APPROVED BY
BUREAU OF EXPLOSIVES

9 A Heshman

DATE 10/27/92

STINGER

LOADING AND BRACING WITH WOODEN DUNNAGE IN END OPENING ISO CONTAINERS OF THE COMPLETE ROUND PACKED IN WIREBOUND AND/OR ALUMINUM CONTAINERS (UNITIZED AND UNUNITIZED OR PALLETIZED AND UNPALLETIZED)

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● 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 CARRIERS. SEE GENERAL NOTE "P" ON PAGE 2.

U.S. ARMY MATERI	EL C	OMM	AND DR	AWING					
APPROVED, U.S. ARMY MISSILE COMMAND	DRAFT	SMAN	TECHNICIAN	ENGINEER					
	***************************************	***************************************	G. GUAY	G. WILLIS					
Tall w Honea									
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND	VALIDA ENGINEI DIVIS	ERING	TRANSPORTATION ENGINEERING DIVISION	LOGISTICS ENGINEERING OFFICE					
William F Ernst		Am !	W. French	e WFErnst					
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	MAY 1993								
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	19	48	8188	GM15SR2					

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GENERAL NOTES

- THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- THE SPECIFIED OUTLOADING PROCEDURES ARE APPLICABLE TO LOADS OF THE STINGER GUIDED MISSILE PACKED IN WIREBOUND CONTAINER AND/OR ALUMINUM CONTAINER. SUBSEQUENT CONTAINER AND/OR ALUMINUM CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS WIREBOUND CONTAINER AND/OR ALUMINUM CONTAINER WITH CONTENTS. ALSO, SUBSEQUENT REFERENCE TO SKIDDED UNIT MEANS THE SKIDDED UNIT OF NINE (9) WIREBOUND CONTAINERS WITH CONTENTS AND SUBSEQUENT REFERENCE TO PALLETIZED UNIT MEANS THE PALLETIZED UNIT OF NINE (9) ALUMINUM CONTAINERS WITH CONTENTS. CAUTION: REGARDLESS OF THE GUANTITY OF CONTAINERS OR PALLET UNITS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF THE END OPENING ISO CONTAINER MUST NOT BE EXCEEDED.
- FOR DETAILS OF THE WIREBOUND CONTAINER, SEE US ARMY MISSILE COMMAND DRAWING NO. 11509503 AND "WIREBOUND CONTAINER" DETAIL ON PAGE 3.

CONTAINER DIMENSIONS - - - 67-1/4" LONG X 13-1/8" WIDE X 10-1/2" HIGH (APPROX). GROSS WEIGHT - - - - - - 77 POUNDS (APPROX). CUBE - - - - - - - - 5.4 CUBIC FEET.

FOR DETAILS OF THE ALUMINUM CONTAINER, SEE US ARMY ۵. MISSILE COMMAND DRAWING NO. 11486952 AND "ALUMINUM CONTAINER" DETAIL ON PAGE 4.

CONTAINER DIMENSIONS - - - 65-9/16" LONG X 13" WIDE X 13-3/8" HIGH (APPROX).

GROSS WEIGHT - - - - - 86 POUNDS (APPROX).

CUBE - - - - - - - 6.6 CUBIC FEET.

FOR DETAILS OF THE UNITIZED WIREBOUND CONTAINERS, SEE US ARMY DARCOM DRAWING NO. 19-48-5239-GM20SR1 AND "SKIDDED UNIT" DETAIL ON PAGE 3.

SKIDDED UNIT DIMENSIONS - 39-3/8" LONG X 67-1/4" WIDE X 36-1/2" HIGH (APPROX). GROSS WEIGHT - - - - - 749 POUNDS (APPROX).
CUBE - - - - - - 55.9 CUBIC FEET.

FOR DETAILS OF THE PALLETIZED ALUMINUM CONTAINERS, SEE US ARMY DARCOM DRAWING NO. 19-48-5239-GM20SRI AND "PALLETIZED UNIT" DETAIL ON PAGE 4.

PALLETIZED UNIT DIMENSIONS - - - - - - 42" LONG X 67-1/16" WIDE X 45-5/8" HIGH (APPROX).

GROSS WEIGHT - - - - - 952 POUNDS (APPROX). CUBE - - - - - - 73.8 CUBIC FEET.

- THESE PROCEDURES CAN ALSO BE UTILIZED FOR THE SHIPMENT OF THE CONTAINERS WHEN THEY ARE LOADED WITH AN ITEM OTHER THAN THE SPECIFIED GUIDED MISSILE, OR WHEN THEY ARE EMPTY
- THE LOAD AS SHOWN IS BASED ON A 4,700 POUND 20' LONG BY 8' WIDE BY 8'-6" HIGH END OPENING ISO CONTAINER WITH INSIDE DIMENSIONS OF 19'-4" LONG BY 92" WIDE BY 95" HIGH. THE LOAD IS DESIGNED FOR TRAILER/CONTAINER-ON-FLAT-CAR (T/COFC) SHIPMENT, HOWEVER, THE LOAD AS DESIGNED CAN ALSO BE MOVED BY OTHER SURFACE MODES OF TRANSPORT. NOTICE: OTHER CONTAINERS OF THE SAME DESIGNED CAN BE USED. OTHER CONTAINERS OF THE SAME DESIGN
- WHEN LOADING MISSILE CONTAINERS OR PALLET UNITS, THEY ARE TO BE POSITIONED SO AS TO ACHIEVE A TIGHT LOAD (TIGHT AGAINST THE CONTAINER SIDE WALLS AND FORWARD/REAR BLOCKING ASSEMBLIES)

(CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

LUMBER - - - - - : SEE TM 743-200-1 (DUNNAGE LUMBER) AND FED SPEC MM-L-751.

NAILS - - - - - : FED SPEC FF-N-105; COMMON.

PLYWOOD ----: COMMERCIAL ITEM DESCRIPTION
A-A-55057, TYPE A, CONSTRUCTION AND
INDUSTRIAL PLYWOOD, INTERIOR WITH
EXTERIOR GLUE, GRADE C-D. IF
SPECIFIED GRADE IS NOT AVAILABLE, A
BETTER INTERIOR OR AN EXTERIOR GRADE
MAY BE SUBSTITUTED.

WIRE, CARBON STEEL -: ASTM AB53; ANNEALED AT FINISH, BLACK OXIDE FINISH, .0800" DIA, GRADE 1006 OR BETTER.

