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DATE 4 June 2008

# HELLFIRE

## LOADING AND BRACING\* IN SIDE OPENING ISO CONTAINERS OF HELLFIRE GUIDED MISSILE, PACKED IN METAL CONTAINERS, PALLETIZED AND UNPALLETIZED

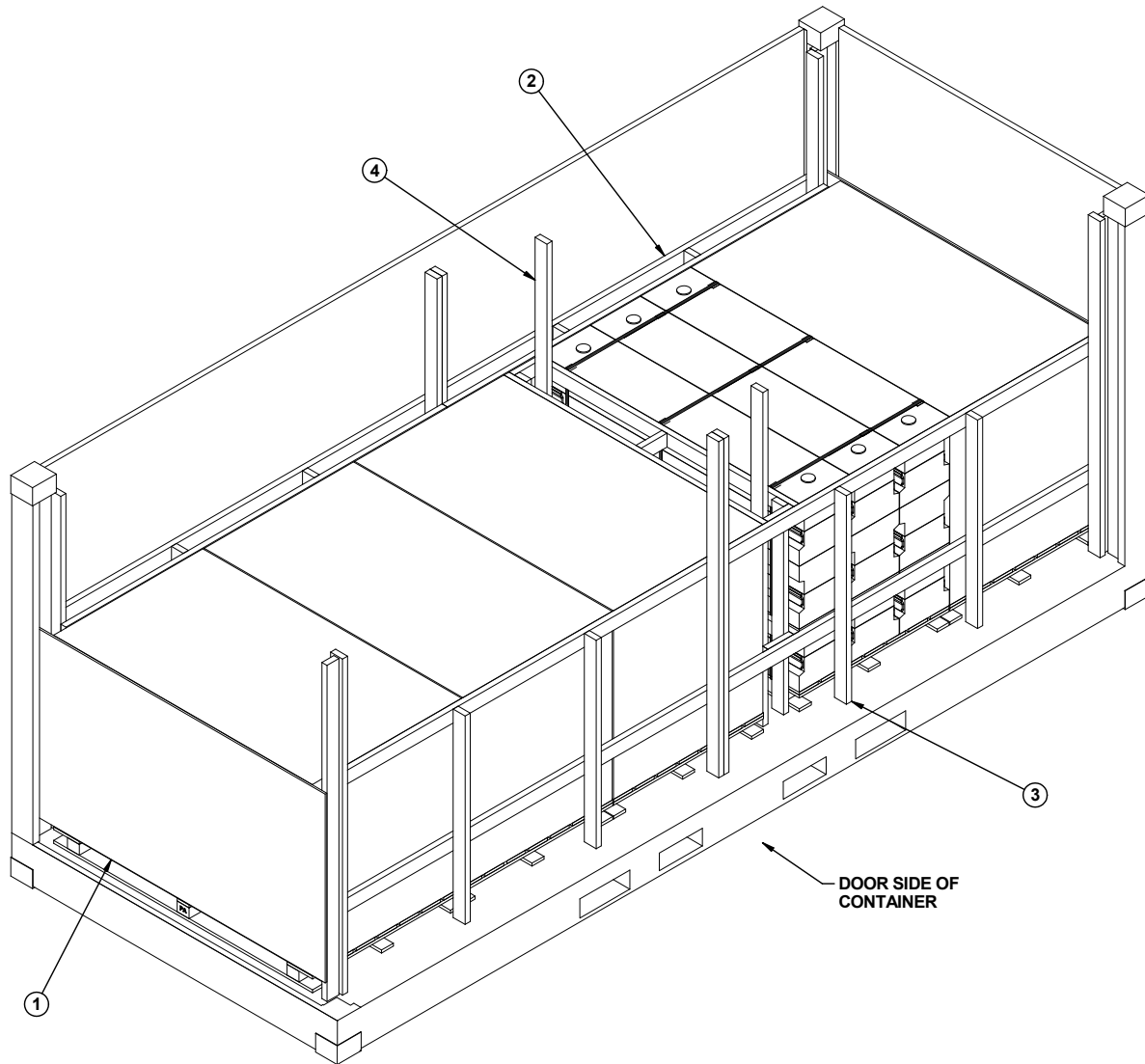
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\*THE PROCEDURES SHOWN HEREIN ARE APPLICABLE TO LOADS THAT ARE TO BE SHIPPED BY  
 CONTAINER-ON-FLATCAR(COFC) RAIL, MOTOR, OR WATER CARRIERS.

## U.S. ARMY MATERIEL COMMAND DRAWING

<p style="text-align: center;"><b>APPROVED, U.S. ARMY          AVIATION ANDMISSILE COMMAND</b></p> <p><b>SCHMITT.          ELIZABETH.          1016576081</b></p> <p><small>Digitally signed by SCHMITT.          ELIZABETH.1016576081          DN: cn=SCHMITT.          ELIZABETH.1016576081,          c=US, o=U.S. Government,          ou=DoD, PKI, USA          Date: 2008.10.30 14:53:21          -05'00'</small></p>	<p><b>CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS          THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 6.</b></p>								
<p style="text-align: center;"><b>APPROVED BY ORDER OF COMMANDING          GENERAL, U.S. ARMY MATERIEL COMMAND</b></p> <p><b>CARNEY.GARY.          BURTON.10387          08038</b></p> <p><small>Digitally signed by CARNEY.          GARY.BURTON.1038708038          DN: c=US, o=U.S. Government,          ou=DoD, ou=PKI, ou=USA,          cn=CARNEY.GARY.          BURTON.1038708038          Date: 2008.10.31 06:44:25 -05'00'</small></p> <p style="text-align: center;"><b>U.S. ARMY DEFENSE AMMUNITION CENTER</b></p>	<p><b>DO NOT SCALE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">ENGINEER OR TECHNICIAN</td> <td style="width: 10%;">BASIC</td> <td style="width: 70%;">ADIN FELICIANO</td> </tr> <tr> <td></td> <td>REV.</td> <td></td> </tr> </table>	ENGINEER OR TECHNICIAN	BASIC	ADIN FELICIANO		REV.			
	ENGINEER OR TECHNICIAN	BASIC	ADIN FELICIANO						
	REV.								
<p style="text-align: center;"><b>TRANSPORTATION          ENGINEERING          DIVISON</b></p> <p><b>FIEFFER.LAURA.          A.1230375727</b></p> <p><small>Digitally signed by FIEFFER.LAURA.          A.1230375727          DN: c=US, o=U.S. Government, ou=DoD,          ou=PKI, ou=USA, cn=FIEFFER.LAURA.          A.1230375727          Date: 2008.03.28 14:22:41 -05'00'</small></p>	<p><b>APRIL 2008</b></p>								
<p style="text-align: center;"><b>VALIDATION          ENGINEERING          DIVISON</b></p> <p><b>BEAVER.          JERRY.          W.1230949952</b></p> <p><small>Digitally signed by BEAVER.JERRY.          W.1230949952          DN: c=US, o=U.S. Government, ou=DoD,          ou=PKI, ou=USA, cn=BEAVER.JERRY.          W.1230949952          Date: 2008.04.03 14:40:07 -05'00'</small></p>	<p><b>TESTED</b></p>								
<p style="text-align: center;"><b>ENGINEERING          DIRECTORATE</b></p> <p><b>NORTUNEN.LARRY.          R.1230549628</b></p> <p><small>Digitally signed by NORTUNEN.LARRY.          R.1230549628          DN: c=US, o=U.S. Government, ou=DoD, PKI, USA          Reason: I have reviewed this document.          Date: 2008.04.03 14:48:36 -05'00'</small></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">CLASS</td> <td style="width: 25%;">DIVISION</td> <td style="width: 25%;">DRAWING</td> <td style="width: 25%;">FILE</td> </tr> <tr> <td style="text-align: center;"><b>19</b></td> <td style="text-align: center;"><b>48</b></td> <td style="text-align: center;"><b>8229</b></td> <td style="text-align: center;"><b>GM15HF3</b></td> </tr> </table>	CLASS	DIVISION	DRAWING	FILE	<b>19</b>	<b>48</b>	<b>8229</b>	<b>GM15HF3</b>
CLASS	DIVISION	DRAWING	FILE						
<b>19</b>	<b>48</b>	<b>8229</b>	<b>GM15HF3</b>						



**ISOMETRIC VIEW**

**KEY NUMBERS**

- ① END BLOCKING ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 7.
- ② SIDE FILL ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 9.
- ③ SIDE FILL ASSEMBLY B (2 REQD). SEE THE DETAIL ON PAGE 11.
- ④ CENTER FILL ASSEMBLY A (1 REQD). SEE THE DETAIL ON PAGE 6.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	286	191
NAILS	NO. REQD	POUNDS
6d (2")	20	1/4
10d (3")	136	2-1/4
PLYWOOD, 1/2" - - 57.33 SQ FT REQD		- - 78.83 LBS

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT - - - - -	5 - - - - -	8,745 LBS
DUNNAGE - - - - -	- - - - -	462 LBS
CONTAINER - - - - -	- - - - -	6,050 LBS
<b>TOTAL WEIGHT - - - - -</b>		<b>15,257 LBS (APPROX)</b>

**GENERAL NOTES**

(GENERAL NOTES CONTINUED)

