APPROVED BY	APPROVED BY
THE PRINT OUNTO	BUREAU OF EXPLOSIVES
Mander	d. F. Gressmet
- 5/24/23	414/73
DEVISION NO I	REVISION NO I
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DATE # ST/33/74	DATE \$/2/74/

HAWK

LOADING AND BRACING IN MILVAN CONTAINERS OF COMPLETE ROUND, PACKED IN THE M430 OR M6II CONTAINER, FOR SHIPMENT BY T/COFC CARRIER

- LOADING AND BRACING SPECIFICATIONS SET FORTH WITHIN THIS DRAWING ARE APPLICABLE TO LOADS THAT ARE TO BE SHIPPED BY TRAILER/CONTAINER-ON-FLAT-CAR (T/COFC) RAIL CARRIER SERVICE. THESE SPECIFICATIONS MAY ALSO BE USED FOR LOADS THAT ARE TO BE MOVED BY MOTOR OR WATER OR AIR CARRIERS. SEE GENERAL NOTE "P" ON PAGE 2.
- ONLY MILVAN CONTAINERS WHICH HAVE BEEN MODIFIED TO INCLUDE A MECHANICAL LOAD-BRACING SYSTEM THAT SATISFIES THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C WILL BE USED FOR THE MOVEMENT OF AMMUNITION BY T/COFC SERVICE. CAUTION: OTHER REQUIREMENTS OF PAMPHLET 6C ALSO APPLY.

	INDEX	
ITEM		PAGE(S)
GENERAL NOTES, AND MATERIAL		
UNITIZATION AND HANDLING P		
SIX-CONTAINER LOAD		4, 5
FIVE-CONTAINER LOAD		
FOUR-CONTAINER LOAD		10, 11
THREE-CONTAINER LOAD		12, 13
TWO-CONTAINER LOAD		14
ONE-CONTAINER LOAD		

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				JUNE 1973			
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DO NOT SCALE

GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AMCR 740-13, AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- B. THE OUTLOADING PROCEDURES SPECIFIED HEREIN ARE APPLICABLE TO THE HAWK COMPLETE ROUND, WHEN PACKED IN THE MASO OR MAIT CONTAINER. SUBSEQUENT REPRENCE TO CONTAINER HEREIN MEANS THE CONTAINER WITH MISSILE COMPONENTS.

- D. THIS ITEM IS A DOT CLASS "A" EXPLOSIVE, AND A COAST GUARD CLASS X-C.
 THE OUTLOADING PROCEDURES SPECIFIED HEREIN CAN ALSO BE UTILIZED FOR
 THE SHIPMENT OF THE DEPICTED CONTAINERS WHEN THEY ARE LOADED WITH AN
 ITEM WHICH IS IDENTIFIED DIFFERENTLY BY NOMENCLATURE THAN THE ITEM
 DESIGNATED WITHIN THE DRAWING TITLE.
- E. THE LOADS AS SHOWN ARE BASED ON A 20' LONG BY 8" NDE BY 8" HIGH MILVAN CONTAINER WITH INSIDE DIMENSIONS OF 19"-4" LONG BY 92" WIDE BY 87" HIGH. THE LOADS ARE DESIGNED FOR TRAILER/CONTAINER-ON-FLAT-CAR SERVICE.
- F. THE SPECIFIED OUTLOADING PROCEDURES ARE FOR CONTAINERS EQUIPPED WITH SELF-CONTAINED MECHANICAL BRACING DEVICES AS DESCRIBED WITHIN SUREAU OF EXPLOSIVES PAMPHET &C. CROSS MEMBER ATTACHMENT FACILITIES WITHIN THESE CONTAINERS MUST PROVIDE FOR THE INSTALLATION OF LOAD BLOCKING CROSS MEMBERS AT THE HEIGHTS SPECIFIED. THE HEIGHT DIMENSIONS SPECIFIED WITHIN THIS DRAWING FOR THE INSTALLATION OF CROSS MEMBERS CONFORM WITH BUREAU OF EXPLOSIVES PAMPHET &C. WITH THE EXCEPTION THAT TWO (2) ADDITIONAL BELT RAILS HAVE BEEN SHOWN; ONE AT 72" AND ONE AT 83" MEIGHT FROM THE CONTAINER FLOOR, VOIDS LENGTHWISE WITHIN THE LOAD MUST BE HELD TO A MINIMUM, CROSS MEMBERS WIST BE PLACED AGAINST THE LADING AS TIGHTLY AS THE HOLE SPACING IN THE CROSS MEMBER ATTACHMENT FACILITY PERMITS. EACH CROSS MEMBER WILL BE INSTALLED WITH THE ENDS ATTACHED AS NEARLY AS POSSIBLE IN "MATED" POSITIONS (AT EQUAL HEIGHTS AND AT EQUAL DISTANCES FROM THE END OF THE CONTAINER). CROSS MEMBERS WILS THE PROVINCES HEAD TO EACH CONTAINER MUST BE FASTENED INTO BELT RAILS FOR SHIPMENT. COMPONENTS ASSIGNED TO EACH CONTAINER MUST BE THE "FILL DETAIL" ON PAGE 16 FOR THE DUNNAGING METHOD REQUIRED TO ELIMINATE AND EXCESSIVE LENGTHWISE VOID WITH A LOAD. THE LOAD BLOCKING COMPONENT DESIGNATED AS "CROSS MEMBER", HEREIN, IS IDENTIFIED AS "BEAM ASSEMBLY" WITHIN TM 55-9115-200-24, DATED SEPTEMBER 1972. THE BEAM ASSEMBLY IS FURTHER DENTIFIED AS SHE 8115-00-16423 ().
- G, VOIDS BETWEEN THE FILL ASSEMBLIES AND THE LADING MUST NOT EXCEED ONE-HALF INCH $(1/2^{\circ})$. ADDITIONAL MATERIAL MAY BE ADDED, OR THINNER MATERIAL MAY BE USED TO ACHIEVE THE PROPER THICKNESS AS REQUIRED.
- H. IF 1-3/8" THICK DIMENSIONAL LUMBER IS NOT AVAILABLE FOR THE SPECIFIED FILL MATERIAL, PIECES CAN BE MADE BY PLANING NOMINAL 2" X 4" MATERIAL TO THE PROPER THICKNESS. ALSO, STRIPS OF PLYWOOD CAN BE USED AS FILL MATERIAL. USE PLYWOOD OF DIFFERENT THICKNESS TO ACHIEVE THE SPECIFIED
- J. DUNNAGE LUMBER SPECIFIED IS OF A NOMINAL SIZE. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY 3/4" THICK BY 3-1/2" OR 3-5/8" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE OR 1-5/8" THICK BY 5-5/8" WIDE UNLESS OTHERWISE SPECIFIED.
- K, CAUTION: DO NOT NAIL DUNNAGE MATERIAL TO THE CONTAINER WALLS OR FLOOR, ALL NAILING WILL BE WITHIN THE DUNNAGE.
- L. A STAGGERED NAILING PATTERN WILL BE USED WHEREVER POSSIBLE WHEN NAILS ARE DRIVEN INTO JOINTS OF DUINNAGE ASSEMBLIES OR WHEN LAMINATING DUINNAGE. ADDITIONALLY, THE NAILING PATTERN FOR AN UPPER PIECE OF LAMINATED DUINNAGE WILL BE ADJUSTED AS REQUIRED SO THAT A NAIL FOR THAT PIECE WILL NOT BE DRIVEN THROUGH ONTO OR RIGHT BESIDE A NAIL IN A LOWER PIECE.
- M. PORTIONS OF THE CONTAINER DEPICTED WITHIN THIS DRAWING, SUCH AS ONE OF THE SIDE WALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARIFY PURPOSES.

(CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

LUMBER	SEE TM 743-200-1, DUNNAGE LUMBER; FED SPEC MM-L-75
NAILS	COMMON, CEMENT COATED OR CHEMICALLY ETCHED; FED SPEC FF-N-105. ALT: ANNULAR-RING TYPE NAIL OF THE SAME SIZE,
WIRE	FED SPEC QQ-W-461.
STRAPPING, STEEL:	TYPE I OR IV, FINISH A OR 8; FED SPEC QQ-S-781.
SEAL, STRAP; STAPLE, STRAP	COMMERCIAL GRADE.
ANTI-CHAFING MATERIAL	NEUTRAL BARRIER MATERIAL MIL-8-821 OR EQUAL.

(GENERAL NOTES CONTINUED)

N. WHEN ANY STRAP IS SEALED AT AN END-OVER-END LAP JOINT, TWO (2) SEALS, BUTTED TOGETHER, WITH TWO (2) PAIR OF CRIMPS PER SEAL MUST BE USED TO SEAL THE JOINT, WHEN ANY STRAP IS INSTALLED AROUND A BELT RAIL WITH A LAP-BACK-ON-SELF JOINT, ONE (1) SEAL WITH TWO (2) PAIR OF CRIMPS WILL BE USED.

O. MAXIMUM LOAD WEIGHT CRITERIA:

THE ITEMIZED LOAD WEIGHTS ARE CONTROLLED BY EQUIPMENT CAPABILITY FACTORS. ALSO, THESE LISTED LOAD WEIGHTS IDENTIFY THE COMBINED WEIGHT OF AMMUNITION LADING UNITS AND DUNNAGE THAT CAN BE PLACED INTO ONE MILVAN CONTAINER WITHOUT VIOLATING ONE OR MORE OF THE "CAPABILITY FACTORS". SEE NOTES 1 AND 2.

39,100 LBS IN 20-FT CONTAINER (W/O CHASSIS) ABOARD CONTAINERSHIP.
39,100 LBS IN CONTAINER ON 20-FT CHASSIS WITH DOUBLE BOGIE. SEE NOTE 3.
25,300 LBS IN CONTAINER ON 20-FT CHASSIS WITH SINGLE BOGIE. SEE NOTE 4.
21,300 LBS IN EACH CONTAINER ON 40-FT CHASSIS (COUPLED WITH DOUBLE

BOGIE). SEE NOTE 3.

19,300 LBS IN 20-FT CONTAINER (W/O CHASSIS) ABOARD FIXED-WING AIRCRAFT 39,100 LBS IN 20-FT CONTAINER (W/O CHASSIS) FOR ROTARY-WING AIRCRAFT.

SEE NOTE 5.

NOTE 1: DUNNAGE INCLUDES MATERIALS, OTHER THAN COMPONENTS OF THE MECHANICAL LOAD-BRACING SYSTEM, USED TO BLOCK AND BRACE A LOAD.

NOTE 2: ALTHOUGH THE HEAVIEST MAXIMUM LOADS ARE DELINEATED IN THE LOAD VIEWS, PROVISIONS ARE INCLUDED WITHIN THIS DRAWING SO THAT THE BASIC LOADS CAN BE ADJUSTED TO SATISFY A LESSER QUANTITY OF LADING UNITS. ADDITIONAL INSTRUCTIONS ARE FURNISHED IN THE "SPECIAL NOTE (5)" SECTION FOR EACH LOAD VIEW.