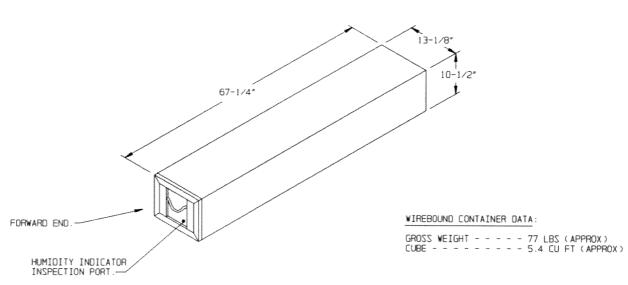
PAGE 2

(GENERAL NOTES CONTINUED)

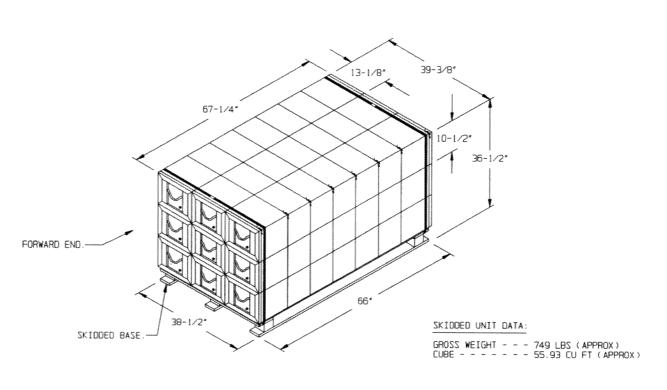
- K. DUNNAGE LUMBER SPECIFIED IS OF NOMINAL SIZE. FOR EXAMPLE, 2" X 4" MATERIAL IS ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" BY
- L. A STAGGERED NAILING PATTERN WILL BE USED WHENEVER POSSIBLE WHEN NAILS ARE DRIVEN INTO JOINTS OF DUNNAGE ASSEMBLIES OR WHEN LAMINATING DUNNAGE. ADDITIONALLY, THE NAILING PATTERN FOR AN UPPER PIECE OF LAMINATED DUNNAGE 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. IN SOME CONTAINERS, SUCH AS SOME ALL STEEL CONTAINERS, THERE IS A SLOT AT THE CORNERS OF THE FORWARD WALL. A PIECE OF DUNNAGE MATERIAL MUST BE LAMINATED TO THE BUFFER PIECES OF THE FORWARD STRUT ASSEMBLIES TO PROVIDE A FLAT SURFACE FOR THE 2" X 4" BUFFER PIECES. A PIECE OF 2" X 4", 2" X 3", OR A SPECIAL WIDTH PIECE CUT-TO-FIT CAN BE USED. THIS FILL PIECE WILL BE NAILED WITH ONE APPROPRIATELY SIZED NAIL EVERY 12". THIS PIECE IS NOT BEDITIED WHEN THE ENDWALL OF THE CONTAINER IS SMOOTH AND REQUIRED WHEN THE ENDWALL OF THE CONTAINER IS SMOOTH AND FLAT
- N. CAUTION: DO NOT NAIL DUNNAGE MATERIAL TO THE CONTAINER WALLS OR FLOOR. ALL NAILING WILL BE WITHIN THE DUNNAGE.
- O. PORTIONS OF THE CONTAINER DEPICTED WITHIN THIS DRAWING, SUCH AS ONE OF SIDEWALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- P. REQUIREMENTS CITED WITHIN THE BUREAU OF EXPLOSIVES PAMPHLET 6C APPLY WHEN THE SHIPMENT MOVES BY TRAILER/ CONTAINER-ON-FLATCAR (T/COFC). SPECIAL T/COFC NOTES FOLLOW:
 - A LOADED CONTAINER MUST BE ON A CHASSIS EQUIPPED WITH TWO BOGIE ASSEMBLIES WHEN BEING MOVED IN TOFC SERVICE.
 - THE LOAD LIMIT OF A T/COFC RAILCAR 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.
- O. DURING INTRASTATE AND/OR INTERSTATE MOVES BY MOTOR CARRIER, A PROPER CHASSIS OR MODIFIED FLATBED TRAILER MUST BE USED TO PRECLUDE VIOLATION OF ONE OR MORE "WEIGHT LAWS" APPLICABLE TO THE STATE OR STATES INVOLVED.
- R. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EDUALS 25.4MM AND ONE POUND EQUALS 0.454KG.

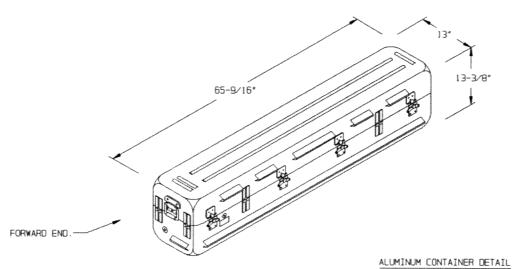
WIREBOUND CONTAINER AND UNITIZATION DETAILS

PAGE 3



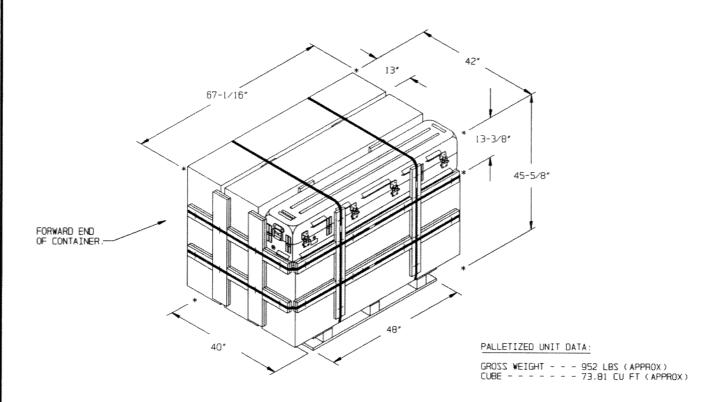
WIREBOUND CONTAINER





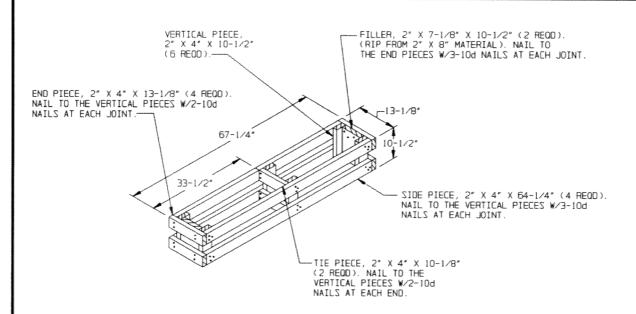
GROSS WEIGHT - - - 86 LBS (APPROX) CUBE - - - - - - 6.6 CU FT (APPROX)

