

*J.H. Fleckman*

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# LOADING AND BRACING WITH WOODEN DUNNAGE IN END OPENING ISO CONTAINERS OF BOXED AMMUNITION AND COMPONENTS ON 4-WAY ENTRY PALLETES AND SKID BASES

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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-FLATCAR (T/COFC) RAIL CARRIER SERVICE. THESE SPECIFICATIONS MAY ALSO BE USED FOR LOADS THAT ARE TO BE MOVED BY MOTOR OR WATER CARRIERS.

U.S. ARMY MATERIEL COMMAND DRAWING			
APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND  <i>David E. Hester</i>	DRAFTSMAN	TECHNICIAN	ENGINEER
	B. LEONARD		W. FRERICHS  L. FIEFFER
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND  <i>John L. Byrd Jr.</i>	VALIDATION ENGINEERING DIVISION	TRANSPORTATION ENGINEERING DIVISION	LOGISTICS ENGINEERING OFFICE
		<i>JMR</i>	<i>W. Smith</i> <i>W. Ernst</i>
JULY 1981			
REVISION NO. 1	JUNE 1994	CLASS	DIVISION
SEE THE REVISION LISTING ON PAGE 8		DRAWING	FILE
		19	48
		4153	15PA1002

DO NOT SCALE

**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 OUTLOADING PROCEDURES SPECIFIED IN THIS DRAWING ARE APPLICABLE TO LOADS OF BOXED AMMUNITION AND COMPONENTS ON 4-WAY ENTRY PALLETS AND SKIDDED BASES. SUBSEQUENT REFERENCE TO A PALLET UNIT OR A SKIDDED UNIT HEREIN MEANS THE UNIT WITH AMMUNITION ITEMS. SEE PAGES 3 THRU 6 AND PAGE 9 FOR "TYPICAL UNIT DETAILS". CAUTION: REGARDLESS OF THE QUANTITY OF UNITS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF THE CONTAINER MUST NOT BE EXCEEDED.
- C. THE LOADS AS SHOWN ARE BASED ON 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 (93" CLEAR HEIGHT) AND 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 MOTOR OR WATER CARRIERS. NOTICE: OTHER CONTAINERS OF THE SAME DESIGN CONFIGURATION CAN ALSO BE USED.
- D. WHEN LOADING THE UNITS, 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 SIDE FILL OR CENTER FILL ASSEMBLIES. NAIL EACH ADDITIONAL PIECE TO THE VERTICAL PIECE W/1 APPROPRIATELY SIZED NAIL EVERY 12". ADDITIONALLY, THE THICKNESS AND QUANTITY OF THE DUNNAGE LUMBER USED MAY BE ADJUSTED AS REQUIRED TO FACILITATE VARIANCE IN THE SIZE OF THE LADING UNIT.
- E. DUNNAGE LUMBER SPECIFIED IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 6" MATERIAL IS ACTUALLY 3/4" THICK BY 5-1/2" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE. THOSE MEMBERS SPECIFICALLY IDENTIFIED AS "STRUTS" WITHIN THE KEY NUMBERS OF A DEPICTED LOAD ARE SPECIFIED TO BE 4" X 4" MATERIAL, IT IS PERMISSIBLE TO USE TWO LAMINATED PIECES OF 2" X 4" MATERIAL IN LIEU OF EACH 4" X 4" STRUT. DOUBLED 2" X 4" STRUTS WILL BE LAMINATED W/1-10d NAIL EVERY 6".
- 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, 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 BLOCKING ASSEMBLY TO PROVIDE A FLAT SURFACE FOR THE 1" X 4" OR 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 REQUIRED WHEN THE FRONT WALL OF THE CONTAINER IS SMOOTH AND FLAT.
- H. CAUTION: DO NOT NAIL DUNNAGE MATERIAL TO THE CONTAINER WALLS OR FLOOR. ALL NAILING WILL BE WITHIN THE DUNNAGE.
- J. PORTIONS OF THE CONTAINER DEPICTED WITHIN THIS DRAWING, SUCH AS ONE OF THE SIDEWALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEW FOR CLARITY PURPOSES.
- K. TO MAKE LOADING EASIER, TO HELP ACHIEVE A TIGHT LOAD ACROSS A CONTAINER, AND TO PREVENT UNACCEPTABLE DAMAGE TO LADING UNITS WHEN LOADING A CONTAINER, A SLIP-SHEET CAN BE USED EFFECTIVELY AS A "SHOEHORN" TYPE DEVICE. THE SLIP-SHEET WILL PROVIDE A SMOOTH SURFACE THAT WILL PREVENT UNIT STRAPS AND/OR BOXES AND/OR BOX CLEATS FROM INTERLOCKING OR CATCHING ON OTHER PROJECTIONS WHEN LATERALLY ADJACENT LADING UNITS ARE BEING LOADED. A SLIP-SHEET WILL BE USED AFTER ONE-HALF OF A STACK IS LOADED WITH ONE OF ITS SIDES IN TIGHT CONTACT AT ONE SIDE OF THE CONTAINER. THE SLIP-SHEET IS TO BE PLACED AGAINST THE OTHER SIDE OF THE HALFSTACK BEFORE THE HALF OF THE STACK IS LOADED. AFTER A STACK IS COMPLETED, THE SLIP-SHEET IS TO BE REMOVED FOR SUBSEQUENT USE WITH THE NEXT STACK. A SLIP-SHEET OF SUITABLE SIZE CAN BE MADE FROM A SHEET OF 1/8" TEMPERED HARDBOARD (MASONITE) OR FROM A SHEET OF ANY OTHER MATERIAL THAT WILL SATISFY THE REQUIREMENT.

(CONTINUED AT RIGHT)

- L. 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 25.4 MM AND ONE POUND EQUALS 0.454 KG.
- M. 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:
  - 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.
- 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. THE QUANTITY OF LADING UNITS SHOWN IN THE LOADS MAY BE REDUCED FOR SHIPMENT, IF DESIRED. SEE THE "TYPICAL REDUCED LOAD" ON PAGE 81. WHEN A CONTAINER IS TO BE 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.
  - 1. IF A LOAD IS REDUCED BY ONLY A SMALL AMOUNT (ONE OR TWO LADING UNITS), LADING UNITS NORMALLY MAY BE ELIMINATED FROM THE CENTER OF THE LOAD.
  - 2. IF A LOAD IS REDUCED BY A LARGE AMOUNT (MORE THAN TWO LADING UNITS), LADING UNITS SHOULD BE ELIMINATED AS REQUIRED AND THE TOTAL LOAD SHIFTED FORE OR AFT, AS NECESSARY, TO ACHIEVE A SYMMETRICAL WEIGHT DISTRIBUTION. THE DEPICTED PROCEDURES WILL BE FOLLOWED AS CLOSELY AS POSSIBLE, MAKING ONLY THOSE ADJUSTMENTS TO THE DUNNAGE WHICH ARE REQUIRED TO ACCOMMODATE THE NUMBER OF UNITS TO BE SHIPPED.
- P. FILL MATERIAL HEIGHT MUST BE EITHER INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-10") OR THE HEIGHT OF THE TOP BOX BEAM OR BEAM ASSEMBLY IN THE REAR BLOCKING ASSEMBLY PLUS 6", WHICHEVER IS LESS.
- Q. TWO TOP SPACER ASSEMBLIES ARE REQUIRED WHENEVER THE LENGTH OR WIDTH DIMENSION OF THE LADING UNITS TO BE BRACED, PARALLEL TO THE CONTAINER WALL, EXCEEDS 48". TWO TOP SPACERS ARE ALSO REQUIRED IF THE LADING UNIT TO BE BRACED IS NOT SECURED WITH STRAPPING IN THE DIRECTION WHICH IS PARALLEL TO THE CONTAINER SIDEWALL.

(CONTINUED ON PAGE 3)

**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.
- STRAPPING, STEEL - - : ASTM D3953; FLAT STRAPPING, TYPE 1, HEAVY DUTY, FINISH A, B (GRADE 2), OR C.
- SEAL, STRAP - - - - : ASTM D3953; CLASS H, FINISH A, B (GRADE 2), OR C, DOUBLE NOTCH TYPE, STYLE I, II, OR IV.
- WIRE, CARBON STEEL - : ASTM A853; ANNEALED AT FINISH, BLACK OXIDE FINISH, .0800" DIA, GRADE 1006 OR BETTER.
- FIBERBOARD - - - - - : FED SPEC PPP-F-320; TYPE SF (SOLID FIBERBOARD), CLASS DOMESTIC, ALL GRADES.

(GENERAL NOTES CONTINUED FROM PAGE 2)

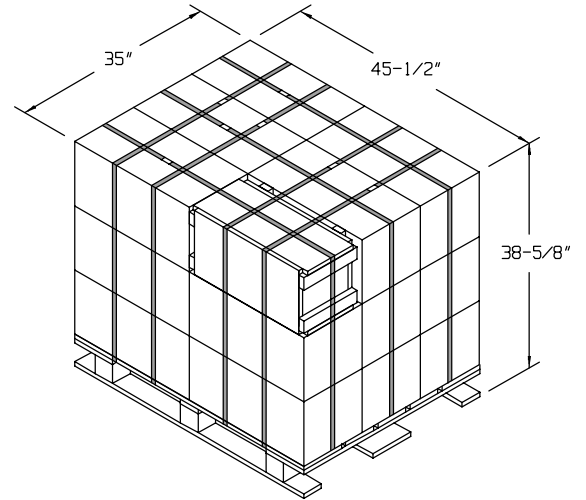
R. WHEN STEEL STRAPPING IS SEALED AT AN END-OVER-END LAP JOINT, A MINIMUM OF ONE SEAL WITH TWO PAIR OF NOTCHES WILL BE USED TO SEAL THE JOINT WHEN A NOTCH-TYPE SEALER IS BEING USED. A MINIMUM OF TWO SEALS, BUTTED TOGETHER WITH TWO PAIR OF CRIMPS PER SEAL WILL BE USED TO SEAL THE JOINT WHEN A CRIMP-TYPE SEALER IS BEING USED. REFER TO THE "STRAP JOINT A" AND "STRAP JOINT B" DETAILS ON PAGE 8 FOR GUIDANCE.

S. 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.

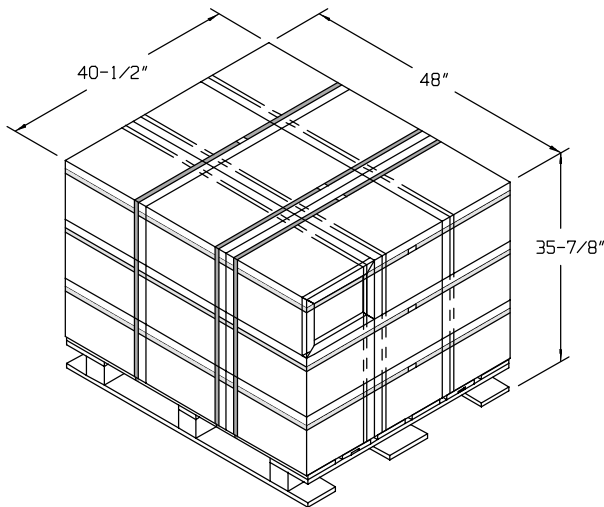
T. THE 4" X 4" STRUTS DEPICTED IN LOADS WITHIN THIS DRAWING ARE CAPABLE OF SUPPORTING 3,000 POUNDS EACH. FOR EXAMPLE, IF A LOAD OF EIGHT PALLET UNITS IS STRUTTED AT THE REAR OF THE CONTAINER, AND EACH PALLET UNIT WEIGHS 3,000 POUNDS, EIGHT STRUTS ARE REQUIRED, 24,000 POUNDS, DIVIDED BY 3,000 EQUATES TO EIGHT STRUTS. DOUBLED 2" X 4" STRUTS WILL SUPPORT 2,500 POUNDS EACH. THE QUANTITY OF STRUTS REQUIRED IS NOT SOLELY DETERMINED BY THE WEIGHT OF THE LOAD. THE LADING UNITS MUST BE FULLY SUPPORTED AND BLOCKED ONLY AGAINST SECTIONS THAT ARE STRONG ENOUGH TO SUPPORT THE FULL LOAD, FOR EXAMPLE, DO NOT BLOCK AGAINST THE MIDDLE OF A WIREBOUND BOX.

U. LOAD-BLOCKING STRUTS WHICH ARE 48" OR LONGER MUST BE STIFFENED BY THE APPLICATION OF HORIZONTAL AND VERTICAL STRUT BRACING AS SHOWN IN THE "STRUT BRACING DETAIL" ON PAGE 73. BRACING IS NOT REQUIRED IF THE STRUTS FOR THE LOAD BEING SHIPPED ARE SHORTER THAN 48". THE LENGTH OF THE LOAD-BLOCKING STRUTS SHOULD BE KEPT AS SHORT AS POSSIBLE (APPROX 12" MINIMUM), BUT IN THE EVENT IT IS NECESSARY TO USE STRUTS WHICH ARE 8'-0" OR MORE IN LENGTH, IT WILL BE NECESSARY TO APPLY AN ADDITIONAL SET OF HORIZONTAL AND VERTICAL STRUT BRACING PIECES. STRUT BRACING SHOULD BE APPLIED SO AS TO PROVIDE NEARLY EQUAL SPACES BETWEEN THE BRACING PIECES AND THE DUNNAGE ASSEMBLIES AND/OR BETWEEN ADJACENT STRUT BRACING PIECES. NOTE THAT HORIZONTAL STRUT BRACING PIECES FOR THE UPPER LEVEL OF STRUTS FOR ALL BUT THE UPPERMOST TIER OF A LOAD MAY BE DIFFICULT TO APPLY TO THE TOP SURFACES OF THE STRUT AS DEPICTED. STRUT BRACING WILL BE EQUALLY EFFECTIVE IF APPLIED TO THE UNDER SIDE OF THOSE STRUTS.



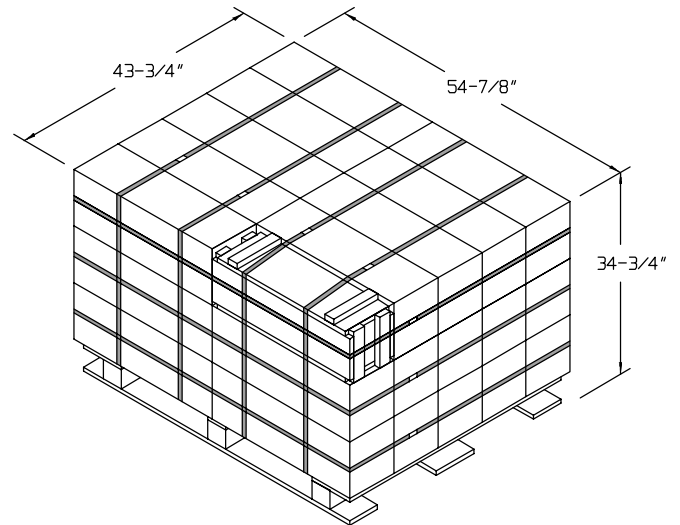
**PALLET UNIT NO. 2**

UNIT WEIGHT - - - - - 1,224 POUNDS (APPROX)  
 CUBE - - - - - 35.6 CUBIC FEET



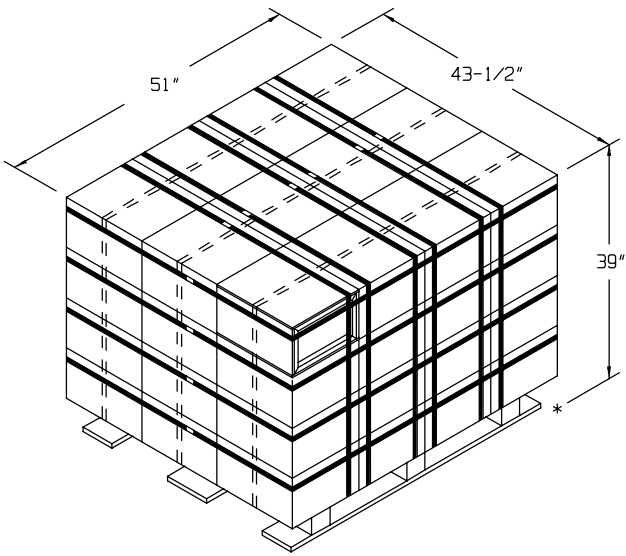
**PALLET UNIT NO. 1**

UNIT WEIGHT - - - - - 1,518 POUNDS (APPROX)  
 CUBE - - - - - 40.4 CUBIC FEET



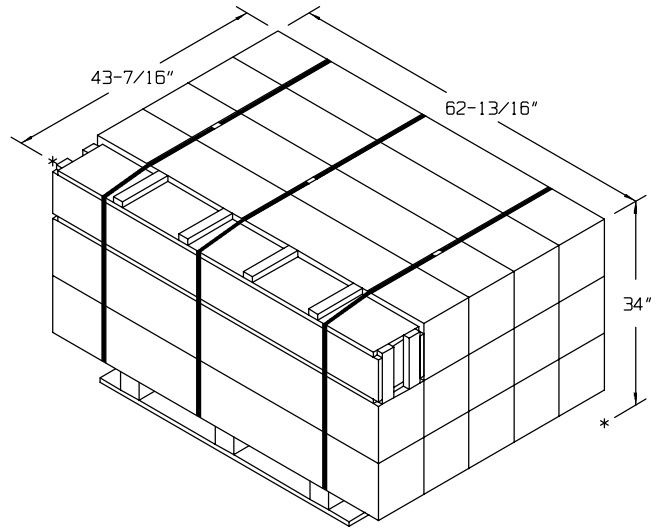
**PALLET UNIT NO. 3**

UNIT WEIGHT - - - - - 1,868 POUNDS (APPROX)  
 CUBE - - - - - 48.3 CUBIC FEET



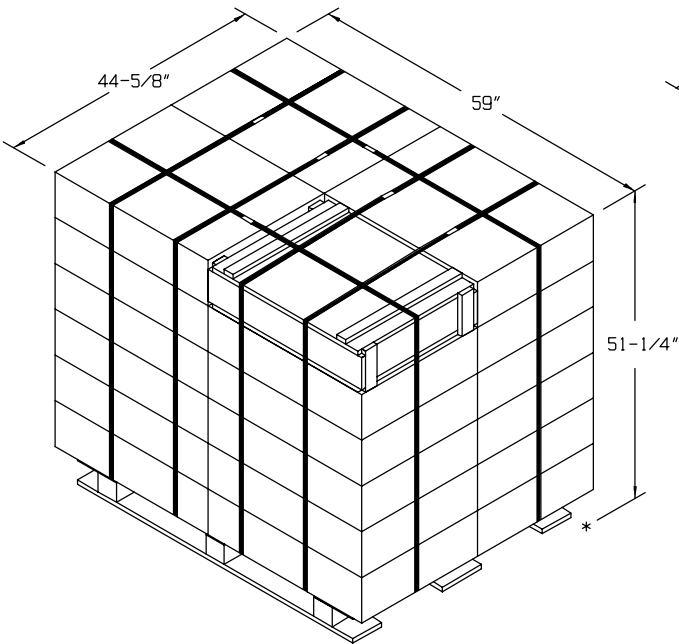
**PALLET UNIT NO. 4**

UNIT WEIGHT - - - - - 2,729 POUNDS (APPROX)  
 CUBE - - - - - 50.1 CUBIC FEET



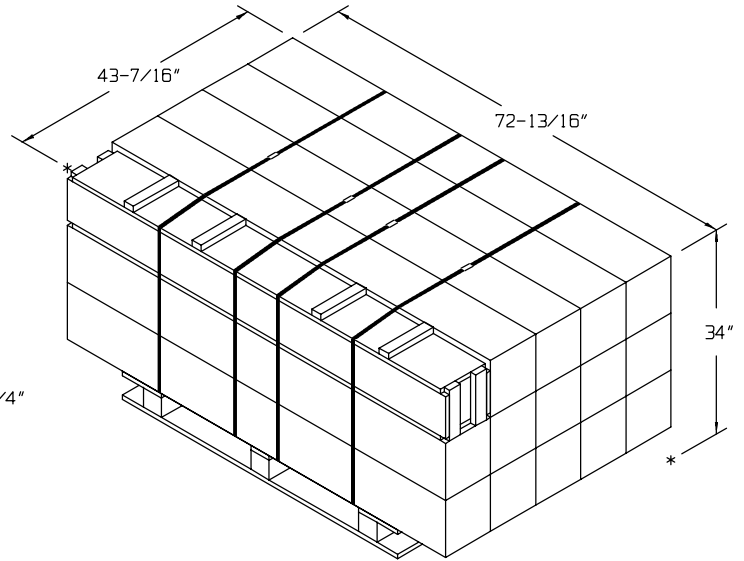
**PALLET UNIT NO. 5**

UNIT WEIGHT - - - - - 1,988 POUNDS (APPROX)  
 CUBE - - - - - 53.7 CUBIC FEET



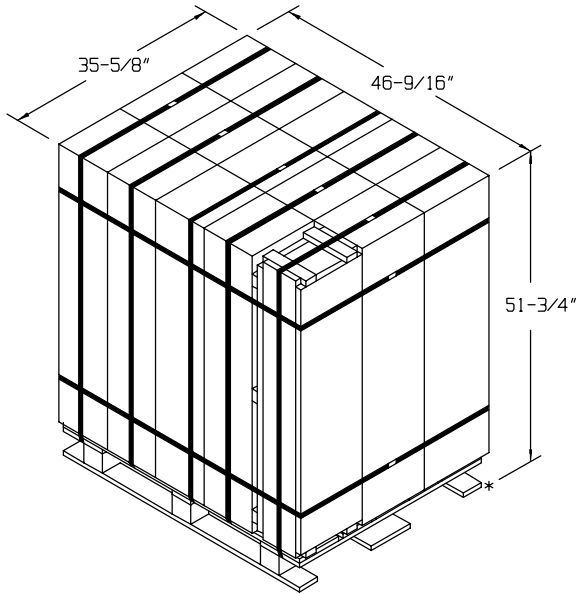
**PALLET UNIT NO. 6**

UNIT WEIGHT - - - - - 2,330 POUNDS (APPROX)  
 CUBE - - - - - 78.1 CUBIC FEET



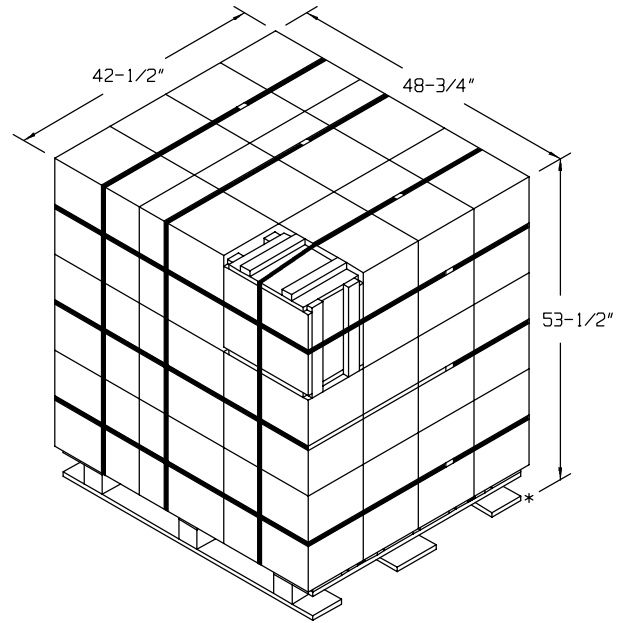
**PALLET UNIT NO. 7**

UNIT WEIGHT - - - - - 2,524 POUNDS (APPROX)  
 CUBE - - - - - 62.2 CUBIC FEET



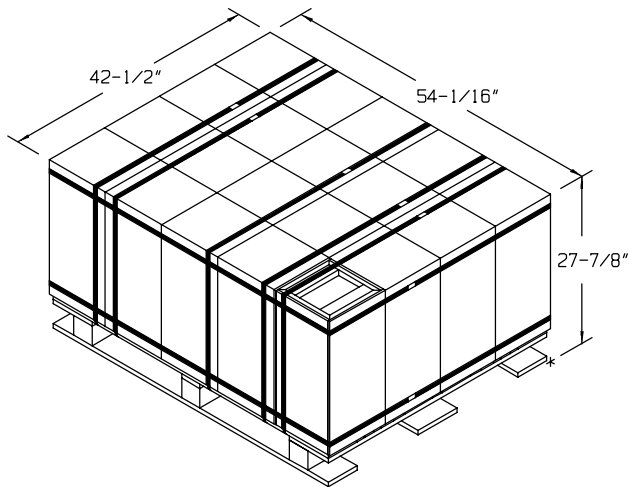
**PALLET UNIT NO. 8**

UNIT WEIGHT - - - - - 2,188 POUNDS (APPROX)  
 CUBE - - - - - 49.7 CUBIC FEET



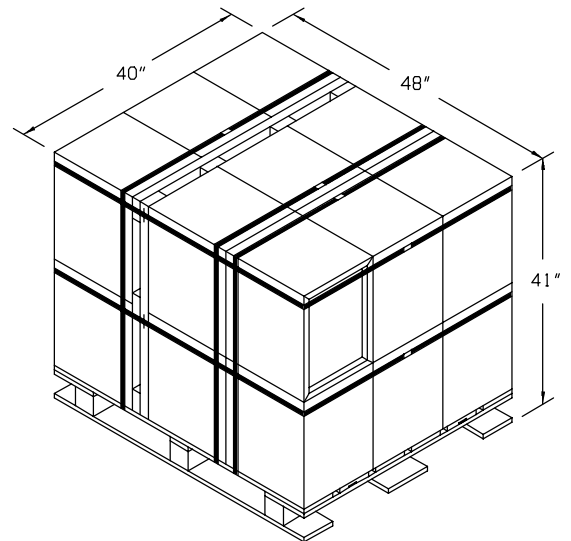
**PALLET UNIT NO. 9**

UNIT WEIGHT - - - - - 2,679 POUNDS (APPROX)  
 CUBE - - - - - 64.2 CUBIC FEET



**PALLET UNIT NO. 10**

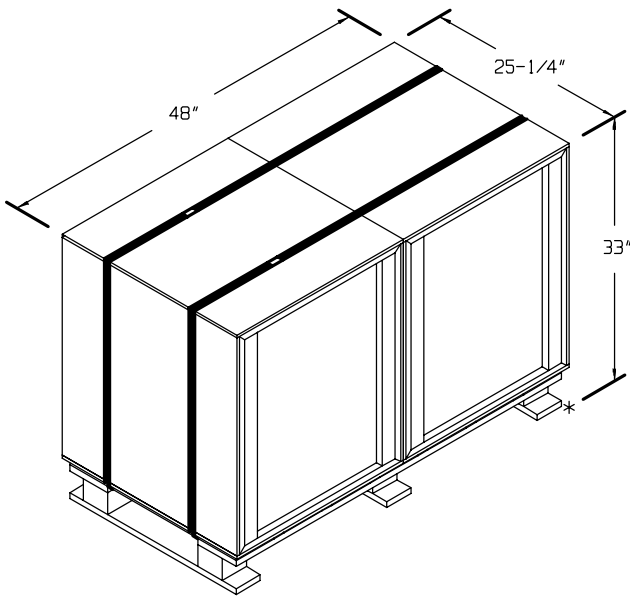
UNIT WEIGHT - - - - - 1,377 POUNDS (APPROX)  
 CUBE - - - - - 37.1 CUBIC FEET



**PALLET UNIT NO. 11**

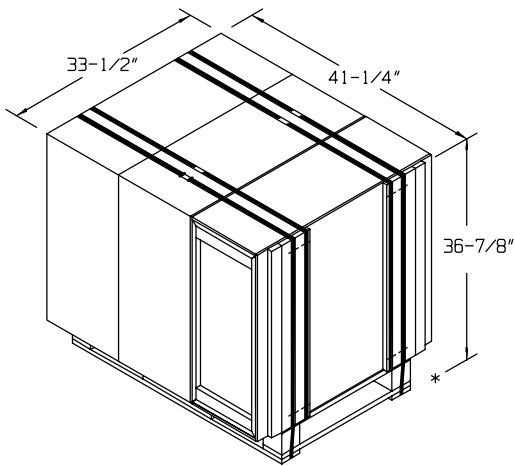
UNIT WEIGHT - - - - - 2,051 POUNDS (APPROX)  
 CUBE - - - - - 45.6 CUBIC FEET

SPECIAL NOTES:



**SKIDDED UNIT NO. 1**

UNIT WEIGHT - - - - - 294 POUNDS (APPROX)  
 CUBE - - - - - 23.1 CUBIC FEET



**SKIDDED UNIT NO. 2**

UNIT WEIGHT - - - - - 480 POUNDS (APPROX)  
 CUBE - - - - - 29.5 CUBIC FEET

1. THE FOLLOWING SPECIAL NOTES AND THE FIVE CHARTS ON PAGE 7 ARE PRESENTED AS GUIDANCE IN THE SELECTION OF A LOAD PATTERN, AND IN DETERMINING THE QUANTITY OF UNITS WHICH CAN BE LOADED IN A 20' LONG BY 8' WIDE BY 8'-6" HIGH END OPENING ISO CONTAINER, BASED ON THE SIZE AND WEIGHT OF THE PALLETIZED OR SKIDDED UNIT TO BE LOADED.
2. CHART NO. 1 MAY BE USED IN SELECTING A LOAD PATTERN FOR THE WIDTH OF THE CONTAINER WHICH IS TO BE LOADED. THE LOAD PATTERN WILL BE BASED EITHER ON THE UNIT LENGTH ACROSS THE CONTAINER OR ON THE UNIT WIDTH ACROSS THE CONTAINER, DEPENDENT UPON THE LENGTH OR WIDTH DIMENSIONS OF THE UNIT TO BE LOADED. UNIT SIZE RANGES AND LOAD PATTERNS FOR A 92" INSIDE WIDTH CONTAINER ARE GIVEN. CONTAINERS OF OTHER WIDTHS MAY BE USED, HOWEVER, THE SIZE RANGE OF THE UNITS WHICH CAN BE LOADED IN THE TWO LOAD PATTERNS WILL HAVE TO BE CALCULATED. THE SMALLER FIGURE SHOWN FOR UNIT SIZE RANGE IS BASED ON THE MINIMUM UNIT LENGTH OR WIDTH, AS APPLICABLE, AND THE LARGER FIGURE IS CALCULATED ON THERE BEING AT LEAST 1" EXCESS LATERAL SPACE REMAINING IN THE CONTAINER AFTER THE UNITS ARE POSITIONED.
3. CHART NO. 2 MAY BE USED IN DETERMINING THE QUANTITY OF UNITS WHICH CAN BE POSITIONED WITHIN ONE ROW IN THE LENGTH OF THE CONTAINER. THE UNIT SIZE RANGE FOR A 20' CONTAINER IS BASED ON THE INSIDE LENGTH OF THE CONTAINER BEING 19'-4" LONG AND ALSO ON A REQUIRED TOTAL INSIDE BLOCKING THICKNESS AVERAGING BETWEEN 14-1/2" AND 25".
4. CHART NO. 3 MAY BE USED IN DETERMINING THE NUMBER OF TIERS WHICH CAN BE LOADED IN A CONTAINER, BASED ONLY UPON THE HEIGHT OF THE UNIT. THE INSIDE HEIGHT OF AN 8'-6" CONTAINER IS 93". THE HEIGHT RANGE OF THE UNITS SPECIFIED ALLOWS AT LEAST 1/2" CLEARANCE AT THE ROOF. NO ALLOWANCE HAS BEEN MADE FOR DOOR OPENING HEIGHT CLEARANCE. FOR LOADS WHICH ARE OF SUCH A HEIGHT AS TO EXTEND TO WITHIN 3" OR 4" OF THE ROOF, IT MAY NOT BE POSSIBLE TO PLACE THE TOP UNITS IN THE REARMOST LOAD BAY. SEE THE "TYPICAL REDUCED LOAD" ON PAGE 81 FOR GUIDANCE. THE ACTUAL NUMBER OF TIERS WHICH CAN BE LOADED WILL BE BASED ON SEVERAL FACTORS SUCH AS THE WEIGHT OF THE UNITS AND THE QUANTITY THAT IS TO BE SHIPPED.
5. CHART NO. 4 MAY BE USED AS GUIDANCE IN DETERMINING THE QUANTITY OF UNITS WHICH CAN BE LOADED IN A CONTAINER, BASED ONLY UPON THE WEIGHT OF THE UNIT. THE "UNIT WEIGHT IN LBS" COLUMN SPECIFIES WEIGHTS RANGING FROM 250 POUNDS, THE APPROXIMATE MINIMUM, TO 4,000 POUNDS, THE MAXIMUM WEIGHT ALLOWABLE IN A PALLET UNIT. THE QUANTITY REQUIRED TO MAKE A SPECIFIED LOAD WEIGHT FOR A UNIT WHICH WEIGHS SOMEWHERE BETWEEN THE FIGURES GIVEN WILL HAVE TO BE CALCULATED BASED ON THE MAXIMUM LADING WEIGHT RESTRICTION FOR THE CONTAINER TO BE LOADED. FOR EXAMPLE, A TOTAL LOAD OF 22 PALLETIZED OR SKIDDED UNITS WEIGHING 2,000 POUNDS EACH CAN BE LOADED IN A CONTAINER WITHOUT EXCEEDING A 52,910 POUND CONTAINER GROSS WEIGHT LIMITATION.
6. CHART NO. 5 MAY BE USED AS GUIDANCE IN DETERMINING THE NUMBER AND CONFIGURATION OF THE BOX BEAM ASSEMBLIES REQUIRED TO FABRICATE THE FORWARD/REAR BLOCKING ASSEMBLIES FOR A SPECIFIED CONTAINER LOAD WEIGHT. THE BOX BEAM ASSEMBLIES WILL BE ARRANGED IN SUCH A MANNER SO AS TO PROVIDE MAXIMUM SUPPORT FOR EACH TIER BEING BLOCKED. ADDITIONALLY, THE BEAM ASSEMBLIES WILL BE ARRANGED IN A SYMMETRICAL PATTERN FOR EACH TIER. A MINIMUM OF TWO BOX BEAM ASSEMBLIES ARE REQUIRED PER TIER OF LADING, UNLESS THE PALLETIZED OR SKIDDED UNIT BEING LOADED IS CONFIGURED AS A TWO OR ONE BOX HIGH UNIT, IN WHICH CASE ONE BOX BEAM MAY BE USED PER TIER OF LADING, PROVIDING EACH LAYER OF BOXES IS IN CONTACT WITH A BOX BEAM.
7. CHART NO. 6 MAY BE USED AS GUIDANCE IN DETERMINING THE COMBINATIONS OF LENGTHS AND WIDTHS WHICH ARE ACCEPTABLE FOR CHIMNEY-PATTERN LOADS.
8. WHENEVER THE GROSS WEIGHT OF THE LADING BEING LOADED IN A CONTAINER EXCEEDS 28,000 POUNDS AND THE TOTAL HEIGHT OF THE LOAD IS LESS THAN 70", ADDITIONAL SIDEWALL STRENGTHENING MUST BE PROVIDED. THIS ADDITIONAL SIDEWALL STRENGTHENING IS USUALLY PROVIDED IN THE FORM SIDE FILL ASSEMBLIES. FOR ADDITIONAL GUIDANCE, SEE THE SIDE FILL ASSEMBLIES ON PAGES 22, 31, 34, 38, 42, 51, 58, 62 AND 70. WHENEVER THE GROSS WEIGHT OF THE LADING IS LESS THAN 28,000 POUNDS, OR WHEN THE HEIGHT OF THE LADING IS AT LEAST 70", AND THERE IS MORE THAN 1-1/2" OF UNBLOCKED SPACE ACROSS THE WIDTH OF THE LOAD BAY, THIS UNBLOCKED SPACE MUST BE FILLED OUT EITHER BY PLACING SIDE FILL ASSEMBLIES AT THE SIDES OF THE LOAD OR ANTI-SWAY BRACING OR CENTER FILL ASSEMBLIES IN THE CENTER OF THE LOAD. FOR ADDITIONAL GUIDANCE, SEE THE ANTI-SWAY BRACING ASSEMBLIES ON PAGES 72 AND 73 AND THE CENTER FILL ASSEMBLIES ON PAGE 18, 26 AND 46. WHENEVER THE GROSS WEIGHT OF THE LADING IS LESS THAN 28,000 POUNDS OR THE LOAD IS AT LEAST 70" TALL, AND THE UNBLOCKED SPACE ACROSS THE WIDTH OF THE LOAD BAY IS 1-1/2" OR LESS, NEITHER SIDE BLOCKING NOR CENTER BLOCKING WILL BE REQUIRED.