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- B. THE SPECIFIED OUTLOADING PROCEDURES ARE APPLICABLE TO LOADS OF HELLFIRE GUIDED MISSILES, PACKED IN METAL CONTAINERS, PALLETIZED AND UNPALLETIZED. SUBSEQUENT REFERENCE TO PALLET UNIT HEREIN MEANS THE PALLET UNIT WITH AMMUNITION ITEMS. SEE PAGE 4 AND AMC DRAWING 19-48-5250-GM20HF1 FOR DETAILS OF THE PALLET UNIT. SEE PAGE 5 AND APN DRAWINGS 13012182 (UNSEALED), 13155079 (SEALED) AND 13349586 (STRETCHED) FOR DETAILS OF THE CONTAINERS. CAUTION: REGARDLESS OF THE QUANTITY OF CONTAINERS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF THE SIDE OPENING ISO CONTAINER MUST NOT BE EXCEEDED.
- C. THE LOAD AS SHOWN IS BASED ON A 6,050 POUND 20' LONG BY 8' WIDE BY 8'-6" HIGH SIDE OPENING ISO CONTAINER WITH INSIDE DIMENSIONS OF 19'-4" LONG BY 89" WIDE BY 88" HIGH, WITH A MAXIMUM GROSS WEIGHT OF 52,910 POUNDS. THE LOAD IS DESIGNED FOR TRAILER/CONTAINER-ON-FLATCAR (T/COFC) SHIPMENT, HOWEVER, THE LOAD AS DESIGNED CAN ALSO BE MOVED BY OTHER SURFACE MODES OF TRANSPORT. NOTICE: OTHER CONTAINERS OF THE SAME DESIGN CONFIGURATION CAN BE USED.
- D. WHEN LOADING PALLET UNITS OR CONTAINERS, THEY ARE TO BE POSITIONED SO AS TO ACHIEVE A TIGHT LOAD (TIGHT AGAINST THE DUNNAGE ASSEMBLIES). THE UNBLOCKED SPACE ACROSS THE WIDTH OF A LOAD BAY IS NOT TO EXCEED 1-1/2". EXCESSIVE SLACK CAN BE ELIMINATED FROM A LOAD BY LAMINATING ADDITIONAL PIECES OF APPROPRIATE THICKNESS TO THE HORIZONTAL PIECES ON THE SIDE FILL ASSEMBLIES. NAIL EACH ADDITIONAL PIECE W/1 APPROPRIATELY SIZED NAIL EVERY 12". ADDITIONALLY, THE THICKNESS OR QUANTITY OF PIECES IN THE SIDE FILL ASSEMBLIES MAY BE ADJUSTED AS REQUIRED TO FACILITATE VARIANCE IN THE SIZE OF THE PALLET UNIT OR CONTAINER.
- E. DUNNAGE LUMBER SPECIFIED IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY 3/4" THICK BY 3-1/2" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE.
- F. 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.
- G. IN SOME CONTAINERS THERE IS A SLOT AT THE CORNERS OF THE ENDWALL. PIECES OF DUNNAGE MATERIAL MUST BE LAMINATED TO THE BUFFER PIECES ON THE END BLOCKING ASSEMBLY "B" TO PROVIDE A FLAT SURFACE FOR THE 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". NOTE THAT SOME CONTAINERS ARE EQUIPPED WITH "TIE-BARS" IN THE CORNER SLOT, WHICH PRECLUDE THE USE OF A FULL HEIGHT FILL PIECE. WHEN "TIE-BARS" ARE PRESENT, THE FILL PIECE MUST BE INSTALLED IN SEGMENTS DESIGNED TO FIT BETWEEN THE "TIE-BARS" VERTICALLY. THE FILL PIECE(S) IS NOT REQUIRED WHEN THE CORNER PORTIONS OF THE CONTAINER FORWARD WALL ARE SMOOTH AND FLAT. DO NOT ALLOW ANY DUNNAGE ASSEMBLY TO CONTACT THE CONTAINER ENDWALLS, ONLY THE CORNER POSTS OF THE CONTAINER SHOULD BE USED FOR FORWARD LONGITUDINAL BLOCKING.
- H. WHETHER A CONTAINER IS FULL OR IS LOADED WITH A REDUCED QUANTITY OF LADING UNITS, THE LENGTHWISE CENTER OF GRAVITY OF THE LOAD MUST BE WITHIN 12", IN EITHER DIRECTION, OF THE MID-POINT OF THE CONTAINER.
- J. CAUTION: DO NOT NAIL DUNNAGE MATERIAL TO THE CONTAINER WALLS OR FLOOR. ALL NAILING WILL BE WITHIN THE DUNNAGE.
- K. PORTIONS OF THE CONTAINER DEPICTED WITHIN THIS DRAWING, SUCH AS THE SIDEWALL, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- L. MAXIMUM LOAD WEIGHT CRITERIA:

THE MAXIMUM LOAD WEIGHTS ARE CONTROLLED BY EQUIPMENT CAPABILITY FACTORS. 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. 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 INTERMODAL CONTAINER SYSTEM.

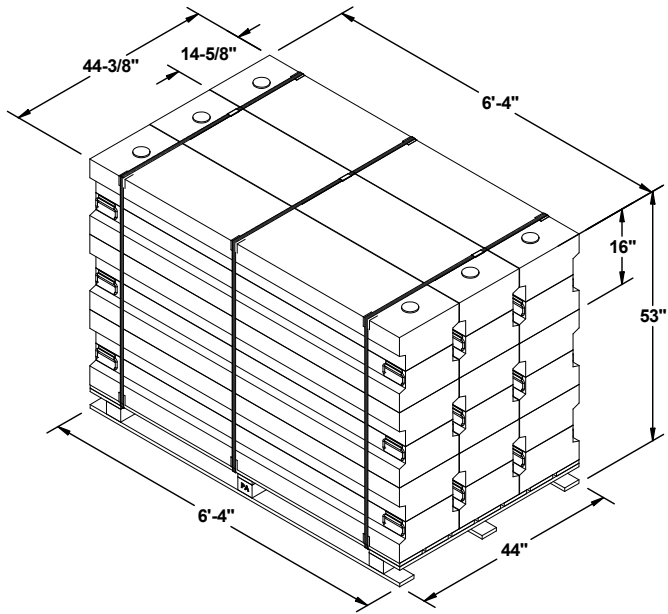
- M. REQUIREMENTS CITED WITHIN THE ASSOCIATION OF AMERICAN RAILROADS (AAR) INTERMODAL LOADING GUIDE APPLY WHEN THE SHIPMENT MOVES BY TRAILER/CONTAINER-ON-FLATCAR (T/COFC). SPECIAL T/COFC NOTES FOLLOW:
  1. A LOADED CONTAINER MUST BE ON A CHASSIS EQUIPPED WITH TWO BOGIE ASSEMBLIES WHEN BEING MOVED IN TOFC SERVICE.
  2. 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.

(CONTINUED AT RIGHT)

- N. 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.
- O. 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 EQUALS 25.4MM AND ONE POUND EQUALS 0.454 KG.
- P. THE QUANTITY OF CONTAINERS OR PALLET UNITS SHOWN IN THE LOADS HEREIN MAY BE REDUCED FOR SHIPMENT, IF DESIRED. SEE THE "FILLER ASSEMBLY" DETAIL ON PAGE 5.
- Q. ANTI-CHAFING MATERIAL MAY BE INSTALLED AT POINTS OF CONTACT BETWEEN PALLET UNITS, BETWEEN UNPALLETIZED CONTAINERS, BETWEEN UNPALLETIZED CONTAINERS AND THE SIDE OPENING CONTAINER OR BETWEEN PALLET UNITS AND THE SIDE OPENING CONTAINER, IF DESIRED, TO PREVENT CHAFING DAMAGE TO CONTAINER PAINT AND MARKINGS.

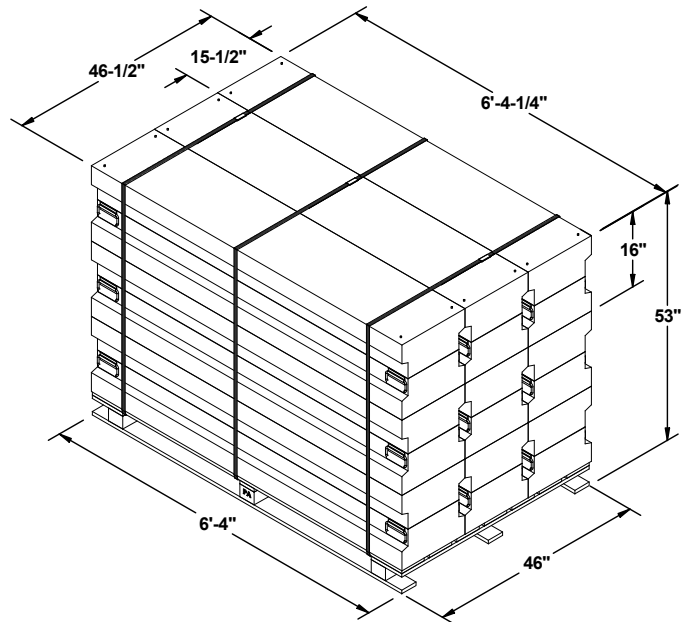
**MATERIAL SPECIFICATIONS**

- LUMBER - - - - - : SEE TM 743-200-1 (DUNNAGE LUMBER) AND VOLUNTARY PRODUCT STANDARD PS 20.
- NAILS - - - - - : ASTM F1667; COMMON STEEL NAIL NLCMS OR NLCMMS).
- PLYWOOD - - - - - : COMMERCIAL ITEM DESCRIPTION A-A-55057, 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 A853; ANNEALED AT FINISH, BLACK OXIDE FINISH, 0.0800" DIA, GRADE 1006 OR BETTER.
- ANTI-CHAFING MATERIAL - - - - - : MIL-PRF-121 (OR EQUAL); NEUTRAL BARRIER MATERIAL.