ALUMINUM CONTAINER



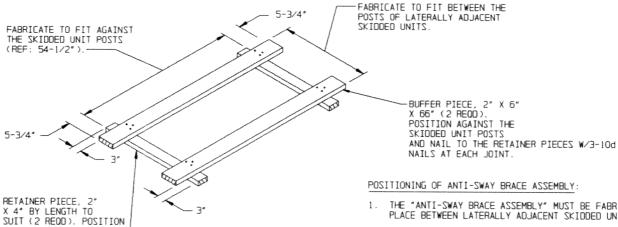
PALLETIZED UNIT OF NINE (9) GUIDED MISSILES PACKED ONE (1) PER ALUMINUM CONTAINER

ALUMINUM CONTAINER AND PALLETIZATION DETAILS



FILLER ASSEMBLY A

THE FILLER ASSEMBLY SHOWN ABOVE IS TO BE USED WITHIN LOADS TO TAKE THE PLACE OF AN OMITTED WIREBOUND CONTAINER. IT MUST BE USED IN THE TOP LAYER ONLY.



ANTI-SWAY BRACE ASSEMBLY

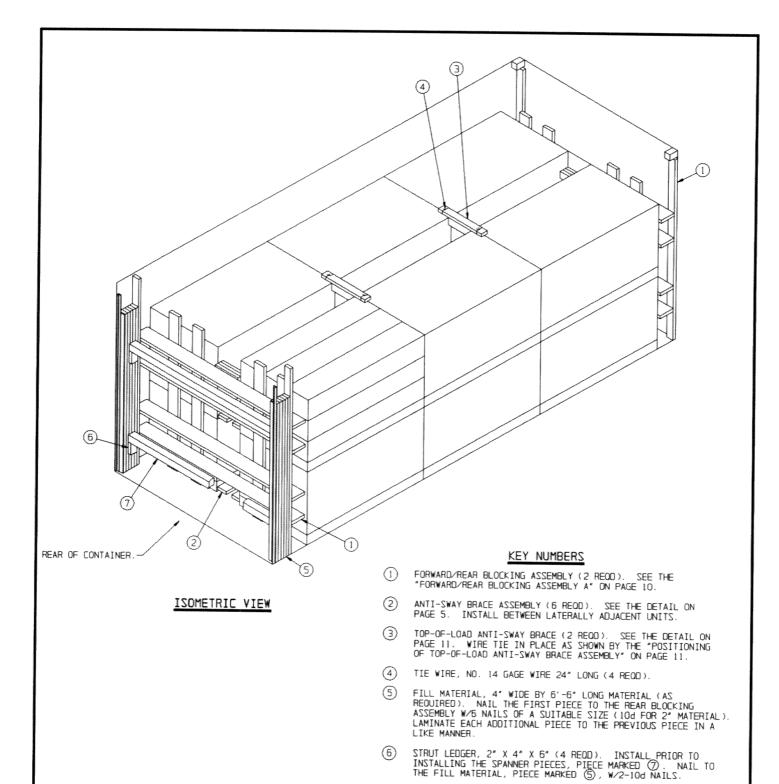
TO EXTEND UNDER THE LATERALLY ADJACENT

SKIDDED UNITS.

THIS ANTI-SWAY BRACE ASSEMBLY IS DESIGNED FOR USE BETWEEN 1-TIER OR 2-TIER LOADS OF UNITIZED WIREBOUND CONTAINERS (SKIDDED UNITS).
SEE THE "POSITIONING OF ANTI-SWAY BRACE ASSEMBLY A" ON THIS PAGE.

- 1. THE "ANTI-SWAY BRACE ASSEMBLY" MUST BE FABRICATED IN PLACE BETWEEN LATERALLY ADJACENT SKIDDED UNITS
 - POSITION THE FIRST RETAINER PIECE JUST BEHIND THE NEAR POSTS ON LATERALLY ADJACENT SKIDDED UNITS, SPANNING THE VOID BETWEEN THEM AND RESTING ON THE BOTTOM BOARDS OF THE SKIDDED UNITS
 - POSITION A 2" X 4" X 66" BUFFER PIECE 6" FROM THE END OF THE FIRST RETAINER PIECE AND EXTENDING 5-3/4' BEYOND THE EDGE OF THE FIRST RETAINER PIECE. NAIL THE BUFFER PIECE TO THE RETAINER PIECE W/3-10d
 - C. KEEPING THE FIRST BUFFER PIECE AGAINST THE SIDE OF A SKIDDED UNIT, POSITION THE SECOND BUFFER PIECE AGAINST THE SIDE OF THE LATERALLY ADJACENT SKIDDED UNIT AND EXTENDING 5-3/4" BEYOND THE EDGE OF THE FIRST RETAINER PIECE. NAIL THE BUFFER PIECE TO THE RETAINER PIECE W/3-10d NAILS.
 - D. HOLD THE END OF BOTH BUFFER PIECES AND PUSH THE PARTIAL ASSEMBLY FORWARD UNTIL THE FIRST RETAINER PIECE CONTACTS THE SKIDDED UNIT POSTS ON THE FAR
 - E. POSITION THE SECOND RETAINER PIECE JUST BEHIND AND CONTACTING THE NEAR POSTS ON LATERALLY ADJACENT SKIDDED UNITS.
 - F. KEEP THE TWO BUFFER PIECES AGAINST THE SIDES OF THE LATERALLY ADJACENT SKIDDED UNITS AND NAIL EACH ONE TO THE SECOND RETAINER PIECE W/3-10d NAILS.

DETAILS



UNITIZED WIREBOUND CONTAINERS (FULL LOAD)

SPANNER PIECE. 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REOD). INSTALL THE UPPER SPANNER PIECE SUCH THAT THE TOP EDGE OF THE SPANNER PIECE IS AT THE SAME HEIGHT AS THE TOP EDGE OF THE BEAM IN THE REAR BLOCKING ASSEMBLY, PIECE MARKED (). INSTALL THE LOWER SPANNER PIECE SUCH THAT THE BOTTOM EDGE IS AT THE SAME HEIGHT AS THE BOTTOM EDGE OF THE LOWEST BEAM IN THE REAR BLOCKING ASSEMBLY. TOENAIL TO THE FILL MATERIAL, PIECE MARKED (§). W/2-12d NAILS AT EACH END. NOTE: PIECES MARKED (§) AND (?) ARE ONLY REQUIRED WHEN USING 6" OR MORE OF SOLID FILL MATERIAL.