CHART NO. 1				
UNITS IN WIDTH OF 92" INSIDE WIDTH CONTAINER				
LOAD PATTERN	UNIT SIZE RANGE			
	PALLETIZED OR SKIDDED UNITS (LENGTH ACROSS CONTAINER)		PALLETIZED OR SKIDDED UNITS (WIDTH ACROSS CONTAINER)	
	UNIT LENGTH	LOAD PAGE	UNIT WIDTH	LOAD PAGE
2-WIDE	25" - 45-1/2"	10, 16, 20, 24, 28, 32, 40, 44, 56	27" - 45-1/2"	14
3-WIDE	25" - 30-1/2"	—————	27" - 30-1/2"	52

CHART NO. 4	
MAXIMUM NUMBER OF UNITS PER CONTAINER BY WEIGHT	
NO. OF UNITS (52,910 LB LADING LIMIT)	UNIT WEIGHT IN LBS
184	250
153	300
115	400
92	500
76	600
65	700
57	800
51	900
46	1,000
41	1,100
38	1,200
35	1,300
32	1,400
30	1,500
28	1,600
27	1,700
25	1,800
24	1,900
23	2,000
21	2,100
20	2,200
19	2,400
18	2,500
17	2,600
16	2,800
15	2,900
14	3,100
13	3,300
12	3,600
11	3,900
10	4,200

CHART NO. 3	
TIERS IN HEIGHT OF 93" INSIDE HEIGHT CONTAINER	
NUMBER OF TIERS	UNIT HEIGHT RANGE
3	23-1/4" - 30-3/4"
2	31" - 46-1/4"
1	OVER 46-1/4"

CHART NO. 2	
UNITS IN LENGTH OF 232" INSIDE LENGTH CONTAINER	
NUMBER OF UNITS LONG	UNIT SIZE RANGE
8	25" - 27"
7	27-1/4" - 31"
6	31-1/4" - 36-1/4"
5	36-1/2" - 43-1/2"
4	43-3/4" - 54-1/4"
3	54-1/2" - 72-1/2"

NOTE ▲ :

A BOX BEAM ASSEMBLY CONSISTS OF TWO PIECES OF PLYWOOD AND TWO OR THREE PIECES OF NOMINAL LUMBER. EACH FORWARD/REAR BLOCKING ASSEMBLY CONSISTS OF TWO BUFFER PIECES NAILED TO THE QUANTITY OF BOX BEAM ASSEMBLIES OUTLINED IN "CHART 5" BELOW. SEE ALSO THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. THE BOX BEAM CONFIGURATIONS IN "CHART 5" ARE AS FOLLOWS:

- CONFIGURATION A - TWO 2" X 4" BEAMS AND 1/2" X 9-1/2" PLYWOOD. SEE "FORWARD/REAR BLOCKING ASSEMBLY A" ON PAGE 13 FOR AN EXAMPLE.
- CONFIGURATION B - TWO 2" X 4" BEAMS AND 3/4" X 9-1/2" PLYWOOD. SEE "FORWARD/REAR BLOCKING ASSEMBLY C" ON PAGE 19 FOR AN EXAMPLE.
- CONFIGURATION C - TWO 2" X 6" BEAMS AND 1/2" X 9-1/2" PLYWOOD. SEE "FORWARD/REAR BLOCKING ASSEMBLY F" ON PAGE 30 FOR AN EXAMPLE.
- CONFIGURATION D - TWO 2" X 6" BEAMS AND 3/4" X 9-1/2" PLYWOOD. CONSTRUCT SIMILAR TO CONFIGURATION C, EXCEPT USE 3/4" PLYWOOD.
- CONFIGURATION E - THREE 2" X 4" BEAMS AND 1/2" X 11-1/2" PLYWOOD. CONSTRUCT SIMILAR TO CONFIGURATION F, EXCEPT USE 1/2" PLYWOOD.
- CONFIGURATION F - THREE 2" X 4" BEAMS AND 3/4" X 11-1/2" PLYWOOD. SEE "FORWARD/REAR BLOCKING ASSEMBLY H" ON PAGE 39 FOR AN EXAMPLE.
- CONFIGURATION G - THREE 2" X 6" BEAMS AND 1/2" X 11-1/2" PLYWOOD. CONSTRUCT SIMILAR TO CONFIGURATION E, EXCEPT USE 2" X 6" LUMBER.
- CONFIGURATION H - THREE 2" X 6" BEAMS AND 3/4" X 11-1/2" PLYWOOD. CONSTRUCT SIMILAR TO CONFIGURATION F, EXCEPT USE 2" X 6" LUMBER.

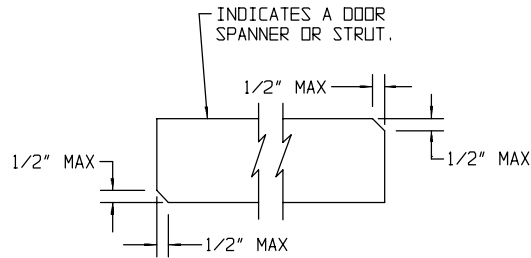
CHART NO. 5								
REQUIRED BOX BEAM ASSEMBLIES FOR FORWARD/REAR BLOCKING ASSEMBLY								
CONFIGURATION OF BOX BEAM ASSEMBLY (SEE NOTE ▲ ABOVE)	MAXIMUM LOAD WEIGHT IN POUNDS							
	NO. OF BOX BEAM ASSEMBLIES PER FORWARD/REAR BLOCKING ASSEMBLY							
	1	2	3	4	5	6	7	8
A	6,325	12,650	18,975	25,300	31,625	37,950	44,275	50,600
B	8,815	17,630	26,445	35,260	44,075	52,890		
C	11,400	22,800	34,200	45,600	57,000			
D	15,085	30,170	45,255	60,340				
E	8,060	16,120	24,180	32,240	40,300	48,360	56,420	
F	11,030	22,060	33,090	44,120	55,150			
G	14,875	29,750	44,625	59,500				
H	19,260	38,520	57,780					

CHART NO. 6	
CONTAINER WIDTH 92" (INSIDE DIMENSION)	
UNIT LENGTH OR WIDTH	PALLETIZED OR SKIDDED UNIT LENGTH/WIDTH COMBINATIONS MINIMUM TO MAXIMUM UNIT WIDTH
45"	36" - 46"
44"	37" - 47"
43"	38" - 48"
42"	39" - 49"
41"	40" - 50"
40"	41" - 51"
39"	42" - 52"
38"	43" - 53"
37"	44" - 54"
36"	45" - 55"
35"	46" - 56"
34"	47" - 57"
33"	48" - 58"
32"	49" - 59"
31"	50" - 60"
30"	51" - 61"
29"	52" - 62"
28"	53" - 63"
27"	54" - 64"

## REVISION

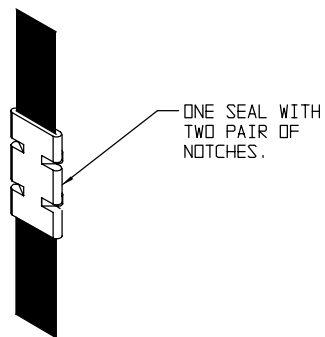
REVISION NO. 1, DATED JUNE 1994, CONSIST OF:

UPDATING DRAWING FORMAT AND STREAMLINING  
DUNNAGING METHODS.



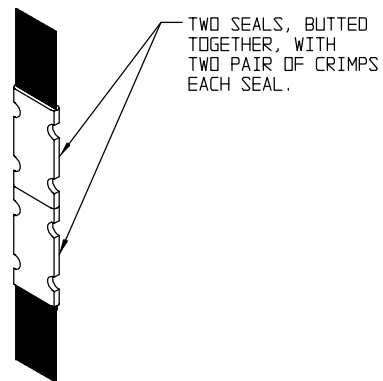
### BEVEL-CUT

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



### STRAP JOINT A

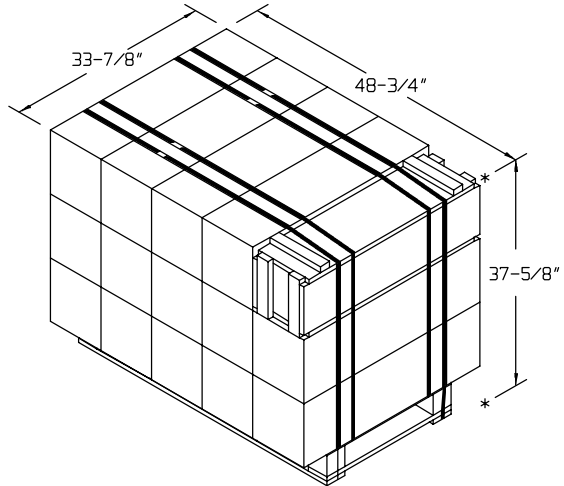
METHOD OF SECURING A  
STRAP JOINT WHEN USING  
A NOTCH-TYPE SEALER.



### STRAP JOINT B

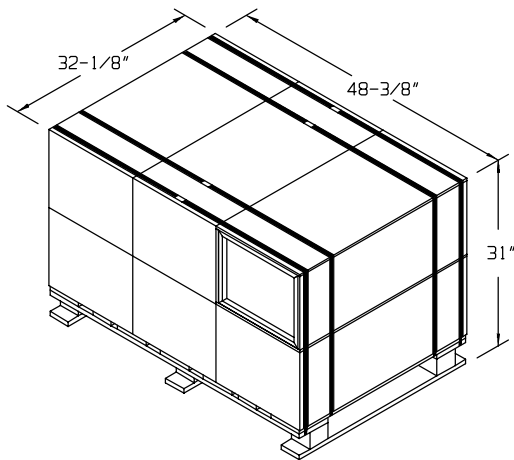
METHOD OF SECURING A  
STRAP JOINT WHEN USING  
A CRIMP-TYPE SEALER.





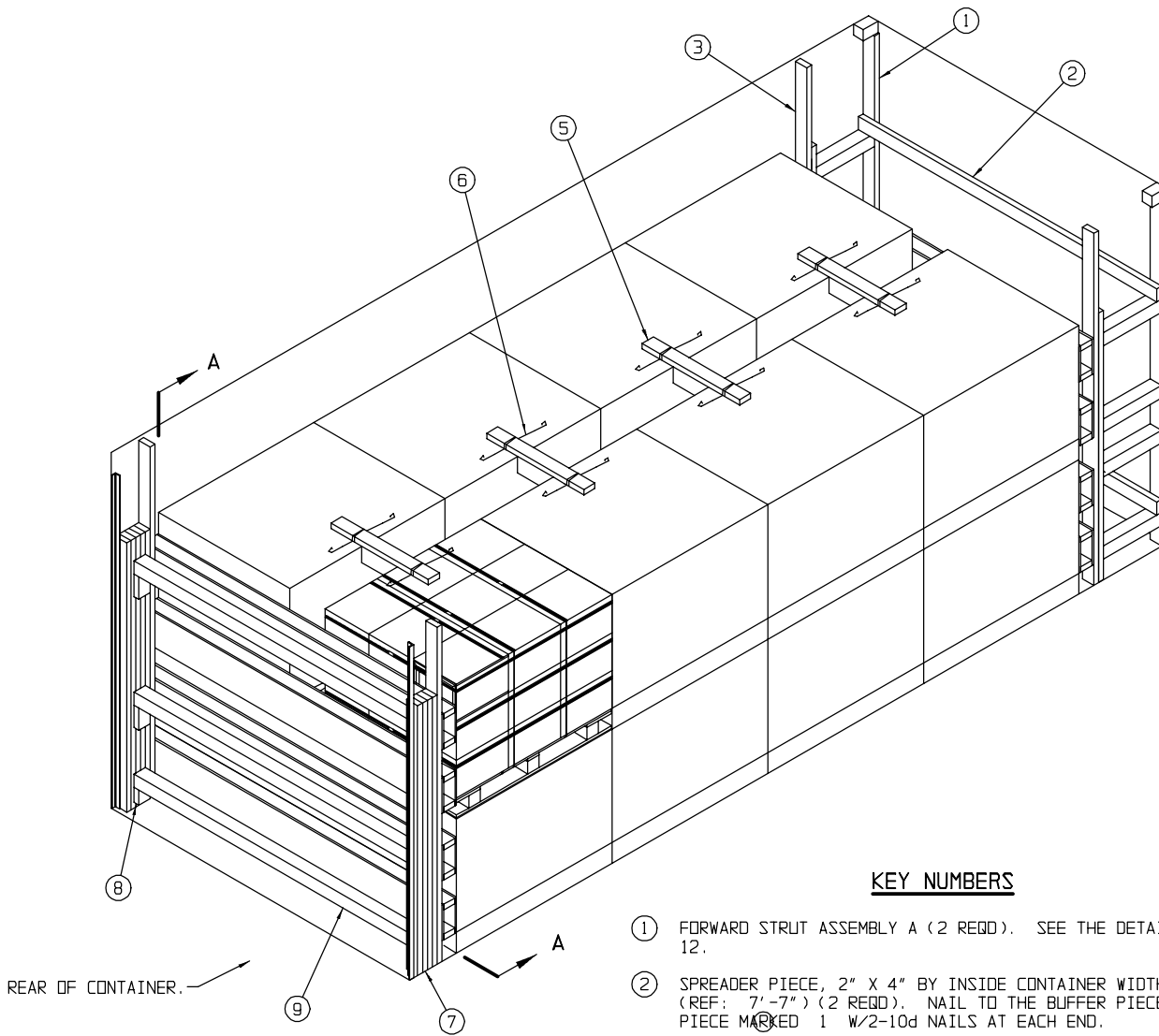
**SKIDDED UNIT NO. 3**

UNIT WEIGHT - - - - - 1,037 POUNDS (APPROX)  
 CUBE - - - - - 36.0 CUBIC FEET



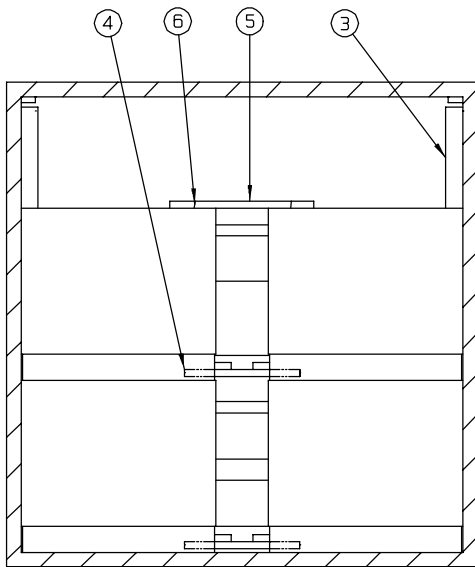
**SKIDDED UNIT NO. 4**

UNIT WEIGHT - - - - - 790 POUNDS (APPROX)  
 CUBE - - - - - 27.9 CUBIC FEET



REAR OF CONTAINER.

ISOMETRIC VIEW



SECTION A-A

KEY NUMBERS

- ① FORWARD STRUT ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 12.
- ② SPREADER PIECE, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO THE BUFFER PIECES OF PIECE MARKED 1 W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 13 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ ANTI-SWAY BRACE A (8 REQD). SEE THE DETAIL ON PAGE 72.
- ⑤ TOP SPACER A (4 REQD). SEE THE DETAIL ON PAGE 12.
- ⑥ TIE WIRE, NO. 14 GAGE WIRE 24" LONG (8 REQD). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE TOP SPACER AND ATTACH TO THE UNITIZING STRAPS OF THE LADING UNIT.
- ⑦ FILL MATERIAL, 4" WIDE BY 72" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑧ STRUT LEDGER, 2" X 4" BY 4" OR 6" (6 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑨ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

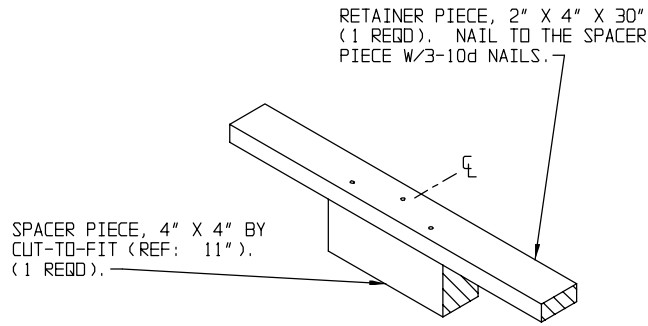
RECOMMENDED SEQUENTIAL LOADING PROCEDURES

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES A, TWO FORWARD/REAR BLOCKING ASSEMBLIES A AND FOUR TOP SPACER ASSEMBLIES A.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES A.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY A.
5. LOAD TWO PALLET UNITS AND INSTALL ONE LOWER ANTI-SWAY BRACE A (THIS ASSEMBLY MUST BE FABRICATED IN PLACE, BETWEEN THE PALLET UNITS).
6. REPEAT STEP 5.
7. INSTALL ONE TOP SPACER A ASSEMBLY AND WIRE TIE.
8. REPEAT STEPS 5, 6 AND 7 THREE TIMES APIECE.
9. INSTALL THE REAR BLOCKING ASSEMBLY A.
10. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
11. INSTALL THE THREE DOOR SPANNER PIECES AND SIX STRUT LEDGERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	342	228
4" X 4"	38	51
NAILS	NO. REQD	POUNDS
6d (2")	352	2-1/4
10d (3")	234	3-3/4
12d (3-1/4")	12	1/4
WIRE, NO. 14 GAGE	16' REQD	NIL
PLYWOOD, 1/2"	96.06 SQ FT REQD	132.08 LBS

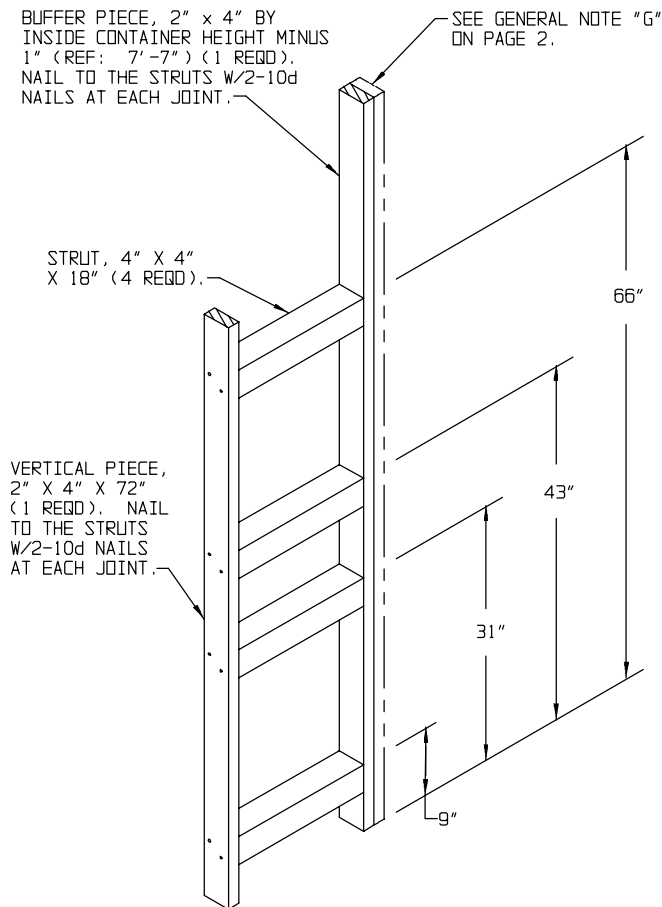
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	16	24,288 LBS
DUNNAGE		697 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		29,685 LBS (APPROX)



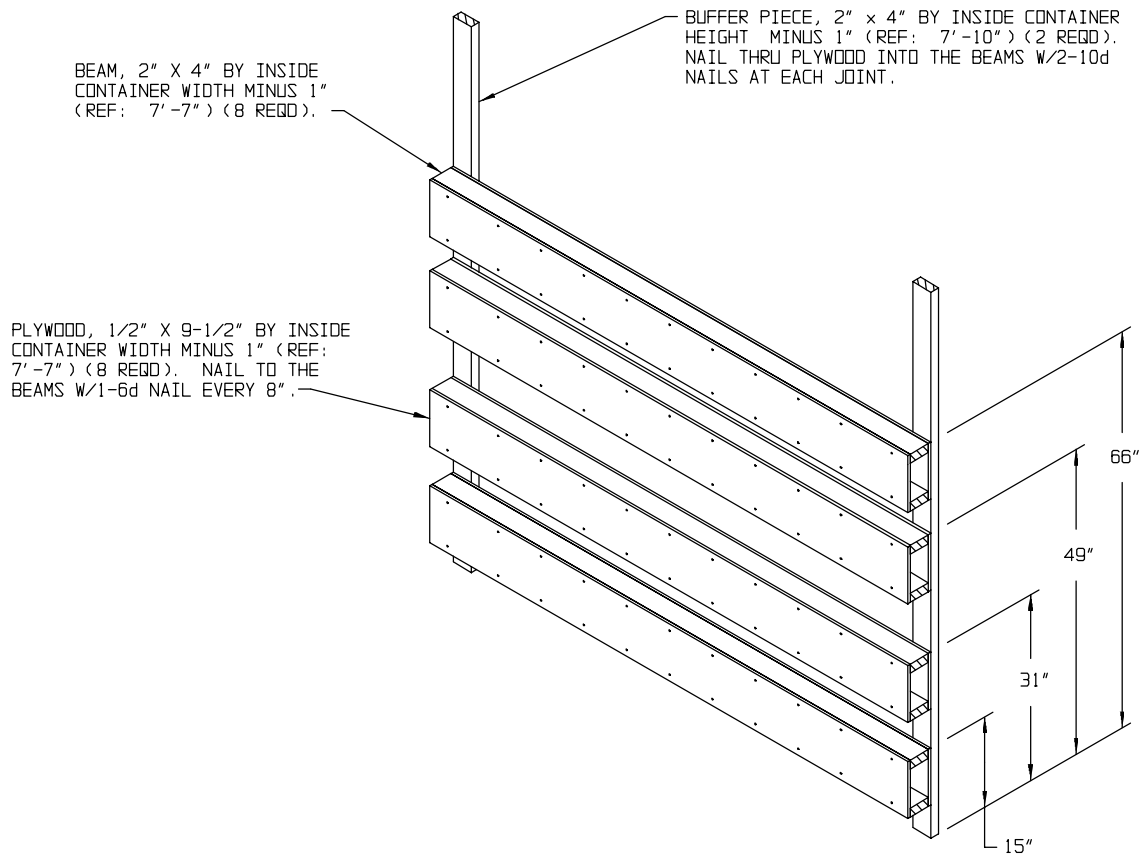
**TOP SPACER A**

SEE GENERAL NOTE "Q" ON PAGE 2.



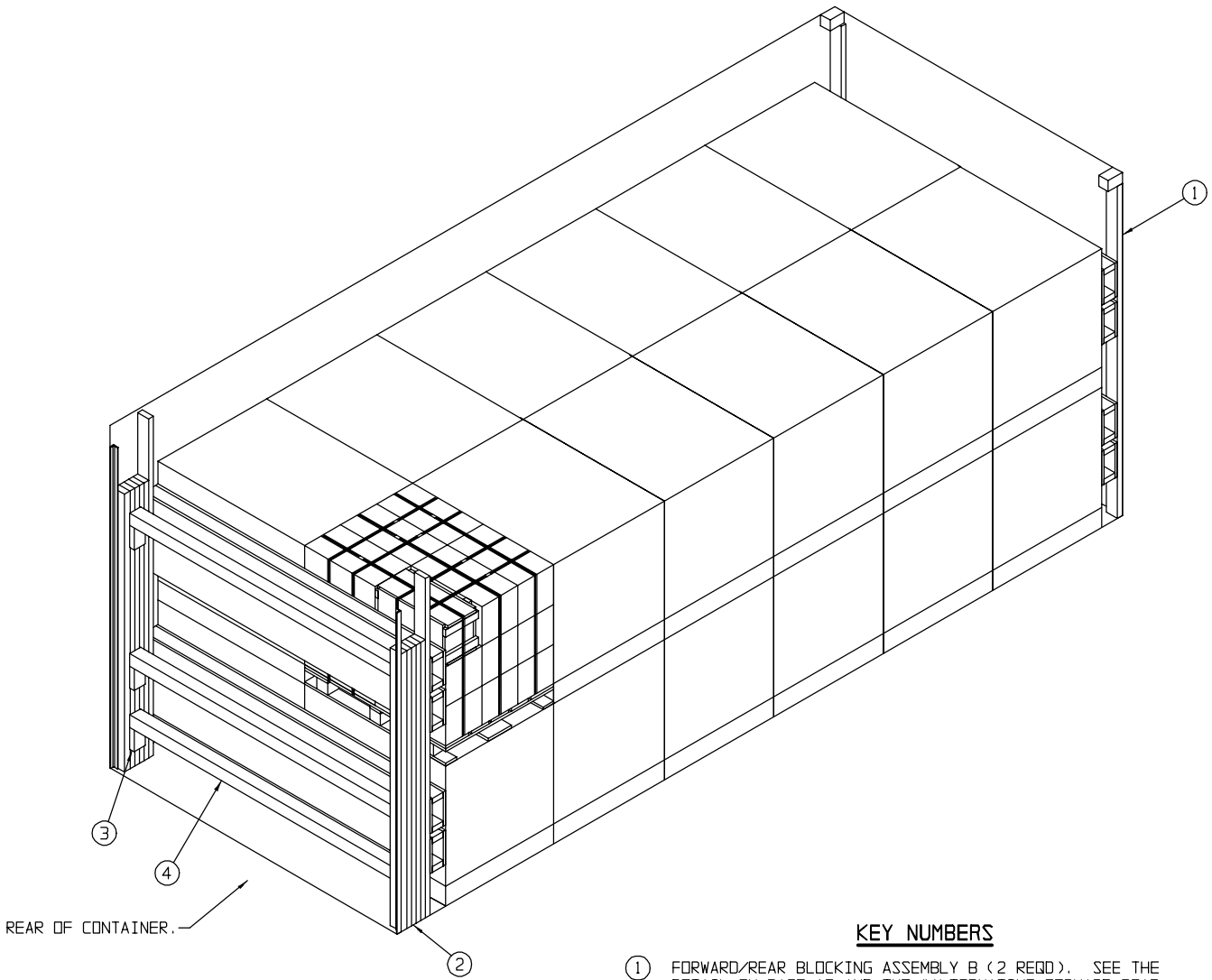
**FORWARD STRUT ASSEMBLY A**

FOR A ONE HIGH LOAD, REDUCE THE BEARING PIECE  
TO 37" AND ELIMINATE THE TOP TWO STRUTS.



**FORWARD/REAR BLOCKING ASSEMBLY A**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 25,300 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 12,650 POUNDS.



