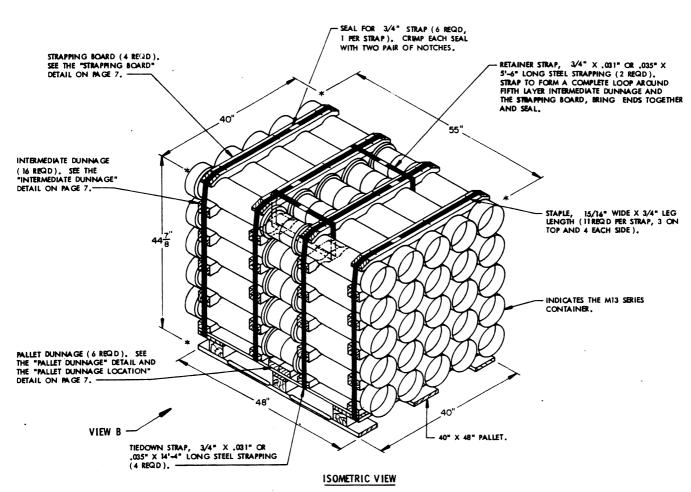
#### PALLET DUNNAGE LOCATION

UNIT DATA	WEIGH	<u>1T</u>	
CUBE	142	LBS LBS LBS	(APPROX)
TOTAL WEIGHT	1,747	LBS	(APPROX)

**PLAN** 

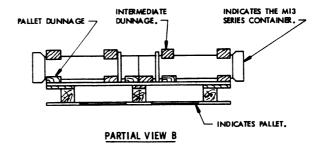
UNIT A (FLAT DUNNAGE)

PAGE 5

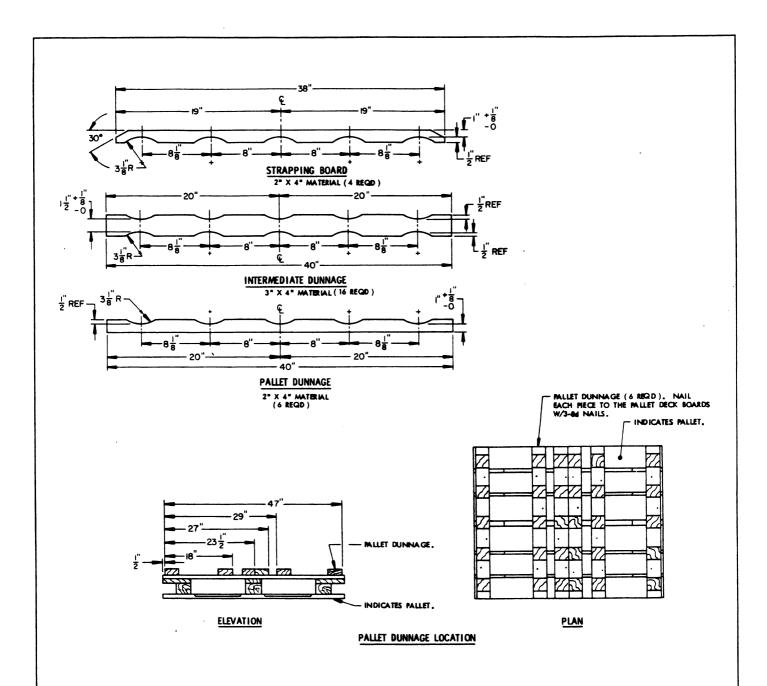


### SPECIAL NOTES

 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 37-1/8".