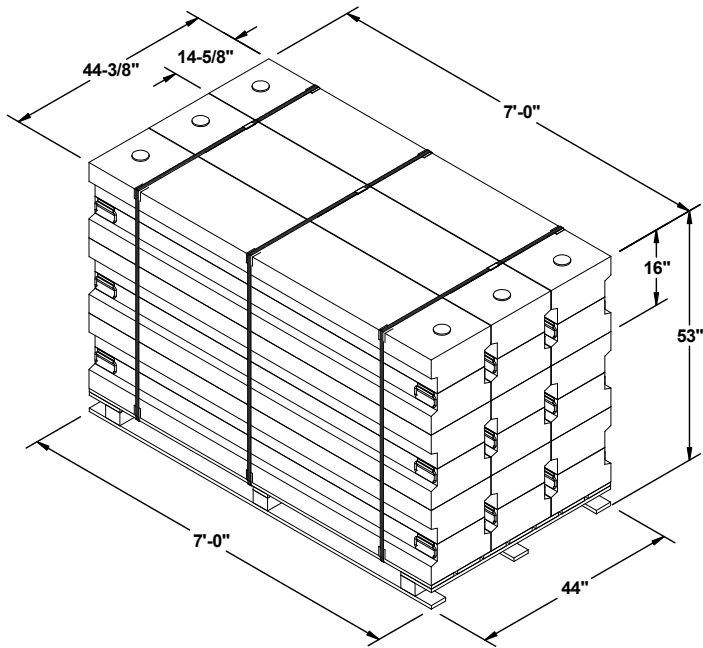
**SEALED PALLET UNIT**

GROSS WEIGHT ----- 1,749 LBS  
 CUBE ----- 103.4 CU FT



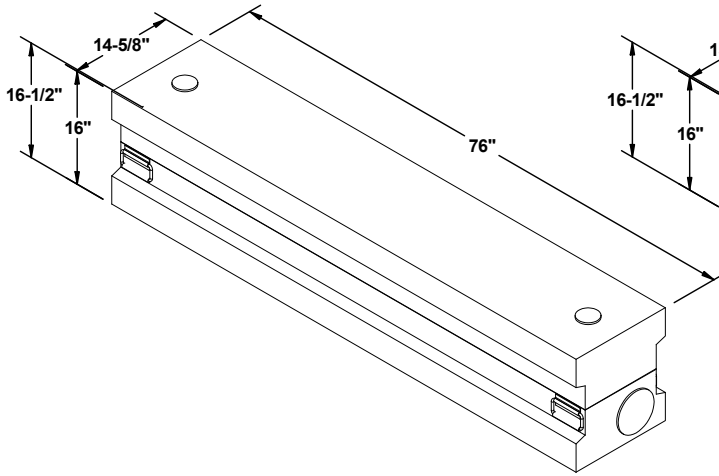
**UNSEALED PALLET UNIT**

GROSS WEIGHT ----- 1,669 LBS  
 CUBE ----- 108.7 CU FT



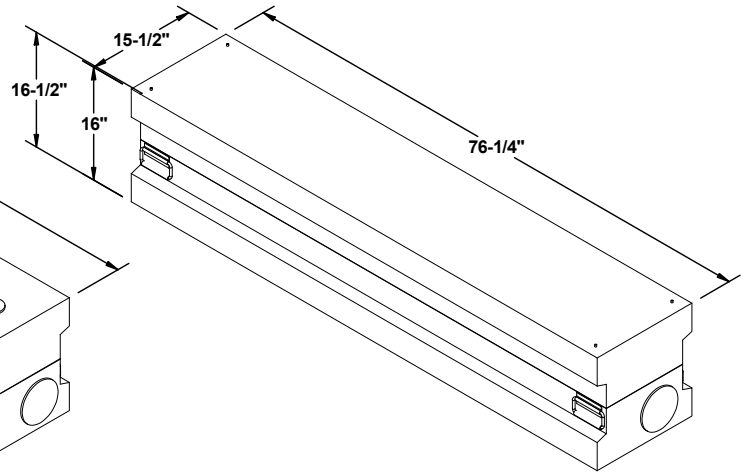
**STRETCHED PALLET UNIT**

GROSS WEIGHT ----- 1,921 LBS  
 CUBE ----- 114.3 CU FT



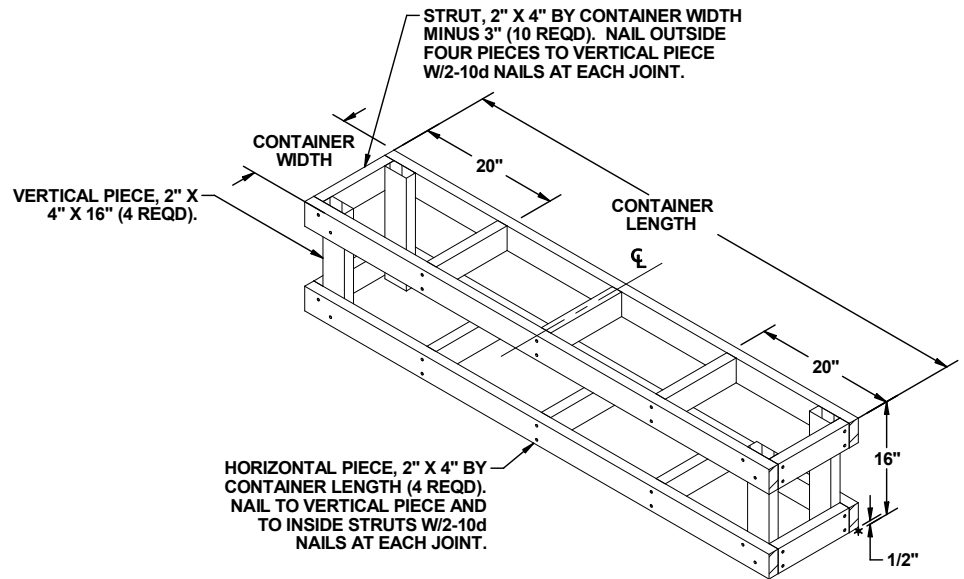
**SEALED CONTAINER**

GROSS WEIGHT ----- 185 LBS  
 CUBE ----- 10.6 CU FT

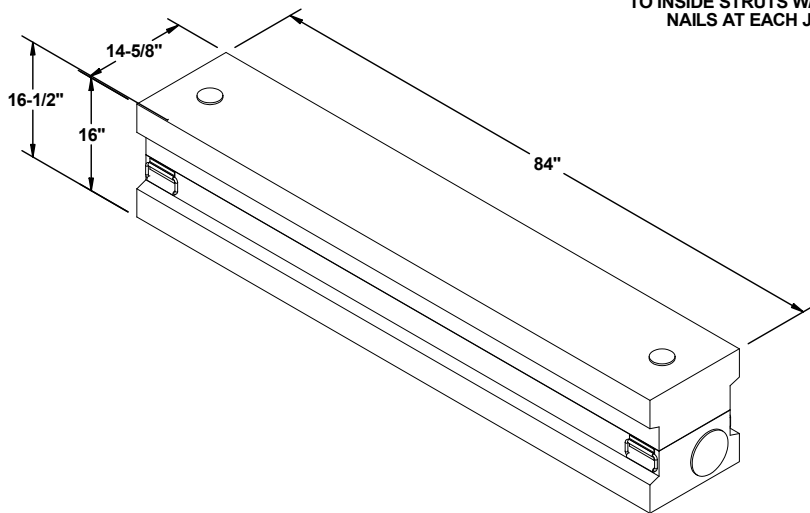


**UNSEALED CONTAINER**

GROSS WEIGHT ----- 175 LBS  
 CUBE ----- 11.3 CU FT



**FILLER ASSEMBLY**



**STRETCHED CONTAINER**

GROSS WEIGHT ----- 203 LBS  
 CUBE ----- 11.4 CU FT

STRUT, 2" X 4" BY CUT-TO-FIT (REF: 5'-3/4") (6 REQD). NAIL TO THE VERTICAL PIECES W/2-10d NAILS.

VERTICAL PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-3") (2 REQD).

HORIZONTAL PIECE, 2" X 4" X 6'-4" (4 REQD). NAIL TO THE VERTICAL PIECES AND CENTER STRUTS W/2-10d NAILS AT EACH JOINT.

VERTICAL PIECE, 2" X 4" X 53" (2 REQD).

HORIZONTAL PIECE, 2" X 4" X 66" (5 REQD).

**CENTER FILL ASSEMBLY A**

NOTE: THE STRUT LENGTH SHOWN ABOVE IS FOR THE LOAD DEPICTED ON PAGE 2, FOR THE LOAD ON PAGE 8 INCREASE THE LENGTH OF THE STRUTS TO 22'-3/4". FOR THE LOAD ON PAGE 10 LENGTHEN THE HORIZONTAL PIECE TO 6'-11".

VERTICAL PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-3") (2 REQD).

PLYWOOD, 1/2" X 6'-1" X 24" (1 REQD). NAIL TO THE VERTICAL PIECES W/3-6d NAILS AND TO THE HORIZONTAL PIECES W5-6d NAILS AT EACH JOINT.

6'-6-1/2"

64"

48"

32"

16"

PLYWOOD, 1/2" X 6'-1" X 48" (1 REQD). NAIL TO THE VERTICAL PIECES W/6-6d NAILS AND TO THE HORIZONTAL PIECES W5-6d NAILS AT EACH JOINT.

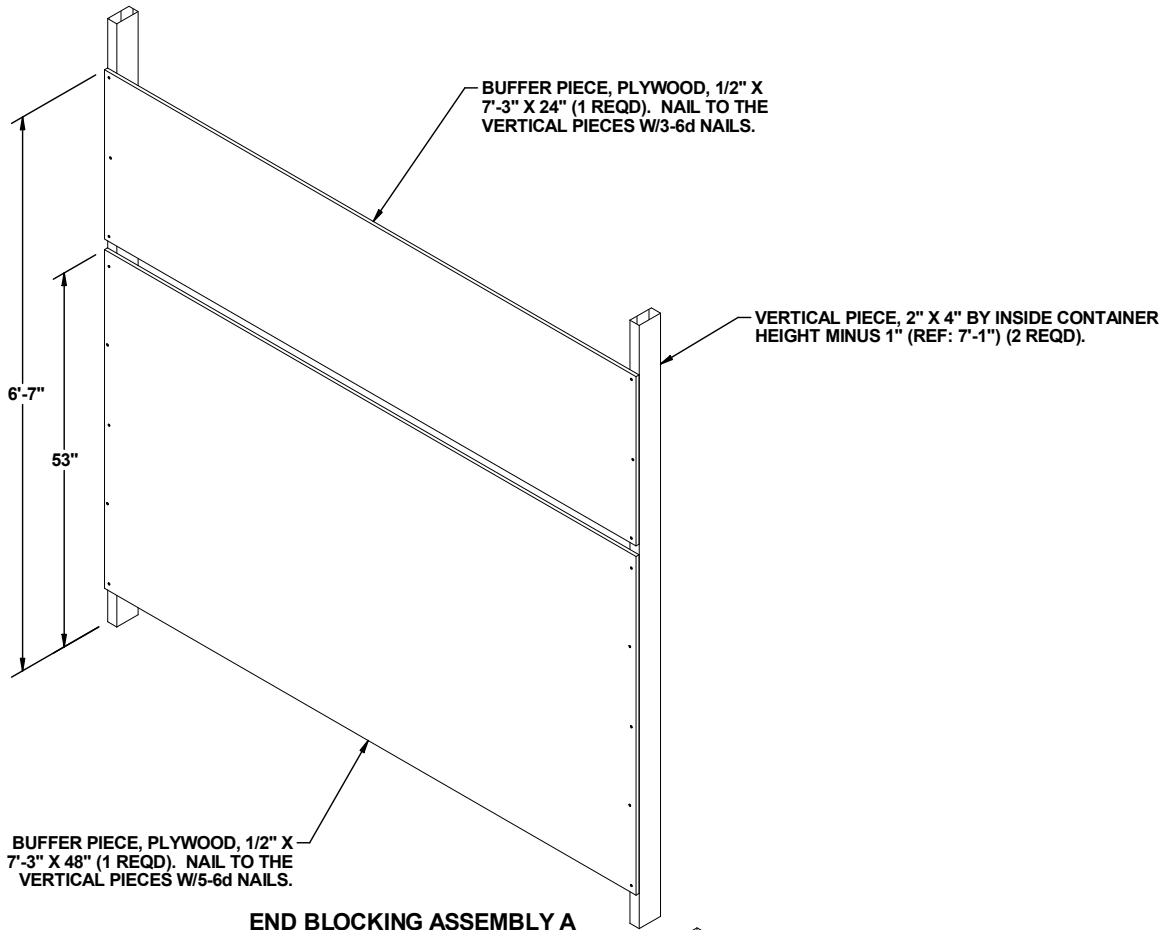
**CENTER FILL ASSEMBLY B**

54-1/2"