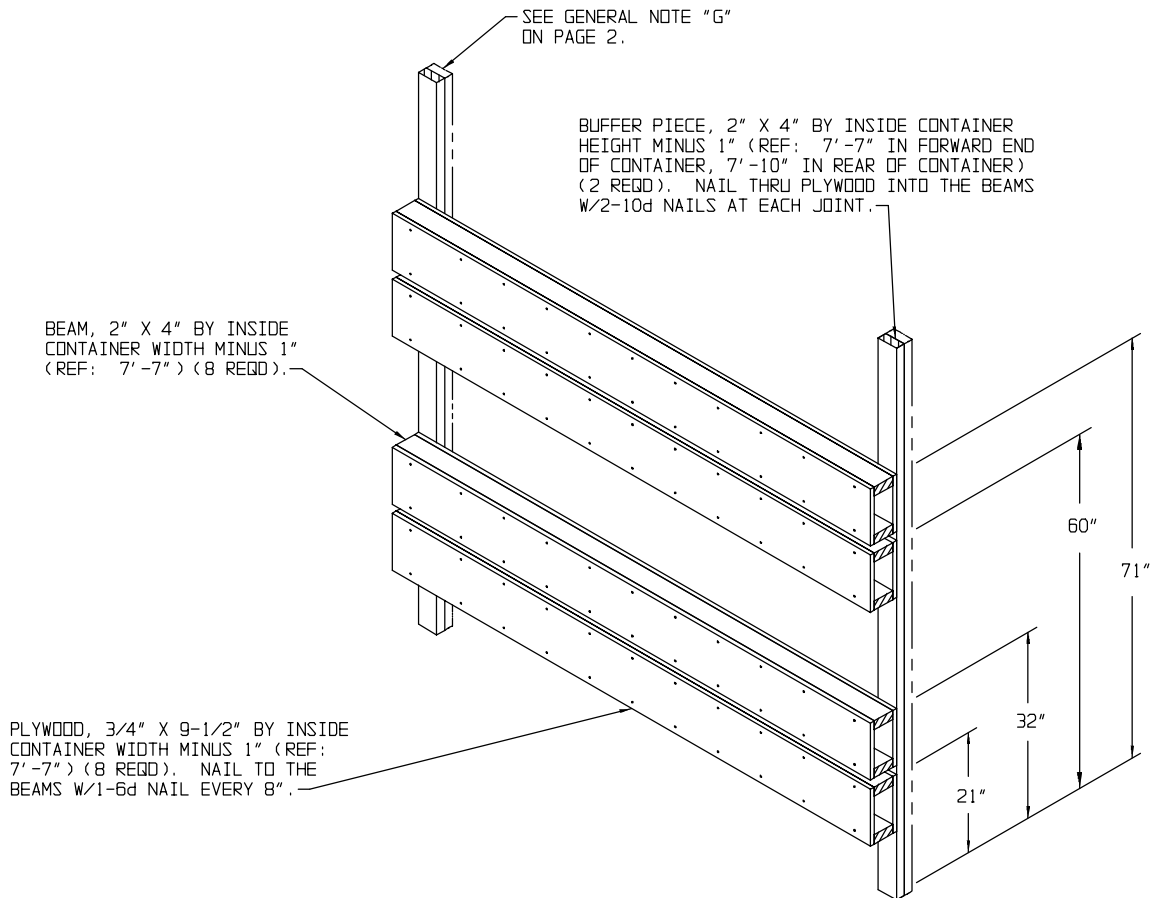
ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD/REAR BLOCKING ASSEMBLY B (2 REQD). SEE THE DETAIL ON PAGE 15 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80.
- ② FILL MATERIAL, 4" WIDE BY 6'-5" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ③ STRUT LEDGER, 2" X 4" X 6" (6 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ④ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES B.
2. INSTALL THE FORWARD BLOCKING ASSEMBLY B.
3. LOAD TWENTY-FOUR PALLET UNITS.
4. INSTALL THE REAR BLOCKING ASSEMBLY B.
5. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
6. INSTALL THE THREE DOOR SPANNER PIECES AND SIX STRUT LEDGERS.



**FORWARD/REAR BLOCKING ASSEMBLY B**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 35,260 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 17,630 POUNDS.

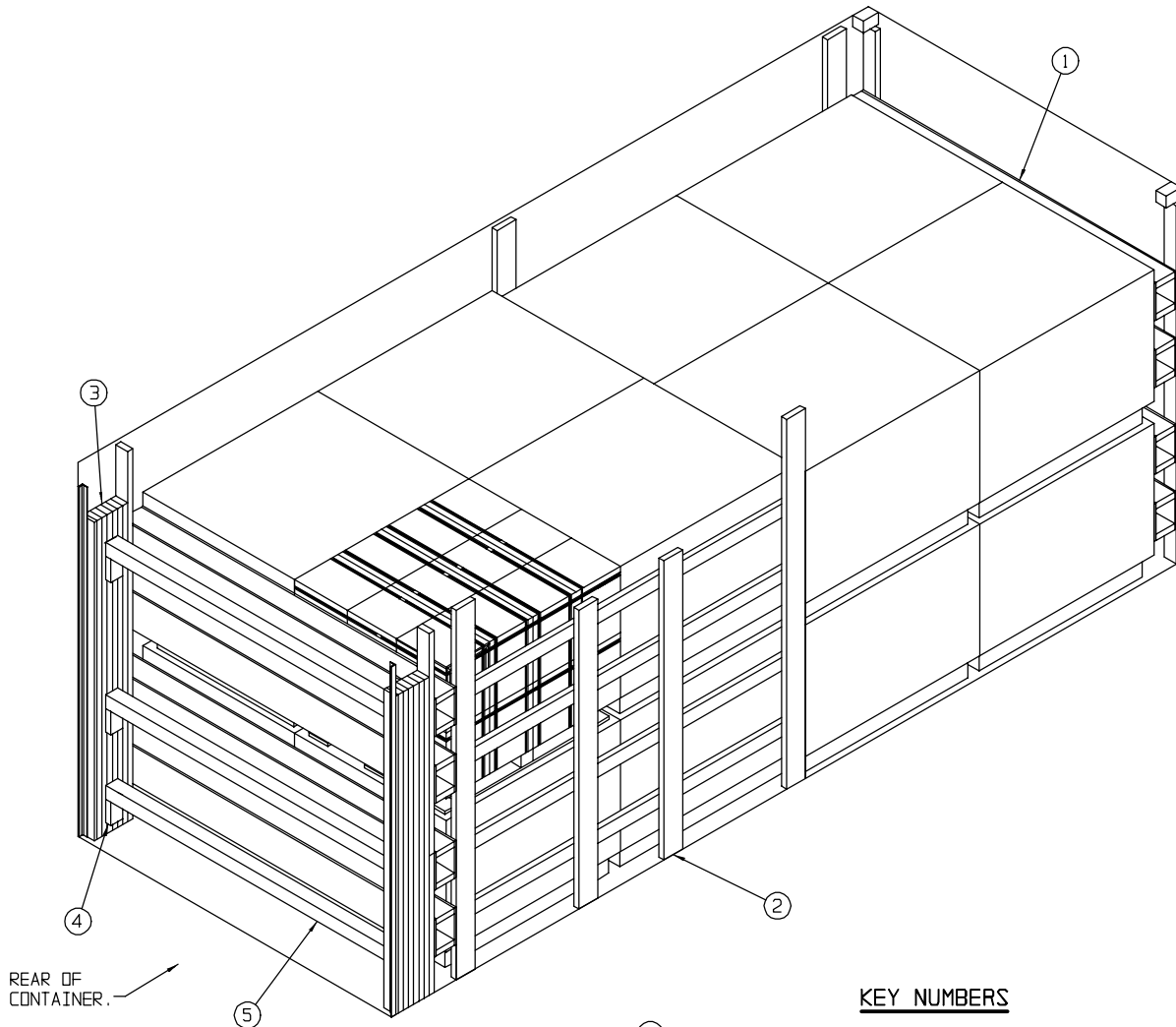
BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	159	106
4" X 4"	22	30
NAILS	NO. REQD	POLINDS
6d (2")	352	2-1/4
10d (3")	136	2-1/4
12d (3-1/4")	12	1/4
PLYWOOD, 3/4"	96.06 SQ FT REQD	198.13 LBS

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	24	29,376 LBS
DUNNAGE		475 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		34,551 LBS (APPROX)

**PAGES 16  
THROUGH  
19 ARE NO  
LONGER  
APPROVED  
FOR USE.**





ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD/REAR BLOCKING ASSEMBLY D (2 REQD). SEE THE DETAIL ON PAGE 23 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80.
- ② SIDE FILL ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 22.
- ③ FILL MATERIAL, 4" WIDE BY 6'-9" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/7 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ④ STRUT LEDGER, 2" X 4" X 6" (6 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑤ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

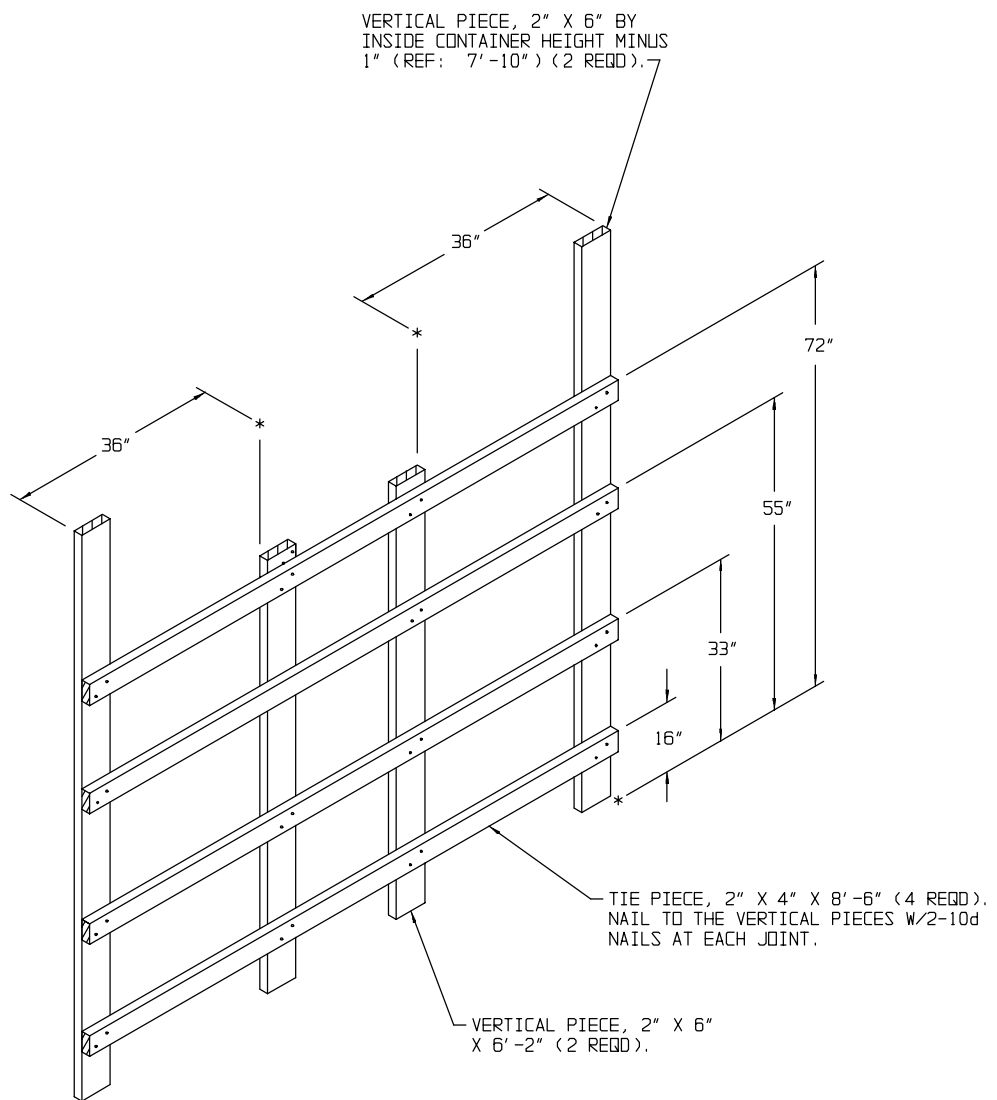
RECOMMENDED SEQUENTIAL LOADING PROCEDURES

1. PREFABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES D AND TWO SIDE FILL ASSEMBLIES A.
2. INSTALL THE FORWARD BLOCKING ASSEMBLY D.
3. INSTALL ONE SIDE FILL ASSEMBLY A AND LOAD EIGHT PALLET UNITS.
4. REPEAT STEP 3.
5. INSTALL THE REAR BLOCKING ASSEMBLY D.
6. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
7. INSTALL THE THREE DOOR SPANNER PIECES AND SIX STRUT LEDGERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	183	122
2" X 6"	178	178
4" X 4"	22	30
NAILS	NO. REQD	POUNDS
6d (2")	352	2-1/4
10d (3")	224	3-1/2
12d (3-1/4")	12	1/4
PLYWOOD, 1/2" - - -	96.05 SQ FT REQD	- - 132.07 LBS

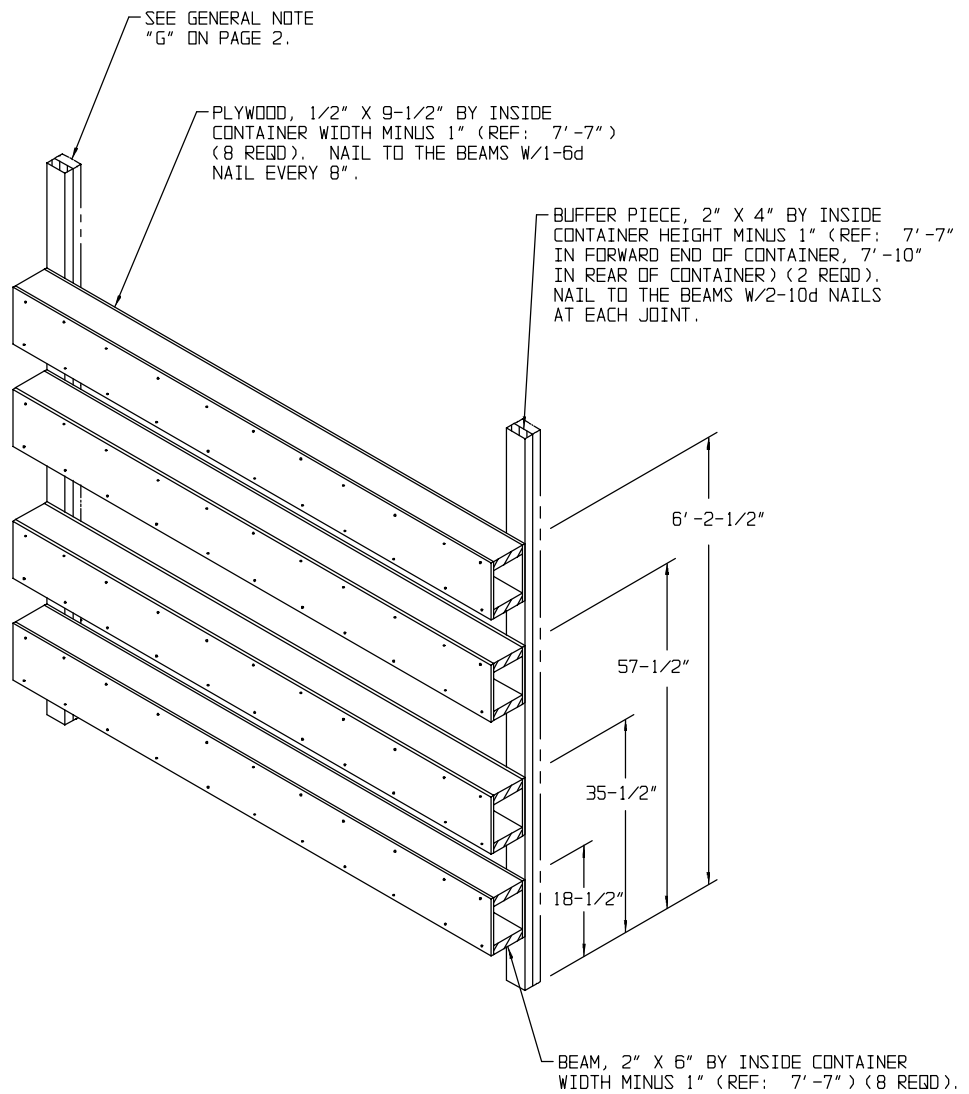
LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLET UNIT	16	43,664 LBS
DUNNAGE		799 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		49,163 LBS (APPROX)



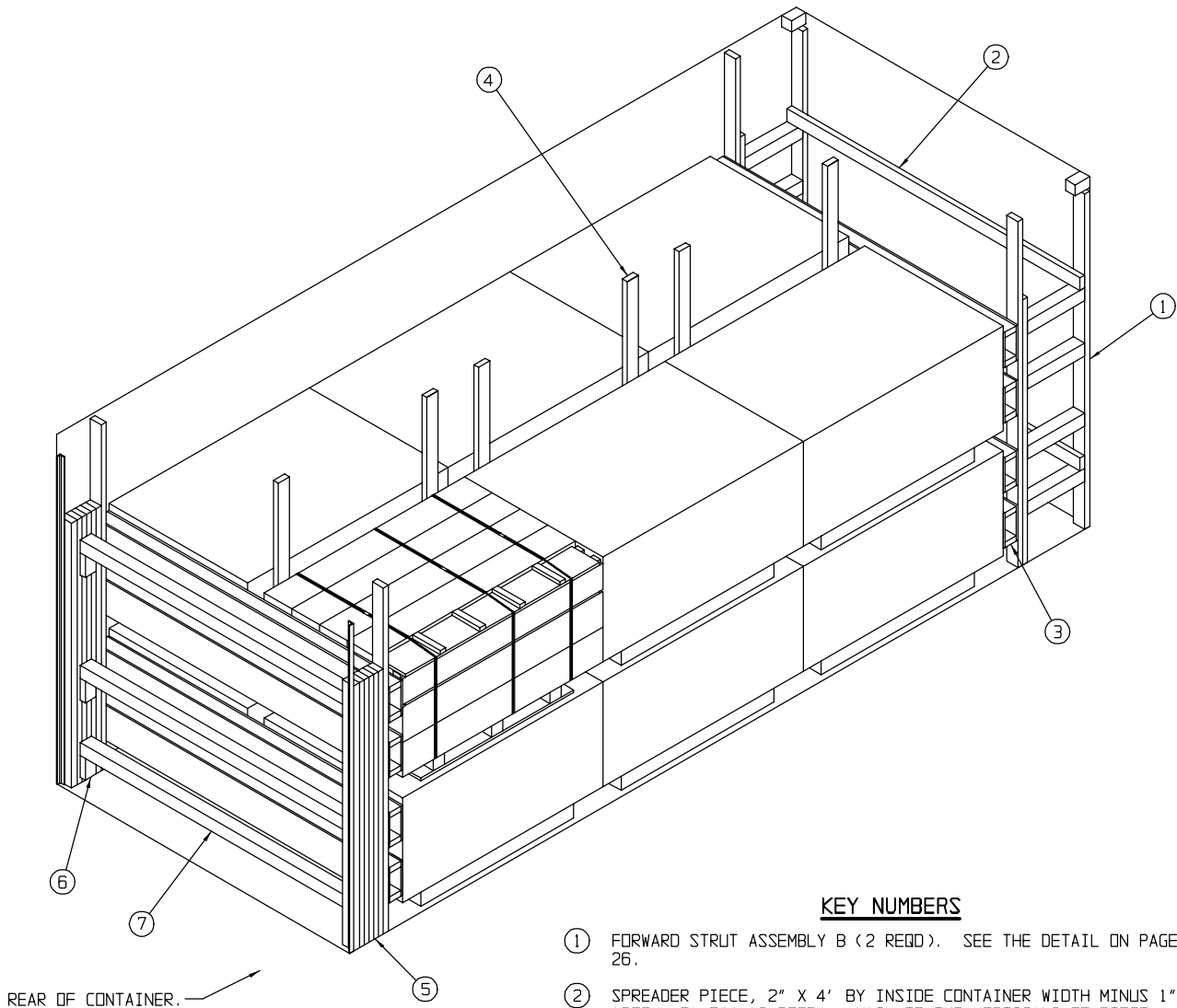
**SIDE FILL ASSEMBLY A**

FOR A ONE HIGH LOAD, ELIMINATE THE TOP TWO TIE PIECES,  
AND SHORTEN THE 6'-2" VERTICAL PIECES APPROPRIATELY.



**FORWARD/REAR BLOCKING ASSEMBLY D**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO  
BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED  
45,600 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED  
22,800 POUNDS.



ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD STRUT ASSEMBLY B (2 REQD). SEE THE DETAIL ON PAGE 26.
- ② SPREADER PIECE, 2" X 4' BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO THE VERTICALS OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY E (2 REQD). SEE THE DETAIL ON PAGE 27 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ CENTER FILL ASSEMBLY B (3 REQD). SEE THE DETAIL ON PAGE 26.
- ⑤ FILL MATERIAL, 4" WIDE BY 72" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑥ STRUT LEDGER, 2" X 4" X 6" (6 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑦ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

RECOMMENDED SEQUENTIAL LOADING PROCEDURES

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES B, TWO FORWARD/REAR BLOCKING ASSEMBLIES E AND THREE CENTER FILL ASSEMBLIES B.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES B.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY E.
5. LOAD FOUR PALLET UNITS AND INSTALL ONE CENTER FILL ASSEMBLY B.
6. REPEAT STEP 5 TWO TIMES.
7. INSTALL THE REAR BLOCKING ASSEMBLY E.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
9. INSTALL THE THREE DOOR SPANNER PIECES AND SIX STRUT LEDGERS.

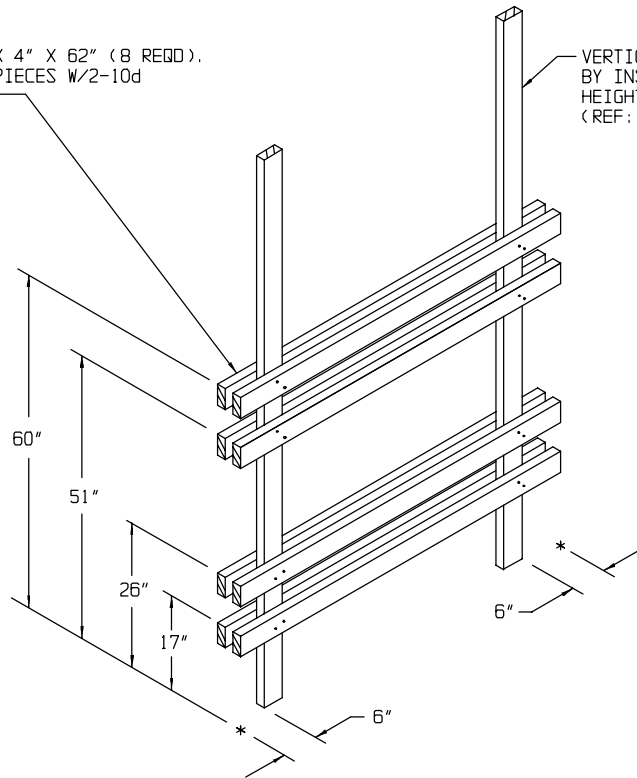
BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	441	294
4" X 4"	34	46
NAILS	NO. REQD	POUNDS
6d (2")	352	2-1/4
10d (3")	294	4-3/4
12d (3-1/4")	12	1/4
PLYWOOD, 1/2" - - - 96.06 SQ FT REQD - - - 132.08 LBS		

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLET UNIT	12	23,856 LBS
DUNNAGE		820 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		29,376 LBS (APPROX)

HORIZONTAL PIECE, 2" X 4" X 62" (8 REQD).  
 NAIL TO THE VERTICAL PIECES W/2-10d  
 NAILS AT EACH JOINT.

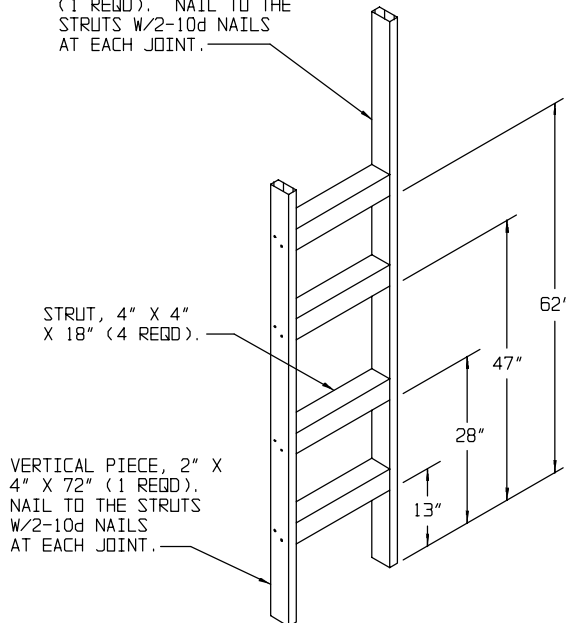
VERTICAL PIECE, 2" X 4"  
 BY INSIDE CONTAINER  
 HEIGHT MINUS 1"  
 (REF: 7'-10") (2 REQD).



**CENTER FILL ASSEMBLY B**

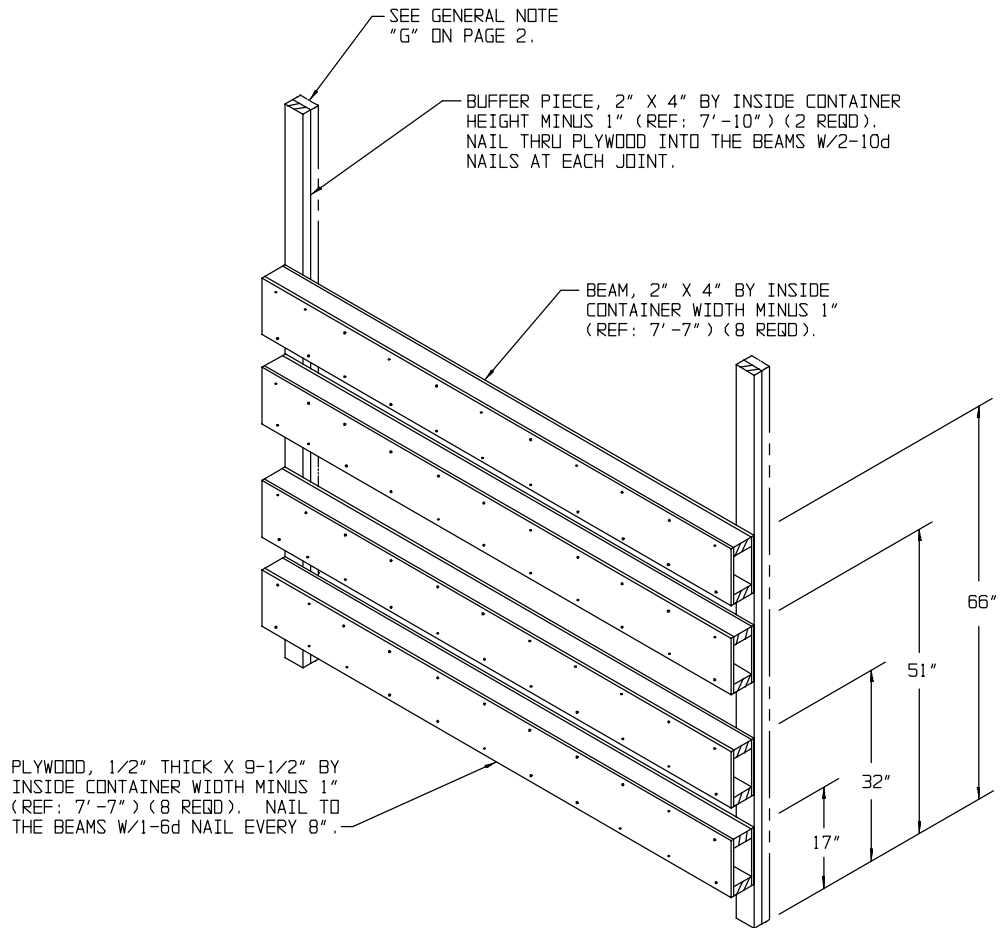
FOR A ONE HIGH LOAD, ELIMINATE THE TOP FOUR  
 HORIZONTAL PIECES.

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



**FORWARD STRUT ASSEMBLY B**

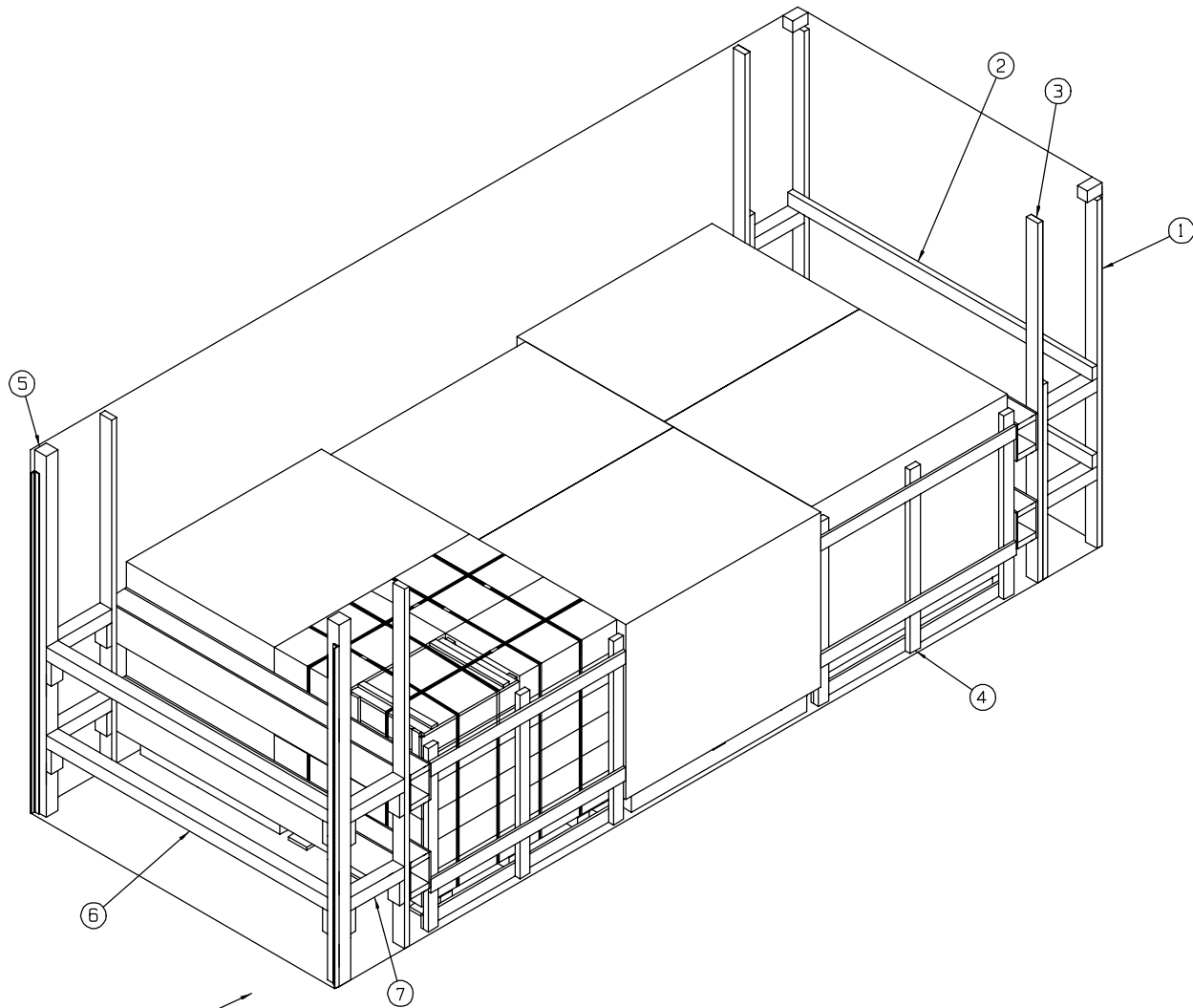
FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECE  
 TO 36" AND ELIMINATE THE TOP TWO STRUTS.



**FORWARD/REAR BLOCKING ASSEMBLY E**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 25,300 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 12,650 POUNDS.





REAR OF CONTAINER. →

**ISOMETRIC VIEW**

**KEY NUMBERS**

- ① FORWARD STRUT ASSEMBLY C (2 REQD). SEE THE DETAIL ON PAGE 30.
- ② SPREADER PIECE, 2" X 4" X INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO BUFFER PIECES OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY F (2 REQD). SEE THE DETAIL ON PAGE 30 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS. NOTE: STRUT LEDGERS ARE ONLY REQUIRED ON THE REAR BLOCKING ASSEMBLY. DO NOT INSTALL STRUT LEDGERS ON THE FORWARD BLOCKING ASSEMBLY.
- ④ SIDE FILL ASSEMBLY B (3 REQD). SEE THE DETAIL ON PAGE 31.
- ⑤ DOOR POST VERTICAL A (2 REQD). SEE THE DETAIL ON PAGE 31, "DETAIL A" AND THE SPECIAL NOTE ON PAGE 74, AND "DETAIL B" AND THE SPECIAL NOTE ON PAGE 75.
- ⑥ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REQD). TOENAIL TO THE 4" X 4" DOOR POST VERTICAL PIECES W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8.
- ⑦ STRUT, 4" X 4" BY CUT-TO-FIT (REF: 16-1/4") (4 REQD). TOENAIL TO THE BUFFER PIECES OF THE REAR BLOCKING ASSEMBLY AND THE DOOR POST VERTICAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8.