NOTE 3: DEPENDING ON TRANSPORTATION ROUTING, IT MAY BE NECESSARY TO REDUCE THE LOAD WEIGHT TO SATISFY "WEIGHT LAWS" OF CERTAIN STATES. ALSO, IT MAY BE NECESSARY TO REDUCE THE LOAD WEIGHT TO SATISFY OTHER WEIGHT RESTRICTIONS IMPOSED ON THE MILVAN SYSTEM.

NOTE 4: BY SPECIAL AUTHORITY, IT MAY BE POSSIBLE TO MOVE HEAVIER LOADS ON SINGLE BOGJE CHASSIS WITHIN AN INSTALLATION.

NOTE 5: IT WILL BE NECESSARY TO REDUCE THE WEIGHT OF SOME LOADS TO BE MOVED BY ROTARY-WINGED AIRCRAFT, DEPENDING ON THE "LIFT" CAPABILITY OF THE SCHEDULED AIRCRAFT.

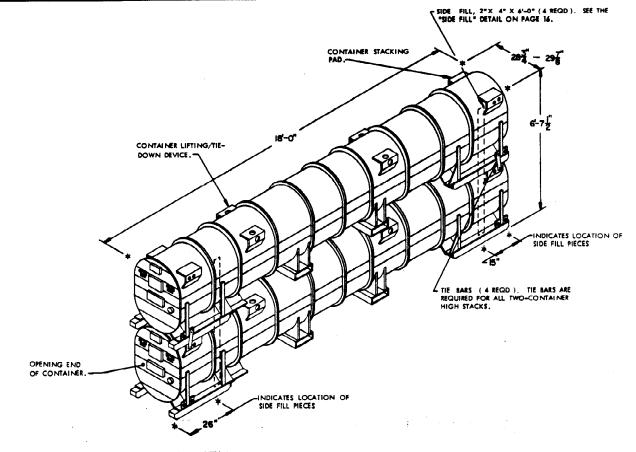
P. SPECIAL T/COFC NOTES:

- CAUTION: LOADED CONTAINERS MUST BE ON CHASSIS EQUIPPED WITH TWO BOGIE ASSEMBLIES WHEN BEING MOVED IN TOPC SERVICE, REGARDLESS OF LOAD WEIGHT WITHIN THE CONTAINERS.
- LOAD LIMITS OF T/COFG RAIL CARS MUST NOT BE EXCEEDED, NOR WILL A CAR BE LOADED SO THAT THE TRUCK UNDER ONE END OF THE CAR CARRIES MORE THAN ONE-HALF OF THE LOAD LIMIT FOR THAT CAR.
- 3. CHASSIS/CONTAINERS COUPLED INTO A 40-FOOT TRAILER CONFIGURATION MUST BE PLACED AT THE B-END OF A TOFC RAIL CAR. THE REAR END OF THE 40-FOOT UNIT WILL OVER-HANG THE END OF THE CAR IF IT IS PLACED AT THE A-END. TWENTY-FOOT AND 40-FOOT UNITS CAN BE LOADED ON THE SAME CAR.

REVISIONS

REVISION NO. 1, DATED JULY 1974, CONSISTS OF:

- I. ADJUSTING THE THICKNESS OF THE ANTI-CHAFING ASSEMBLIES.
- 2. UPDATING GENERAL NOTES AND SPECIAL NOTES.



STACK DETAIL

(A STACK OF M430 CONTAINERS IS SHOWN)

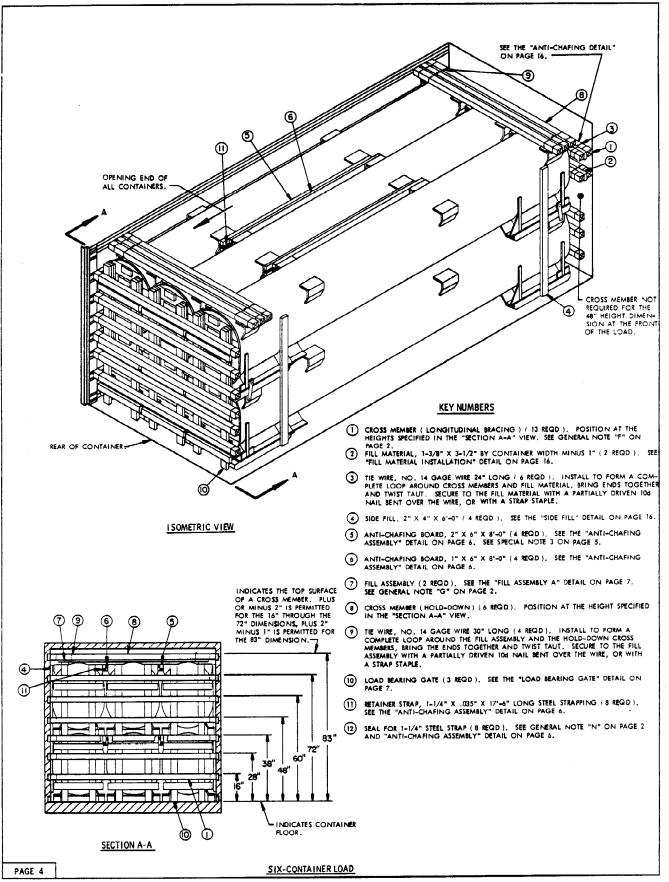
UNITIZING AND HANDLING PROCEDURAL GUIDANCE