5"

53"

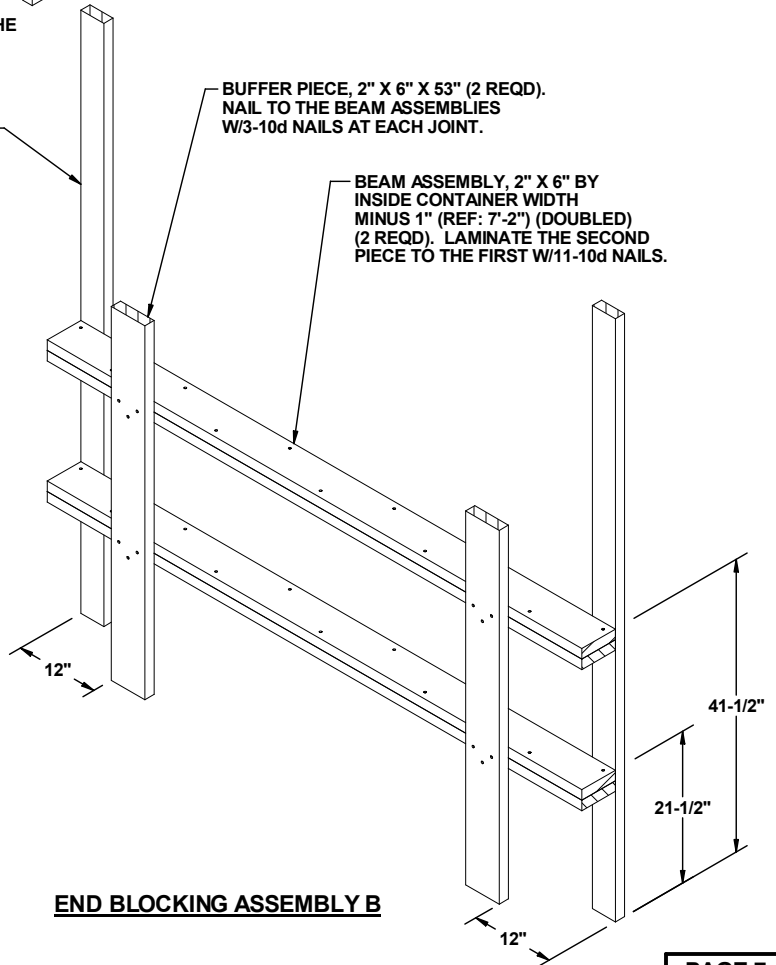
20-1/2"



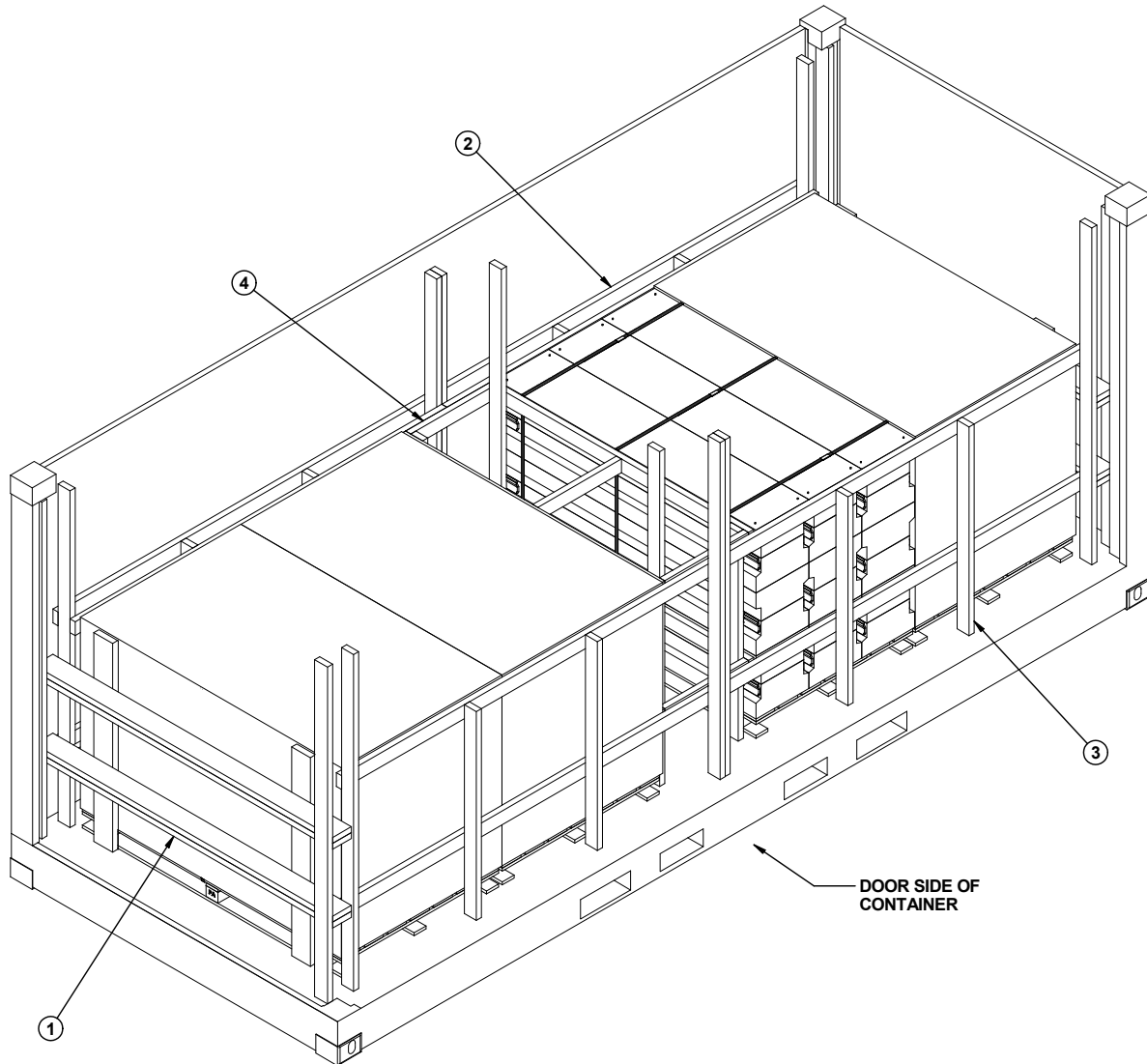
**END BLOCKING ASSEMBLY A**

NOTE: FOR THE LOAD ON PAGE 2, ELIMINATE THE TOP PLYWOOD PIECE.

VERTICAL PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-1") (2 REQD). NAIL TO BEAM ASSEMBLY W/2-10d NAILS AT EACH JOINT.



**END BLOCKING ASSEMBLY B**



**ISOMETRIC VIEW**

**KEY NUMBERS**

- ① END BLOCKING ASSEMBLY B (2 REQD). SEE THE DETAIL ON PAGE 7.
- ② SIDE FILL ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 9.
- ③ SIDE FILL ASSEMBLY B (2 REQD). SEE THE DETAIL ON PAGE 11.
- ④ CENTER FILL ASSEMBLY A (1 REQD). SEE THE DETAIL ON PAGE 6.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	266	178
2" x 6"	76	76
NAILS	NO. REQD	POUNDS
10d (3")	220	3-1/2

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	4	6,676 LBS
DUNNAGE		511 LBS
CONTAINER		6,050 LBS
<b>TOTAL WEIGHT</b>		<b>13,237 LBS (APPROX)</b>



BUFFER PIECE, PLYWOOD,  
1/2" X 7'-2" X 48" (1 REQD).  
NAIL TO HOLD DOWN  
CLEAT W/2-6d NAILS EACH.

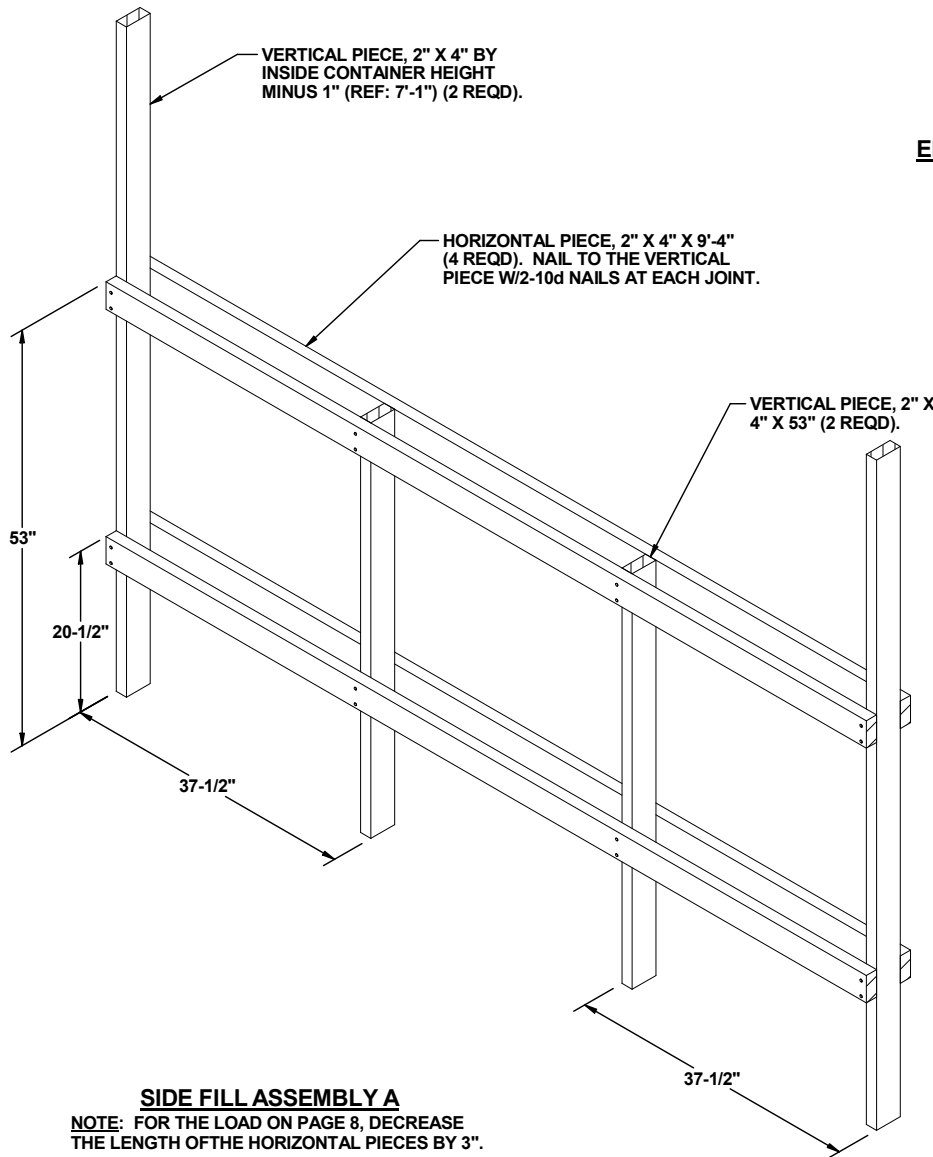
HOLD DOWN CLEAT,  
2" X 4" X 6" (2 REQD).