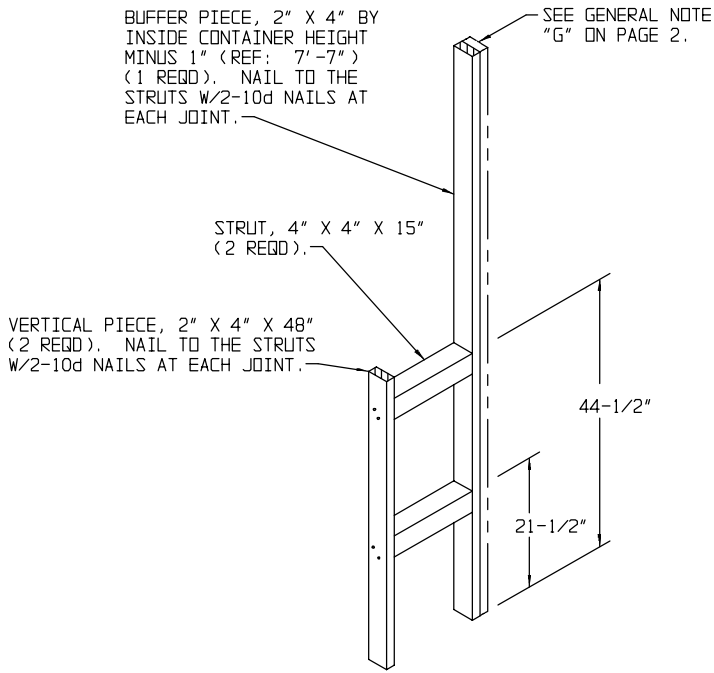
**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES C, TWO FORWARD/REAR BLOCKING ASSEMBLIES F, THREE SIDE FILL ASSEMBLIES B AND TWO DOOR POST VERTICALS A.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES C.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY F.
5. INSTALL ONE SIDE FILL ASSEMBLY B AND LOAD TWO PALLET UNITS.
6. REPEAT STEP 5 TWO MORE TIMES.
7. INSTALL THE REAR BLOCKING ASSEMBLY F.
8. INSTALL THE TWO DOOR POST VERTICALS A.
9. INSTALL THE TWO DOOR SPANNER PIECES.
10. INSTALL THE STRUTS BETWEEN THE REAR BLOCKING ASSEMBLY AND THE DOOR POST VERTICALS.

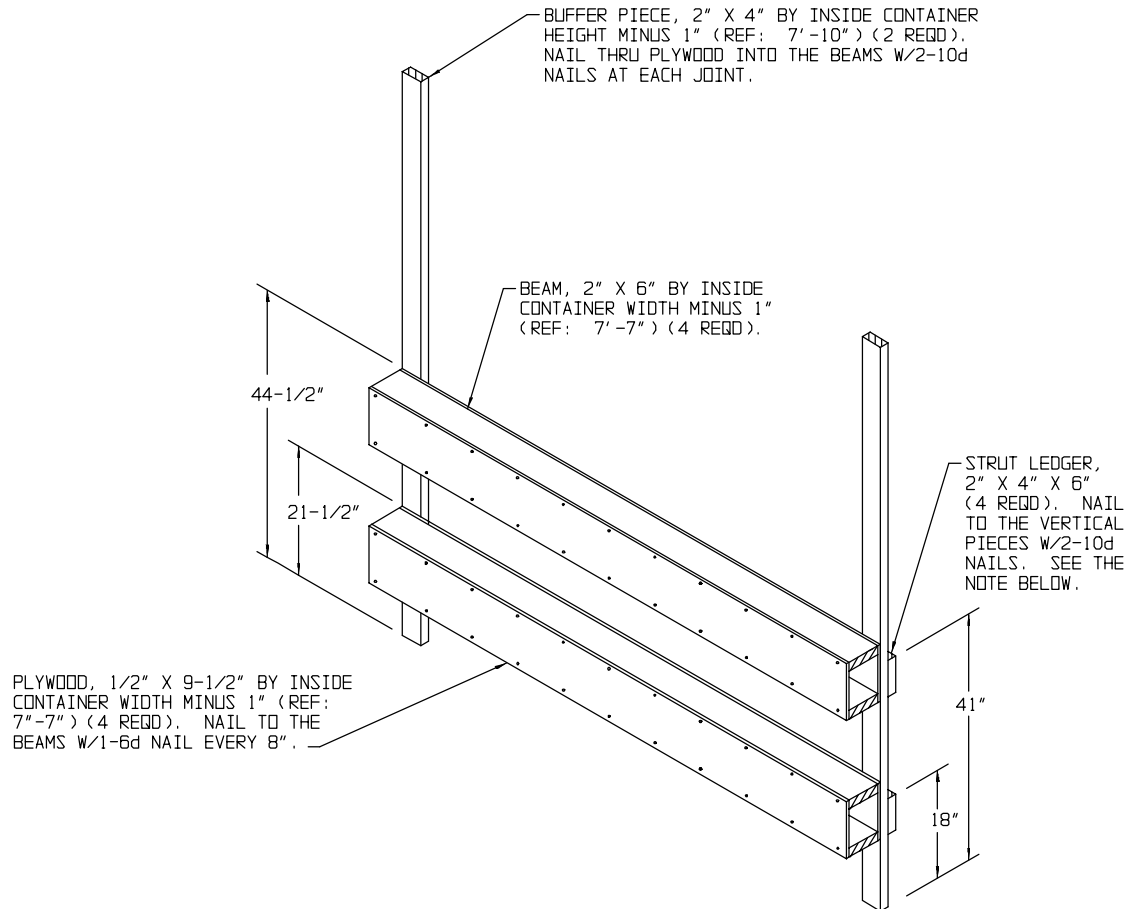
BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	45	15
2" X 4"	112	75
2" X 6"	61	61
4" X 4"	41	55
NAILS	NO. REQD	POUNDS
6d (2")	230	1-1/2
10d (3")	74	1-1/4
12d (3-1/4")	24	1/2
PLYWOOD, 1/2" - - - - 48.03 SQ FT REQD - - 66.04 LBS		

**LOAD AS SHOWN**

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLET UNIT	6	13,980 LBS
DUNNAGE		482 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		19,162 LBS (APPROX)

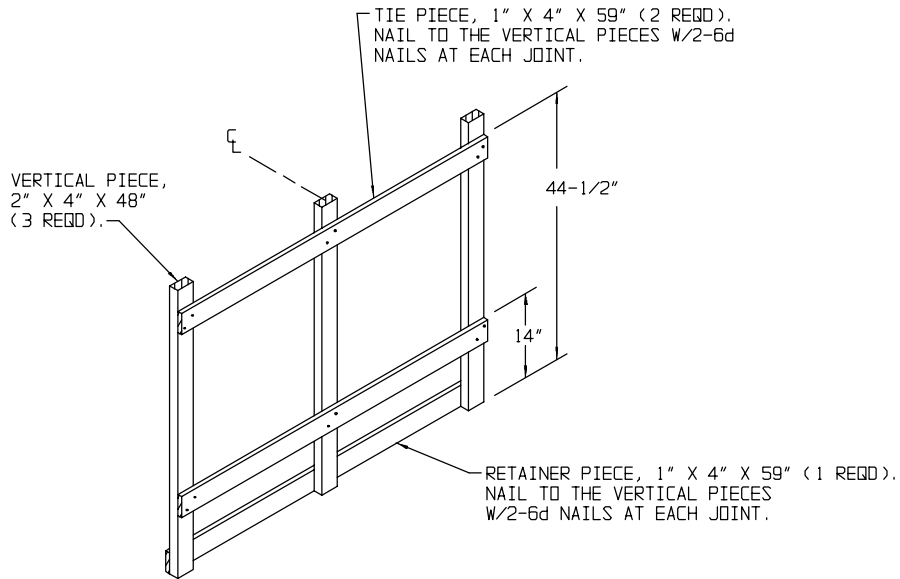


**FORWARD STRUT ASSEMBLY C**

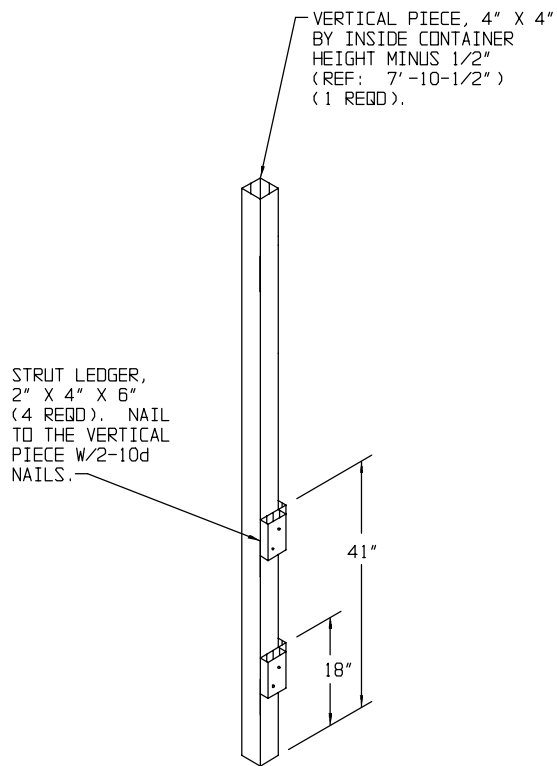


**FORWARD/REAR BLOCKING ASSEMBLY F**

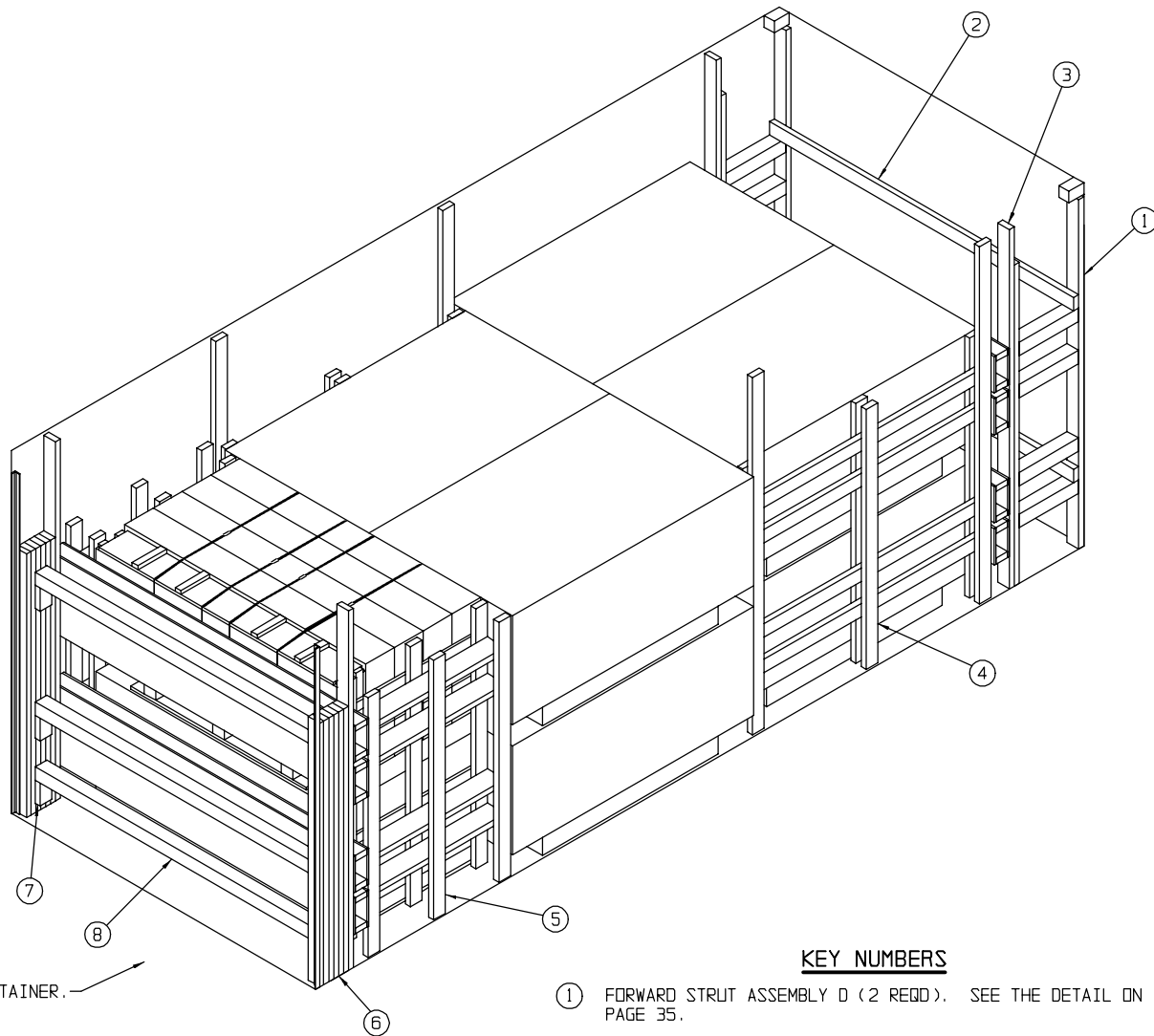
NOTE: STRUT LEDGERS ARE ONLY REQUIRED ON THE REAR BLOCKING ASSEMBLY. DO NOT INSTALL STRUT LEDGERS ON THE FORWARD BLOCKING ASSEMBLY. A ONE LAYER LOAD MAY NOT EXCEED 22,800 POUNDS.



SIDE FILL ASSEMBLY B



DOOR POST VERTICAL A



**ISOMETRIC VIEW**

REAR OF CONTAINER.

**KEY NUMBERS**

- ① FORWARD STRUT ASSEMBLY D (2 REQD). SEE THE DETAIL ON PAGE 35.
- ② SPREADER PIECE, 2" X 4" X INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO VERTICALS OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY G (2 REQD). SEE THE DETAIL ON PAGE 34 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ SIDE FILL ASSEMBLY C (2 REQD). SEE THE DETAIL ON PAGE 34.
- ⑤ FILLER ASSEMBLY A (2 REQD). SEE THE DETAIL ON PAGE 35.
- ⑥ FILL MATERIAL, 4" WIDE BY 69" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑦ STRUT LEDGER, 2" X 4" X 6" (6 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑧ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

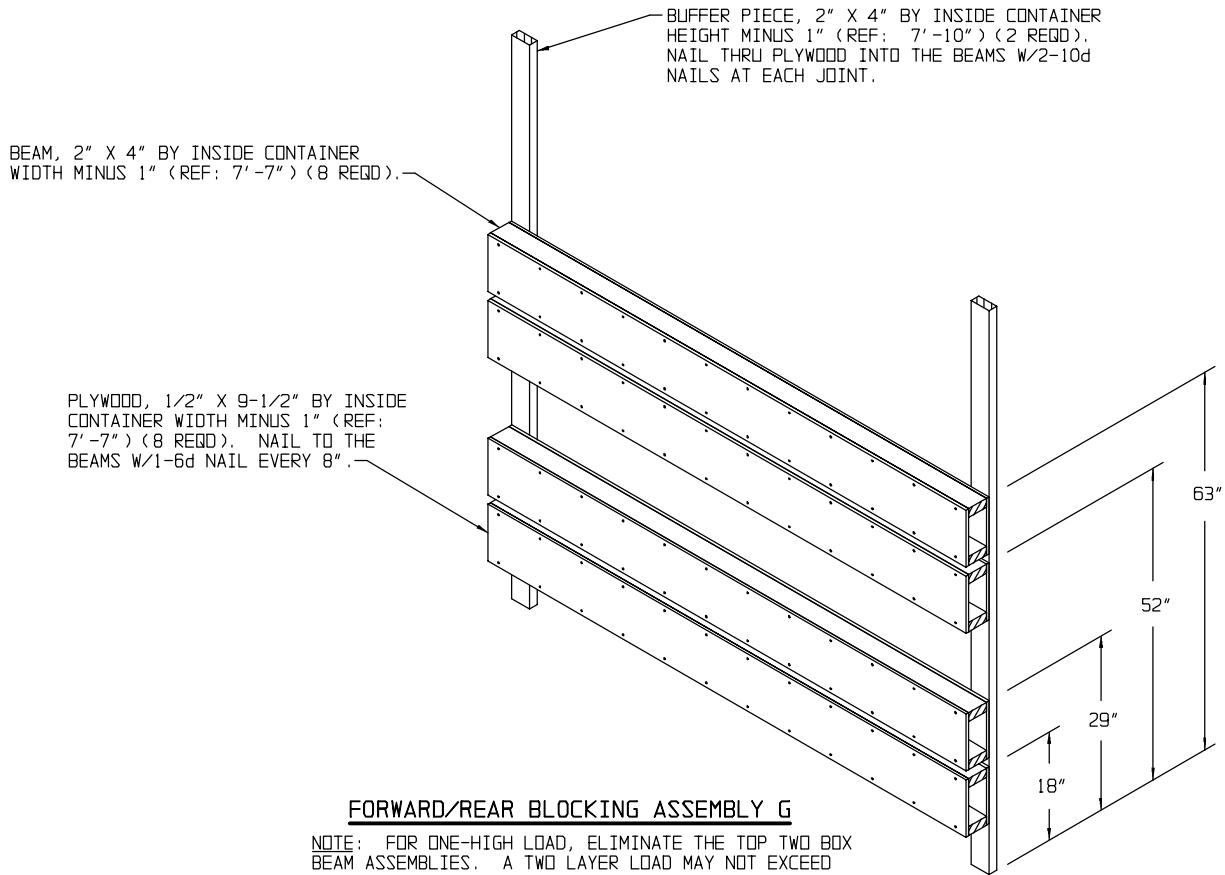
**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES D, TWO FORWARD/REAR BLOCKING ASSEMBLIES G, TWO SIDE FILL ASSEMBLIES C AND TWO FILLER ASSEMBLIES A.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES D.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY G.
5. LOAD FOUR PALLET UNITS AND INSTALL ONE SIDE FILL ASSEMBLY C.
6. REPEAT STEP 4.
7. LOAD THE LAST TWO PALLET UNITS AND INSTALL TWO FILLER ASSEMBLIES A.
8. INSTALL THE REAR BLOCKING ASSEMBLY G.
9. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
10. INSTALL THE THREE DOOR SPANNER PIECES AND SIX STRUT LEDGERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	29	10
2" X 4"	469	313
2" X 6"	29	29
4" X 4"	34	46
NAILS	NO. REQD	POUNDS
6d (2")	400	2-1/2
10d (3")	402	6-1/4
12d (3-1/4")	12	1/4
PLYWOOD, 1/2"	--- 96.06 SQ FT REQD	--- 132.08 LBS

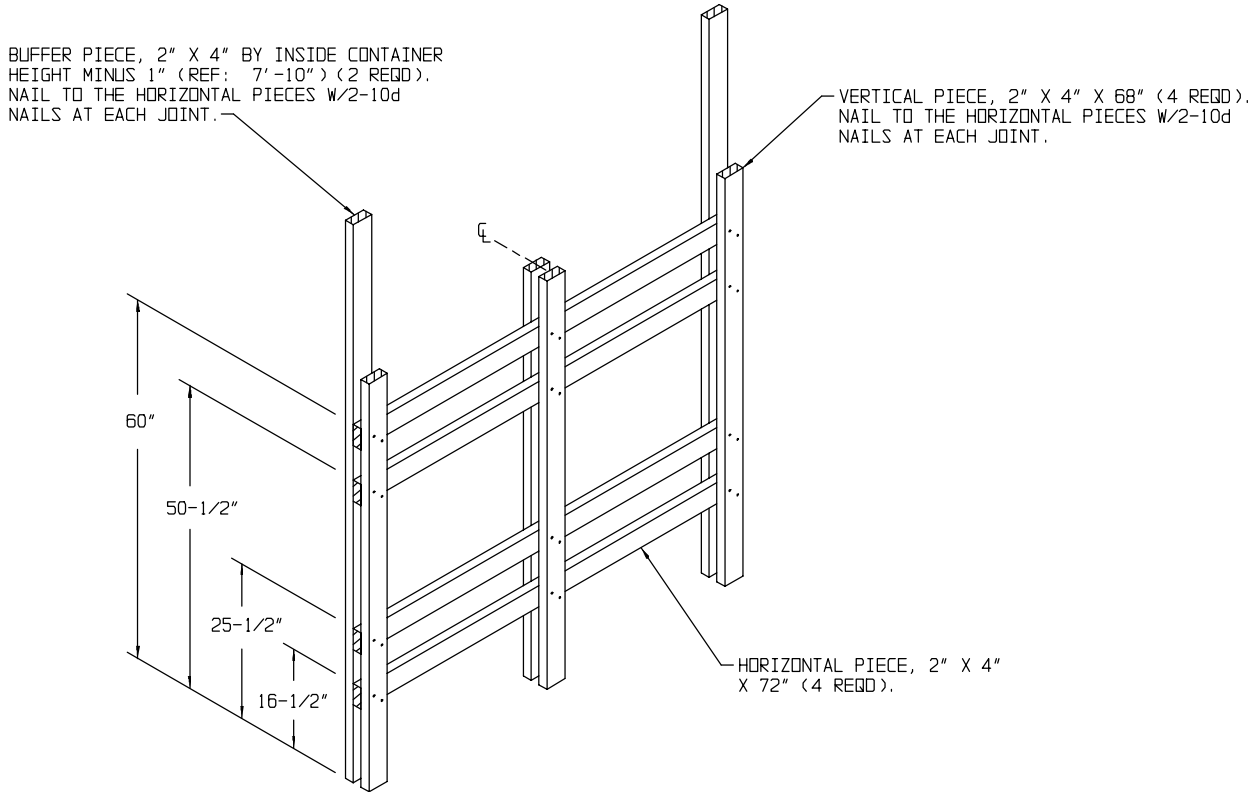
**LOAD AS SHOWN**

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLET UNIT	----- 10	----- 25,240 LBS
DUNNAGE	-----	----- 938 LBS
CONTAINER	-----	----- 4,700 LBS
TOTAL WEIGHT		----- 30,878 LBS (APPROX)



**FORWARD/REAR BLOCKING ASSEMBLY G**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 25,300 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 12,650 POUNDS.

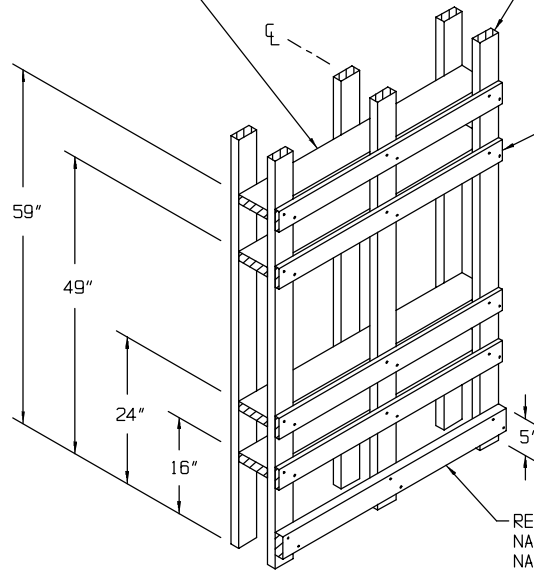


**SIDE FILL ASSEMBLY C**

FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECES TO 34" AND ELIMINATE THE TOP TWO HORIZONTAL PIECES.

HORIZONTAL PIECE, 2" X 6"  
X 43" (4 REQD).

VERTICAL PIECE, 2" X 4" X 68" (6 REQD).  
NAIL TO THE HORIZONTAL PIECES W/2-10d  
NAILS AT EACH JOINT.



BEARING PIECE, 1" X 4" X 43" (4 REQD).  
CENTER ON HORIZONTAL PIECE AND NAIL  
TO THE VERTICAL PIECES W/2-6d NAILS  
AT EACH JOINT.

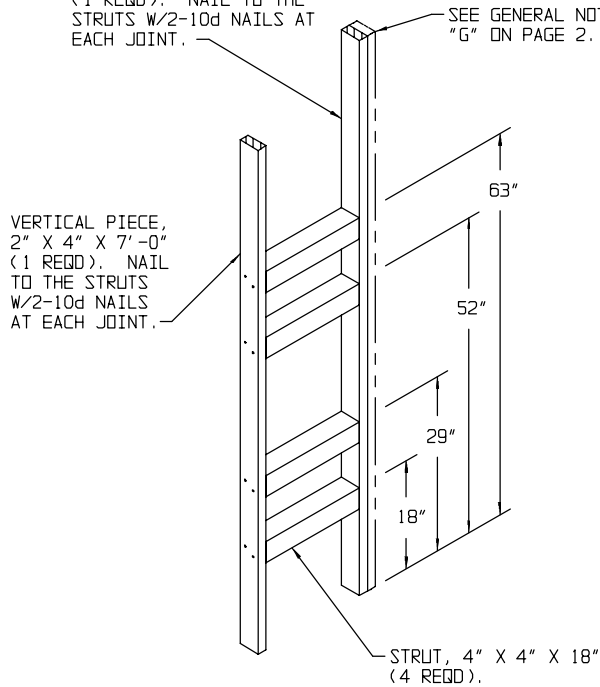
RETAINER PIECE, 2" X 4" X 43" (1 REQD).  
NAIL TO THE VERTICAL PIECES W/2-10d  
NAILS AT EACH JOINT.

### FILLER ASSEMBLY A

FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECES  
TO 34" AND ELIMINATE THE TOP TWO HORIZONTAL AND  
BEARING PIECES.

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

SEE GENERAL NOTE  
"G" ON PAGE 2.



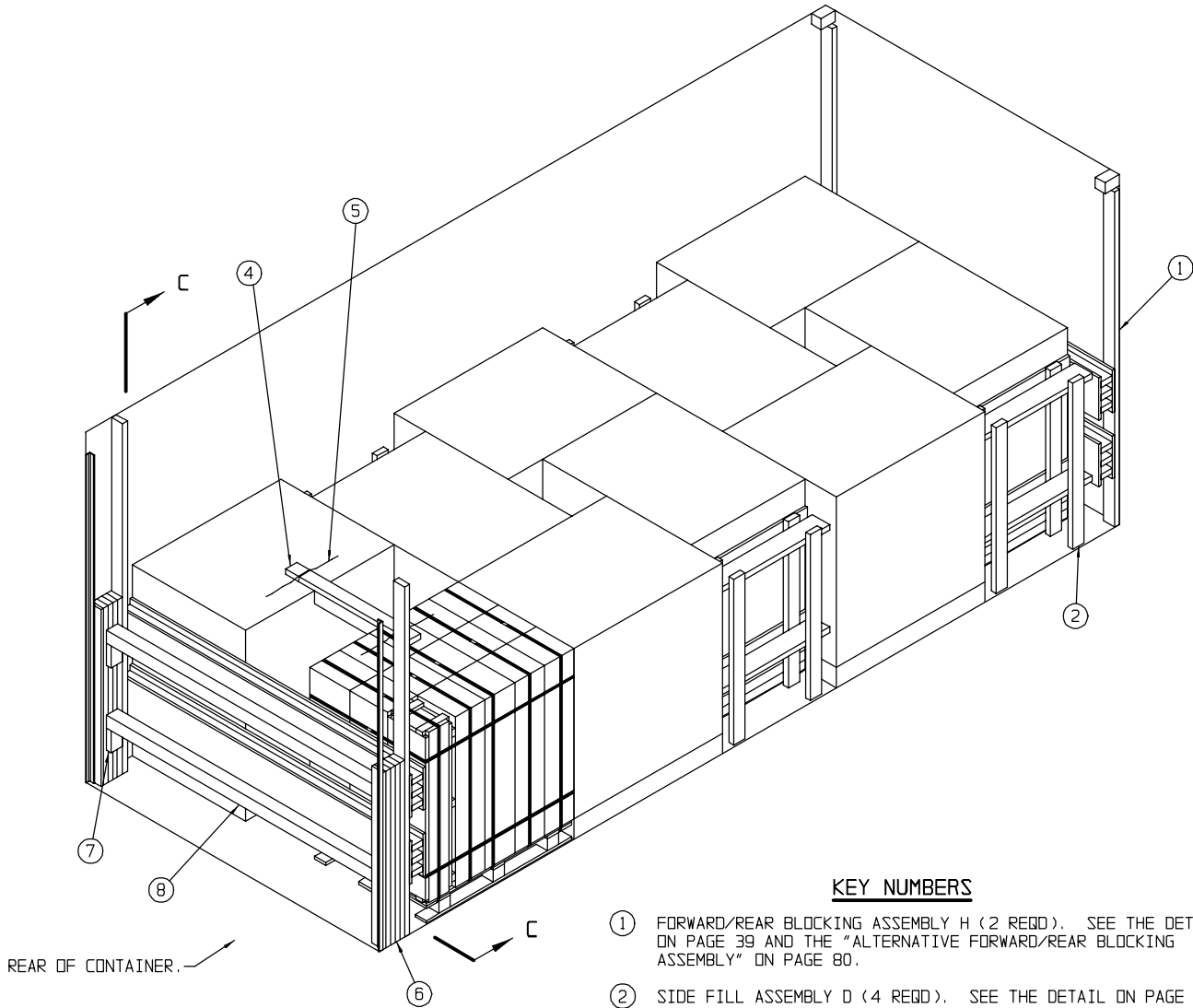
VERTICAL PIECE,  
2" X 4" X 7'-0"  
(1 REQD). NAIL  
TO THE STRUTS  
W/2-10d NAILS  
AT EACH JOINT.

STRUT, 4" X 4" X 18"  
(4 REQD).

### FORWARD STRUT ASSEMBLY D

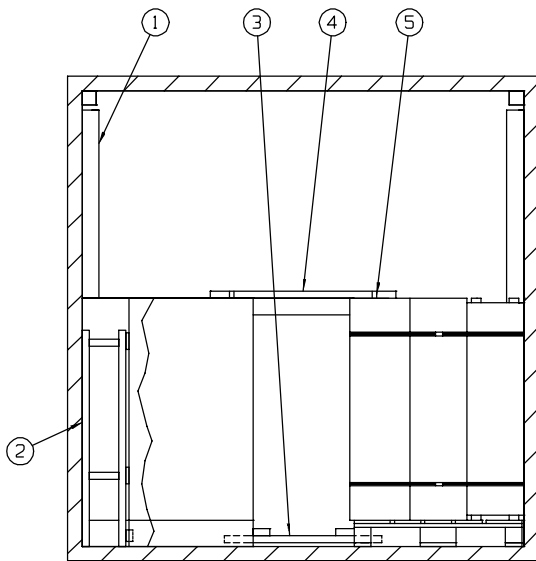
FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECE  
TO 35" AND ELIMINATE THE TOP TWO STRUTS.





REAR OF CONTAINER.