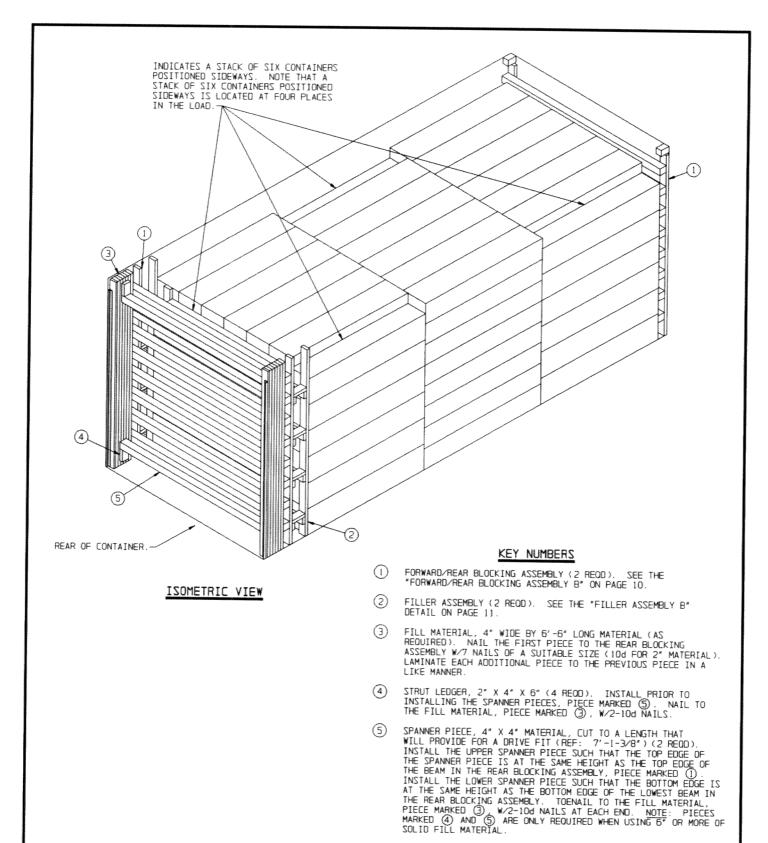
- PREFABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES "A", SIX ANTI-SWAY BRACE ASSEMBLIES AND TWO TOP-OF-LOAD ANTI-SWAY BRACES.
- 2. INSTALL THE FORWARD BLOCKING ASSEMBLY.
- 3. LOAD FOUR PALLET UNITS AND INSTALL TWO ANTI-SWAY BRACE ASSEMBLIES (THESE ASSEMBLIES MUST BE FABRICATED IN PLACE, BETWEEN THE PALLET UNITS).
- LOAD FOUR PALLET UNITS, INSTALL ONE TOP-OF-LOAD ANTI-SWAY BRACE AND INSTALL TWO ANTI-SWAY BRACE ASSEMBLIES.
- 5. REPEAT STEP 4.
- 6. INSTALL THE REAR BLOCKING ASSEMBLY.
- INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
- B. INSTALL THE FOUR STRUT LEDGERS AND TWO SPANNER PIECES.

BILL OF MATERIAL											
LUMBER	LINEAR FEET	BOARD FEET									
2" X 4" 2" X 6" 2" X 8" 4" X 4"	170 66 61 14	113 66 81 19									
NAILS	NO. REOD	POUNDS									
10d (3°) 12d (3-1/4°)	276 8	4-1/4 1/4									
WIRE, NO. 14 GAGE 8' REOD 1/4 LB											

LOAD AS SHOWN

ITEM	1							VT)						WEIGHT	(APF	PROX)
PALLET UNIT	Т	_	***					12				 		8,988	LB2	
DUNNAGE -	***	-		-000	***	***	-		***		-	 -	-	563	LB2	
CONTAINER	***	•••	•••		•	***	-	***	-	-		 -		4,700	LB2	
	ron	AL	þ	ÆΙ	(G)	4T	~	-			-	 		14,251	LB2	(APPROX)

UNITIZED WIREBOUND CONTAINERS (FULL LOAD)



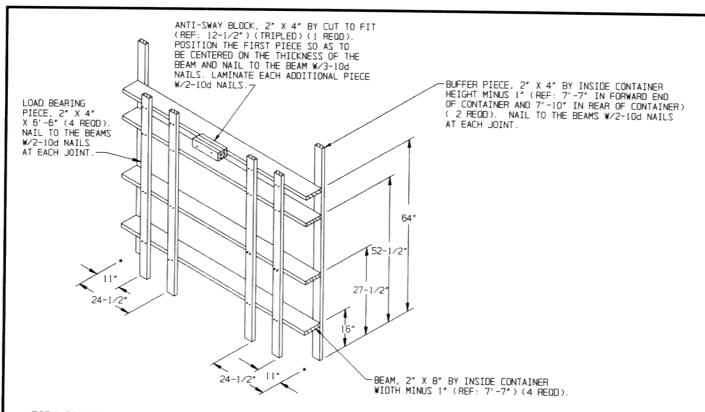
- PREFABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES "B" AND TWO FILLER ASSEMBLIES "B".
- 2. INSTALL THE FORWARD BLOCKING ASSEMBLY.
- 3. LOAD ONE HUNDRED SIXTY-TWO WIREBOUND CONTAINERS.
- 4. LOAD REMAINING SIX WIREBOUND CONTAINERS AND INSTALL TWO FILLER ASSEMBLIES.
- 5. INSTALL THE REAR BLOCKING ASSEMBLY.
- INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
- 7. INSTALL THE FOUR STRUT LEDGERS AND TWO SPANNER PIECES.

8	BILL OF MATERIAL												
LUMBER	LINEAR FEET	BOARD FEET											
2" X 4" 4" X 4"	182 136	121 181											
NAILS	NO. REOD	20NU09											
10d (3*) 12d (3-1/4*)	266 8	4 1/4											

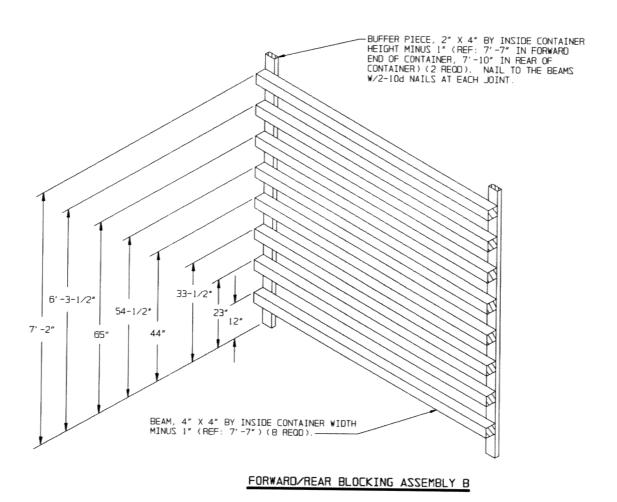
LOAD AS SHOWN

ITEM	TEM							T.	T	Ý.					WEIGHT	CAPE	PROX)
CONTAINER	-	_	***		-		16	8		-	_	_	-	_	12,936	LB2	
DUNNAGE -		-	***	-	-90		-	-		-			-	***	608		
CONTAINER				***	-	-		-		***	***		-	-	4,700	LB2	
	TO:	TAI		VF.	IG	4T		_		_	_		_	_	18.244	28.1	CAPPRO