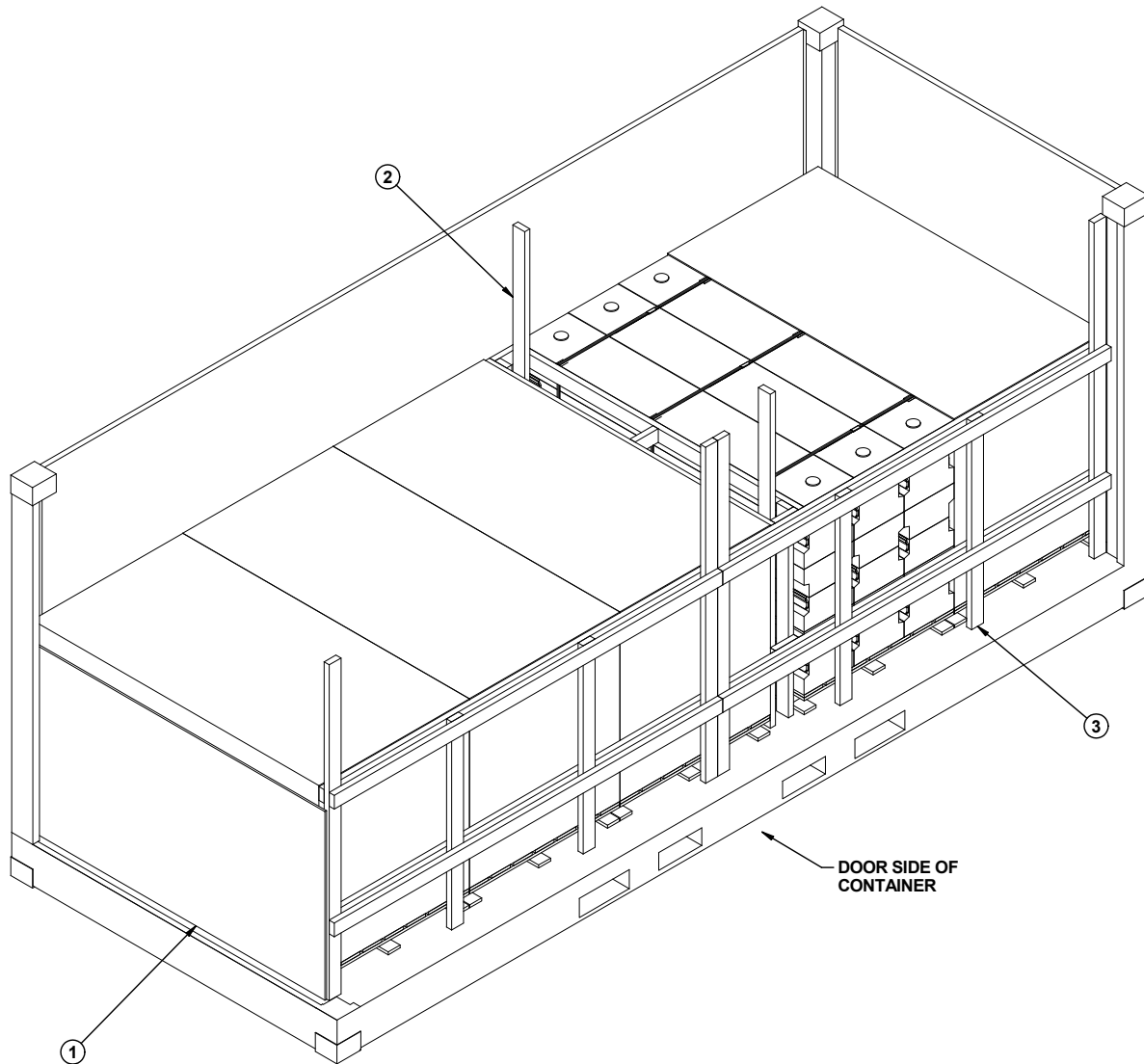
**END BLOCKING ASSEMBLY C**

VERTICAL PIECE, 2" X 4" BY  
INSIDE CONTAINER HEIGHT  
MINUS 1" (REF: 7'-1") (2 REQD).

HORIZONTAL PIECE, 2" X 4" X 9'-4"  
(4 REQD). NAIL TO THE VERTICAL  
PIECE W/2-10d NAILS AT EACH JOINT.

VERTICAL PIECE, 2" X  
4" X 53" (2 REQD).





**ISOMETRIC VIEW**

**KEY NUMBERS**

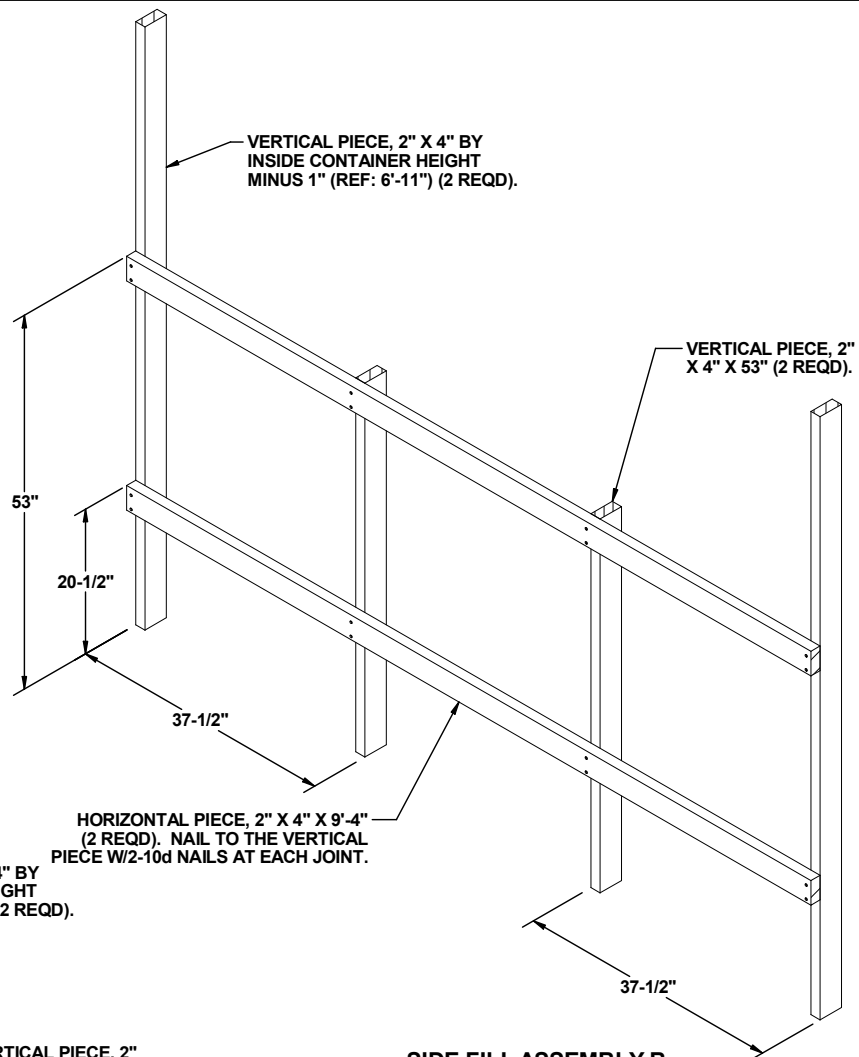
- ① END BLOCKING ASSEMBLY C (2 REQD). SEE THE DETAIL ON PAGE 9.
- ② CENTER FILL ASSEMBLY A (1 REQD). SEE THE DETAIL ON PAGE 6.
- ③ SIDE FILL ASSEMBLY C (2 REQD). SEE THE DETAIL ON PAGE 11.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	142	95
NAILS	NO. REQD	POUNDS
10d (3")	80	1-1/4
PLYWOOD, 1/2" - - 57.33 SQ FT REQD		- - 78.83 LBS