**ISOMETRIC VIEW**



**SECTION C-C**

**KEY NUMBERS**

- ① FORWARD/REAR BLOCKING ASSEMBLY H (2 REQ'D). SEE THE DETAIL ON PAGE 39 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80.
- ② SIDE FILL ASSEMBLY D (4 REQ'D). SEE THE DETAIL ON PAGE 38.
- ③ ANTI-SWAY BRACE A (1 REQ'D). SEE THE "ANTI-SWAY BRACE A" DETAIL ON PAGE 72.
- ④ TOP SPACER B (1 REQ'D). SEE THE DETAIL ON PAGE 38.
- ⑤ TIE WIRE, NO. 14 GAGE WIRE 24" LONG (2 REQ'D). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE TOP SPACER AND ATTACH TO THE UNITIZING STRAPS OF THE LADING UNIT.
- ⑥ FILL MATERIAL, 4" WIDE BY 49" LONG MATERIAL (AS REQ'D). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/4 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑦ STRUT LEDGER, 2" X 4" X 6" (4 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑧ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REQ'D). TOENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

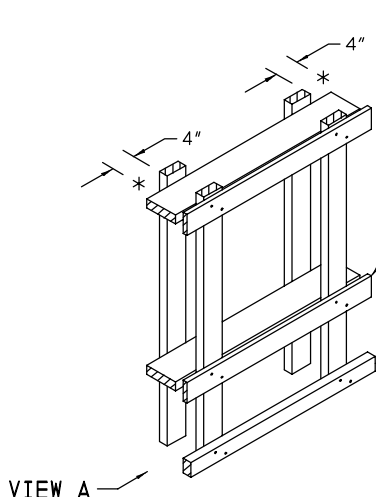
**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES H, FOUR SIDE FILL ASSEMBLIES D AND ONE TOP SPACER B.
2. INSTALL THE FORWARD BLOCKING ASSEMBLY H.
3. INSTALL ONE SIDE FILL ASSEMBLY D AND LOAD TWO PALLET UNITS.
4. REPEAT STEP 3 THREE TIMES.
5. LOAD THE LAST TWO PALLET UNITS.
6. INSTALL ONE ANTI-SWAY BRACE A (THIS ASSEMBLY MUST BE FABRICATED IN PLACE, BETWEEN PALLET UNITS) AND ONE TOP SPACER B AND WIRE TIE.
7. INSTALL THE REAR BLOCKING ASSEMBLY H.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
9. INSTALL THE TWO DOOR SPANNER PIECES AND FOUR STRUT LEDGERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	24	8
2" X 3"	12	6
2" X 4"	232	155
2" X 6"	24	24
4" X 4"	16	22
NAILS	NO. REQD	POUNDS
6d (2")	296	1-3/4
10d (3")	179	3
12d (3-1/4")	8	1/4
WIRE, NO. 14 GAGE - - - - - 4' REQD - - - - - NIL		
PLYWOOD, 3/4" - - - 58.14 SQ FT REQD - - 119.91 LBS		

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	10	21,880 LBS
DUNNAGE		555 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		27,135 LBS (APPROX)

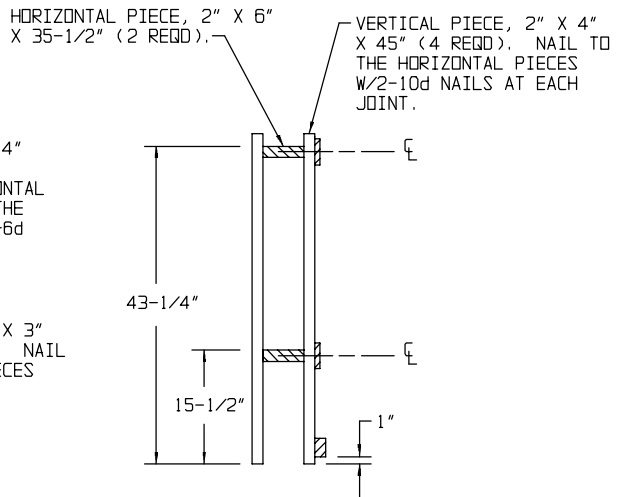


BEARING PIECE, 1" X 4" X 35-1/2" (2 REQD). CENTER ON THE HORIZONTAL PIECES AND NAIL TO THE VERTICAL PIECES W/2-6d NAILS AT EACH JOINT.

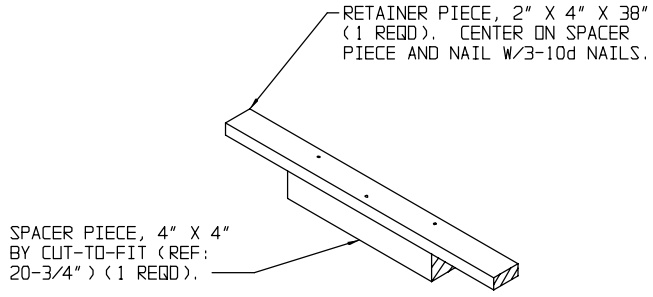
RETAINER PIECE, 2" X 3" X 35-1/2" (1 REQD). NAIL TO THE VERTICAL PIECES W/2-10d NAILS AT EACH JOINT.

VIEW A

SIDE FILL ASSEMBLY D



VIEW A



SPACER PIECE, 4" X 4" BY CUT-TO-FIT (REF: 20-3/4") (1 REQD).

RETAINER PIECE, 2" X 4" X 38" (1 REQD). CENTER ON SPACER PIECE AND NAIL W/3-10d NAILS.

TOP SPACER B

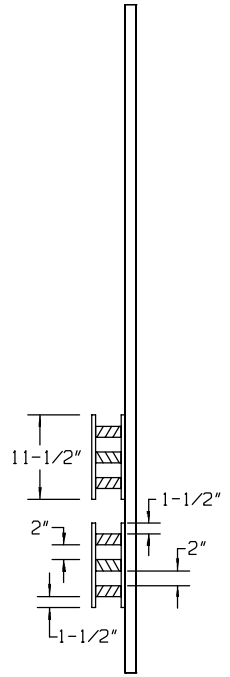
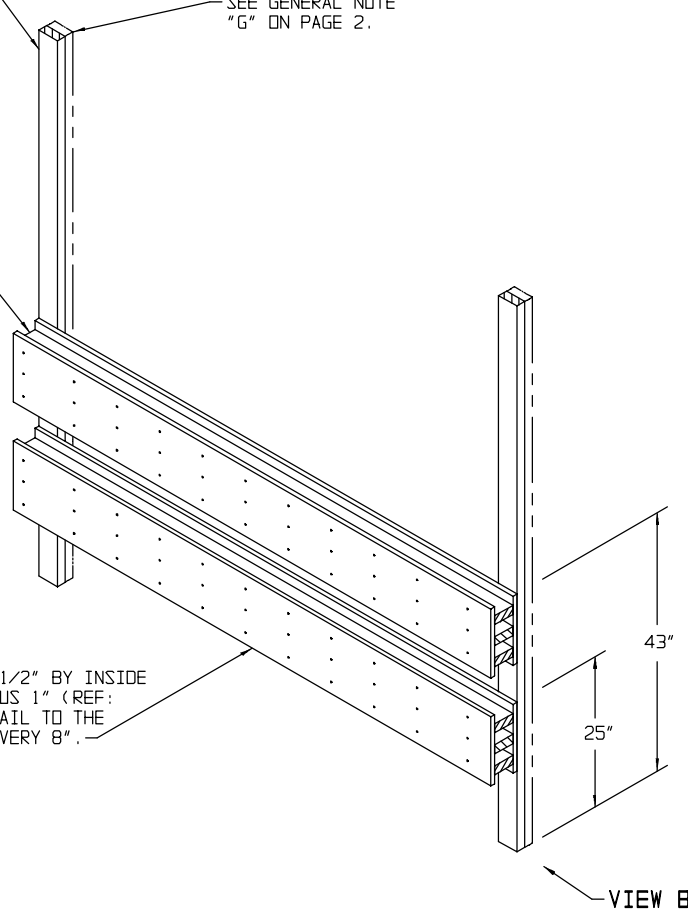
SEE GENERAL NOTE "Q" ON PAGE 2.

BUFFER PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-7" IN FORWARD END OF CONTAINER, 7'-10" IN REAR OF CONTAINER) (2 REQD). NAIL THRU PLYWOOD INTO THE BEAMS W/2-10d NAILS AT EACH JOINT.

SEE GENERAL NOTE "G" ON PAGE 2.

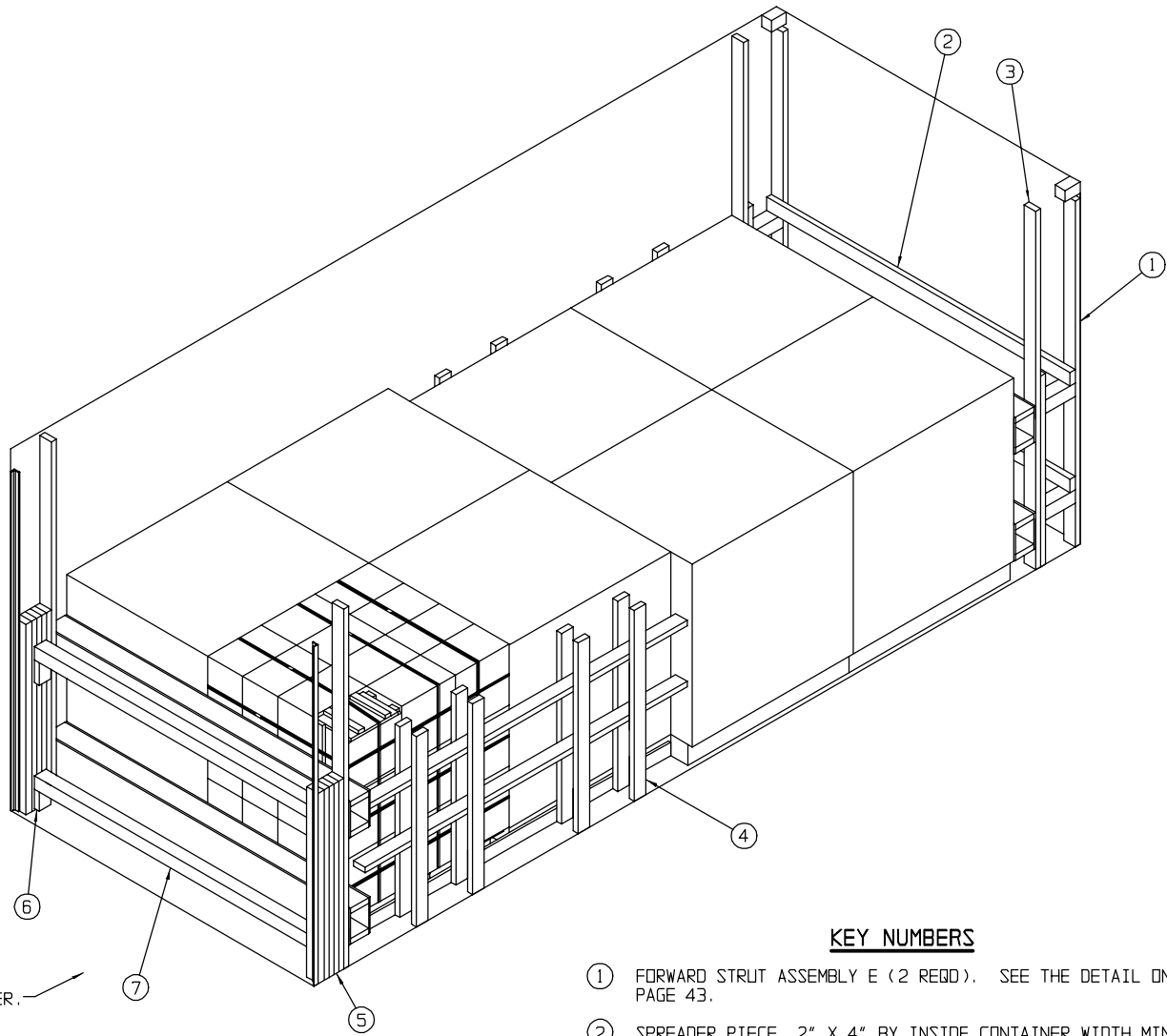
BEAM, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (6 REQD).

PLYWOOD, 3/4" X 11-1/2" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (4 REQD). NAIL TO THE BEAMS W/1-6d NAIL EVERY 8".



**FORWARD/REAR BLOCKING ASSEMBLY H**

A ONE LAYER LOAD MAY NOT EXCEED 22,060 POUNDS.



REAR OF  
CONTAINER.

ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD STRUT ASSEMBLY E (2 REQD). SEE THE DETAIL ON PAGE 43.
- ② SPREADER PIECE, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO THE FORWARD BUFFER PIECES OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY J (2 REQD). SEE THE DETAIL ON PAGE 43 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ SIDE FILL ASSEMBLY E (2 REQD). SEE THE DETAIL ON PAGE 42.
- ⑤ FILL MATERIAL, 4" WIDE BY 49" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/4 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TO NAILO TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑥ STRUT LEDGER, 2" X 4" BY 5" OR 6" (4 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑦ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REQD). TO NAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

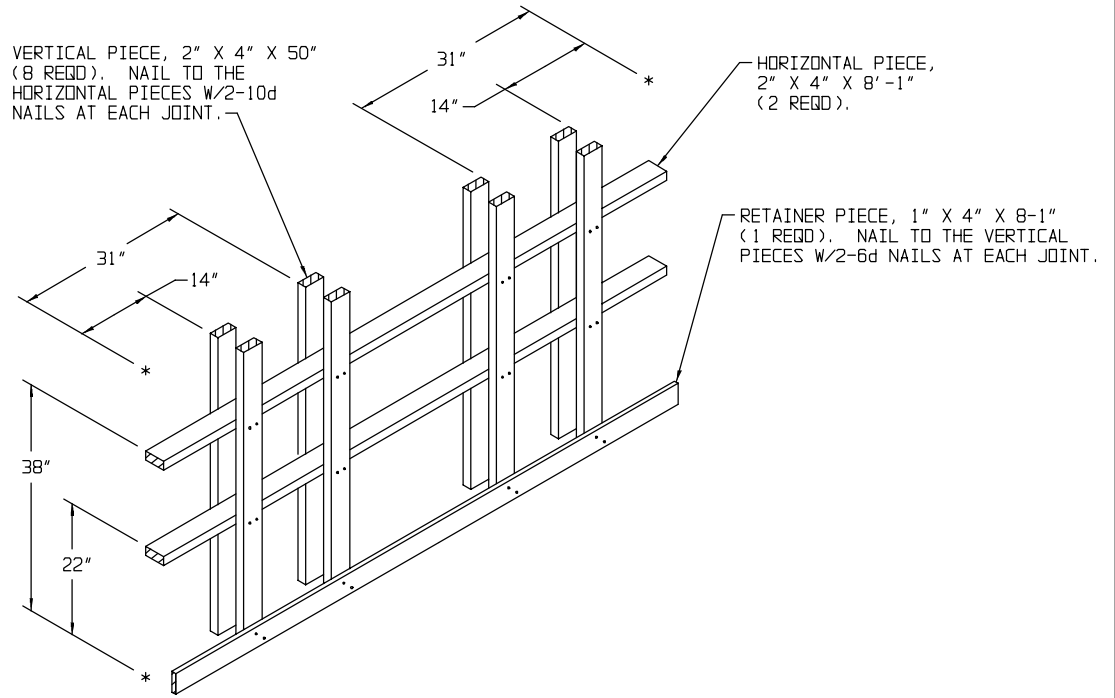
**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PREFABRICATE TWO FORWARD STRUT ASSEMBLIES E, TWO FORWARD/REAR BLOCKING ASSEMBLIES J AND TWO SIDE FILL ASSEMBLIES E.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES E.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY J.
5. INSTALL ONE SIDE FILL ASSEMBLY E AND LOAD FOUR PALLET UNITS.
6. REPEAT STEP 3.
7. INSTALL THE REAR BLOCKING ASSEMBLY J.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
9. INSTALL THE TWO DOOR SPANNER PIECES AND FOUR STRUT LEDGERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	17	6
2" X 4"	212	142
2" X 6"	61	61
4" X 4"	18	24
NAILS	NO. REQD	POUNDS
6d (2")	192	1-1/4
10d (3")	178	2-3/4
12d (3-1/4")	8	1/4
PLYWOOD, 1/2" - - -	48.03 SQ FT REQD - - -	66.05 LBS

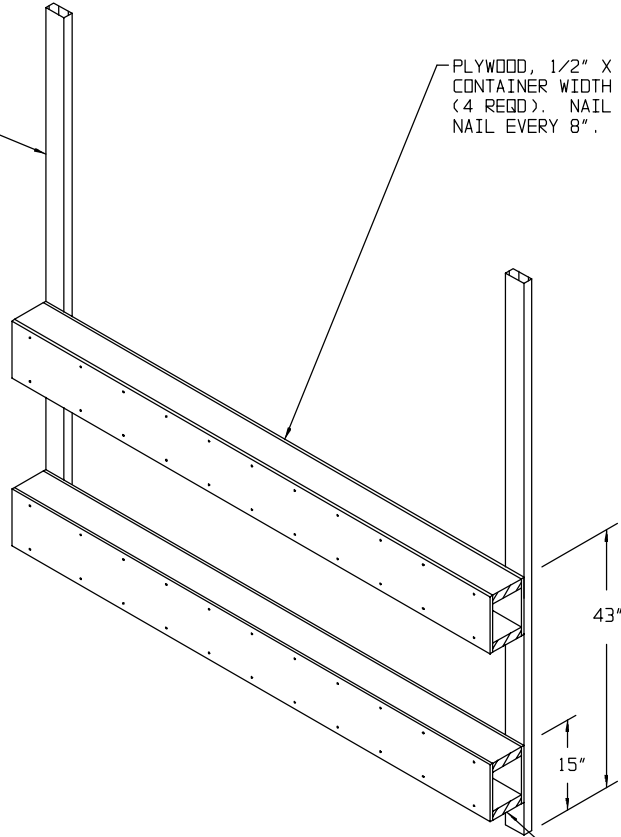
**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT - - - - -	8 - - - - -	21,432 LBS
DUNNAGE - - - - -	- - - - -	537 LBS
CONTAINER - - - - -	- - - - -	4,700 LBS
TOTAL WEIGHT - - - - -		26,669 LBS (APPROX)



SIDE FILL ASSEMBLY E

BUFFER PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-10"). (2 REQD). NAIL THRU PLYWOOD INTO THE BEAMS W/2-10d NAILS AT EACH JOINT.

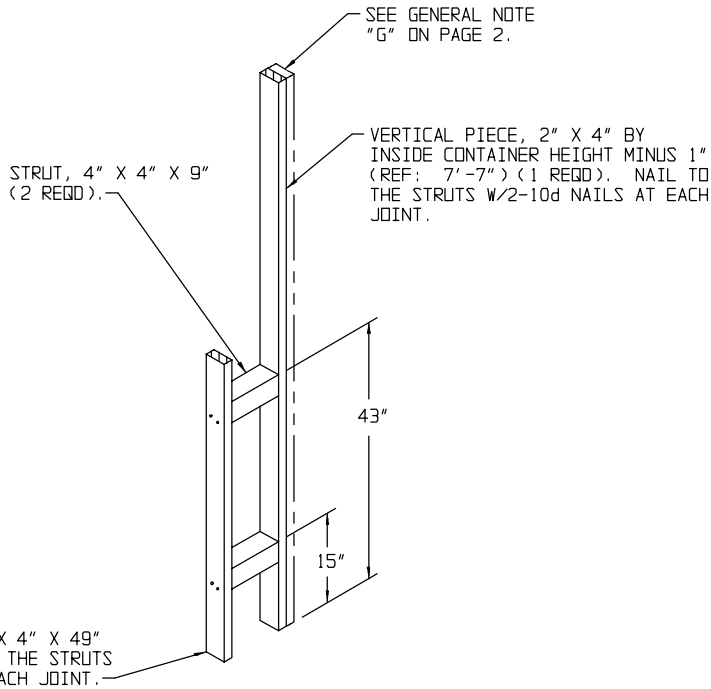


PLYWOOD, 1/2" X 9-1/2" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (4 REQD). NAIL TO THE BEAMS W/1-6d NAIL EVERY 8".

**FORWARD/REAR BLOCKING ASSEMBLY J**

A ONE LAYER LOAD MAY NOT EXCEED 22,800 POUNDS.

BEAM, 2" X 6" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (4 REQD).



SEE GENERAL NOTE "G" ON PAGE 2.

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

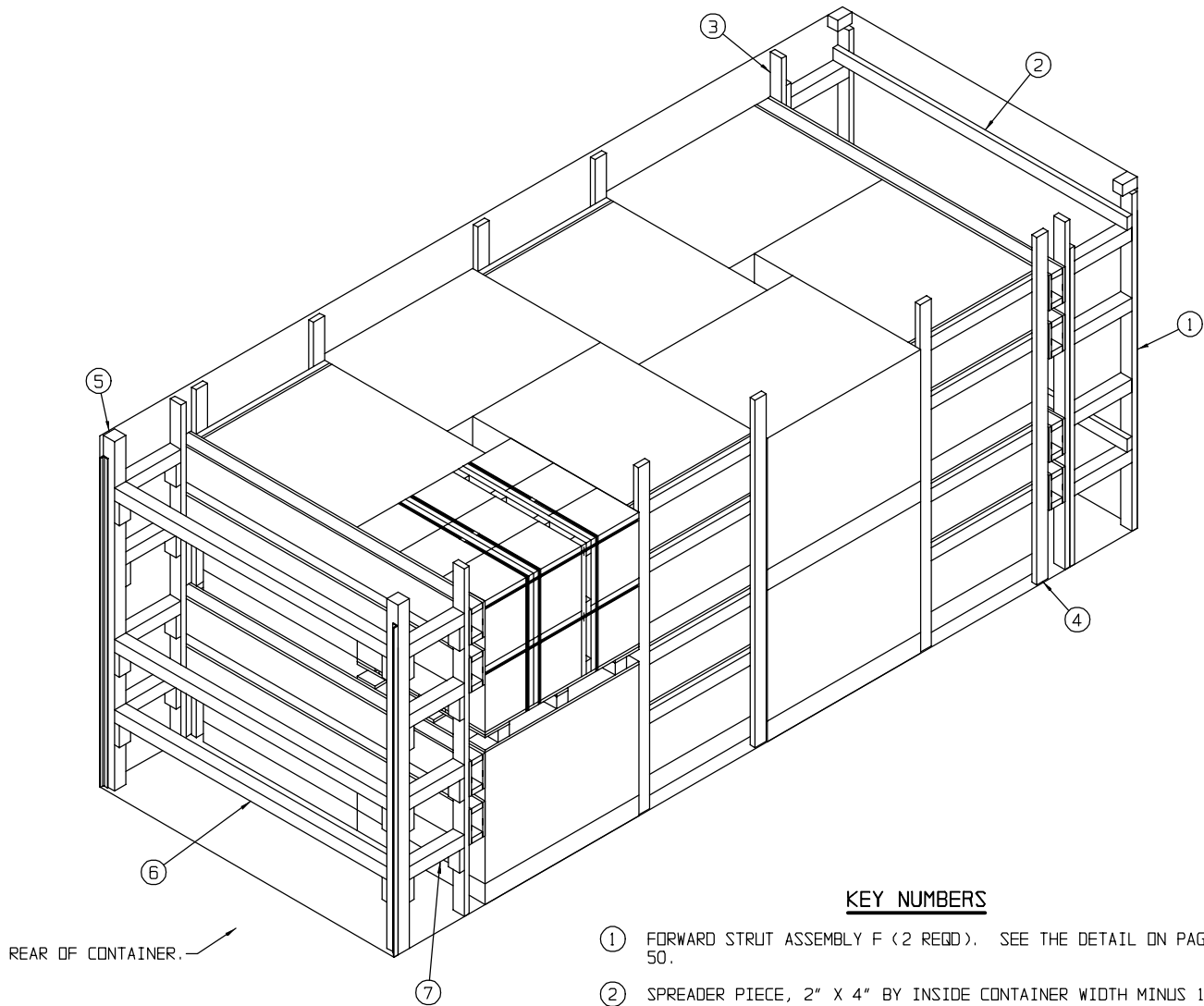
STRUT, 4" X 4" X 9" (2 REQD).

BEARING PIECE, 2" X 4" X 49" (1 REQD). NAIL TO THE STRUTS W/2-10d NAILS AT EACH JOINT.

**FORWARD STRUT ASSEMBLY E**



**PAGES 44  
THROUGH  
47 ARE NO  
LONGER  
APPROVED  
FOR USE.**



ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD STRUT ASSEMBLY F (2 REQD). SEE THE DETAIL ON PAGE 50.
- ② SPREADER PIECE, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO BUFFER PIECE OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY L (2 REQD). SEE THE DETAIL ON PAGE 50 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS. NOTE: STRUT LEDGERS ARE ONLY REQUIRED ON THE REAR BLOCKING ASSEMBLY. DO NOT INSTALL STRUT LEDGERS ON THE FORWARD BLOCKING ASSEMBLY.
- ④ SIDE FILL ASSEMBLY F (4 REQD). SEE THE DETAIL ON PAGE 51.
- ⑤ DOOR POST VERTICAL B (2 REQD). SEE THE DETAIL ON PAGE 51, "DETAIL A" AND THE SPECIAL NOTE ON PAGE 74, AND "DETAIL B" AND THE SPECIAL NOTE ON PAGE 75.
- ⑥ DOOR SPANNER, 4" X 4" MATERIAL CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (3 REQD). TO NAIL TO THE 4" X 4" DOOR POST VERTICAL PIECES W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8.
- ⑦ STRUT, 4" X 4" BY CUT-TO-FIT (REF: 17'-1/4") (8 REQD). TO NAIL TO THE BUFFER PIECES OF THE REAR BLOCKING ASSEMBLY AND THE DOOR POST VERTICAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8.

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES F, TWO FORWARD/REAR BLOCKING ASSEMBLIES L, FOUR SIDE FILL ASSEMBLIES F AND TWO DOOR POST VERTICALS B.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES F.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY L.
5. INSTALL ONE SIDE FILL ASSEMBLY F AND LOAD FOUR PALLET UNITS.
6. REPEAT STEP 5 THREE MORE TIMES.
7. INSTALL THE REAR BLOCKING ASSEMBLY L.
8. INSTALL THE TWO DOOR POST VERTICALS B.
9. INSTALL THE TOP AND BOTTOM DOOR SPANNER PIECES.
10. INSTALL THE STRUTS BETWEEN THE REAR BLOCKING ASSEMBLY AND THE DOOR POST VERTICALS.
11. INSTALL THE REMAINING DOOR SPANNER PIECE.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	54	18
2" X 4"	329	220
4" X 4"	61	82
NAILS	NO. REQD	POLUNDS
6d (2")	416	2-1/2
10d (3")	238	3-3/4
12d (3-1/4")	44	3/4
PLYWOOD, 3/4"	96.05 SQ FT REQD	198.10 LBS

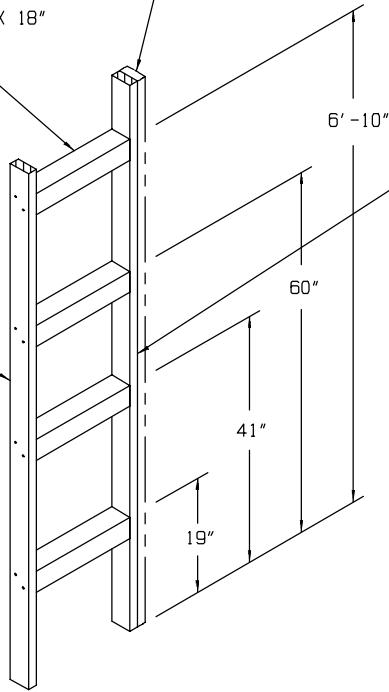
**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	16	32,816 LBS
DUNNAGE		846 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		38,362 LBS (APPROX)

SEE GENERAL NOTE  
"G" ON PAGE 2.

STRUT, 4" X 4" X 18"  
(4 REQD).

VERTICAL PIECE, 2" X 4"  
X 7'-2" (1 REQD). NAIL  
TO THE STRUTS W/2-10d  
NAILS AT EACH JOINT.



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

**FORWARD STRUT ASSEMBLY F**

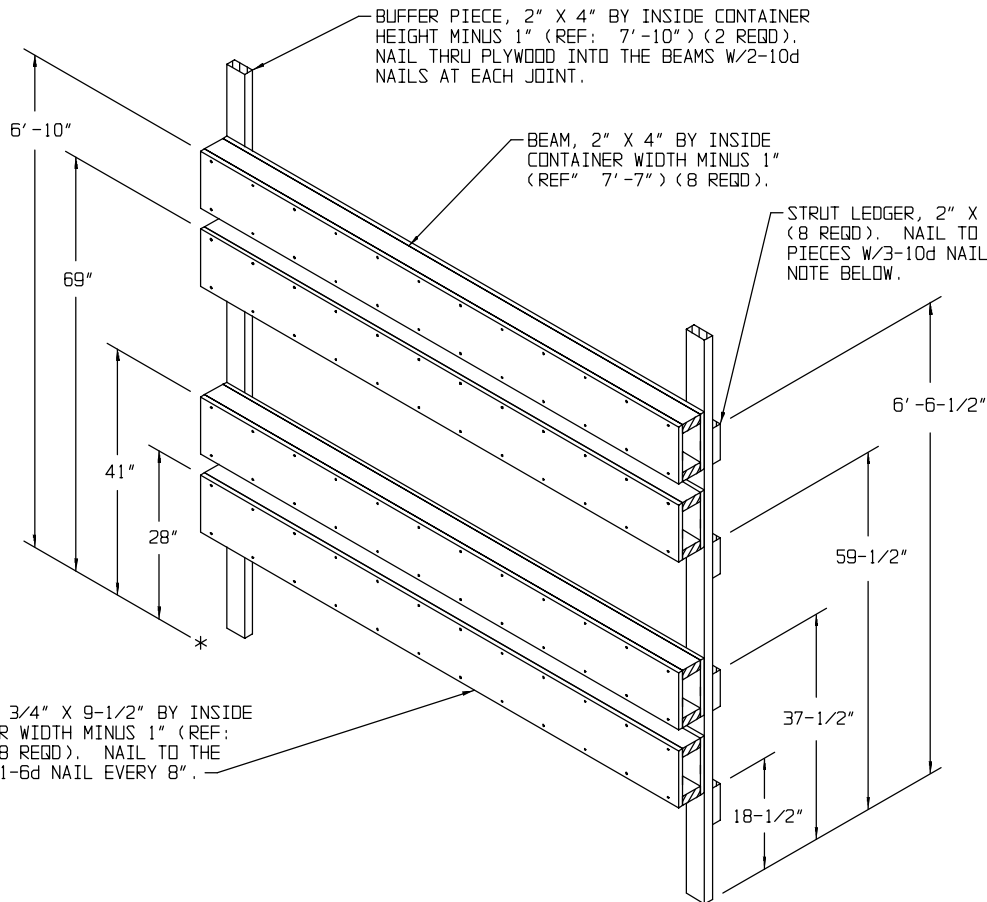
FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECE  
TO 47" AND ELIMINATE THE TOP TWO STRUTS.

BUFFER PIECE, 2" X 4" BY INSIDE CONTAINER  
HEIGHT MINUS 1" (REF: 7'-10") (2 REQD).  
NAIL THRU PLYWOOD INTO THE BEAMS W/2-10d  
NAILS AT EACH JOINT.

BEAM, 2" X 4" BY INSIDE  
CONTAINER WIDTH MINUS 1"  
(REF: 7'-7") (8 REQD).

STRUT LEDGER, 2" X 4" X 6"  
(8 REQD). NAIL TO THE VERTICAL  
PIECES W/3-10d NAILS. SEE  
NOTE BELOW.

PLYWOOD, 3/4" X 9-1/2" BY INSIDE  
CONTAINER WIDTH MINUS 1" (REF:  
7'-7") (8 REQD). NAIL TO THE  
BEAMS W/1-6d NAIL EVERY 8".

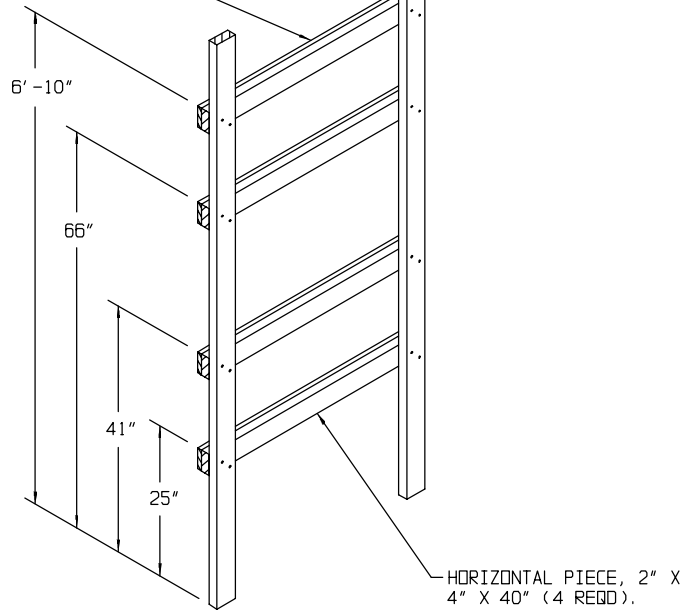


**FORWARD/REAR BLOCKING ASSEMBLY L**

NOTE: STRUT LEDGERS ARE ONLY REQUIRED ON THE REAR BLOCKING  
ASSEMBLY. DO NOT INSTALL STRUT LEDGERS ON THE FORWARD BLOCKING  
ASSEMBLY. FOR A ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM  
ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 35,260 AND A ONE  
HIGH LOAD MAY NOT EXCEED 17,630.