UNIT B ( ROUTED DUNNAGE )

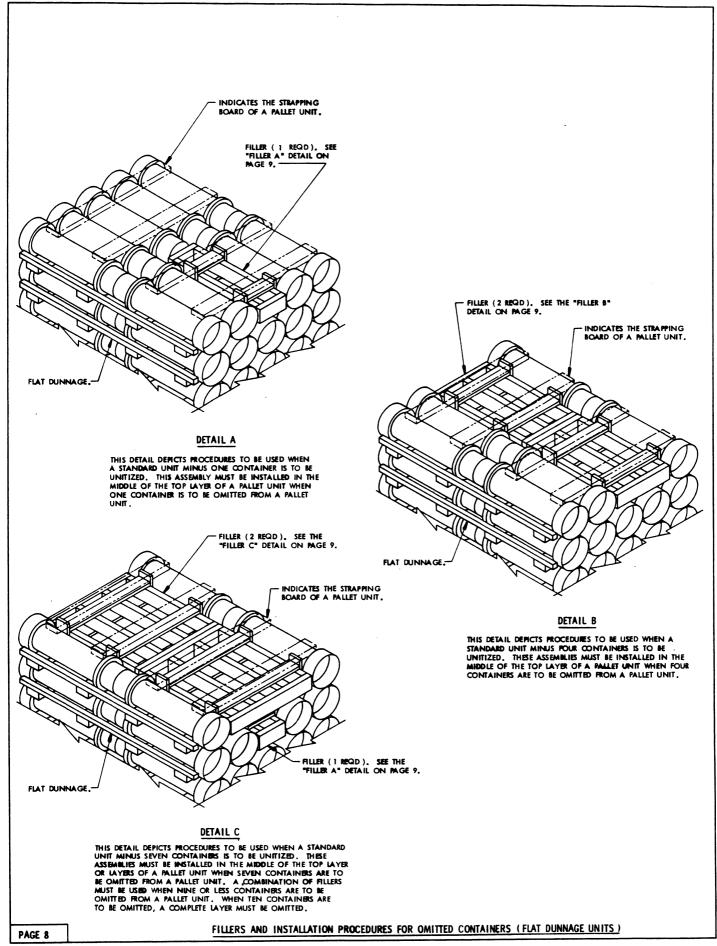


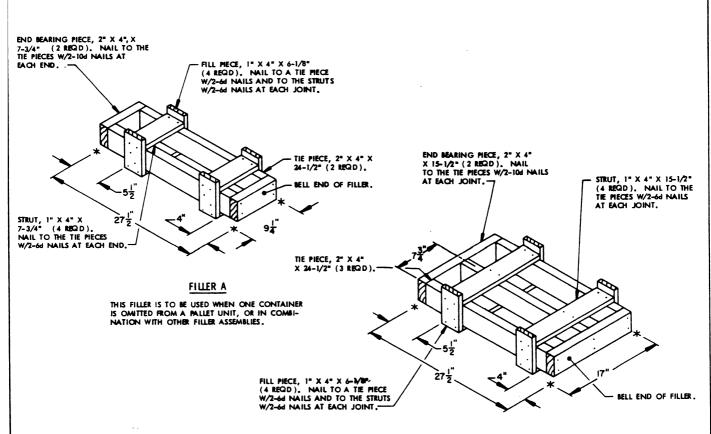
LUMBER	NO. REQD	LINEAR FEET	BOARD FEET
2" X 4" X 38"	4	12.67	8.44
2" X 4" X 40"	6	20.00	13.33
3" X 4" X 40"	16	53.33	\$3.33
NAILS	NO.R	EQD	POUNDS
8d (2-1/2")	1 18		0.19
STEEL STRAPPING	, 3/4" X .031"	OR .035" - 68.3	3' REQD - 4.88
SEAL FOR 3/4"	STRAP	6	REQD - NIL

UNIT DATA	WEIGHT	
CUBE	1,525 LBS 156 LBS	
MLIET	80 LBS	
TOTAL WEIGHT	1,761 LBS	(APPROX)

UNIT B (ROUTED DUNNAGE)

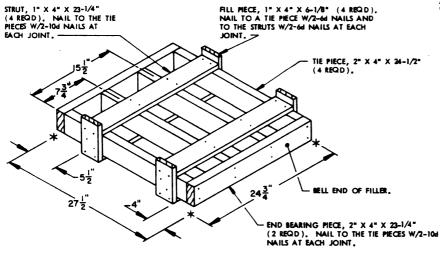
PAGE 7





#### 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.



### 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 ASSEMBLIES.