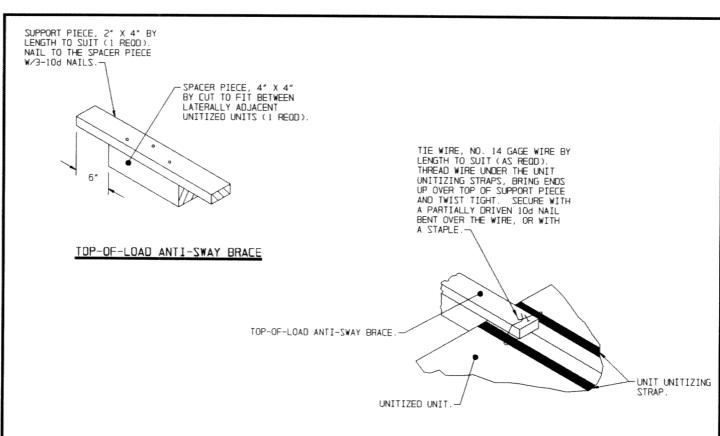
UNUNITIZED WIREBOUND CONTAINERS (FULL LOAD)



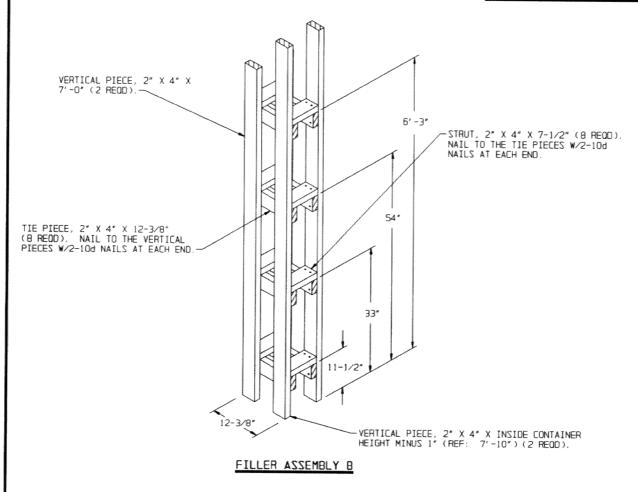
FORWARD/REAR BLOCKING ASSEMBLY A



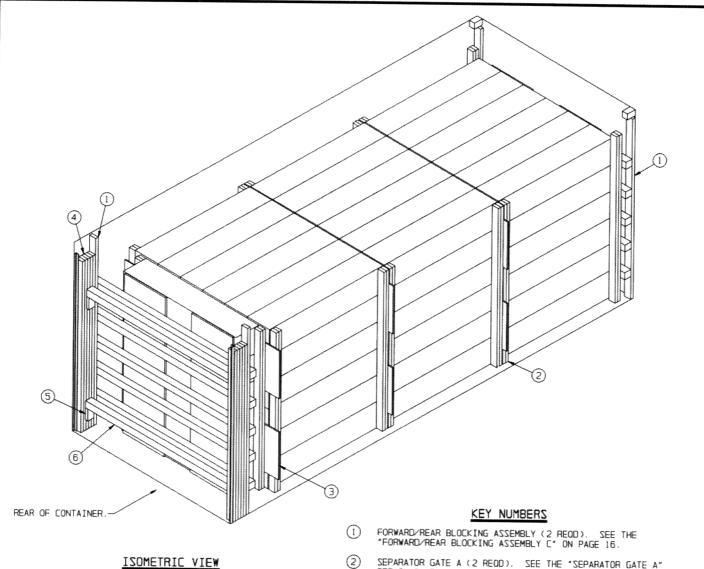
DETAILS



POSITIONING OF TOP-OF-LOAD ANTI-SWAY BRACE



DETAILS



- SEPARATOR GATE A (2 REOD). SEE THE "SEPARATOR GATE A" DETAIL ON PAGE 17.
- (3) SEPARATOR GATE B (1 REQD). SEE THE "SEPARATOR GATE B" DETAIL ON PAGE 17
- FILL MATERIAL, 4" WIDE BY 6'-6" LONG MATERIAL (AS REDUIRED). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/7 NAILS OF A SUITABLE SIZE (10d FOR 2" MATERIAL). LAMINATE EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A (4) SIMILAR MANNER.
- STRUT LEDGER, 2" X 4" X 6" (4 REOD). INSTALL PRIOR TO INSTALLING THE SPANNER PIECES, PIECE MARKED (6). NAIL TO THE FILL MATERIAL, PIECE MARKED (4), W/2-10d NAILS.
- SPANNER PIECE, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REOD). INSTALL THE UPPER SPANNER PIECE SUCH THAT THE TOP EDGE OF THE SPANNER PIECE IS AT THE SAME HEIGHT AS THE TOP EDGE OF THE BEAM IN THE REAR BLOCKING ASSEMBLY, PIECE MARKED (1). (6) THE BEAM IN THE HEAR BLULKING ASSEMBLY, PIECE MARKED (1).

 INSTALL THE LOWER SPANNER PIECE SUCH THAT THE BOTTOM EDGE IS
 AT THE SAME HEIGHT AS THE BOTTOM EDGE OF THE LOWEST BEAM IN
 THE REAR BLOCKING ASSEMBLY. TOENAIL TO THE FILL MATERIAL,
 PIECE MARKED (4), W/2-12d NAILS AT EACH END. NOTE: PIECES
 MARKED (5) AND (6) ARE ONLY REDUIRED WHEN USING 6" OR MORE OF
 SOLID FILL MATERIAL.

- PREFABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES "C", TWO SEPARATOR ASSEMBLIES "A" AND ONE SEPARATOR ASSEMBY "B".
- 2. INSTALL THE FORWARD BLOCKING ASSEMBLY.
- 3. LOAD THIRTY-SIX CONTAINERS AND INSTALL ONE SEPARATOR ASSEMBLY "A".
- 4. REPEAT STEP 3.
- LOAD THIRTY-SIX CONTAINERS AND INSTALL ONE SEPARATOR ASSEMBLY "B".
- 6. LOAD SIX CONTAINERS AND INSTALL THE REAR BLOCKING ASSEMBLY.
- INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
- 8. INSTALL THE FOUR STRUT LEDGERS AND TWO SPANNER PIECES.