FILL PIECE, 1" X 4" X 40"  
(4 REQD). LAMINATE TO  
THE HORIZONTAL PIECE  
W/4-6d NAILS.

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

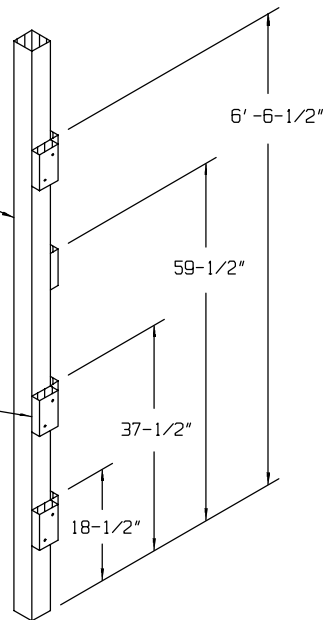


**SIDE FILL ASSEMBLY F**

FOR A ONE-HIGH LOAD, ELIMINATE THE TOP TWO FILL  
PIECES AND THE TOP TWO HORIZONTAL PIECES.

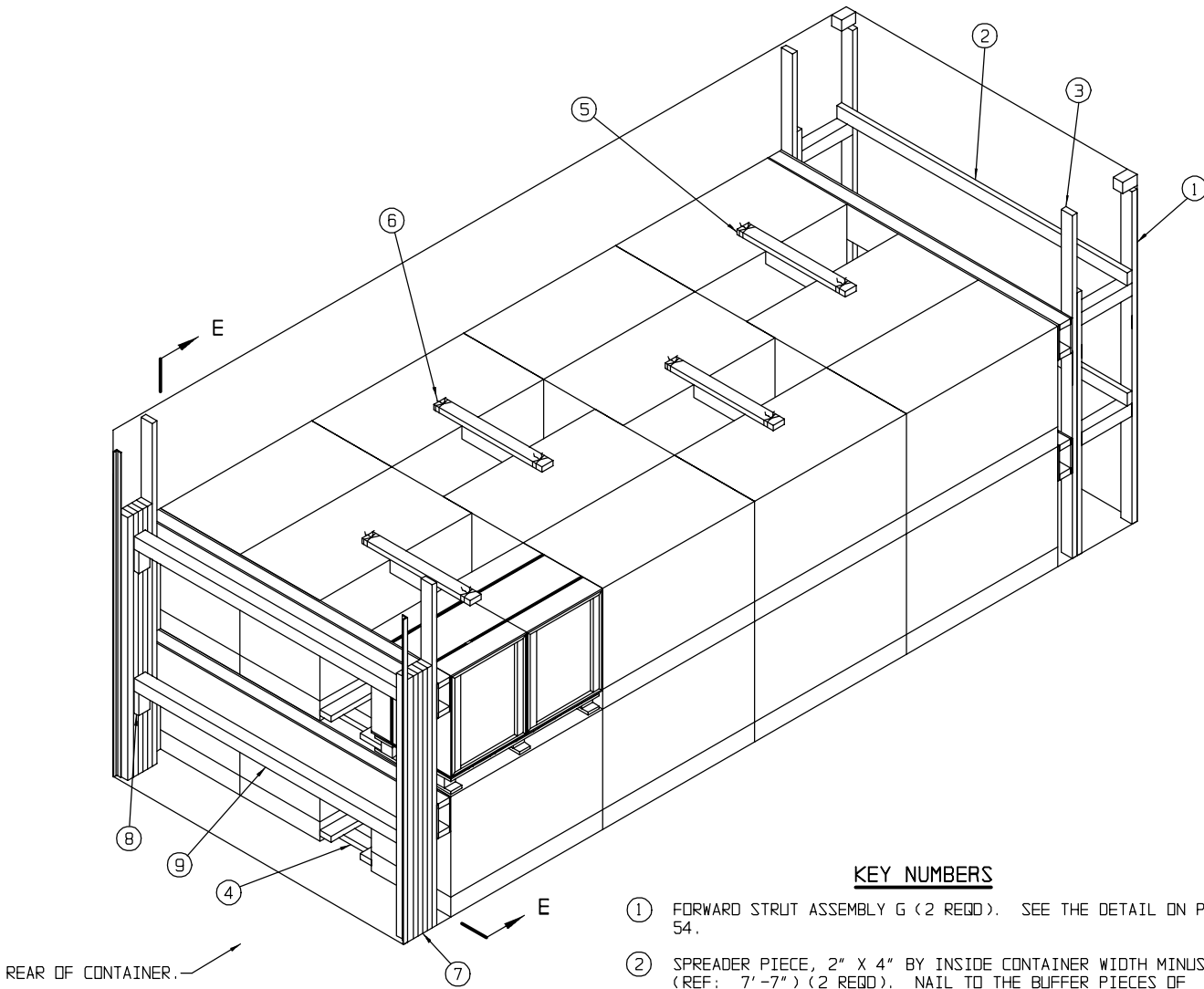
VERTICAL PIECE, 4" X 4"  
BY INSIDE CONTAINER  
HEIGHT MINUS 1/2"  
(REF: 7'-10-1/2")  
(1 REQD).

STRUT LEDGER, 2" X 4" X 6"  
(7 REQD). NAIL TO THE  
VERTICAL PIECE W/2-10d  
NAILS.

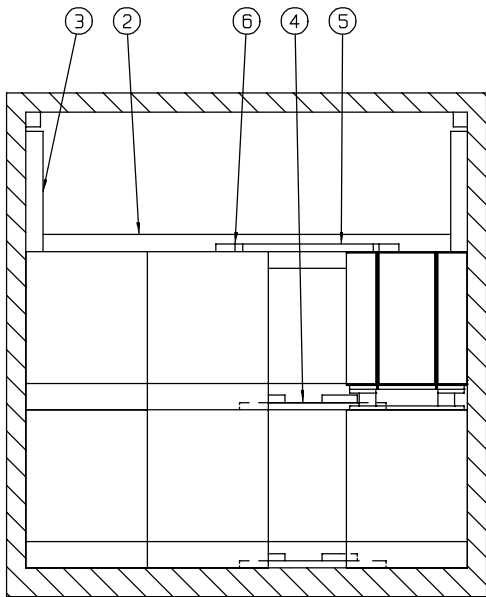


**DOOR POST VERTICAL B**

FOR A ONE HIGH LOAD, ELIMINATE THE  
TOP THREE STRUT LEDGERS.



**ISOMETRIC VIEW**



**SECTION E-E**

**KEY NUMBERS**

- ① FORWARD STRUT ASSEMBLY G (2 REQD). SEE THE DETAIL ON PAGE 54.
- ② SPREADER PIECE, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO THE BUFFER PIECES OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY M (2 REQD). SEE THE DETAIL ON PAGE 54 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ ANTI-SWAY BRACE A (8 REQD). SEE THE DETAIL ON PAGE 72.
- ⑤ TOP SPACER C (4 REQD). SEE THE DETAIL ON PAGE 55.
- ⑥ TIE WIRE, NO. 14 GAGE WIRE 24" LONG (8 REQD). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE TOP SPACER AND THE TIEDOWN STRAP OF THE SKIDDED UNIT.
- ⑦ FILL MATERIAL, 4" WIDE BY 72" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN THENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.
- ⑧ STRUT LEDGER, 2" X 4" X 6" (4 SHOWN - OPTIONAL). INSTALL IF DESIRED TO AID IN THE INSTALLATION OF SPANNER PIECES. NAIL TO THE FILL MATERIAL W/2-10d NAILS.
- ⑨ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE FOR A DRIVE FIT (REF: 7'-1-3/8") (2 REQD). THENAIL TO THE FILL MATERIAL W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 8 AND THE "SPANNER/FILL INSTALLATION" ON PAGE 76. NOTE THAT THESE PIECES ARE NOT REQUIRED IF THE SPACE BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER IS NOT GREATER THAN 6".

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

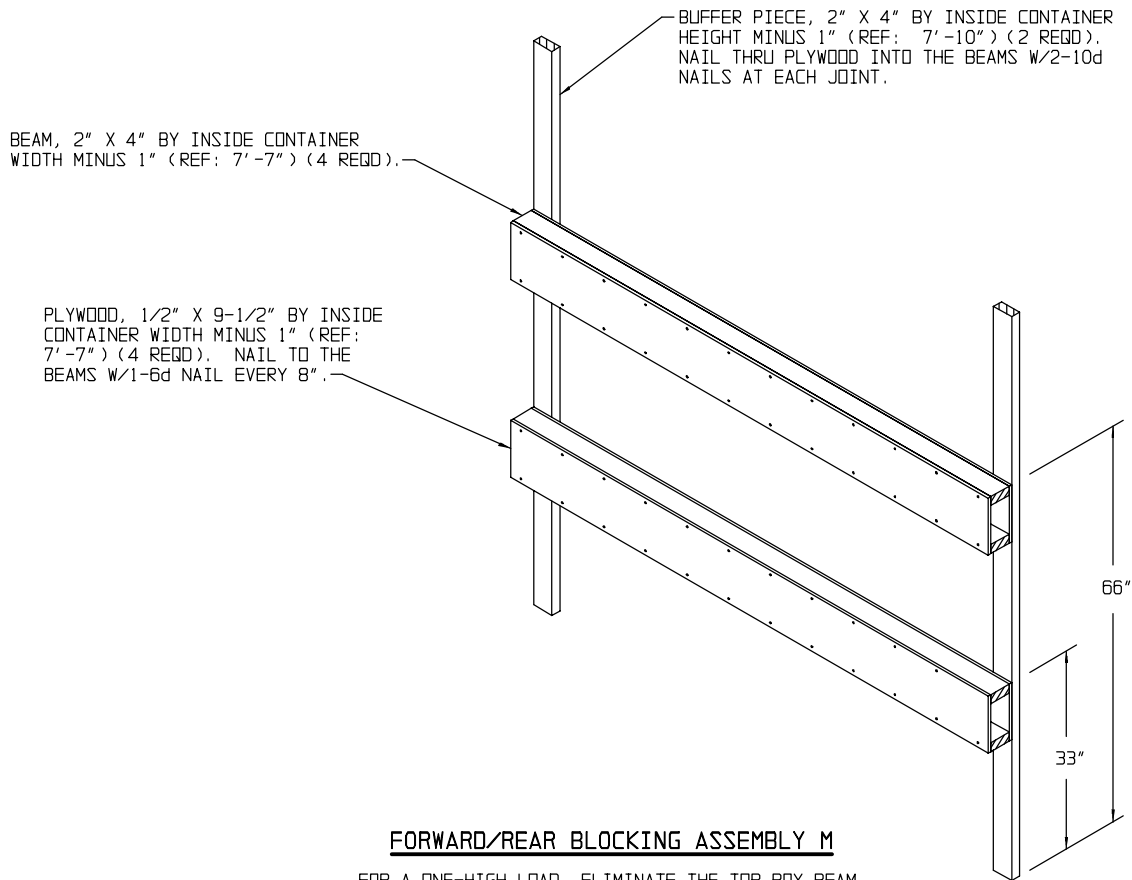
1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES G, TWO FORWARD/REAR BLOCKING ASSEMBLIES M AND FOUR TOP SPACER ASSEMBLIES C.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES G.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY M.
5. LOAD SIX SKIDDED UNITS AND INSTALL TWO LOWER ANTI-SWAY BRACES A (THESE ASSEMBLIES MUST BE FABRICATED IN PLACE, BETWEEN THE SKIDDED UNITS).
6. INSTALL ONE TOP SPACER C ASSEMBLY AND WIRE TIE.
7. REPEAT STEPS 5 AND 6 THREE TIMES APIECE.
8. INSTALL THE REAR BLOCKING ASSEMBLY M.
9. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.
10. INSTALL THE TWO DOOR SPANNER PIECES AND FOUR STRUT LEDGERS.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	298	199
2" X 8"	32	43
4" X 4"	25	34
NAILS	NO. REQD	POUNDS
6d (2")	176	1-1/4
10d (3")	226	3-1/2
12d (3-1/4")	8	1/4
WIRE, NO. 14 GAGE	16' FT REQD	1/4 LB
PLYWOOD, 1/2"	48.03 SQ FT REQD	66.04 LBS

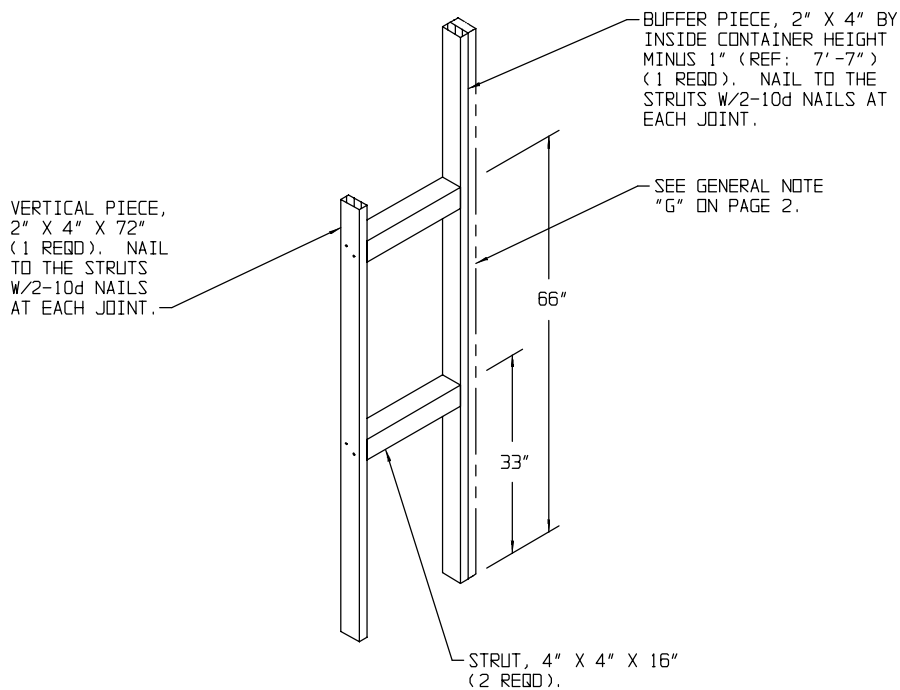
**LOAD AS SHOWN**

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
SKIDDED UNIT	24	7,056 LBS
DUNNAGE		624 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		12,380 LBS (APPROX)



**FORWARD/REAR BLOCKING ASSEMBLY M**

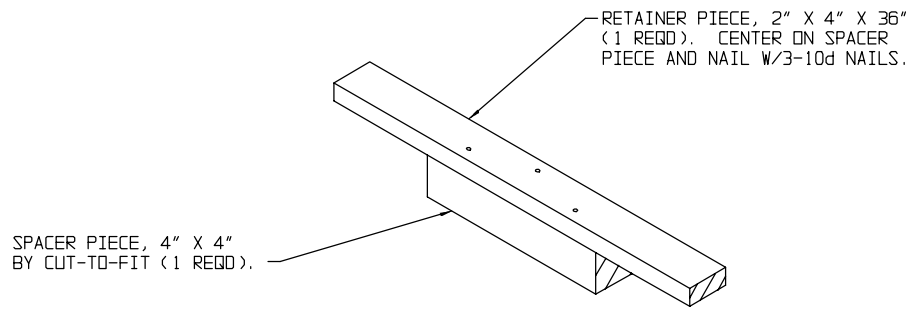
FOR A ONE-HIGH LOAD, ELIMINATE THE TOP BOX BEAM ASSEMBLY. A TWO LAYER LOAD MAY NOT EXCEED 12,650 AND A ONE HIGH LOAD MAY NOT EXCEED 6,325.



**FORWARD STRUT ASSEMBLY G**

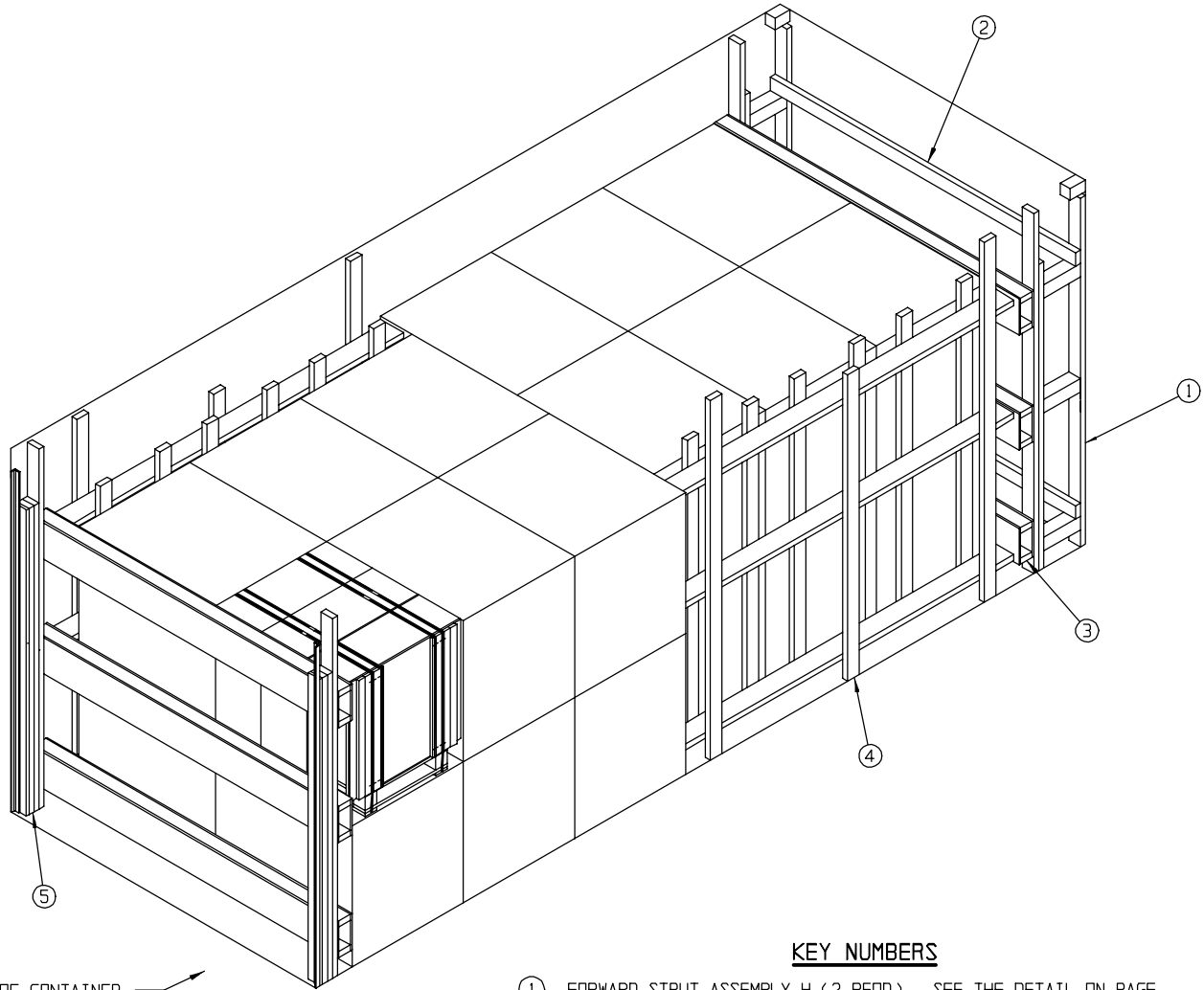
FOR A ONE-HIGH LOAD, LOCATE THE STRUTS AT 33" AND 9" AND SHORTEN THE VERTICAL PIECE TO 39".





TOP SPACER C

SEE GENERAL NOTE "Q" ON PAGE 2.



REAR OF CONTAINER. →

ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD STRUT ASSEMBLY H (2 REQD). SEE THE DETAIL ON PAGE 59.
- ② SPREADER PIECE, 2" X 4' BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (2 REQD). NAIL TO THE BUFFER PIECES OF PIECE MARKED ① W/2-10d NAILS AT EACH END.
- ③ FORWARD/REAR BLOCKING ASSEMBLY N (2 REQD). SEE THE DETAIL ON PAGE 59 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80. NAIL THROUGH THE BUFFER PIECES INTO THE VERTICAL PIECES OF PIECE MARKED ① W/5-10d NAILS.
- ④ SIDE FILL ASSEMBLY G (2 REQD). SEE THE DETAIL ON PAGE 58.
- ⑤ FILL MATERIAL, 4" WIDE BY 6'-8" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/7 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TO NAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD STRUT ASSEMBLIES H, TWO FORWARD/ REAR BLOCKING ASSEMBLIES N, AND TWO SIDE FILL ASSEMBLIES G.
2. INSTALL THE TWO FORWARD STRUT ASSEMBLIES H.
3. INSTALL THE TWO SPREADER PIECES.
4. INSTALL THE FORWARD BLOCKING ASSEMBLY N.
5. INSTALL ONE SIDE FILL ASSEMBLY G AND LOAD TWELVE SKIDDED UNITS.
6. REPEAT STEP 5.
7. INSTALL REAR BLOCKING ASSEMBLY N.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.

**BILL OF MATERIAL**

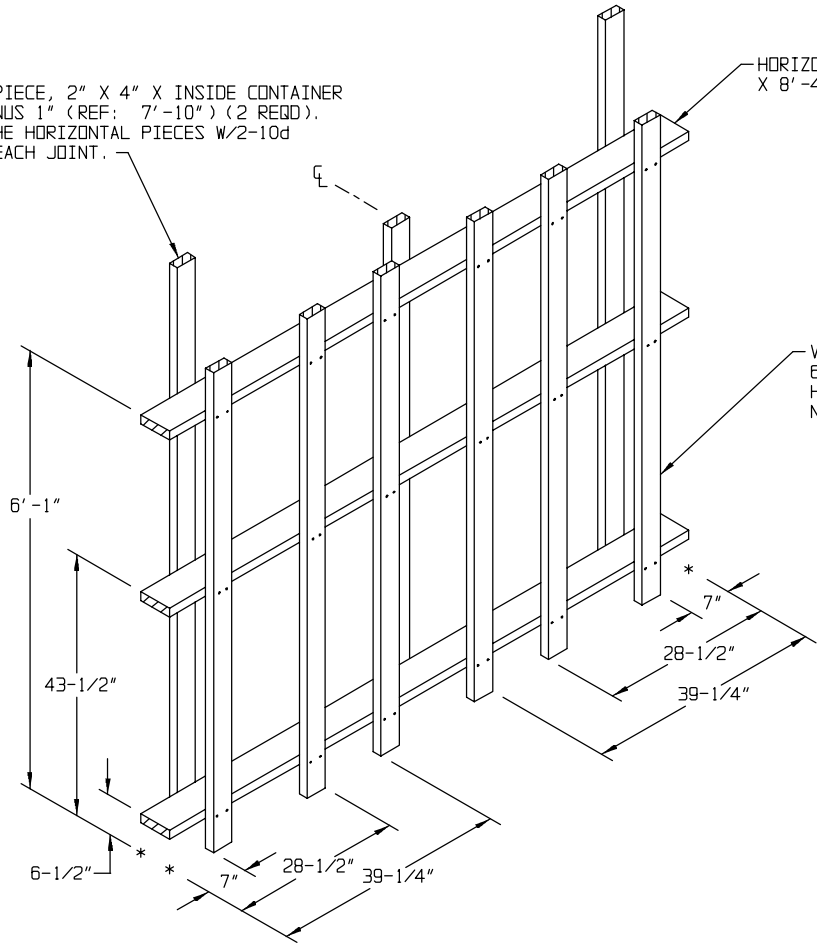
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	304	203
2" X 6"	50	50
4" X 4"	6	8
NAILS	NO. REQD	POUNDS
6d (2")	264	1-3/4
10d (3")	214	3-1/2
PLYWOOD, 1/2"	72.05 SQ FT REQD	99.07 LBS

**LOAD AS SHOWN**

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
SKIDDED UNIT	24	11,520 LBS
DUNNAGE		627 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		16,847 LBS (APPROX)

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

HORIZONTAL PIECE, 2" X 6" X 8'-4" (3 REQD).



VERTICAL PIECE, 2" X 4" X 6'-8" (7 REQD). NAIL TO THE HORIZONTAL PIECES W/2-10d NAILS AT EACH JOINT.

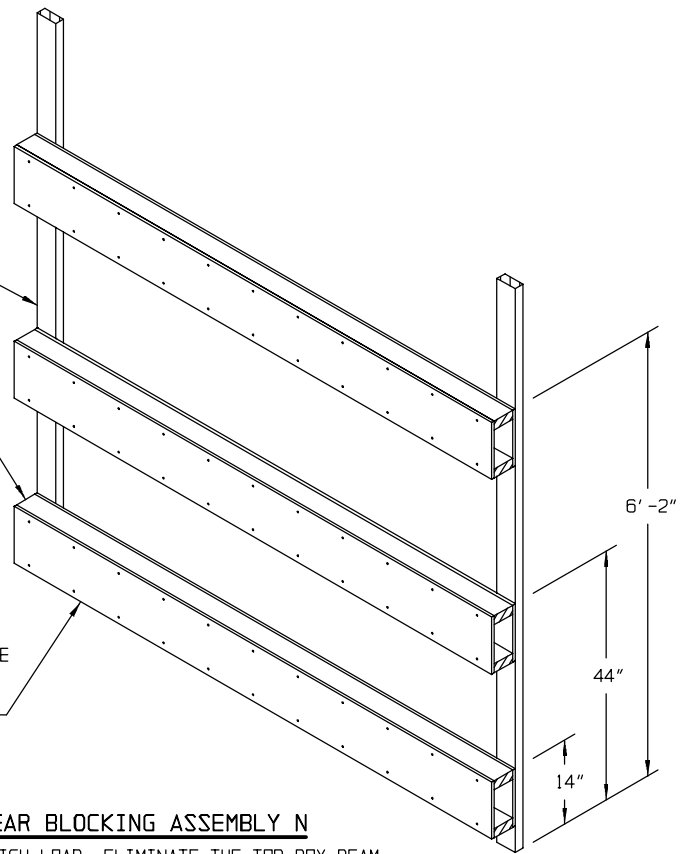
**SIDE FILL ASSEMBLY G**

FOR A ONE HIGH LOAD, REDUCE THE 6'-8" VERTICAL PIECES TO 42" (7 PIECES), LOWER THE 43-1/2" HIGH HORIZONTAL PIECE TO 36-1/2" HIGH, AND ELIMINATE THE TOP HORIZONTAL PIECE.

BUFFER PIECE, 2" X 4" BY INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-10") (2 REQD). NAIL THRU PLYWOOD INTO THE BEAMS W/2-10d NAILS AT EACH JOINT.

BEAM, 2" X 4" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (6 REQD).

PLYWOOD, 1/2" X 9-1/2" BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (6 REQD). NAIL TO THE BEAMS W/1-6d NAIL EVERY 8".



**FORWARD/REAR BLOCKING ASSEMBLY N**

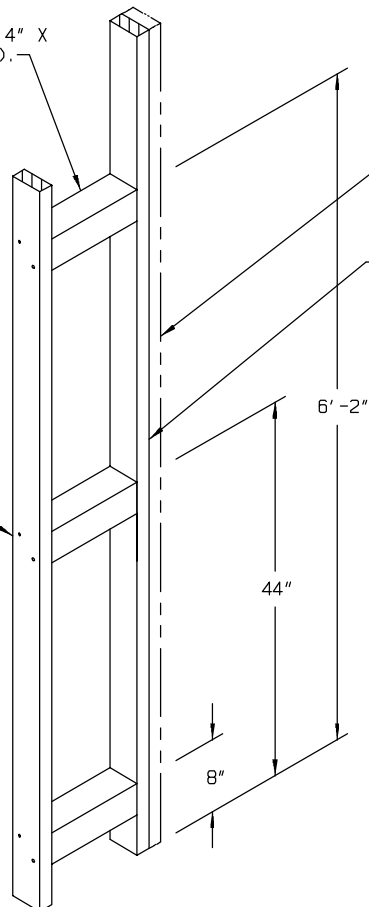
NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP BOX BEAM ASSEMBLY AND LOWER THE BOX BEAM ASSEMBLY CURRENTLY LOCATED AT 44" TO 37". A TWO LAYER LOAD MAY NOT EXCEED 18,975 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 12,650 POUNDS.

STRUT, 4" X 4" X 11" (3 REQD).

VERTICAL PIECE, 2" X 4" X 6'-8" (1 REQD). NAIL TO THE STRUTS W/2-10d NAILS AT EACH JOINT.

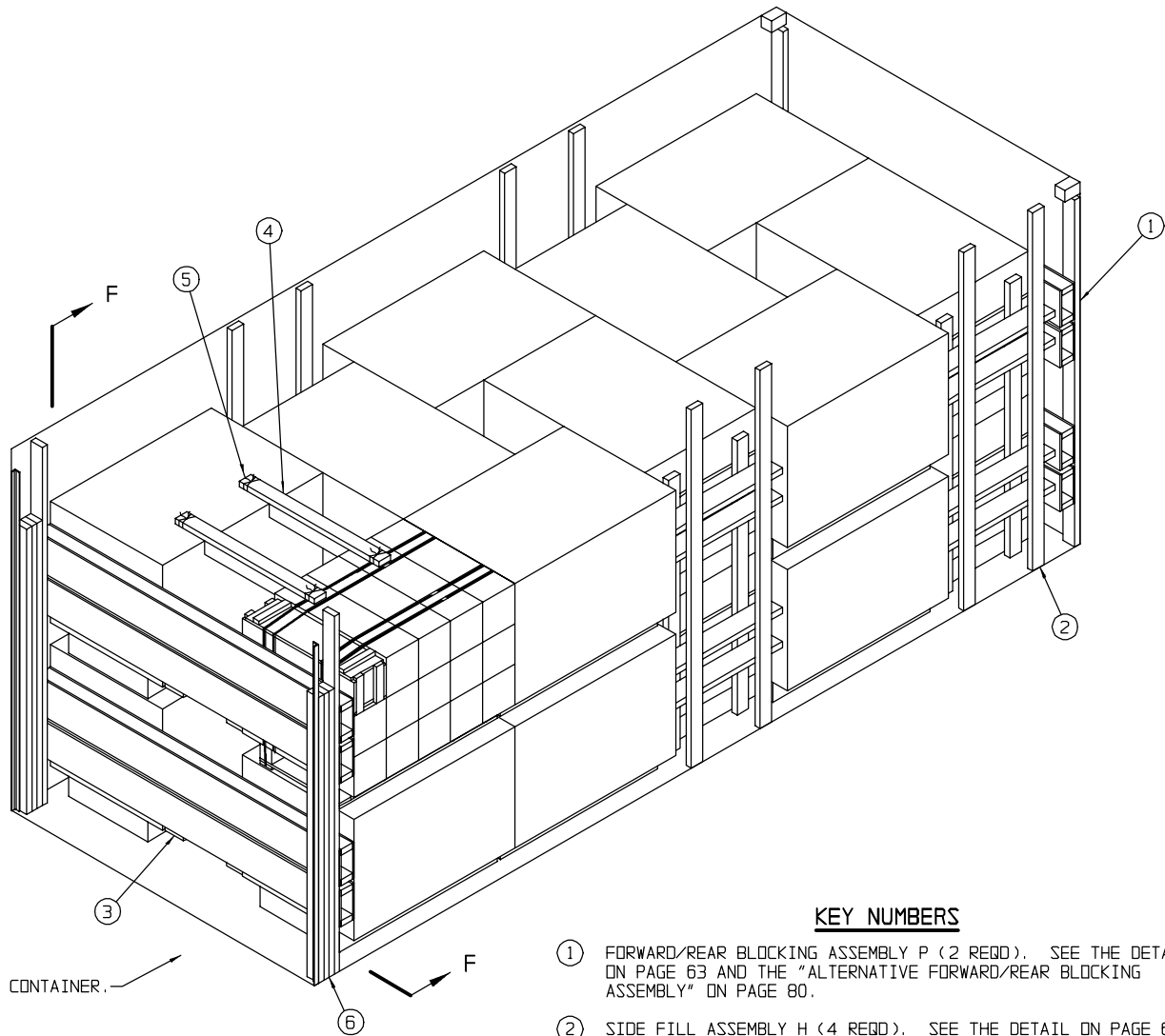
SEE GENERAL NOTE "G" ON PAGE 2.