**LOAD AS SHOWN**

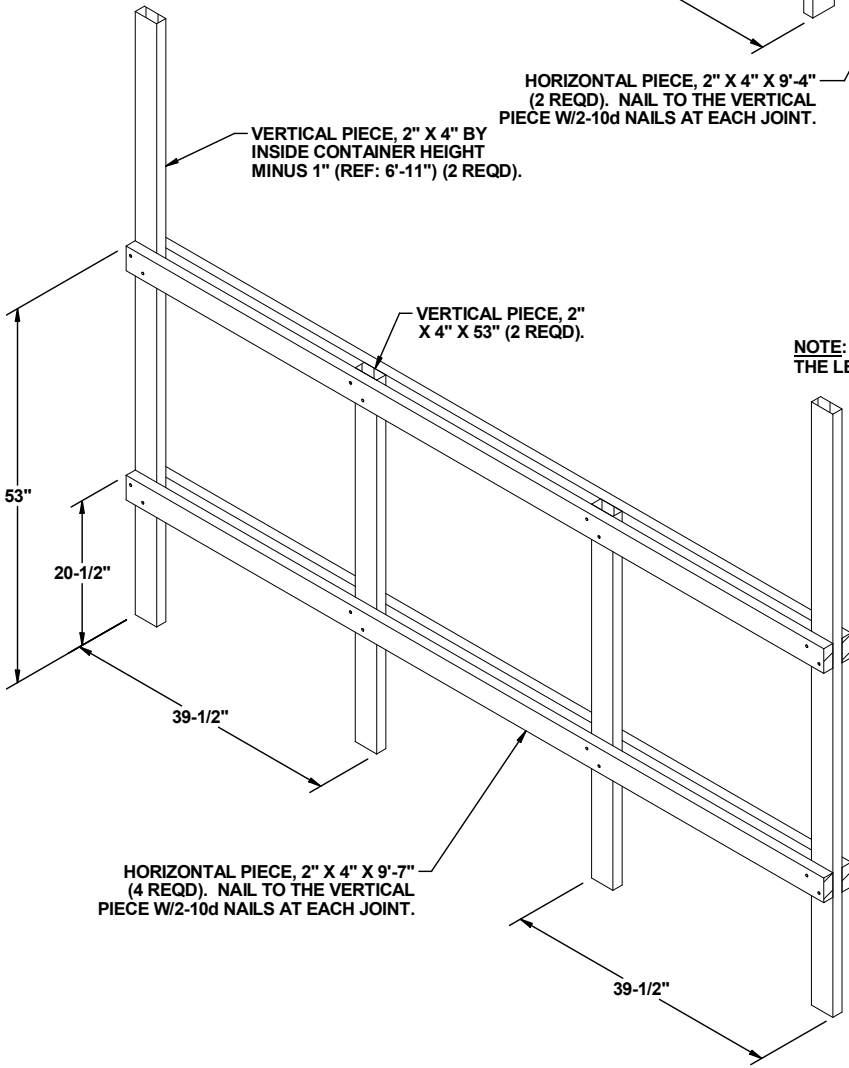
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT - - - - -	5 - - - - -	9,605 LBS
DUNNAGE - - - - -	- - - - -	269 LBS
CONTAINER - - - - -	- - - - -	6,050 LBS
<b>TOTAL WEIGHT - - - - -</b>		<b>15,924 LBS (APPROX)</b>



HORIZONTAL PIECE, 2" X 4" X 9'-4"  
(2 REQD). NAIL TO THE VERTICAL  
PIECE W/2-10d NAILS AT EACH JOINT.

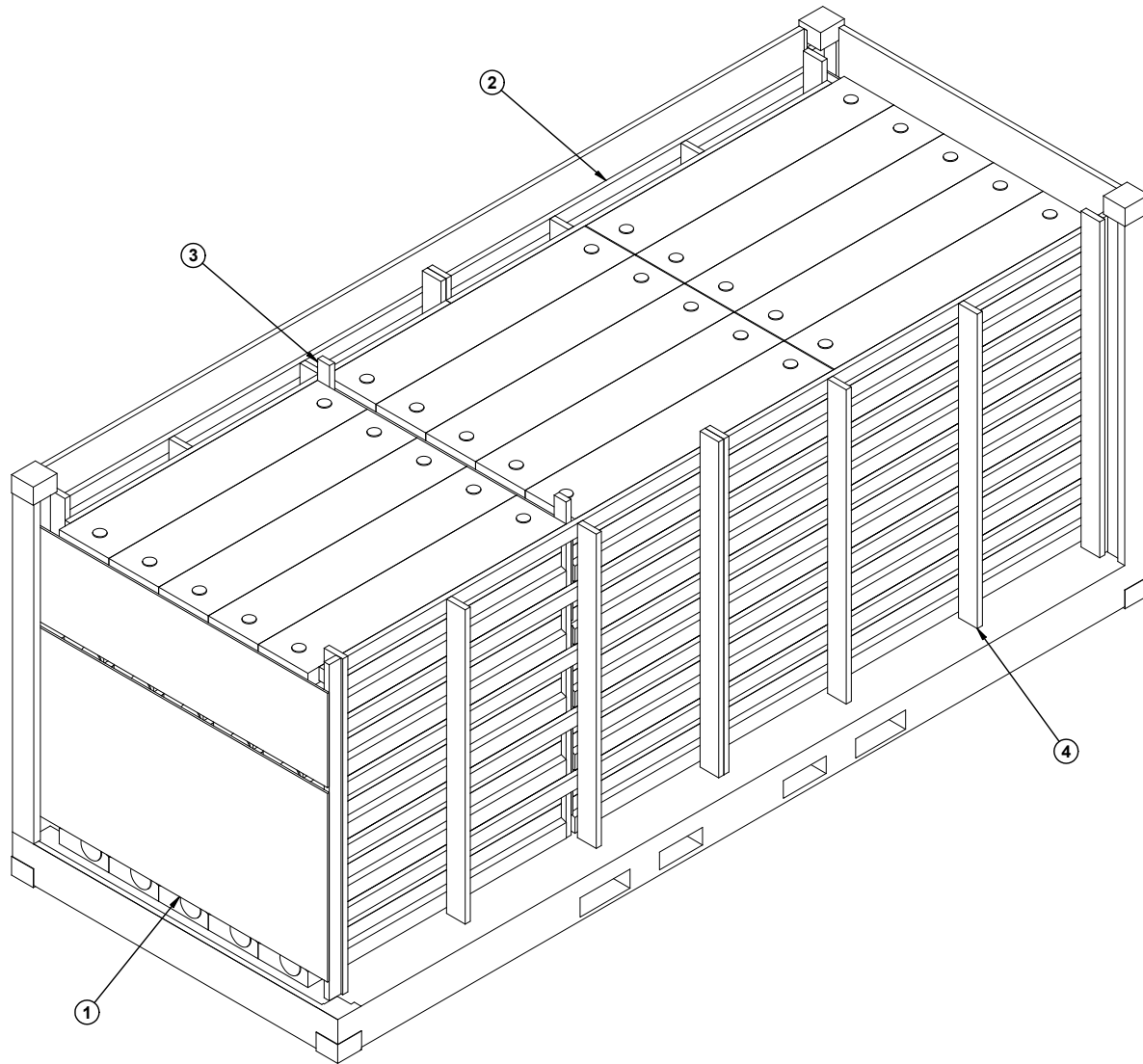
**SIDE FILL ASSEMBLY B**

NOTE: FOR THE LOAD ON PAGE 8, DECREASE  
THE LENGTH OF THE HORIZONTAL PIECES BY 3".



HORIZONTAL PIECE, 2" X 4" X 9'-7"  
(4 REQD). NAIL TO THE VERTICAL  
PIECE W/2-10d NAILS AT EACH JOINT.

**SIDE FILL ASSEMBLY C**



**ISOMETRIC VIEW**

**KEY NUMBERS**

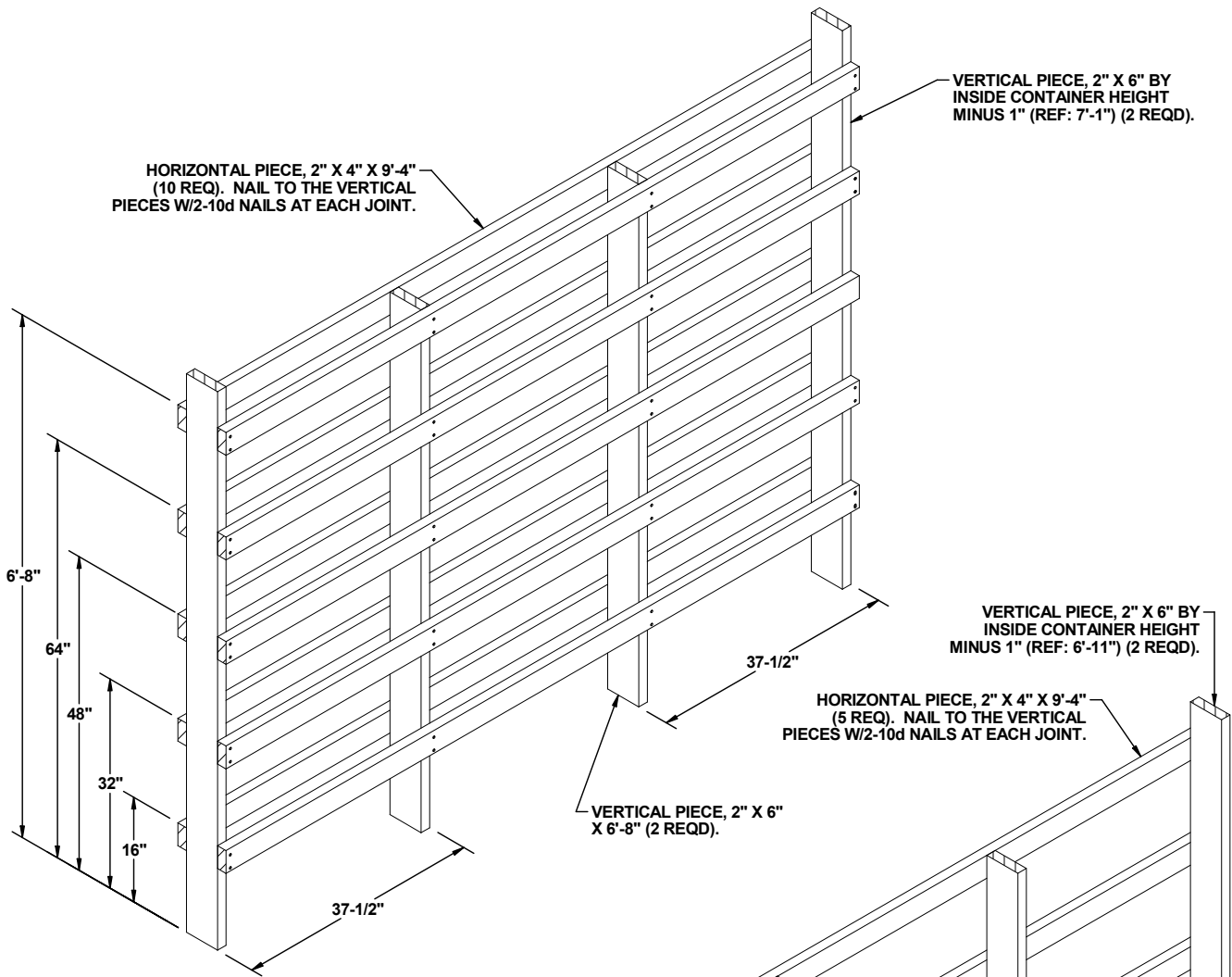
- ① END BLOCKING ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 7.
- ② SIDE FILL ASSEMBLY D (2 REQD). SEE THE DETAIL ON PAGE 13.
- ③ CENTER FILL ASSEMBLY B (1 REQD). SEE THE DETAIL ON PAGE 6.
- ④ SIDE FILL ASSEMBLY E (2 REQD). SEE THE DETAIL ON PAGE 13.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	351	234
2" x 6"	111	111
NAILS	NO. REQD	POUNDS
6d (2")	73	1/2
10d (3")	240	3-3/4
PLYWOOD, 1/2" - - 130.5 SQ FT REQD - -		179.5 LBS