- 1. STACKING CONTAINERS FOR UNITIZING.
 - A. THE UPPER CONTAINER SHOULD BE PLACED AS CLOSELY AS POSSIBLE IN VERTICAL ALIGNMENT WITH THE LOWER CONTAINER.
 - B. POSITION THE OPENING END OF THE UPPER CONTAINER ABOVE THE OPENING END OF THE LOWER CONTAINER.
- 2. APPLICATION OF CONTAINER TIE BARS.
 - A. TIE BARS ARE LOCATED ON THE SIDE OF THE CONTAINER.
 - B. INSTALL FOUR TIE BARS, TWO ON EACH SIDE, OF A TWO-CONTAINER HIGH STACK.
- 3. CONTAINER OR CONTAINER STACK HANDLING.
 - NOTES: (1) APPROVED MATERIALS HANDLING EQUIPMENT (MHE) IS SPECIFIED IN OTHER DOCUMENTS. MHE IS INTENDED TO MEAN EQUIPMENT SUCH AS FORKLIFT TRUCKS, CRANES, HAND TRUCKS, DOLLIES, ROLLER ASSEMBLIES, SLINGS AND SPREADER BARS.
 - (2) PRECAUTIONARY HANDLING TECHNIQUES NORMALLY EMPLOYED OR AS SPECIFIED FOR THE TYPE OF COMMODITY INVOLVED WILL BE OSSERVED.
 - A. ONLY APPROVED AND APPROPRIATELY SIZED MATERIALS HANDLING EQUIPMENT WILL BE USED FOR HANDLING THE DEPICTED CONTAINERS.
 - 8. IF HANDLING IS ACCOMPLISHED WITH A FORKLIFT TRUCK, THE CONTAINERS SHOULD BE HANDLED FROM A SIDE POSITION AS MUCH AS POSSIBLE. CARE MUST BE EXERCISED WHEN INSERTING FORKS UNDER A CONTAINER, TO PREVENT DAMAGE TO THE CONTAINER BY THE FORK TIMES OR THE FORKLIFT PACKAGE GUARD.
 - C. A CONTAINER OR A CONTAINER STACK SHOULD BE HANDLED FROM A SIDE POSITION. POSITION THE CONTAINER (S) WITH THE CLOSED END(S) PARTIALLY IN THE DOCUMAN AREA OF THE MILVAN CONTAINER, THEN A FORKLIFT TRUCK, WITH A BUFFER IOARD ACROSS THE FORK TIMES (4" X 4", ETC.), CAN LIFT THE LOWER CONTAINER OR STACK AND SLIDE THE CONTAINER OR STACK INTO PROPER LOCATION. CONTAINER(S) MAY HAVE TO BE PRIED INTO FINAL LOCATION WITH A PRY BAR.

(CONTINUED AT RIGHT)

(UNITIZING AND HANDLING PROCEDURAL GUIDANCE CONTINUED)

- D. THE DUNNAGE AND BRACING COMPONENTS AT THE FRONT AND ALONG THE SIDE WALLS OF THE MILVAN CONTAINER MUST BE PRE-POSITIONED BEFORE THE CONTAINER STACKS ARE LOADED INTO THE MILVAN CONTAINER. THE CONTAINER STACKS ADJACENT TO THE MILVAN CONTAINER SIDE WALLS MUST BE POSITIONED INTO THE MILVAN CONTAINER FIRST. AFTER THE HOLD-DOWN ASSEMBLY, FILL MATERIAL AND THE ANTI-CHAFING ASSEMBLIES HAVE BEEN INSTALLED, THE CENTER CONTAINER STACK CAN BE SLID INTO POSITION AGAINST THE FORWARD CROSS MEMBER, UNDER THE FILL ASSEMBLIES AND THE CROSS MEMBERS.
- E. ACCESS TO THE FRONT OF A MILVAN CONTAINER IN A ONE-CON-TAINER HIGH LOAD CAN BE ACCOMPLISHED BY WALKING ON TOP OF THE MISSILE CONTAINERS.



BILL OF MATERIAL WMBER LINEAR FEET SOARD FEET 1" X 4" 1" X 6" * 1-3/8" X 3-1/2" 2" X 4" 2" X 6" 32 16 10 15 110 73 32 32 POUNDS NAILS NO. MEQD 6d (2") 10d (3") 120 156 2-1/2 WIRE, NO. 14 GAGE --- 34' REQD -1/2 LB ANTI-CHAPING MATERIAL ----- AS REQD STEEL STRAPPING, 1-1/4" ----- 140' REQD SEAL FOR 1-1/4F STRAPPING --- 4 REGD 20 LBS CROSS MEMBER -19 REGO

*SEE GENERAL NOTE "H" ON PAGE 2.

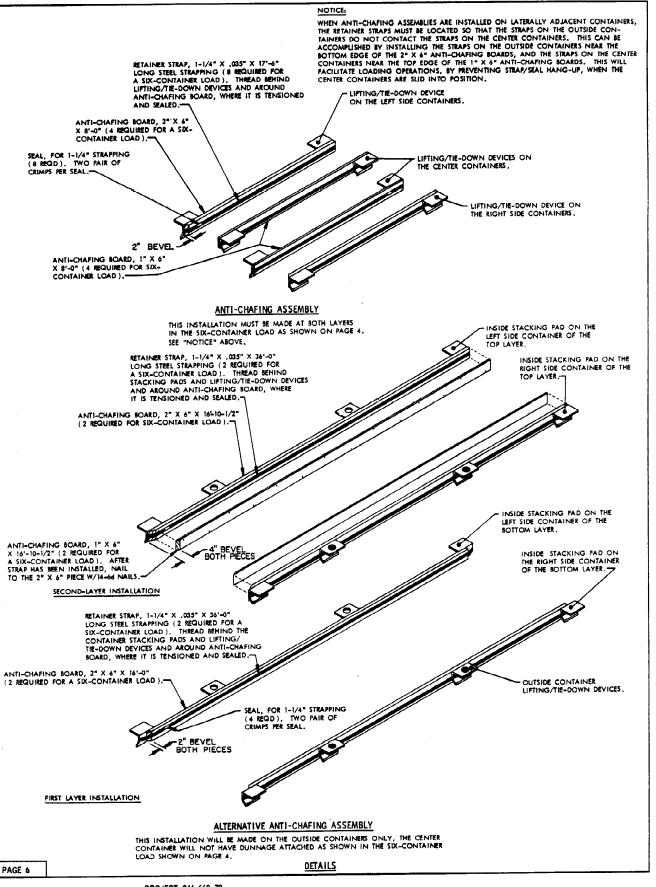
SPECIAL NOTES:

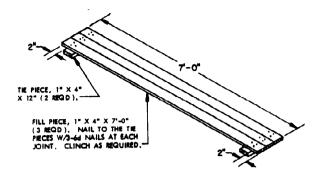
- THE LOAD AS SHOWN ON PAGE 4 DEPICTS A SIX-CONTAINER LOAD IN A MILYAN CONTAINER.
- 2. PRICE TO LOADING THE MISSILE CONTAINERS INTO THE MILVAN CONTAINER, SEE THE "UNITIZATION AND HANDLING PROCEDURAL GUIDANCE" ON PAGE 3 FOR HANDLING THE MISSILE CONTAINER STACKS.
- 3. THE THICKNESS OF THE ANTI-CHAFING ASSEMBLIES, AS DEPICTED RETWEEN THE MISSILE CONTAINER LIFTING/TIE-DOWN DEVICES, MUST BE ADJUSTED AS REQUIRED TO COMPLY WITH THE DIMENSIONAL VARIANCE OF THE CONTAINER SKIDS, SO AS TO NOT ALLOW MORE THAN ONE AND ONE-HALF INCH (1-1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD. ADJUSTMENTS CAN BE MADE BY USING A DIFFREENT THICKNESS ANTI-CHAFING BOARD OR BY LAMINATING ADDITIONAL PRICES ON ONE OR BOTH SETS OF THE ANTI-CHAFING ASSEMBLY. SEE SPECIAL NOTE 4.
- 4. IF DESIRED, THE "ALTERNATIVE ANTI-CHAFING ASSEMBLY" DETAIL SHOWN ON PAGE 6 MAY BE USED IN LIEU OF THE "ANTI-CHAFING ASSEMBLY", ALSO DEPICTED ON PAGE 6. EASE OF HANDLING, LOADING, AND UNICADING THE MISSILE CONTAINERS MUST BE CONSIDERED WHEN SELECTING A PROCEDURE.

LOAD AS SHOWN

ITEM	QUANTITY	WEIG	HT (APPROX)
MI30 OR		100	y
CONTAIN	R 6	20,070	LBS
	*		
			
T	OTAL GROSS WEIGHT	26,169	LBS

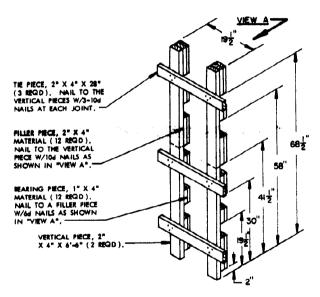
SIX-CONTAINER LOAD





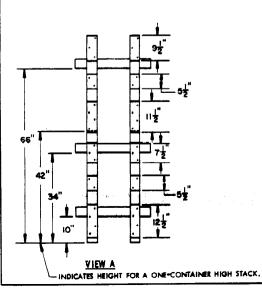
FILL ASSEMBLY A

SEE GENERAL NOTE "G" ON PAGE 2.

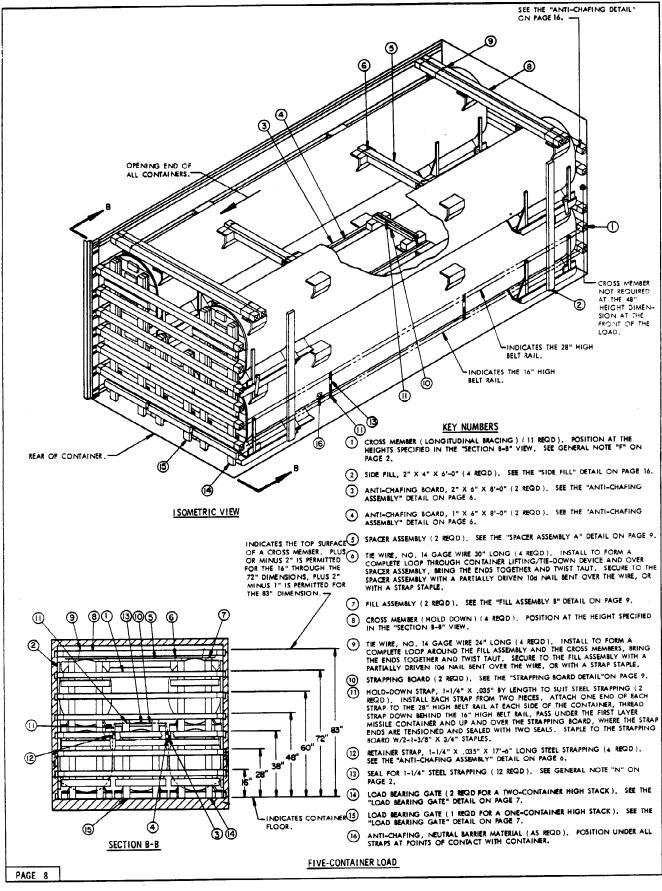


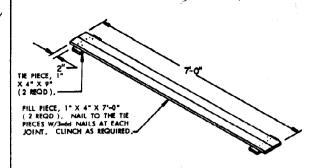
LOAD BEARING GATE

TO CONFORM WITH THE CRITERIA OF GENERAL NOTE "F" ON FAGE 2, ADDITIONAL VERTICAL PRICES OF A THICKNESS TO SUIT MAY BE ADDED TO THE VERTICAL PRICES, PRIOR TO INSTALLING THE TRE PRICES. LAMINATE THE ADDITIONAL PRICES WITH SEVEN (7) PROPERLY SIZED NAILS EACH.