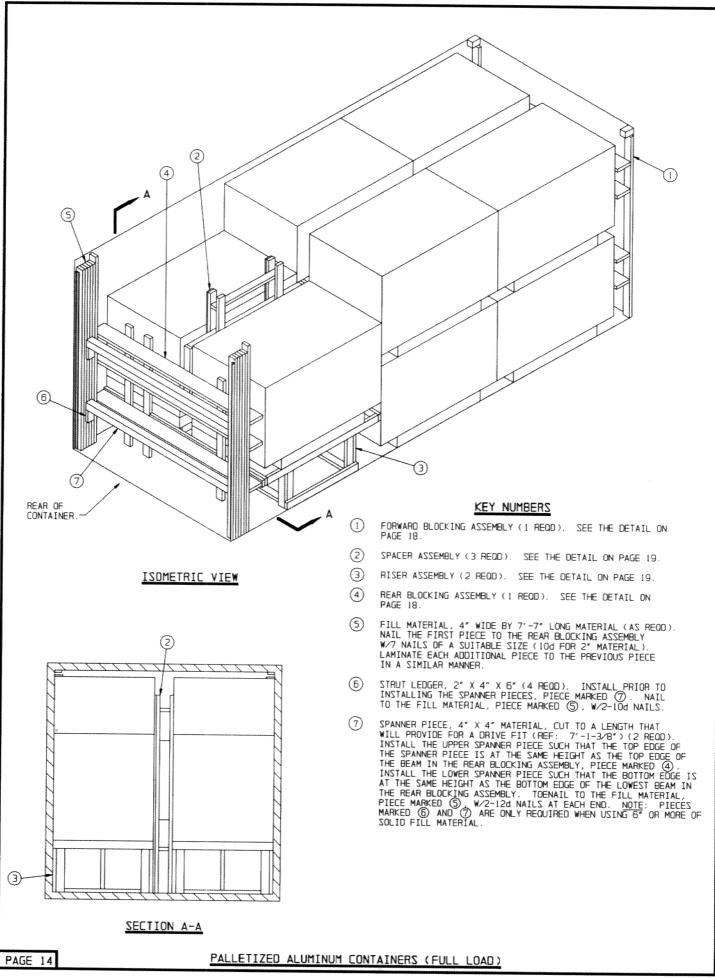
BILL OF MATERIAL											
LUMBER	LINEAR FEET	BOARD FEET									
1" X 4" 2" X 4" 4" X 4"	14 290 90	5 193 120									
NAILS	NO. REOD	POUNDS									
6d (2°) 10d (3°) 12d (3-1/4°)	104 240 8	3/4 3-3/4 1/4									
PLYW000, 1/2" -	144 SO FT R	E00 198 LBS									

NWOHZ ZA DAOL

ITEM														WEIGHT	(APPROX)	
CONTAINER	-	-		man	***	_	11	4	-			-	_		9,776	28.1
DUNNAGE -	-		-		***	-	-	-	-	•••	***	-	-		839	LBS
CONTAINER	-		-	***	***	men		-	-	-	***	~~		***	4,700	LB2
		-	-	_	-	-	-			-	-		-	-		

TOTAL WEIGHT - - - - - - 15,315 LBS (APPROX)

UNPALLETIZED ALUMINUM CONTAINERS (FULL LOAD)



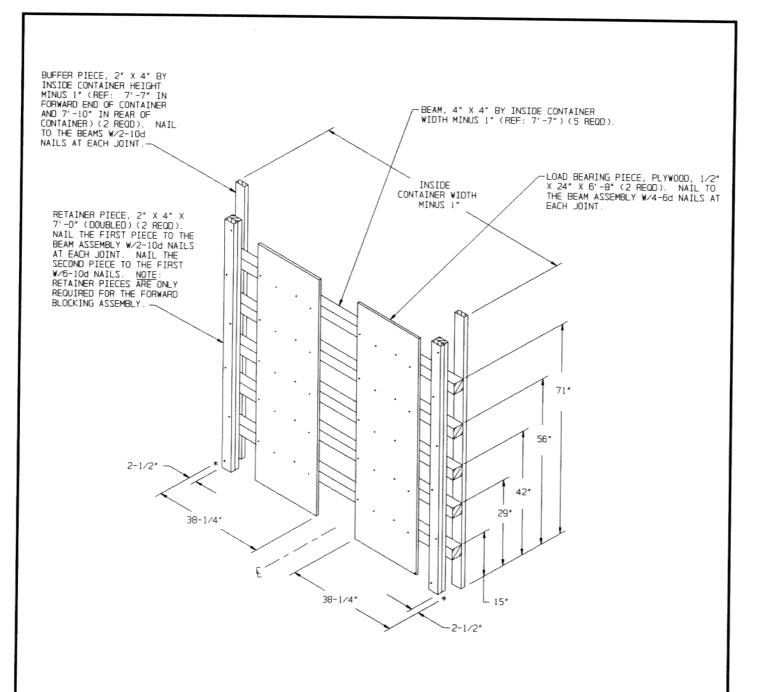
- PREFABRICATE ONE FORWARD BLOCKING ASSEMBLY, ONE REAR BLOCKING ASSEMBLY, THREE SPACER ASSEMBLIES AND TWO RISER ASSEMBLIES.
- 2. INSTALL THE FORWARD BLOCKING ASSEMBLY.
- 3. LOAD FOUR PALLET UNITS AND INSTALL ONE SPACER ASSEMBLY.
- 4. REPEAT STEP 3.
- 5. INSTALL TWO RISER ASSEMBLIES, LOAD TWO PALLET UNITS AND INSTALL ONE SPACER ASSEMBLY.
- 6. INSTALL THE REAR BLOCKING ASSEMBLY.
- INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
- 8. INSTALL THE FOUR STRUT LEDGERS AND TWO SPANNER PIECES.