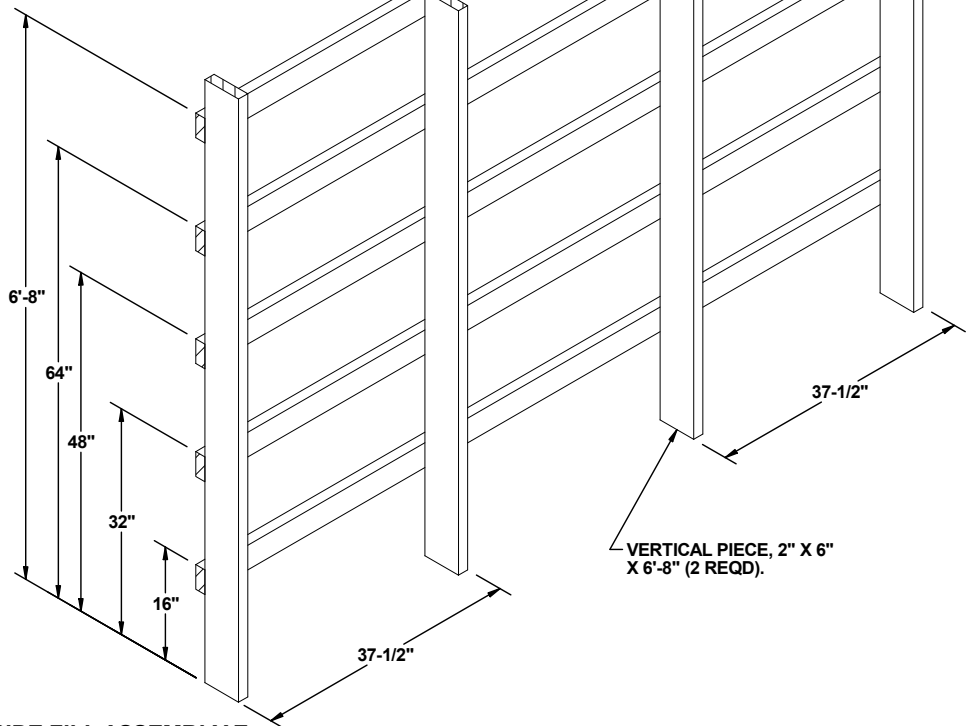
**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
CONTAINERS - - - - -	75 - - - - -	13,875 LBS
DUNNAGE - - - - -	- - - - -	872 LBS
CONTAINER - - - - -	- - - - -	6,050 LBS
<b>TOTAL WEIGHT - - - - -</b>		<b>20,797 LBS (APPROX)</b>



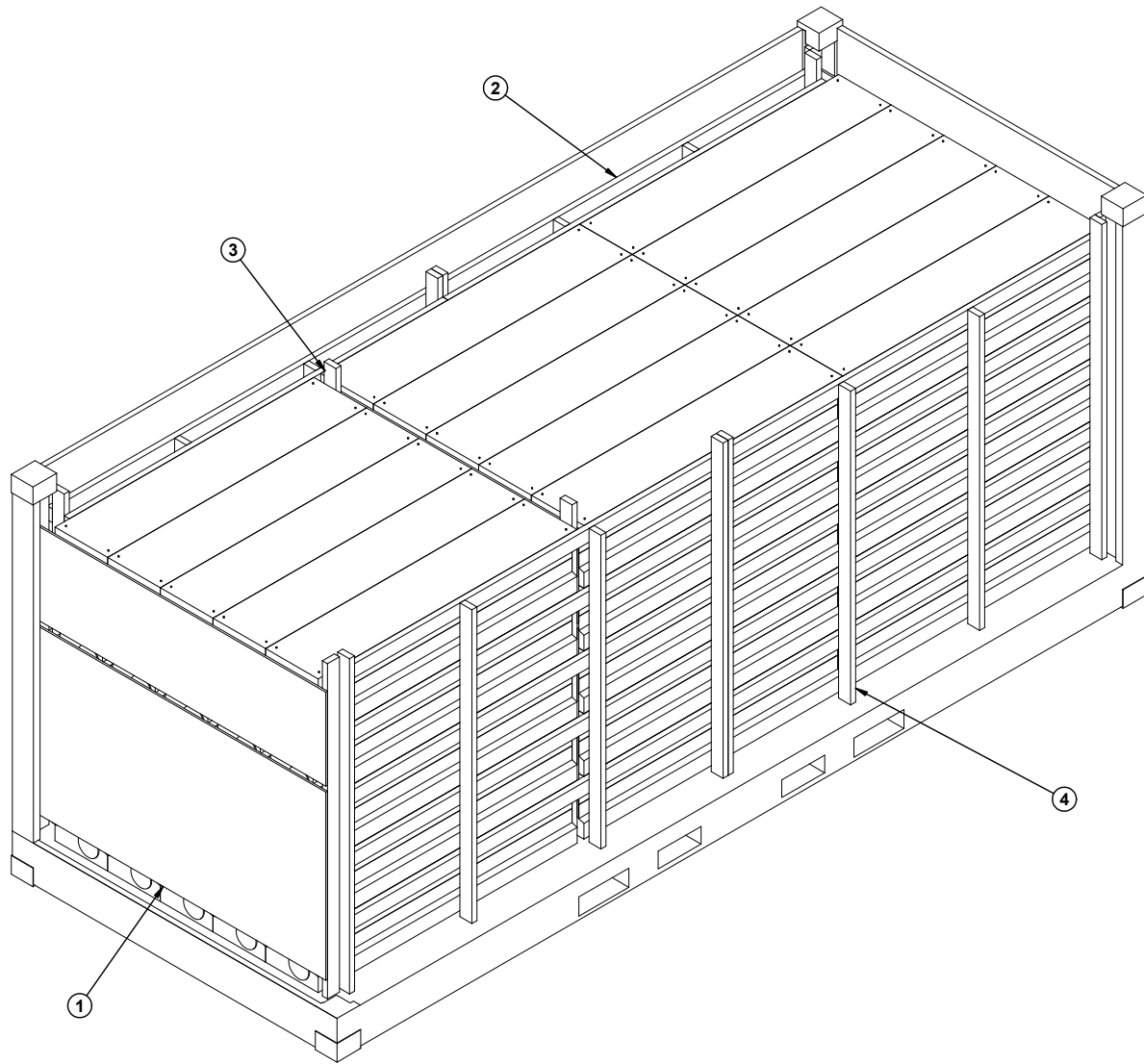
**SIDE FILL ASSEMBLY D**

NOTE: FOR THE LOAD ON PAGE 14, REPLACE  
THE 2" X 6" VERTICALS WITH 2" X 4" PIECES.



**SIDE FILL ASSEMBLY E**

NOTE: FOR THE LOAD ON PAGE 14, REPLACE  
THE 2" X 6" VERTICALS WITH 2" X 4" PIECES.



**ISOMETRIC VIEW**

**KEY NUMBERS**

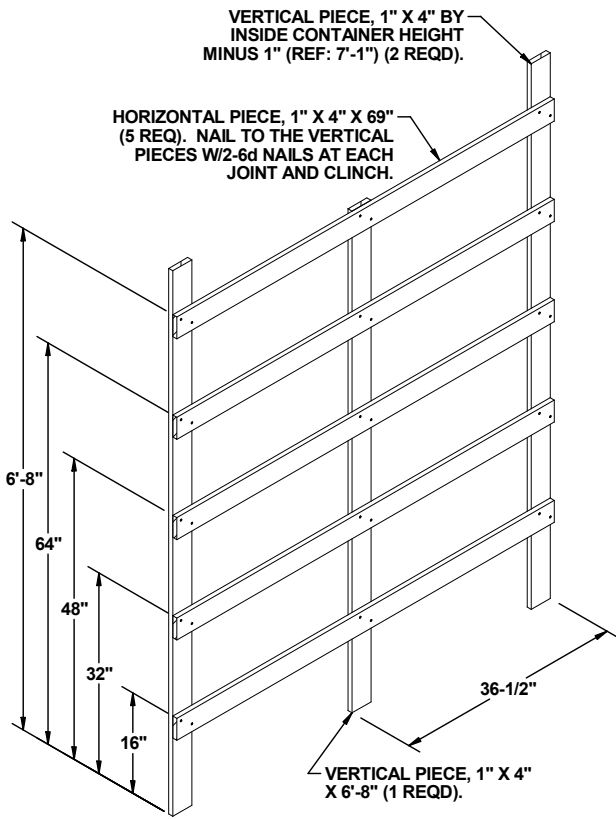
- ① END BLOCKING ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 7.
- ② SIDE FILL ASSEMBLY D (2 REQD). SEE THE DETAIL ON PAGE 13.
- ③ CENTER FILL ASSEMBLY B (1 REQD). SEE THE DETAIL ON PAGE 6.
- ④ SIDE FILL ASSEMBLY E (2 REQD). SEE THE DETAIL ON PAGE 13.