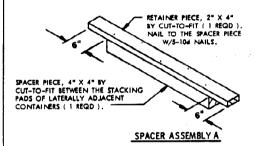


DETAILS





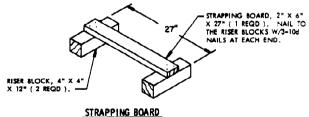
FILL ASSEMBLY B SEE GENERAL NOTE "G" ON PAGE 2.



	BILL OF MATERIAL			
LUMBER	LINEAR FEET	BOARD FEET		
1" X 4"	47	16		
1" X 6"	16	1 8		
2" X 4"	95	64		
2" X 6"	21	21		
4" X 4"	10	14		
NAILS	AILS NO. REGD PO			
ód (2") 10d (3")	94 182	3 1/2		
SEAL FOR 1-1/4" STI WINE, NO. 14 GAG STRAP STAPLE. 1-3/8	-1/4" X .035" 150" MAPPING 12 E 30" " X 3/4" 4 ERIAL AS	REGD NIL REGD NIL		
CROSS MEMBERS		14 000		

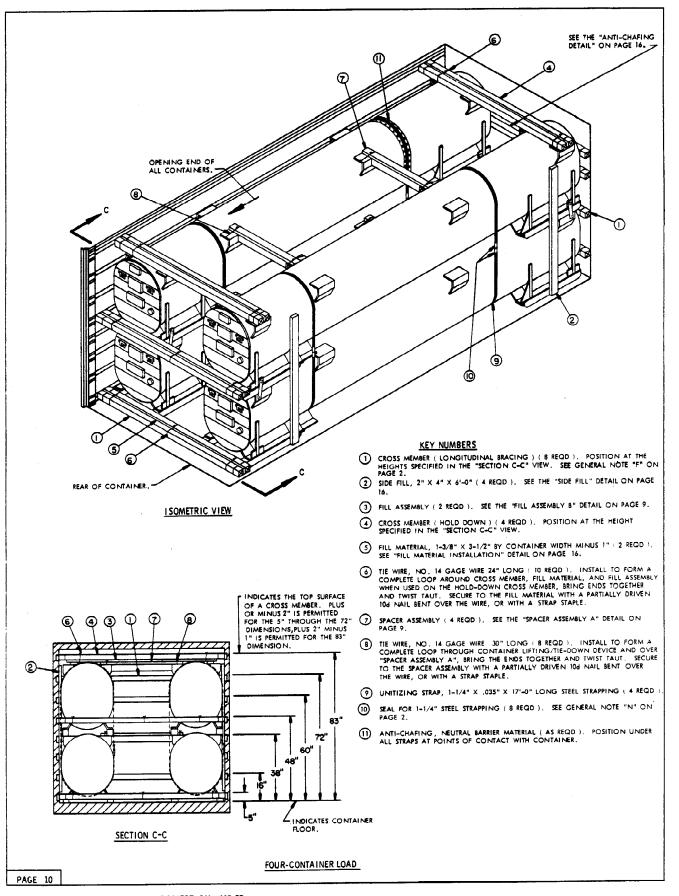
SPECIAL NOTES:

- 1. THE LOAD AS SHOWN ON PAGE 8 DEPICTS A 5-CONTAINER LOAD IN A MILVAN CONTAINER,
- PRIOR TO LOADING M430 OR M611 CONTAINERS INTO THE MILVAN CONTAINER SEE THE "UNITIZATION AND HANDLING PROCEDURES" ON PAGE 3 FOR HANDLING THE CONTAINER STACK.



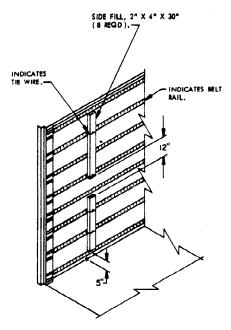
	LOAD AS SHOWN	
ITEM	QUANTITY	WEIGHT (APPROX)
M430 OR COMEAIN DÜNINAGE CONFAIN	3	16,725 LBS
T	OTAL GROSS WEIGHT	22,741 LBS

FIVE-CONTAINER LOAD



SPECIAL NOTES:

- 1. THE LOAD AS SHOWN ON PAGE 10 DEPICTS A 4-CONTAINER LOAD IN A MILYAN CONTAINER.
- 2. PRIOR TO LOADING MISS OR MISS CONTAINES INTO THE MILVAN CONTAINER, SEE THE "UNITIZATION AND HANDLING PROCEDURES" ON MISS 3 FOR HANDLING: THE CONTAINER STACK,



ALTERNATIVE SIDE FILL INSTALLATION

THE DETAIL ABOVE DEPICTS AN ALTERNATIVE METHOD OF INSTALLING THE SIDE FILL DUNNAGE. SEE THE "SIDE FILL" DETAIL ON PAGE 16 FOR ADDITIONAL GUIDANCE.