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



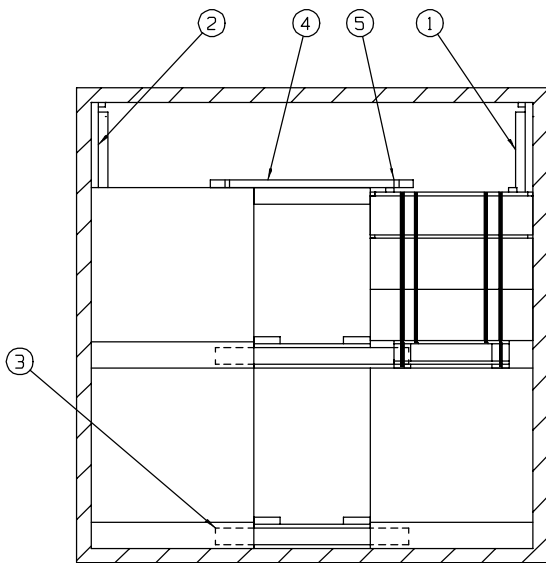
**FORWARD STRUT ASSEMBLY H**

FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECE TO 42", LOWER THE MIDDLE STRUT TO 37", AND ELIMINATE THE TOP STRUT.



REAR OF CONTAINER.

**ISOMETRIC VIEW**



**SECTION F-F**

**KEY NUMBERS**

- ① FORWARD/REAR BLOCKING ASSEMBLY P (2 REQD). SEE THE DETAIL ON PAGE 63 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80.
- ② SIDE FILL ASSEMBLY H (4 REQD). SEE THE DETAIL ON PAGE 62.
- ③ ANTI-SWAY BRACE B (2 REQD). SEE THE DETAIL ON PAGE 73.
- ④ TOP SPACER D (2 REQD). SEE THE DETAIL ON PAGE 62.
- ⑤ TIE WIRE, NO. 14 GAGE WIRE 24" LONG (4 REQD). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE TOP SPACER AND THE UNITIZING STRAP OF THE SKIDDED UNIT.
- ⑥ FILL MATERIAL, 4" WIDE BY 6'-4" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TOENAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

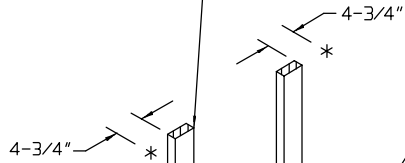
1. PRE-FABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES P, FOUR SIDE FILL ASSEMBLIES H AND TWO TOP SPACER ASSEMBLIES D.
2. INSTALL THE FORWARD BLOCKING ASSEMBLY P.
3. INSTALL ONE SIDE FILL ASSEMBLY H AND LOAD FOUR SKIDDED UNITS.
4. REPEAT STEP 3 THREE TIMES.
5. LOAD THE LAST FOUR SKIDDED UNITS.
6. INSTALL THE TWO ANTI-SWAY BRACES B (THESE ASSEMBLIES MUST BE FABRICATED IN PLACE, BETWEEN THE SKIDDED UNITS) AND THE TWO TOP SPACER D ASSEMBLIES AND WIRE TIE.
7. INSTALL THE REAR BLOCKING ASSEMBLY P.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	51	17
2" X 4"	308	206
2" X 6"	61	61
4" X 4"	15	20
NAILS	NO. REQD	POUNDS
6d (2")	416	2-1/2
10d (3")	234	3-3/4
16d (3-1/2")	24	3/4
WIRE, NO. 14 GAGE	8' REQD	NIL
PLYWOOD, 1/2"	96.06 SQ FT REQD	132.08 LBS

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
SKIDDED UNIT	20	20,740 LBS
DUNNAGE		748 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		26,188 LBS (APPROX)

BUFFER PIECE, 2" X 4" X INSIDE CONTAINER HEIGHT MINUS 1" (REF: 7'-10") (2 REQD). NAIL TO THE HORIZONTAL PIECES W/2-10d NAILS AT EACH JOINT.

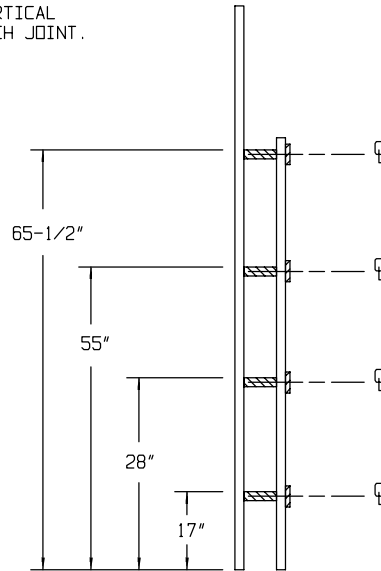


BEARING PIECE, 1" X 4" X 33-3/4" (4 REQD). CENTER ON HORIZONTAL PIECES AND NAIL TO THE VERTICAL PIECES W/2-6d NAILS AT EACH JOINT.

HORIZONTAL PIECE, 2" X 6" X 33-3/4" (4 REQD).

VERTICAL PIECE, 2" X 4" X 72" (2 REQD). NAIL TO THE HORIZONTAL PIECES W/2-10d NAILS AT EACH JOINT.

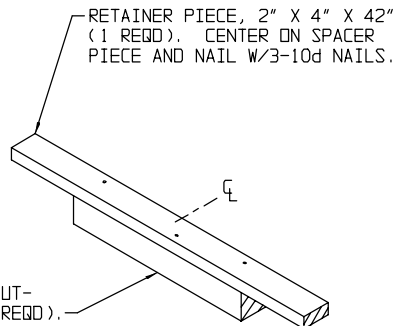
VIEW C



VIEW C

**SIDE FILL ASSEMBLY H**

FOR A ONE HIGH LOAD, REDUCE THE VERTICAL PIECES TO 34" AND ELIMINATE THE TOP TWO BEARING PIECES AND THE TOP TWO HORIZONTAL PIECES.



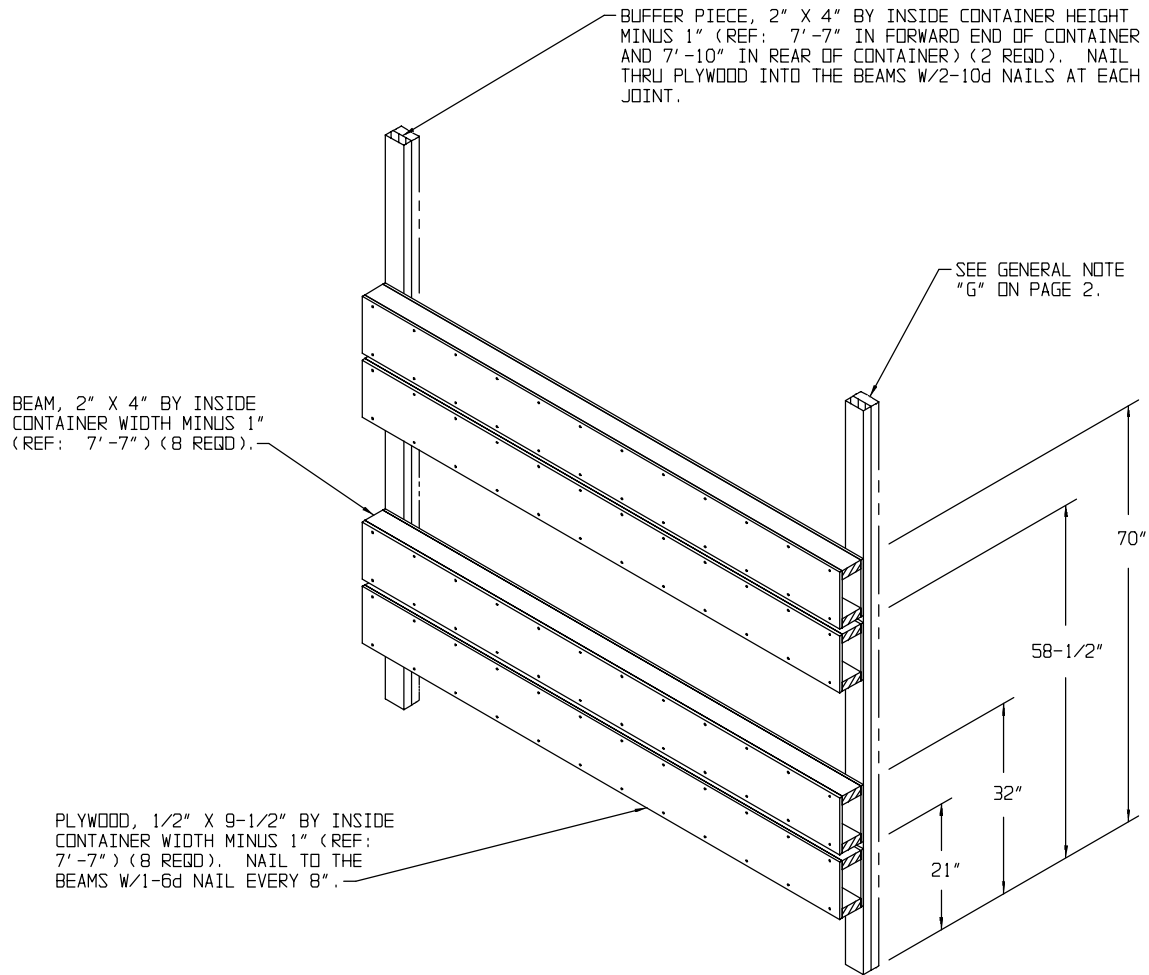
SPACER PIECE, 4" X 4" BY CUT-TO-FIT (REF: 24-1/4") (1 REQD).

RETAINER PIECE, 2" X 4" X 42" (1 REQD). CENTER ON SPACER PIECE AND NAIL W/3-10d NAILS.

**TOP SPACER D**

SEE GENERAL NOTE "G" ON PAGE 2.

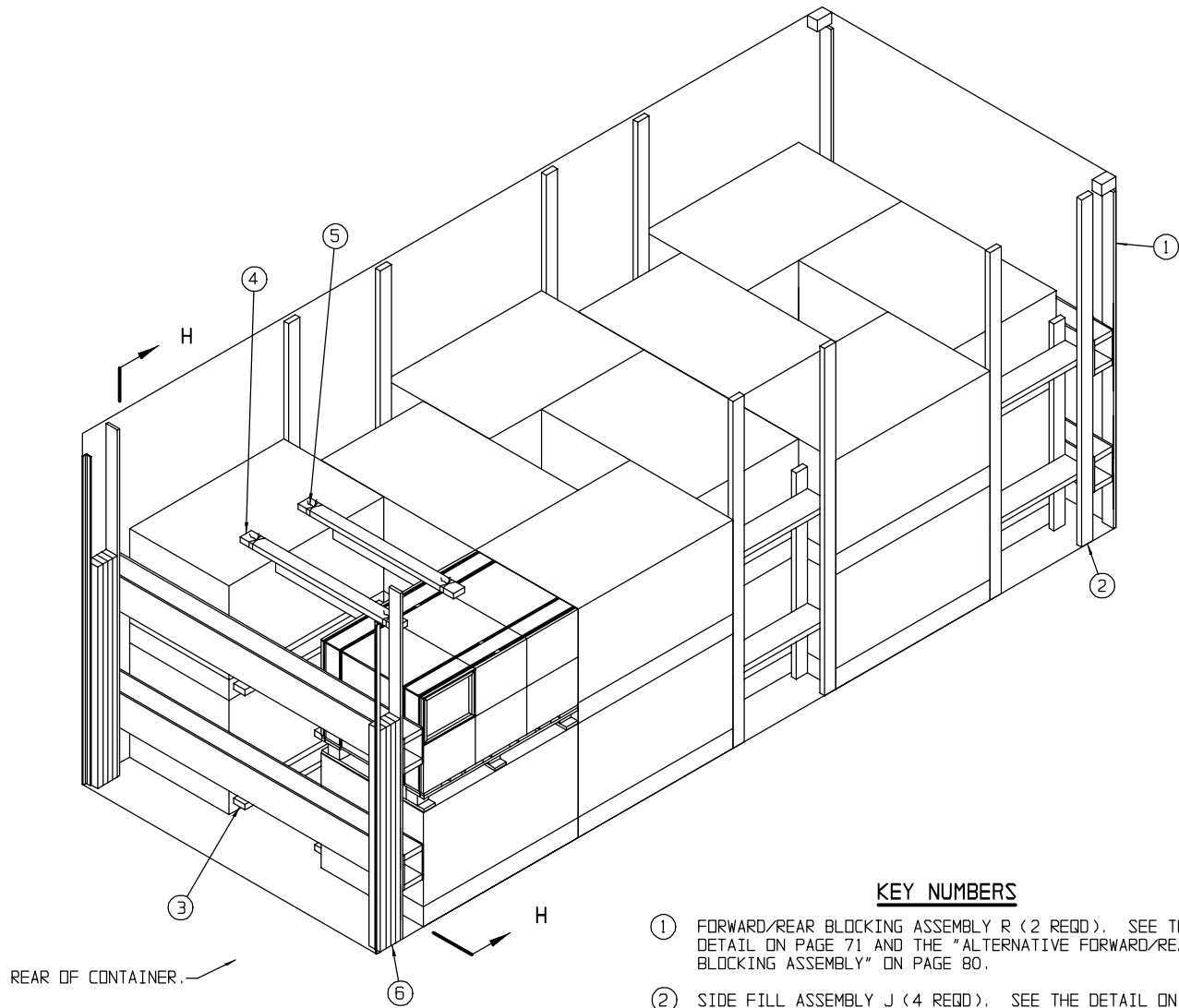




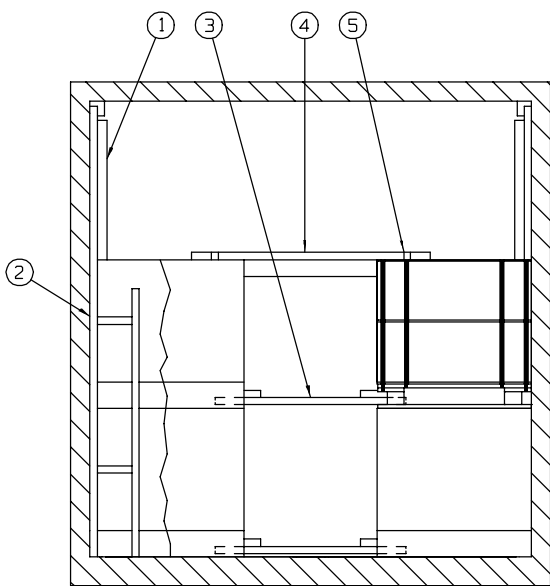
**FORWARD/REAR BLOCKING ASSEMBLY P**

NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP TWO BOX BEAM ASSEMBLIES. A TWO LAYER LOAD MAY NOT EXCEED 25,300 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 12,650 POUNDS.

**PAGES 64  
THROUGH  
67 ARE NO  
LONGER  
APPROVED  
FOR USE.**



**ISOMETRIC VIEW**



**SECTION H-H**

**KEY NUMBERS**

- ① FORWARD/REAR BLOCKING ASSEMBLY R (2 REQD). SEE THE DETAIL ON PAGE 71 AND THE "ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY" ON PAGE 80.
- ② SIDE FILL ASSEMBLY J (4 REQD). SEE THE DETAIL ON PAGE 70.
- ③ ANTI-SWAY BRACE A (2 REQD). SEE THE DETAIL ON PAGE 72.
- ④ TOP SPACER E (2 REQD). SEE THE DETAIL ON PAGE 70.
- ⑤ TIE WIRE, NO. 14 GAGE WIRE 24" LONG (4 REQD). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE TOP SPACER AND THE TIEDOWN STRAP OF THE SKIDDED UNIT.
- ⑥ FILL MATERIAL, 4" WIDE BY 60" LONG MATERIAL (AS REQD). NAIL THE FIRST PIECE TO THE REAR BLOCKING ASSEMBLY W/5 NAILS OF A SUITABLE SIZE (10d FOR 2" THICK MATERIAL). NAIL EACH ADDITIONAL PIECE TO THE PREVIOUS PIECE IN A SIMILAR MANNER. NOTE: MULTIPLE PIECES MAY BE LAMINATED TOGETHER FIRST AND THEN TO NAILED TO THE REAR BLOCKING ASSEMBLY. SEE THE "SOLID FILL DETAIL A" ON PAGE 74 AND THE "SOLID FILL DETAIL B" ON PAGE 75.

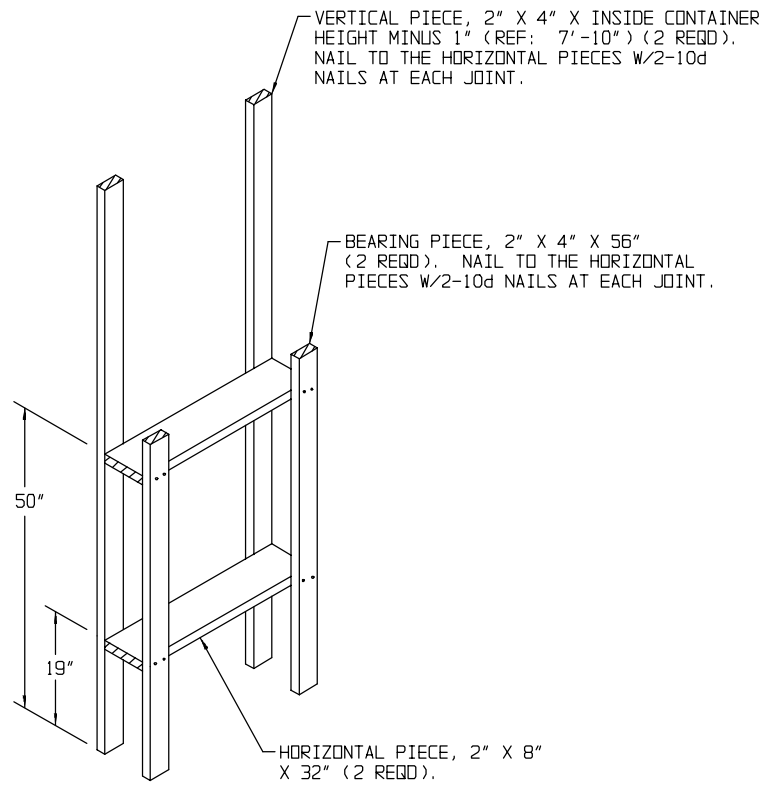
**RECOMMENDED SEQUENTIAL LOADING PROCEDURES**

1. PRE-FABRICATE TWO FORWARD/REAR BLOCKING ASSEMBLIES R, FOUR SIDE FILL ASSEMBLIES J AND TWO TOP SPACER ASSEMBLIES E.
2. INSTALL THE FORWARD BLOCKING ASSEMBLY R.
3. INSTALL ONE SIDE FILL ASSEMBLY J AND LOAD FOUR SKIDDED UNITS.
4. REPEAT STEP 3 THREE TIMES.
5. LOAD THE LAST FOUR SKIDDED UNITS.
6. INSTALL TWO ANTI-SWAY BRACES A AND TWO TOP SPACER E ASSEMBLIES AND WIRE TIE.
7. INSTALL THE REAR BLOCKING ASSEMBLY R.
8. INSTALL THE FILL MATERIAL BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINERS.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	31	11
2" X 4"	170	114
2" X 6"	61	61
2" X 8"	22	30
4" X 4"	5	7
NAILS	NO. REQD	POUNDS
6d (2")	208	1-1/4
10d (3")	124	2
WIRE, NO. 14 GAGE	8' REQD	NIL
PLYWOOD, 1/2"	48.03 SQ FT REQD	66.04 LBS

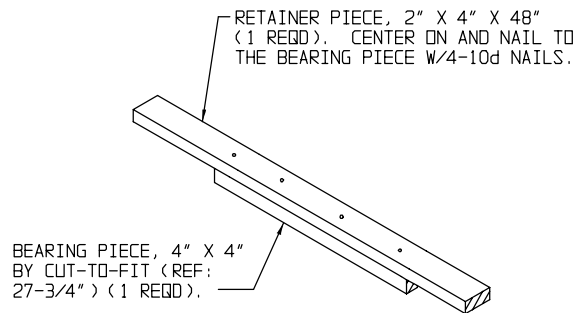
**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
SKIDDED UNIT	20	15,800 LBS
DUNNAGE		516 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		21,016 LBS (APPROX)



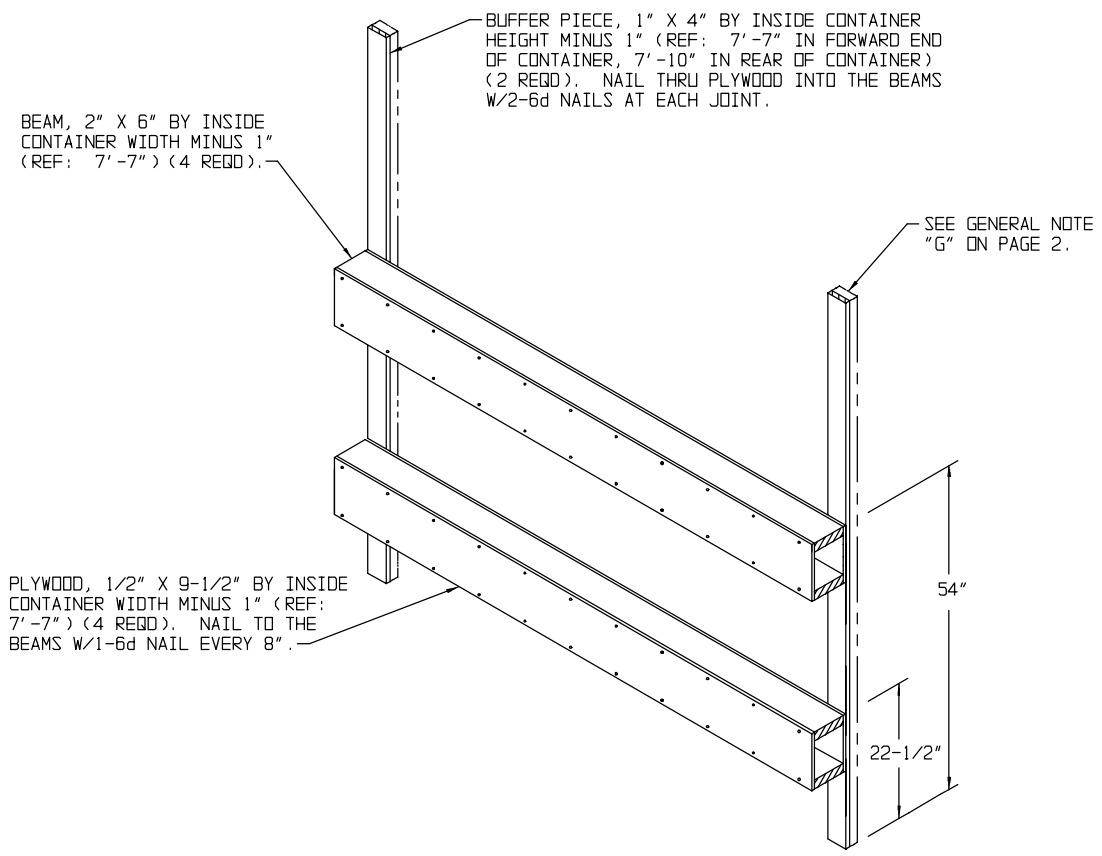
**SIDE FILL ASSEMBLY J**

FOR A ONE HIGH LOAD, REDUCE THE BEARING PIECES TO 34" AND MOVE THE TOP HORIZONTAL PIECE TO 31"



**TOP SPACER E**

SEE GENERAL NOTE "Q" ON PAGE 2.



**FORWARD/REAR BLOCKING ASSEMBLY R**

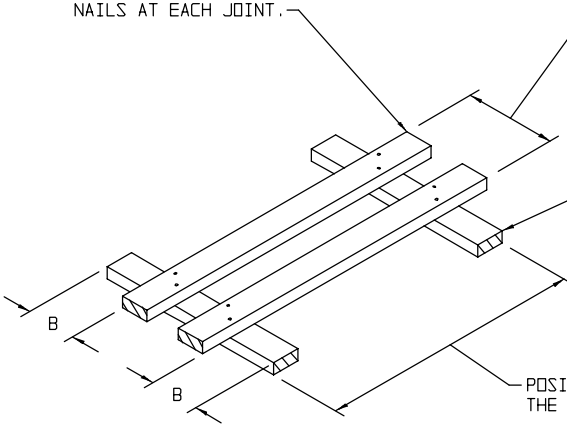
NOTE: FOR ONE-HIGH LOAD, ELIMINATE THE TOP BOX BEAM ASSEMBLY. A TWO LAYER LOAD MAY NOT EXCEED 22,800 POUNDS AND A ONE LAYER LOAD MAY NOT EXCEED 11,400 POUNDS. NOTE THAT 1" X 4" BUFFER PIECES MAY BE SUBSTITUTED FOR THE 2" X 4" BUFFER PIECES IN ANY FORWARD/REAR BLOCKING ASSEMBLY, AS DEPICTED ABOVE, IF NECESSARY TO PROVIDE SUFFICIENT LOADING SPACE.

BUFFER PIECE, LUMBER SIZE "A" BY THE DISTANCE BETWEEN OUTSIDE POSTS PLUS 6" (2 REQD). POSITION AGAINST THE POSTS AND NAIL TO THE RETAINER PIECES W/2-10d NAILS AT EACH JOINT.

FABRICATE TO FIT BETWEEN THE POSTS OF LATERALLY ADJACENT PALLETS OR SKIDS.

RETAINER PIECE, 2" X 4" BY LENGTH TO SUIT (2 REQD). POSITION TO EXTEND UNDER THE LATERALLY ADJACENT LADING UNITS AND AGAINST THE PALLET OR SKID BASE POSTS.

POSITION TO FIT AGAINST THE PALLET OR SKID POSTS.



**ANTI-SWAY BRACE A**

SEE THE SPECIAL NOTES BELOW.

DIMENSION PARALLEL TO SIDEWALL	LUMBER SIZE A	DIM B
PALLET LENGTH	2" X 8"	6"
PALLET WIDTH	2" X 4"	6"
SKID LENGTH	2" X 4"	3"
SKID WIDTH	2" X 8"	6"

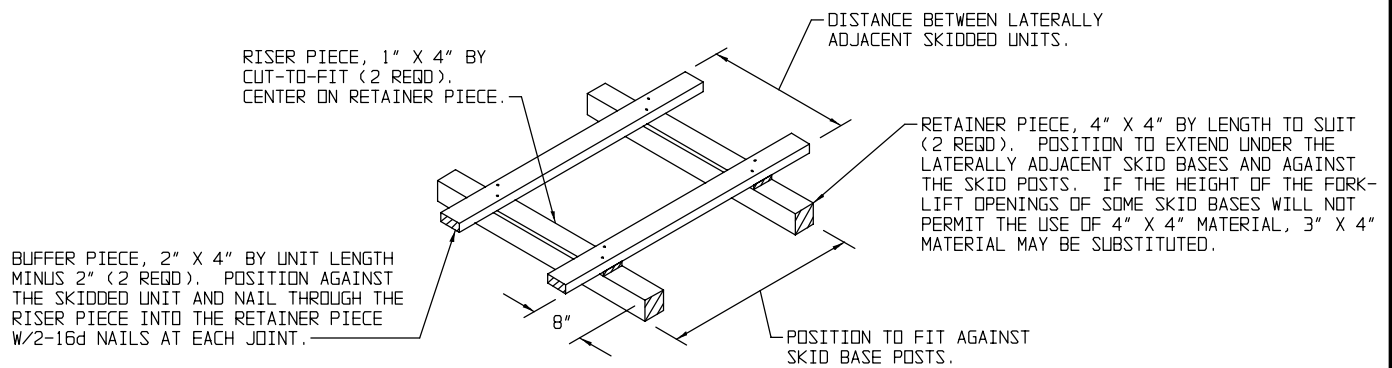
**SPECIAL NOTES:**

1. THE ANTI-SWAY BRACE A IS FOR USE BETWEEN PALLET UNITS THAT ARE POSITIONED WITH THE PALLET LENGTH OR WIDTH PARALLEL TO THE CONTAINER SIDEWALL AND FOR USE BETWEEN ANY TYPE SKIDDED UNITS THAT ARE POSITIONED WITH THE SKIDDED UNIT WIDTH PARALLEL TO THE CONTAINER SIDEWALL.
2. ALL ASSEMBLIES MUST BE FABRICATED IN PLACE BETWEEN PALLETS OR SKIDDED BASES.
3. WHEN ASSEMBLING BETWEEN PALLET OR TYPE II SKIDDED UNITS THAT ARE POSITIONED WITH THE LADING UNIT LENGTH PARALLEL TO THE CONTAINER SIDEWALL:
  - A. POSITION THE FIRST RETAINER PIECE BETWEEN THE CENTER PALLET POST AND THE POST WHICH IS FURTHEST AWAY. THE RETAINER PIECE IS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT LADING UNITS.
  - B. POSITION THE SECOND RETAINER PIECE AGAINST THE INSIDE OF THE NEAREST PALLET POST SO AS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT PALLETS.
  - C. POSITION THE 2" X 4" BUFFER PIECE 6" FROM THE END OF THE FIRST RETAINER PIECE AND EXTENDING BEYOND THE RETAINER PIECE. NAIL TO THE RETAINER PIECE W/2-10d NAILS.
  - D. PUSH THE PARTIAL ASSEMBLY FORWARD UNTIL THE FIRST RETAINER PIECE CONTACTS THE POST ON THE FAR SIDE OF THE LADING UNIT. NAIL THE BUFFER PIECES TO THE SECOND RETAINER PIECE W/2-10d NAILS AT EACH JOINT.
  - E. PUSH THE PARTIAL ASSEMBLY SIDEWAYS UNTIL THE 2" X 4" BUFFER PIECE IS AGAINST THE POSTS AND RESTING ON THE BOTTOM SUPPORT BOARDS OF THE LADING UNIT.
  - F. POSITION THE OTHER BUFFER PIECE AGAINST THE PALLET POSTS ON THE OPPOSITE SIDE OF THE VOID AND NAIL TO THE RETAINER PIECES W/2-10d NAILS AT EACH JOINT.
4. WHEN ASSEMBLING BETWEEN PALLET UNITS THAT ARE POSITIONED WITH THE PALLET WIDTH PARALLEL TO THE CONTAINER SIDEWALL:
  - A. POSITION THE FIRST RETAINER PIECE BETWEEN THE CENTER PALLET POST AND THE POST WHICH IS FURTHEST AWAY. THE RETAINER PIECE IS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT LADING UNITS.
  - B. POSITION THE SECOND RETAINER PIECE AGAINST THE INSIDE OF THE NEAREST PALLET POST SO AS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT PALLETS.