В	ILL OF MATERIA	L
LUMBER	LINEAR FEET	BOARD FEET
1" X 4" 2" X 4" 2" X 8" 4" X 4"	57 419 53 14	19 <i>27</i> 9 71 19
NAILS	NO. REOD	POUNDS
6d (2*) 10d (3*) 12d (3-1/4*)	30 490 8	1/4 7-3/4 1/4

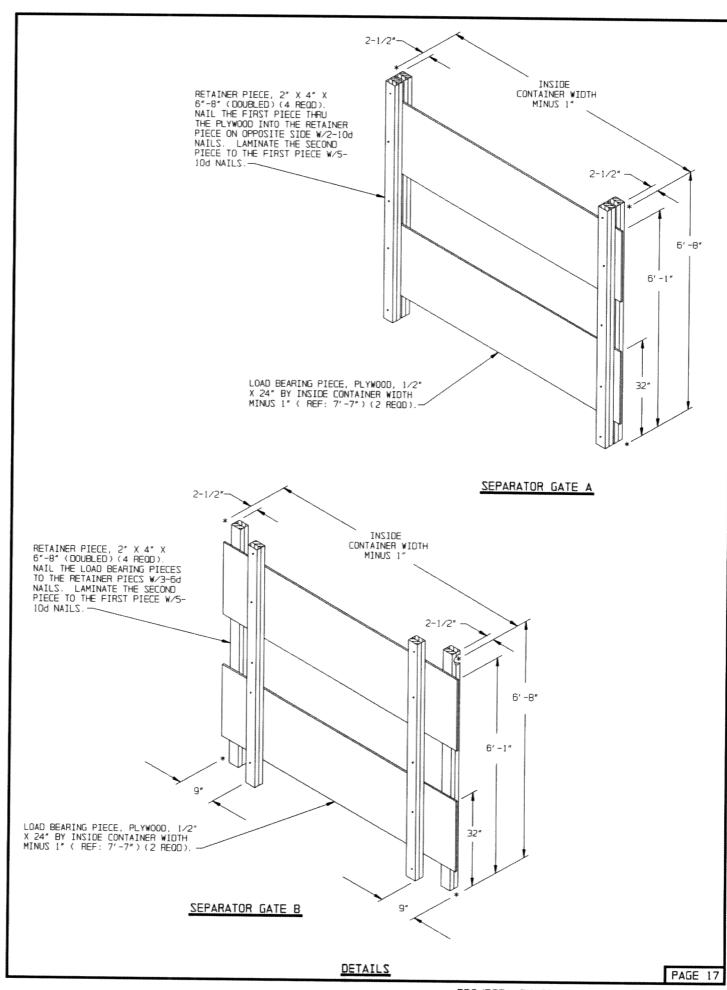
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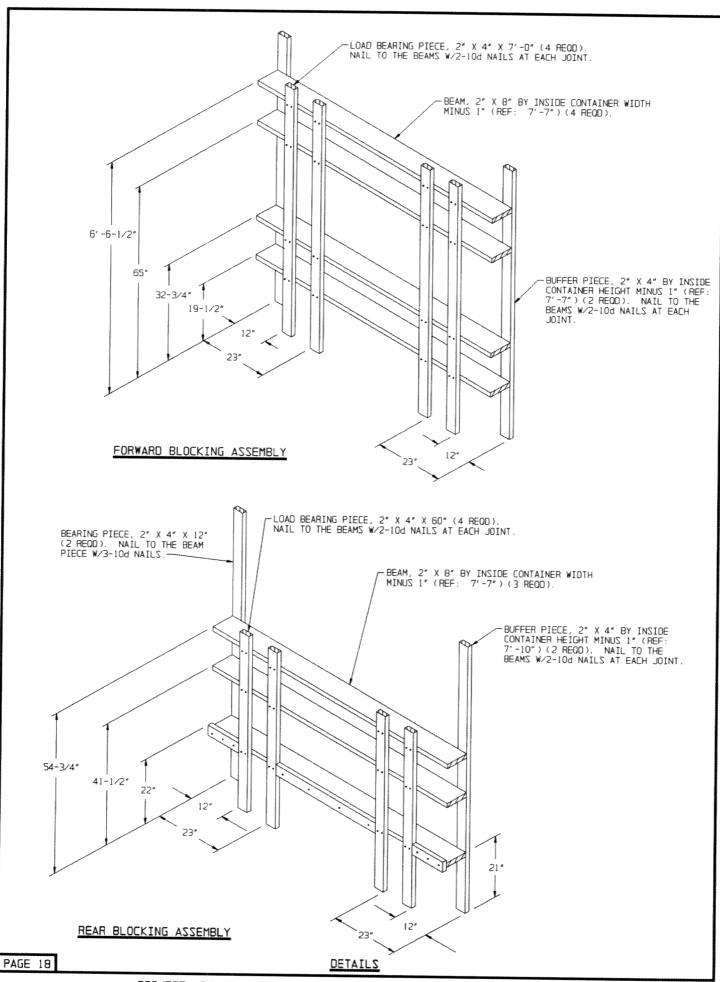
ITEM					01	JAN	IT:	T	Ý				WEIGHT	(APPROX)		
PALLET_UNIT	-	-	. ,		***	1	0	-	-		 		9,520	LB2		
DUNNAGE		***	-	~	***	-	•		1000	-	 	~~	784	LBS		
CONTAINER -	~ ~	-	-	-	-				-	-	 -	-	4,700	raz		
TO)TA	L	WE.	I G+	4T		~	-	-	-	 _		15,004	LB2	(APPROX)	

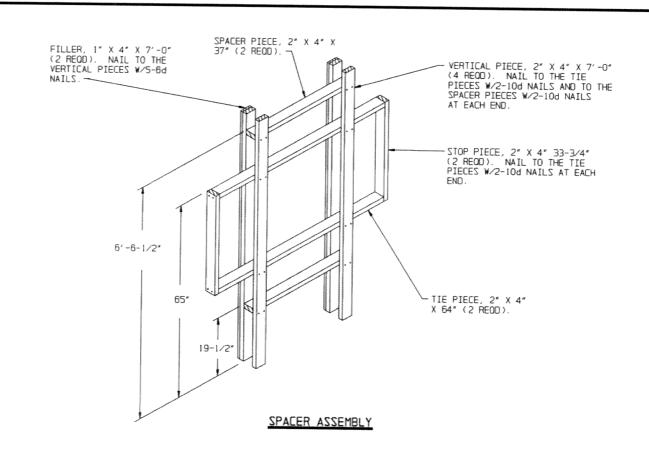
PALLETIZED ALUMINUM CONTAINERS (FULL LOAD)