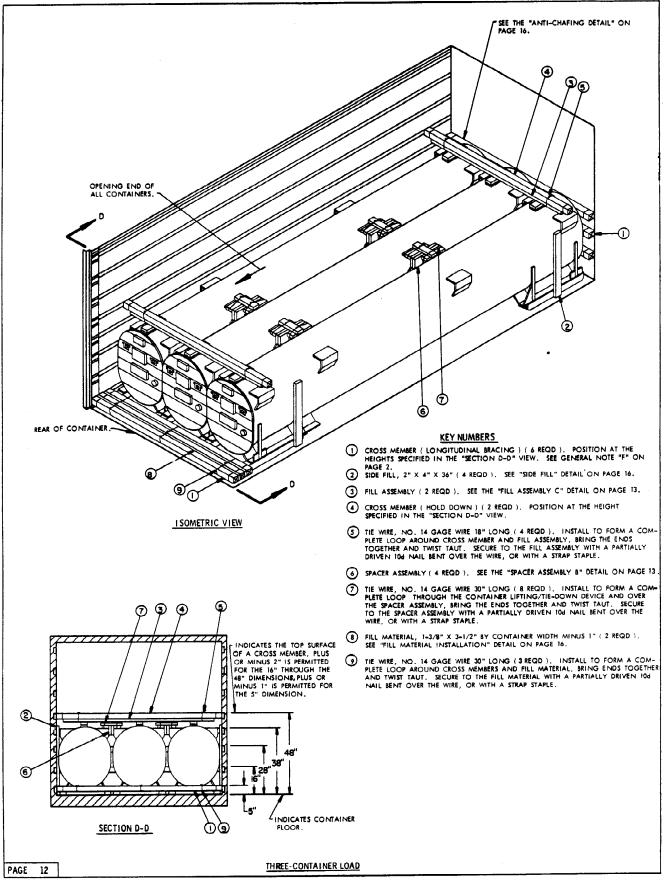
1" X 4" 1-3/8" X 3-1/2"	31	10
	15	10
2" X 4" 4" X 4"	40 12	26 16
NAILS	NO. REGID	POUNDS
6d (2") 10d (3")	24 42	1/4 1/2

\$ SEE GENERAL NOTE "H" ON PAGE 2.

		LOAD AS SHOWN		
ITEM	2	QUANTITY	WEIGHT (APPROX)	
M430 OR M411 COR	41ATP	IER 4	13.380 LBS	
CONTAINE			5,700 LBS	

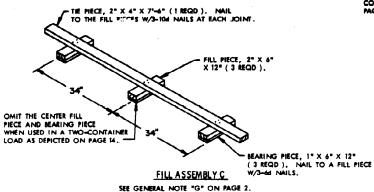
TOTAL GROSS WEIGHT---- 19,247 LBS

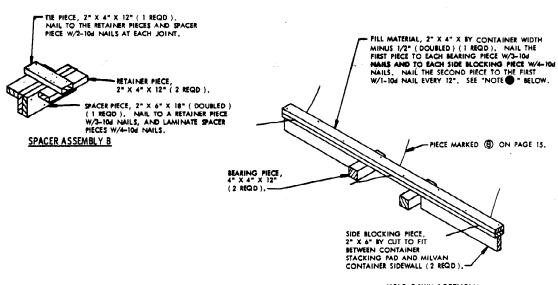
FOUR-CONTAINER LOAD



SPECIAL NOTES:

- 1. THE LOAD AS SHOWN ON PAGE 12 DEPICTS A 3-CONTAINER LOAD IN A MILVAN CONTAINER.
- 2. PRIOR TO LOADING M480 OR MATE CONTAINERS INTO THE MILYAN CONTAINER, SEE THE "UNITIZATION AND HANDLING PROCEDURES" ON PAGE 3 FOR HANDLING THE CONTAINERS.





	BILL OF MATERIAL	
LUMBER	LINEAR FEET	BOARD FEET
1" X 6" 1-3/8" X 3-1/2" 2" X 4" 2" X 6"	6 15 39 18	3 10 24 18
NAILS	NO. REQD	POUNDS
6d (2") 10d (3")	18 113	NL 1-1/2
/IRE, NO. 14 GAGE-	RIALAS REQD	LB
ROSS MEMBER		REGO

SEE GENERAL NOTE "H" ON PAGE 2.

HOLD-DOWN ASSEMBLY

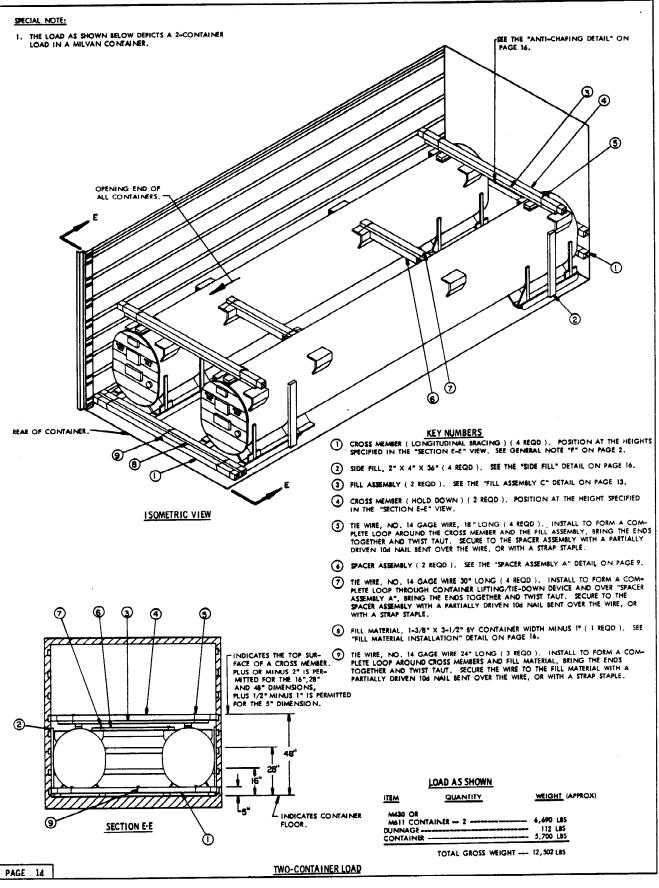
NOTE :