**BILL OF MATERIAL**

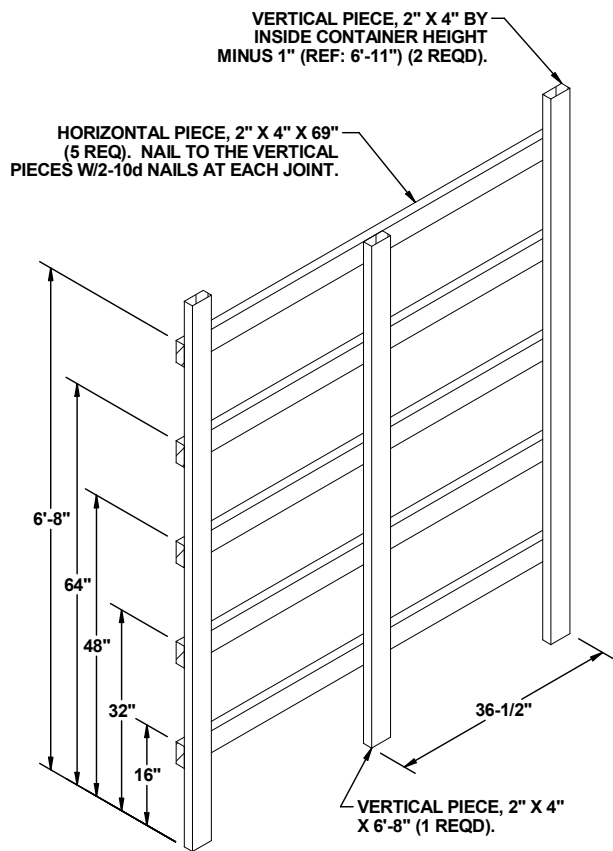
LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	460	307
NAILS	NO. REQD	POUNDS
6d (2")	73	1/2
10d (3")	240	3-3/4
PLYWOOD, 1/2" - - 130.5 SQ FT REQD - -		179.5 LBS

**LOAD AS SHOWN**

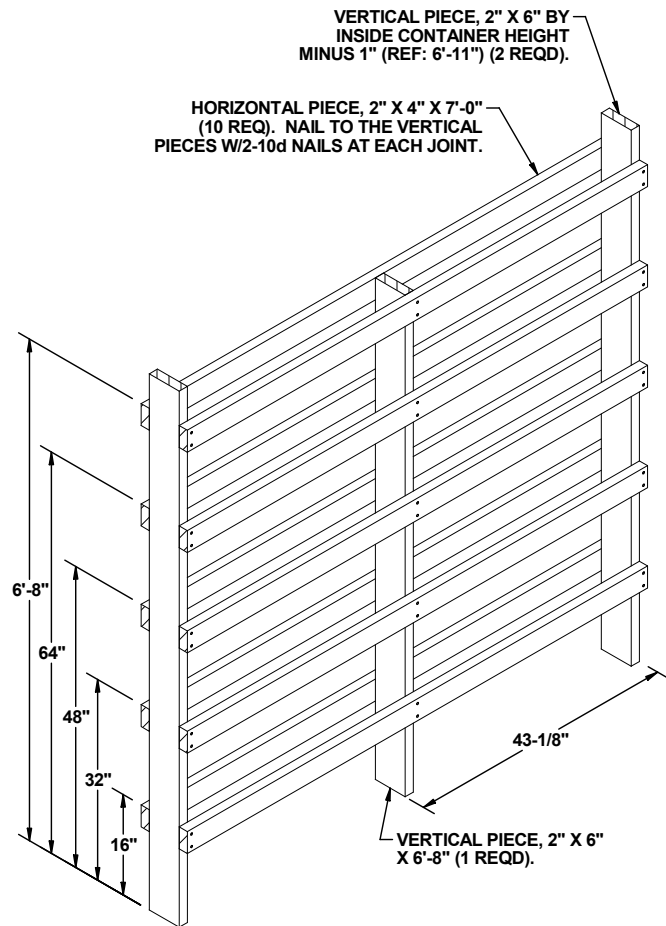
ITEM	QUANTITY	WEIGHT (APPROX)
CONTAINERS - - - - -	75 - - - - -	13,125 LBS
DUNNAGE - - - - -	- - - - -	796 LBS
CONTAINER - - - - -	- - - - -	6,050 LBS
<b>TOTAL WEIGHT - - - - -</b>		<b>19,971 LBS (APPROX)</b>



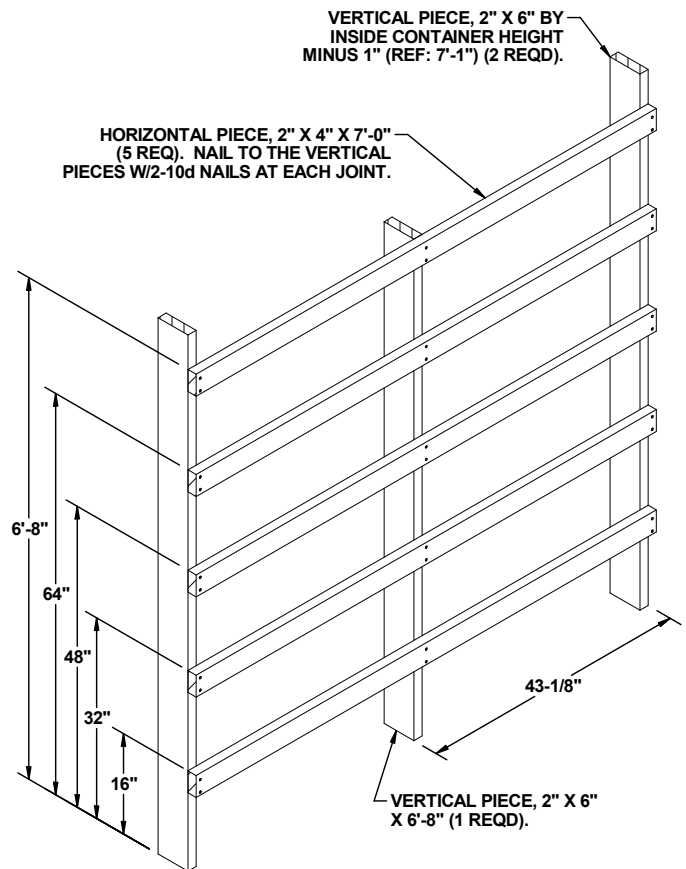
**SIDE FILL ASSEMBLY F**



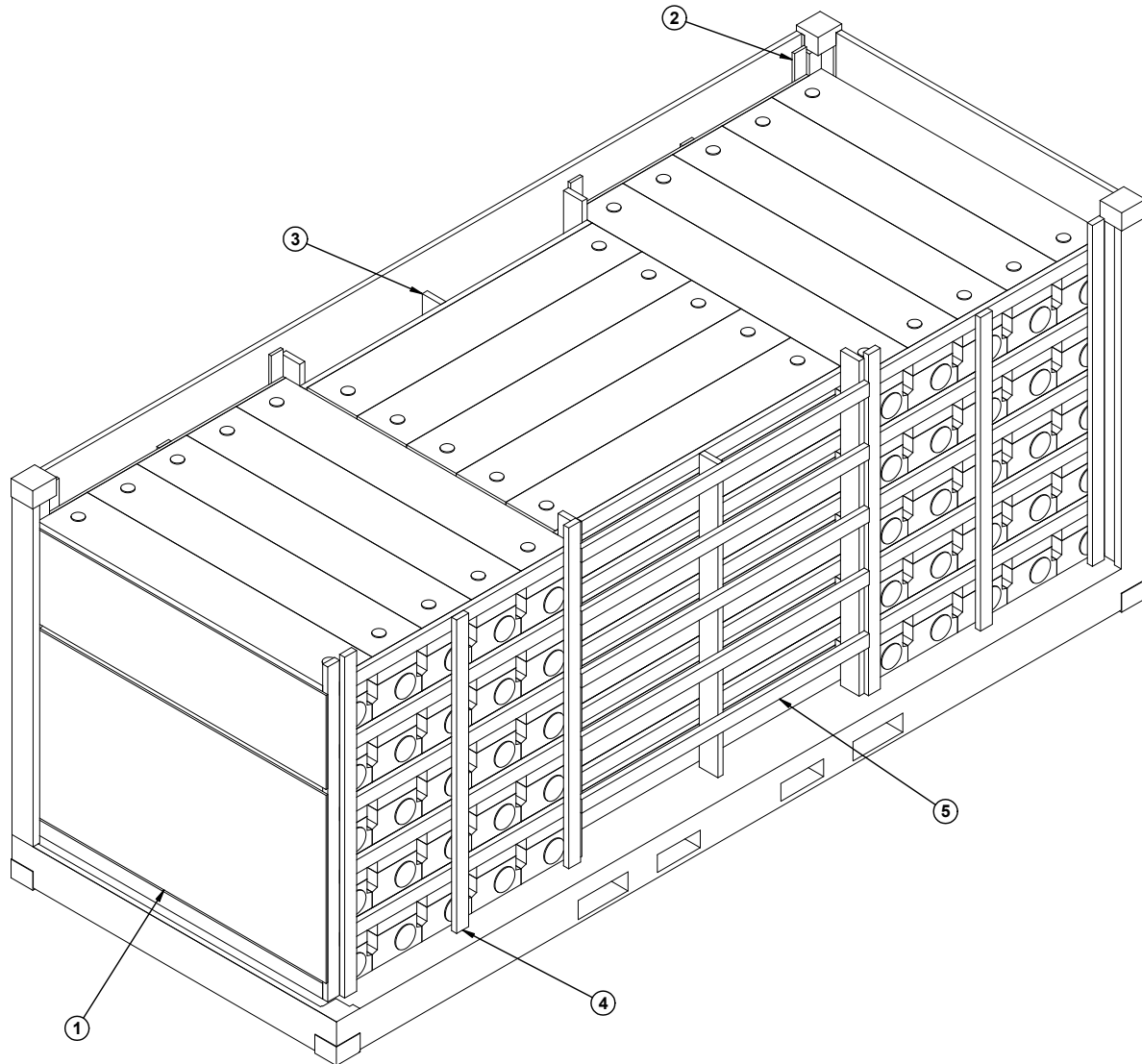
**SIDE FILL ASSEMBLY G**



**SIDE FILL ASSEMBLY H**



**SIDE FILL ASSEMBLY J**



**ISOMETRIC VIEW**

**KEY NUMBERS**

- ① END BLOCKING ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 7.
- ② SIDE FILL ASSEMBLY F (2 REQD). SEE THE DETAIL ON PAGE 15.
- ③ SIDE FILL ASSEMBLY J (1 REQD). SEE THE DETAIL ON PAGE 15.
- ④ SIDE FILL ASSEMBLY G (2 REQD). SEE THE DETAIL ON PAGE 15.
- ⑤ SIDE FILL ASSEMBLY H (2 REQD). SEE THE DETAIL ON PAGE 15.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
1" x 4"	100	34
2" x 4"	235	157
2" x 6"	21	21
NAILS	NO. REQD	POUNDS
6d (2")	92	1/2
10d (3")	150	2-1/2
PLYWOOD, 1/2" - - 87 SQ FT REQD - - - 119.6 LBS		

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
CONTAINERS - - - - -	75 - - - - -	15,225 LBS
DUNNAGE - - - - -	- - - - -	544 LBS
CONTAINER - - - - -	- - - - -	6,050 LBS
<b>TOTAL WEIGHT - - - - -</b>		<b>21,819 LBS (APPROX)</b>