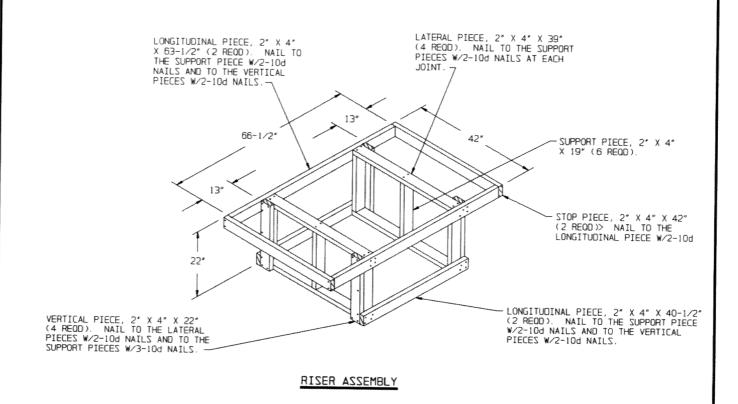


FORWARD/REAR BLOCKING ASSEMBLY C

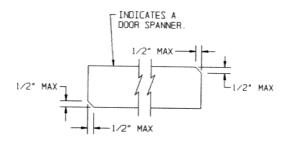






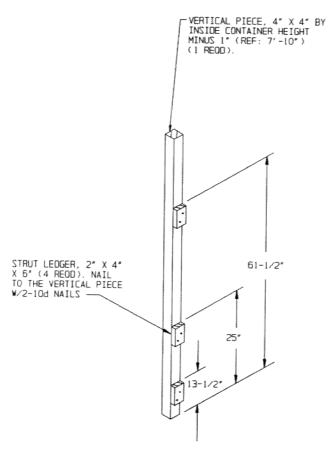


DETAILS



BEVEL-CUT

IF DESIRED, EACH END OF A DOOR SPANNER PIECE MAY BE BEVEL-CUT AS SHOWN ABOVE TO FACILITATE THE ACHIEVEMENT OF A TIGHT DOOR-POST-TO-DOOR-POST FIT.

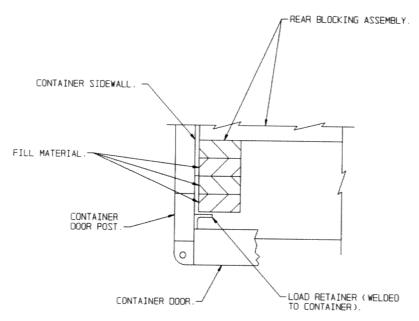


DOOR POST VERTICAL

TWO DOOR POST VERTICALS ARE REQUIRED WITHIN THE LOADS SHOWN IN THIS DRAWING WHEN THE ISO CONTAINER IS NOT EQUIPPED WITH PRE-WELDED LOAD RETAINERS. THE DOOR POST VERTICALS MUST BE NAILED TO THE DOOR POST VERTICAL RETAINER. NAIL THROUGH THE HOLES IN THE DOOR POST VERTICAL RETAINER INTO THE DOOR POST VERTICAL W/4-10d NAILS. SEE "DETAIL B" AND THE SPECIAL NOTE ON PAGE 21.

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DETAILS

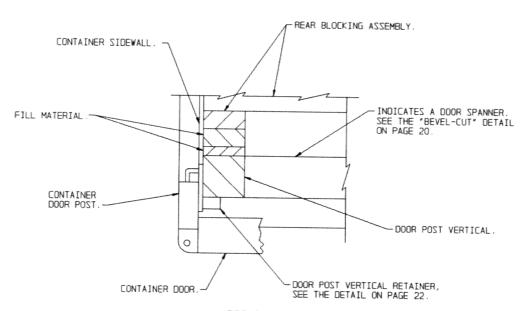


DETAIL A

A PARTIAL PLAN VIEW OF THE LEFT REAR PORTION OF THE CONTAINER IS SHOWN DEPICTING THE PROPER POSITION OF THE FILL MATERIAL AND ADJACENT DUNNAGE PIECES.

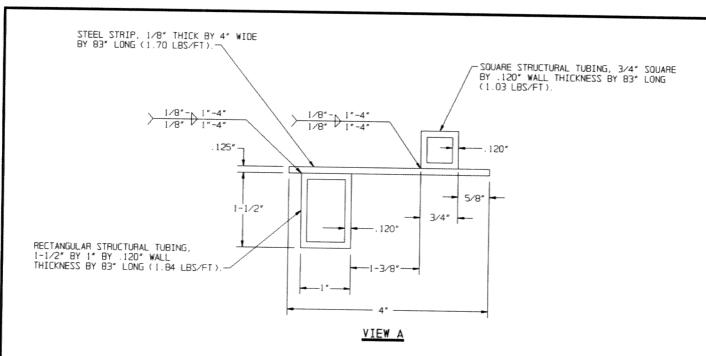
SPECIAL NOTE:

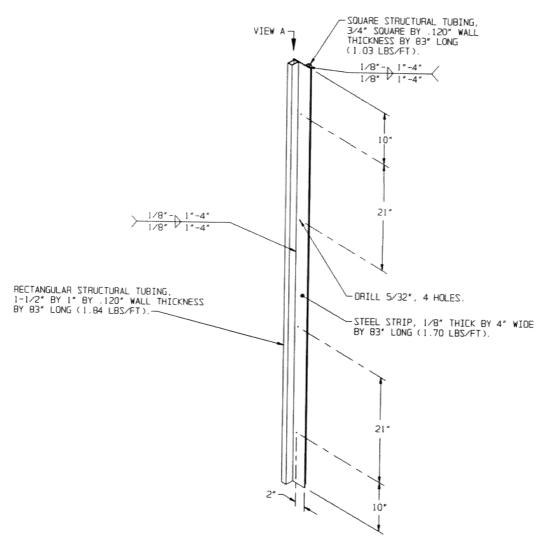
WHEN COMMERCIAL CONTAINERS ARE NOT EQUIPPED WITH PRE-WELDED LOAD RETAINERS, AS DEPICTED IN "DETAIL B" BELOW, DOOR POST VERTICALS, DOOR POST VERTICAL RETAINERS AND DOOR SPANNERS WILL BE REQUIRED FOR THE LOADS DEPICTED WITHIN THIS DRAWING. SEE VARIOUS LOADS WITHIN AMC DRAWING 19-48-4153-15PA1002 FOR EXAMPLES. SEE PAGE 22 FOR DETAILS OF THE METAL DOOR POST VERTICAL RETAINER.



DETAIL B

A PARTIAL PLAN VIEW OF THE LEFT REAR PORTION OF THE CONTAINER IS SHOWN DEPICTING THE PROPER POSITION OF THE DOOR POST VERTICAL RETAINER AND ADJACENT DUNNAGE PIECES.





DOOR POST VERTICAL RETAINER

NOTE: THE ABOVE ASSEMBLY HAS BEEN SHOWN ROTATED 90 $^\circ$ FROM THE ORIENTATION IN WHICH IT IS INSTALLED IN THE LEFT REAR CORNER OF THE CONTAINER. THE ASSEMBLY HAS BEEN ROTATED FOR HOLE LOCATION CLARITY.