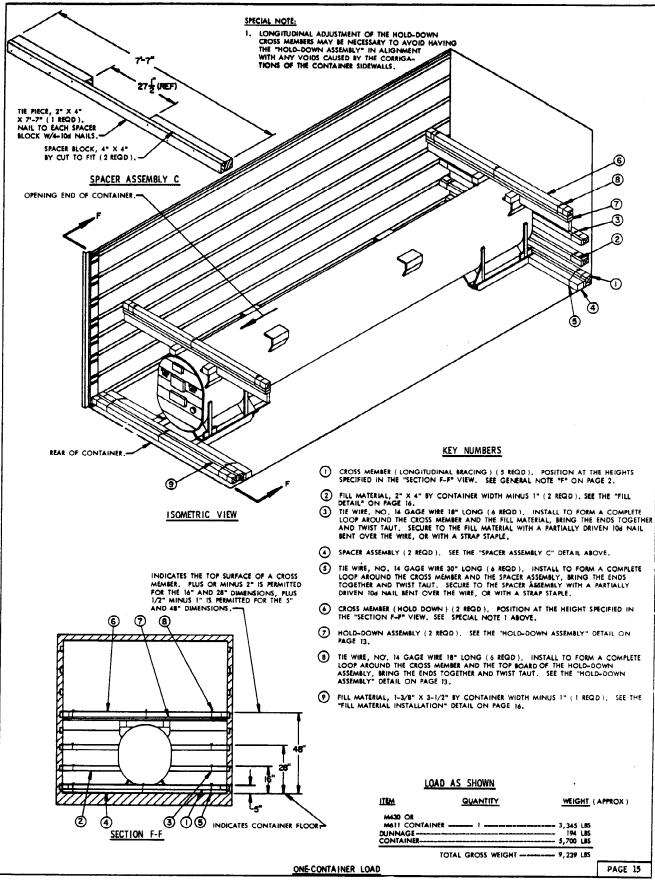
THE WHIRE, PIECE MARKED (1) ON PAGE 15, SHOULD BE INSTALLED BETWEEN THE DOUBLED FILL MATERIAL DURING FABRICATION OF THE ASSEMBLY. THE THICKNESS OF THE TOP PIECE OF THE FILL MATERIAL AS SHOWN, MAY BE INCREASED OR DECERAGED AS BEQUIRED, TO COMPENSATE FOR A DIFFERENT HEIGHT BELT RAIL. THE HOLD-DOWN ASSEMBLY IS TO BE ADJUSTED AS REQUIRED TO ACHIEVE PROPER HOLD-DOWN BLOCKING. THE BLOCKING IS TO BE INSTALLED SO AS TO NOT ALLOW MORE THAN 1/2" (ONE-MALF INCH) VERTICAL VOID BETWEEN THE MISSILE CONTAINER AND THE CROSS MEMBER.

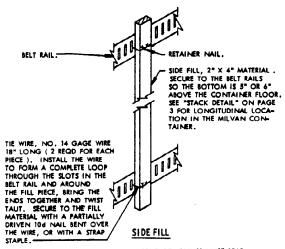
LOAD AS SHOWN

ITE	4 .	QUANTITY	WEI	GHT (APPROX)
M		AINER 3		25 1 25	
		TOTAL GROSS WE	IGHT 15,81	DO LBS	

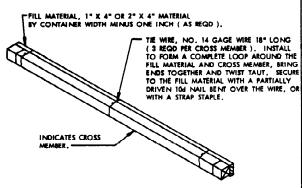
THREE-CONTAINER LOAD





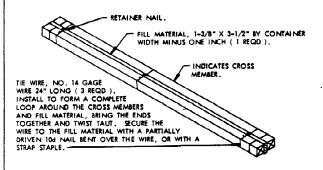


THE FLAT SURFACE OF THE MISSILE CONTAINER MUST BEAR AGAINST THE SIDE FILL MATERIAL. IF THE SKIDS CONTACT THE SIDE FILM MATERIAL BEFORE THE FLAT SURFACE OF THE CONTAINER, SUCH AS THE CASE WILL BE WITH THE MOIT CONTAINER, THE METHOD SPECIFIED BY THE "ALTERNATIVE SIDE FILL INSTITUTION" DETAIL DEPICTED ON PAGE 11 MUST BE USED.

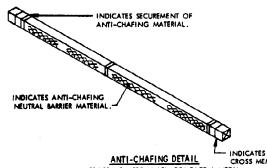


FILL DETAIL

THIS DETAIL DEPICTS THE METHOD OF POSITIONING FILL MATERIAL BETWEEN THE CROSS MEMBER AND LADING WHEN THE VOID BETWEEN THE TWO IS GREATER THAN ONE INCH (1") FOR LONGITUDINAL BRACING.



FILL MATERIAL INSTALLATION
SEE GENERAL NOTE "H" ON PAGE 2.



ANTI-CHAFING DETAIL

CROSS MEMBER:

ALL CROSS MEMBERS WHICH CONTACT A METAL

PART OF A MISSILE CONTAINER, MUST BE COVERED

WITH ANTI-CHAFING MATERIAL, SUCH AS TAPE, PAPER,

CARDBOARD, OR CLOTH, THIS MATERIAL MUST BE

SECURED TO THE CROSS MEMBER WITH TAPE, WIRE, OR

SOME SECUREMENT, SO AS TO PREVENT DISLOBGEMENT OF

THE MATERIAL DURING LOADING AND SHIPPING

OPERATIONS.

DETAILS