(SPECIAL NOTES CONTINUED)

- C. POSITION THE FIRST BUFFER PIECE AGAINST THE PALLET POSTS AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL TO THE RETAINER PIECE W/2-10d NAILS.
- D. POSITION THE SECOND BUFFER PIECE AGAINST THE PALLET POSTS ON THE OPPOSITE SIDE AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL TO THE RETAINER PIECE W/2-10d NAILS.
- E. PUSH THE PARTIAL ASSEMBLY FORWARD UNTIL THE FIRST RETAINER PIECE CONTACTS THE PALLET POST ON THE FAR SIDE OF THE PALLET. NAIL THE BUFFER PIECES TO THE SECOND RETAINER PIECE W/2-10d NAILS AT EACH JOINT.
5. WHEN ASSEMBLING BETWEEN TYPE I OR TYPE II SKIDDED BASES THAT ARE POSITIONED WITH THE SKIDDED UNIT WIDTH PARALLEL TO THE CONTAINER SIDEWALL:
  - A. POSITION TWO RETAINER PIECES BETWEEN THE SKID POSTS. THE RETAINER PIECES ARE TO SPAN THE VOID BETWEEN LATERALLY ADJACENT SKIDS.
  - B. POSITION THE FIRST BUFFER PIECE AGAINST THE SKID POSTS AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL TO THE RETAINER PIECE W/2-10d NAILS.
  - C. POSITION THE SECOND BUFFER PIECE AGAINST THE SKID POSTS ON THE OPPOSITE SIDE AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL TO THE RETAINERS PIECE W/2-10d NAILS.
  - D. PUSH THE PARTIAL ASSEMBLY FORWARD UNTIL THE FIRST RETAINER PIECE CONTACTS THE SKID POSTS ON THE FAR SIDE OF THE SKID. NAIL THE BUFFER PIECES TO THE SECOND RETAINER PIECE W/2-10d NAILS AT EACH JOINT.
6. IF BUFFER PIECES OF 2" X 4" LUMBER ARE OF AN INSUFFICIENT SIZE TO PERMIT ADEQUATE NAILING, 2" X 6" PIECES MAY BE USED INSTEAD.

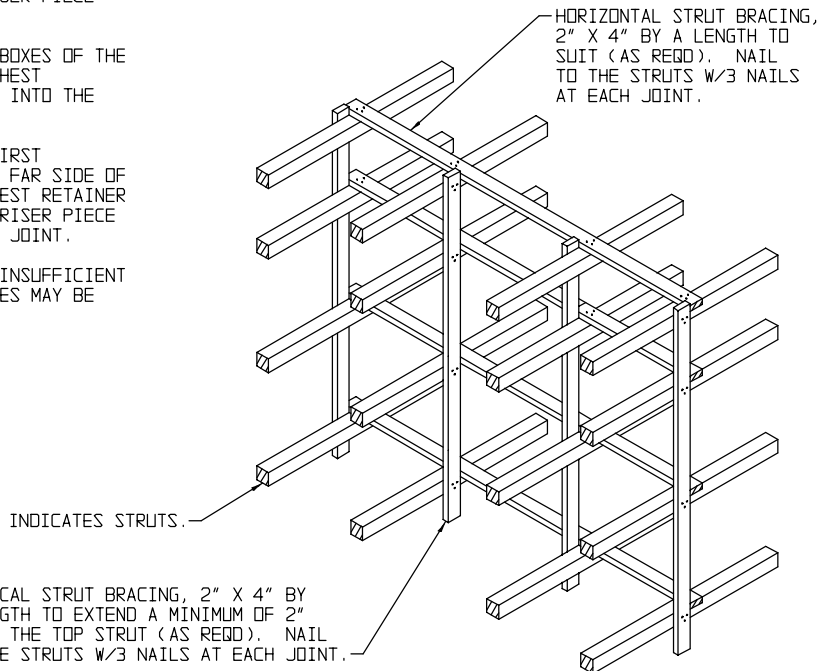
(SPECIAL NOTES CONTINUED AT RIGHT)



**ANTI-SWAY BRACE B**  
SEE THE SPECIAL NOTES BELOW.

SPECIAL NOTES:

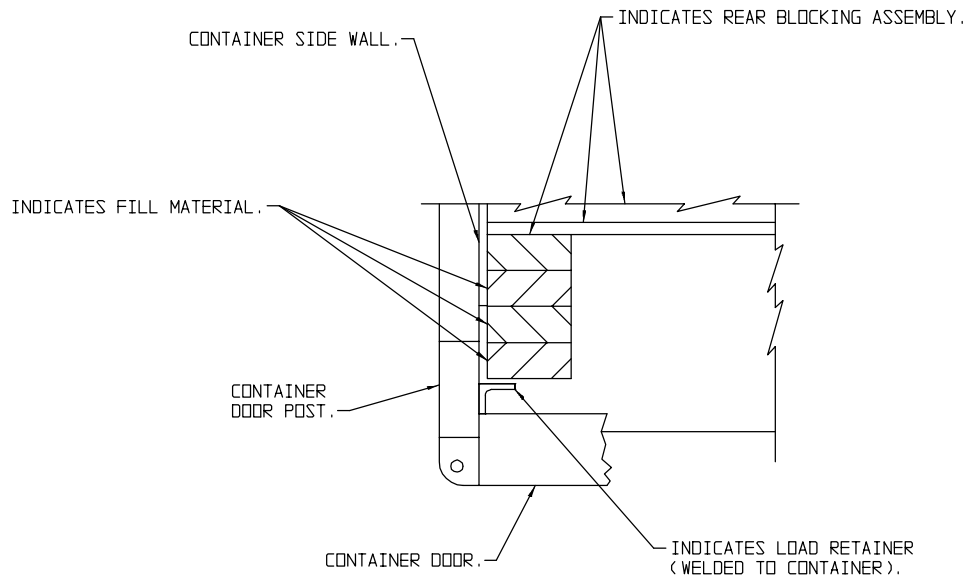
1. THE ANTI-SWAY BRACE B IS FOR USE BETWEEN TYPE I SKIDDED BASES THAT ARE POSITIONED WITH THE SKIDDED UNIT LENGTH PARALLEL TO THE CONTAINER SIDEWALL.
2. ALL ASSEMBLIES MUST BE FABRICATED IN PLACE BETWEEN SKIDDED BASES.
3. POSITION THE FIRST RETAINER PIECE BETWEEN THE CENTER SKID POST AND THE POST WHICH IS FURTHEST AWAY. THE RETAINER PIECE IS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT SKIDS.
4. POSITION THE SECOND RETAINER PIECE AGAINST THE INSIDE OF THE NEAREST SKID POST SO AS TO SPAN THE VOID BETWEEN LATERALLY ADJACENT SKIDS.
5. POSITION A RISER PIECE ON THE FURTHEST AWAY RETAINER PIECE. POSITION THE FIRST BUFFER PIECE AGAINST THE BOXES OF THE SKIDDED UNIT AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL THROUGH THE RISER PIECE INTO THE RETAINER PIECE W/2-16d NAILS.
6. POSITION THE SECOND BUFFER PIECE AGAINST THE BOXES OF THE SKIDDED UNIT AND EXTENDING 3" BEYOND THE FURTHEST RETAINER PIECE. NAIL THROUGH THE RISER PIECE INTO THE RETAINER PIECE W/2-16d NAILS.
7. PUSH THE PARTIAL ASSEMBLY FORWARD UNTIL THE FIRST RETAINER PIECE CONTACTS THE SKID POSTS ON THE FAR SIDE OF THE SKID. POSITION A RISER PIECE ON THE NEAREST RETAINER PIECE AND NAIL THE BUFFER PIECES THROUGH THE RISER PIECE INTO THE RETAINER PIECE W/2-16d NAILS AT EACH JOINT.
8. IF BUFFER PIECES OF 2" X 4" LUMBER ARE OF AN INSUFFICIENT SIZE TO PERMIT ADEQUATE NAILING, 2" X 6" PIECES MAY BE USED INSTEAD.



**TYPICAL STRUT BRACING**

THE STRUT BRACING SHOWN IS FOR A 2-HIGH LOAD. THE PROCEDURE MAY BE ADAPTED FOR USE IN A 1-HIGH LOAD OR OTHER HEIGHT LOADS.



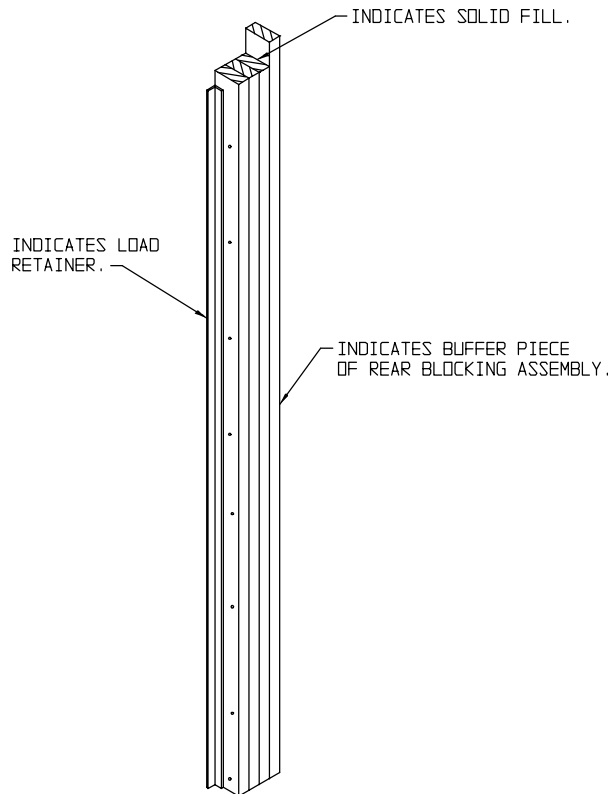


**DETAIL A**

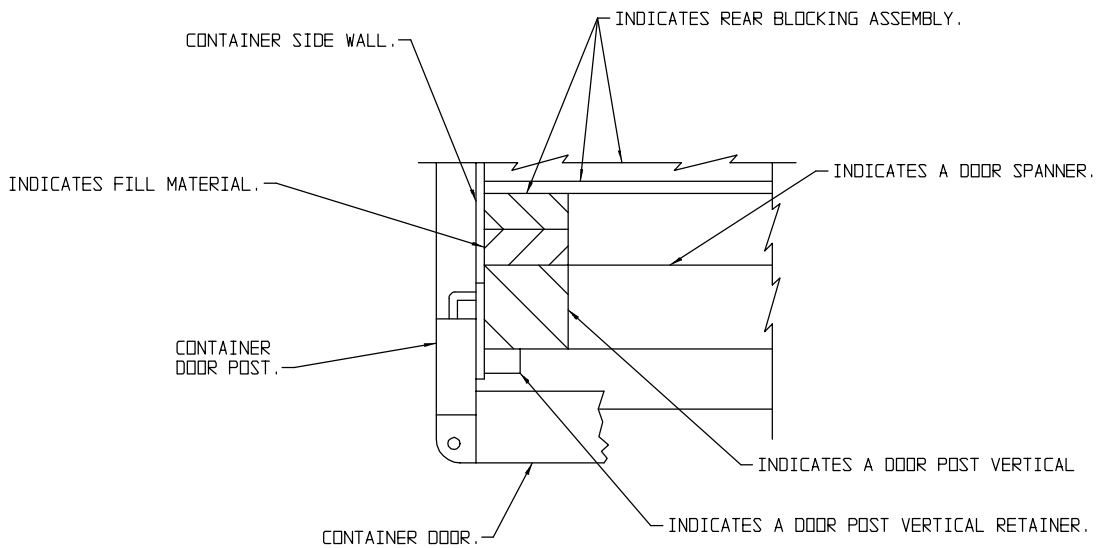
A PARTIAL PLAN VIEW OF THE LEFT REAR PORTION OF THE CONTAINER IS SHOWN DEPICTING THE PROPER POSITION OF THE FILL MATERIAL AND ADJACENT DUNNAGE PIECES.

**SPECIAL NOTE:**

WHEN ISO CONTAINERS ARE NOT EQUIPPED WITH PRE-WELDED LOAD RETAINERS, SUCH AS DEPICTED IN "DETAIL B" ON PAGE 75, DOOR POST VERTICALS, DOOR POST VERTICAL RETAINERS AND DOOR SPANNERS WILL BE REQUIRED FOR THE LOADS DEPICTED HEREIN. SEE PAGE 82 FOR DETAILS OF THE METAL DOOR POST VERTICAL RETAINER.



**SOLID FILL DETAIL A**

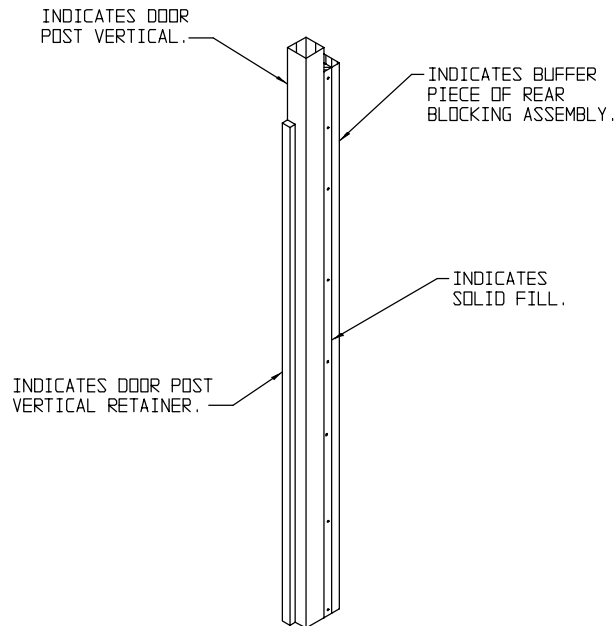


**DETAIL B**

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

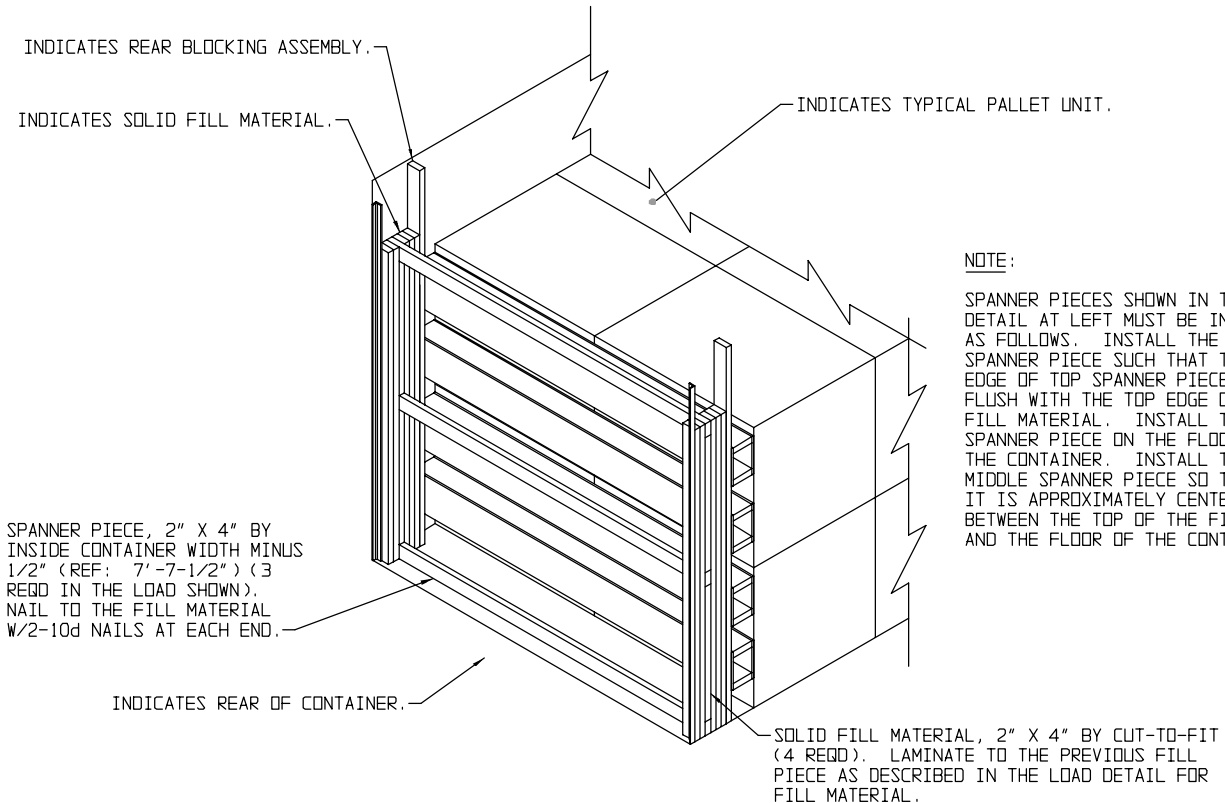
**SPECIAL NOTE:**

WHEN ISO CONTAINERS ARE EQUIPPED WITH PRE-WELDED LOAD RETAINERS, AS DEPICTED IN "DETAIL A" ON PAGE 74, THE DOOR POST VERTICAL RETAINERS AND THE DOOR SPANNERS WILL BE ELIMINATED FROM THE LOADS DEPICTED HEREIN. ADDITIONAL FILL MATERIAL MUST BE ADDED, AS REQUIRED, TO FILL OUT THE VOID BETWEEN THE REAR BLOCKING ASSEMBLY AND THE LOAD RETAINER.



**SOLID FILL DETAIL B**

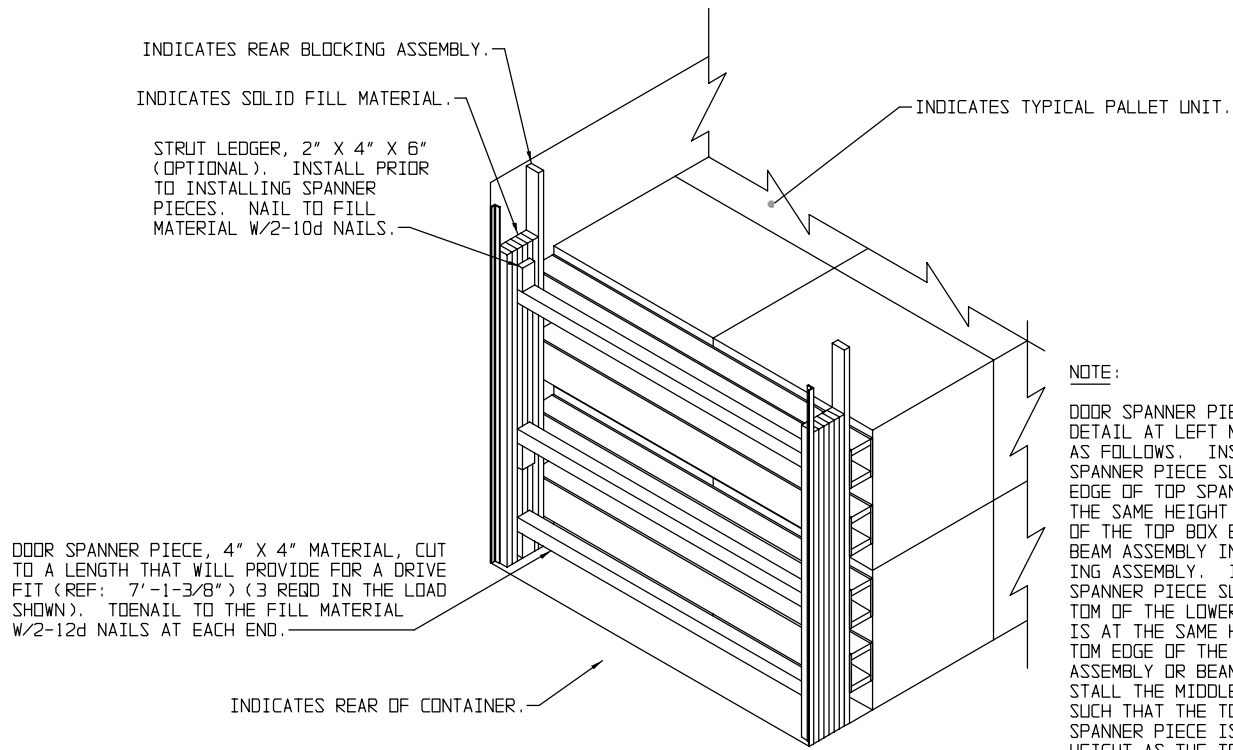
DOOR SPANNERS AND DOOR SPANNER LEDGERS HAVE BEEN OMITTED FOR CLARITY PURPOSES.



**NOTE:**  
 SPANNER PIECES SHOWN IN THE DETAIL AT LEFT MUST BE INSTALLED AS FOLLOWS. INSTALL THE UPPER SPANNER PIECE SUCH THAT THE TOP EDGE OF TOP SPANNER PIECE IS FLUSH WITH THE TOP EDGE OF THE FILL MATERIAL. INSTALL THE LOWER SPANNER PIECE ON THE FLOOR OF THE CONTAINER. INSTALL THE MIDDLE SPANNER PIECE SO THAT IT IS APPROXIMATELY CENTERED BETWEEN THE TOP OF THE FILL AND THE FLOOR OF THE CONTAINER.

**SPANNER/FILL INSTALLATION**

THE DETAILS ABOVE AND BELOW DEPICT THE PROCEDURES TO BE USED WHEN INSTALLING MORE THAN 6" OF SOLID FILL MATERIAL AT THE REAR OF THE LOAD. ONE SET OF THREE SPANNER PIECES AND FOUR CUT-TO-FIT FILL PIECES OR THREE DOOR SPANNER PIECES AND THE OPTIONAL STRUT LEDGERS MUST BE INSTALLED WHEN A REAR BLOCKING ASSEMBLY IS ASSEMBLED USING MORE THAN TWO BOX BEAM ASSEMBLIES. IF ONLY TWO OR LESS BOX BEAM ASSEMBLIES ARE USED IN THE REAR BLOCKING ASSEMBLY, ONLY TWO SPANNER PIECES OR TWO DOOR SPANNERS ARE REQUIRED. THE HEIGHT OF THE SOLID FILL PIECES USED SHOULD BE THE HEIGHT OF TOP OF THE UPPERMOST BEAM ASSEMBLY OR BOX BEAM ASSEMBLY IN THE REAR BLOCKING ASSEMBLY PLUS 6".



**NOTE:**  
 DOOR SPANNER PIECES SHOWN IN THE DETAIL AT LEFT MUST BE INSTALLED AS FOLLOWS. INSTALL THE UPPER SPANNER PIECE SUCH THAT THE TOP EDGE OF TOP SPANNER PIECE IS AT THE SAME HEIGHT AS THE TOP EDGE OF THE TOP BOX BEAM ASSEMBLY OR BEAM ASSEMBLY IN THE REAR BLOCKING ASSEMBLY. INSTALL THE LOWER SPANNER PIECE SUCH THAT THE BOTTOM OF THE LOWER SPANNER PIECE IS AT THE SAME HEIGHT AS THE BOTTOM EDGE OF THE LOWEST BOX BEAM ASSEMBLY OR BEAM ASSEMBLY. INSTALL THE MIDDLE SPANNER PIECE SUCH THAT THE TOP EDGE OF THE SPANNER PIECE IS AT THE SAME HEIGHT AS THE TOP EDGE OF THE SECOND BOX BEAM ASSEMBLY OR BEAM ASSEMBLY FROM THE FLOOR.

VERTICAL UNITIZING STRAP, 1-1/4" X .035" OR .031" BY A LENGTH TO SUIT STEEL STRAPPING (2 REQD). POSITION NEAR POSTS OF PALLET BASE.

INDICATES A TYPICAL 1-LAYER PALLET UNIT.

INDICATES TWO CRIMPED 1-1/4" STRAP SEALS.

24" MAX

FIGURE-8 UNITIZING STRAP, 1-1/4" X .035" OR .031" BY A LENGTH TO SUIT STEEL STRAPPING (1 REQD). POSITION NEAR THE CENTER OF A LADING UNIT WIDTH. NOTE THAT THE STRAP PASSES UNDER THE TOP DECK OF THE PALLET OR SKIDDED BASE FOR THE TOP UNIT.

INDIVIDUAL LADING UNIT STRAPS HAVE BEEN OMITTED FOR CLARITY PURPOSES.

INDICATES A LOWER-TIER PALLET UNIT.

**SPECIAL NOTES:**

1. SHIPMENTS OF PALLET AND SKIDDED UNITS OF AMMUNITION AND/OR COMPONENTS SHOULD CONSIST OF FULL HEIGHT AND FULL-LAYER UNITS TO THE MAXIMUM EXTENT POSSIBLE. HOWEVER, THE END OF A LOT OR THE QUANTITY OF ITEMS NEEDED TO FILL A REQUISITION, MAY NECESSITATE THE SHIPMENT OF ONE OR MORE LESS-THAN-FULL LADING UNITS WITHIN A LOAD. THE PROCEDURES ON THIS PAGE AND ON PAGE 78 ARE PRESENTED AS GUIDANCE IN THE SHIPMENT OF THESE PARTIAL UNITS.
2. A LESS-THAN-FULL HEIGHT LADING UNIT, WHICH IS TO BE SHIPPED ON TOP OF A LOAD (CONTAINER HEIGHT PERMITTING) IN ACCORDANCE WITH THE PROCEDURES DELINEATED ON THIS PAGE, MUST NOT BE MORE THAN 24" IN HEIGHT. REFER TO THE "PARTIAL UNIT ON TOP OF LOAD" CHART BELOW FOR GUIDANCE AS TO THE MAXIMUM PERMISSIBLE NUMBER OF LAYERS IN A UNIT WHICH IS TO BE STRAPPED ON TOP OF THE LOAD BASED ON THE HEIGHT OF THE BOXES AND THE NUMBER OF LAYERS IN THE UNIT TO WHICH THE PARTIAL UNIT IS TO BE SECURED.
3. A LOW HEIGHT (24" MAX) LESS-THAN-FULL-HEIGHT LADING UNIT SHOULD BE POSITIONED NEAR THE LONGITUDINAL CENTER OF THE CONTAINER IN ORDER TO ENSURE THE PROPER LOAD WEIGHT DISTRIBUTION WITHIN THE CONTAINER. SEE GENERAL NOTE "N" ON PAGE 2.
4. THE PARTIAL UNIT WILL BE STRAPPED TO THE LADING UNIT DIRECTLY BELOW WITH TWO VERTICAL UNITIZING STRAPS AND A FIGURE-8 UNITIZING STRAP. SEE THE "SECUREMENT OF A PARTIAL UNIT ON TOP" VIEW ABOVE FOR GUIDANCE.
4. IF THE PARTIAL UNIT TO BE SHIPPED EXCEEDS 24" IN HEIGHT, THE PROCEDURES SPECIFIED ON PAGE 78 WILL APPLY.
5. LEFTOVER BOXES, IN AN AMOUNT WHICH IS LESS THAN THE QUANTITY IN ONE LAYER OF A UNIT, CAN BE SECURED TO THE TOP OF A PARTIAL UNIT FOR SECUREMENT ON TOP OF A LOAD WITH THE FOLLOWING LIMITATIONS:
  - A. THE HEIGHT OF THE PARTIAL UNIT FOR SHIPMENT OF A LESS-THAN-FULL-HEIGHT LADING UNIT ON TOP OF A LOAD, WITH BOXES ADDED, MUST NOT EXCEED 24" IN HEIGHT.
  - B. LEFTOVER BOXES ON TOP OF A PARTIAL UNIT ARE APPLICABLE FOR CONUS AND OCONUS SHIPMENTS FROM DEPOT TO DEPOT OR FROM DEPOTS TO POSTS, CAMPS AND STATIONS, OR, UPON APPROVAL FROM HIGHER HEADQUARTERS, FOR SHIPMENTS FROM LOAD, ASSEMBLE AND PACK PLANTS TO DEPOTS. CAUTION: A LOAD CONTAINING LEFTOVER BOXES IN AN AMOUNT WHICH IS LESS THAN A FULL LAYER, AND SECURED TO THE TOP OF A PARTIAL UNIT, MUST NOT BE DESTINED FOR BREAKBULK SHIPMENT OVERSEAS BY WATER CARRIER.
  - C. THE LEFTOVER BOXES MUST BE SECURED TO THE PARTIAL UNIT WITH THEIR OWN STRAPPING, SEPARATE FROM THE STRAPS FOR THE PARTIAL UNIT. SEE THE DETAILS ON PAGE 79 FOR GUIDANCE IN STRAP APPLICATION.

**SECUREMENT OF PARTIAL LADING UNIT ON TOP**

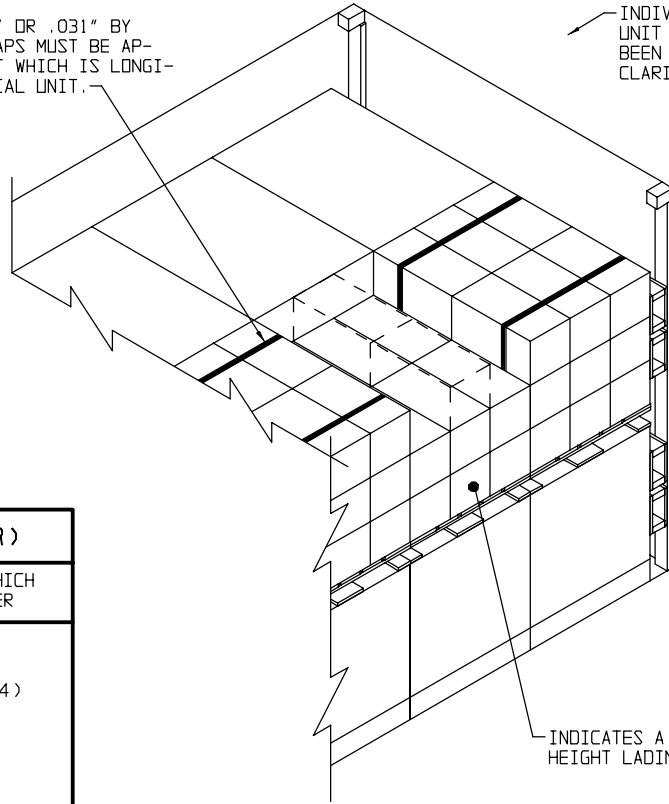
THE PALLET UNITS SHOWN ABOVE ARE TYPICAL. THE PROCEDURES ARE ALSO APPLICABLE FOR OTHER PALLET AND SKIDDED UNITS.

PARTIAL UNIT ON TOP OF LOAD	
NO. OF LAYERS IN UNIT BELOW	MAXIMUM NUMBER OF LAYERS WHICH CAN BE STRAPPED ON TOP OF LOAD
1	NOT APPLICABLE
2	1 LAYER OF BOXES IF 18" OR LESS BOX HEIGHT
3	2 LAYERS OF BOXES IF 9" OR LESS BOX HEIGHT 1 LAYER OF BOXES IF OVER 9"
4 THRU 8	3 LAYERS OF BOXES IF 6" OR LESS BOX HEIGHT 2 LAYERS OF BOXES IF OVER 6" BUT NOT MORE THAN 9" 1 LAYER OF BOXES IF OVER 9"

NOTE: FOR FOUR LAYERS OF BOXES, SHIP IN TWO 2-LAYER UNITS ON TOP OF LOAD, FOR THREE LAYERS OF BOXES OVER 6" IN HEIGHT, SHIP IN ONE 1-LAYER AND ONE 2-LAYER UNITS ON TOP OF LOAD, AND FOR TWO LAYERS OF BOXES OVER 9" IN HEIGHT, SHIP IN TWO 1-LAYER UNITS ON TOP OF LOAD.

TWO ADDITIONAL 1-1/4" X .035" OR .031" BY LENGTH TO SUIT UNITIZING STRAPS MUST BE APPLIED AROUND EACH LADING UNIT WHICH IS LONGITUDINALLY ADJACENT TO A PARTIAL UNIT.

INDIVIDUAL LADING UNIT STRAPS HAVE BEEN OMITTED FOR CLARITY PURPOSES.



INDICATES A LESS-THAN-FULL HEIGHT LADING UNIT.

ISOMETRIC VIEW

PARTIAL UNIT WITHIN A TIER (LAYER)	
NO. OF LAYERS IN ADJACENT UNITS	MINIMUM NUMBER OF LAYERS WHICH CAN BE SHIPPED WITHIN A TIER
1	NOT APPLICABLE
2	CANNOT BE USED (SEE NOTE 4)
3	2 LAYERS
4	3 LAYERS
5	3 LAYERS
6	4 LAYERS
7	5 LAYERS
8	5 LAYERS

(SPECIAL NOTES CONTINUED)

SPECIAL NOTES:

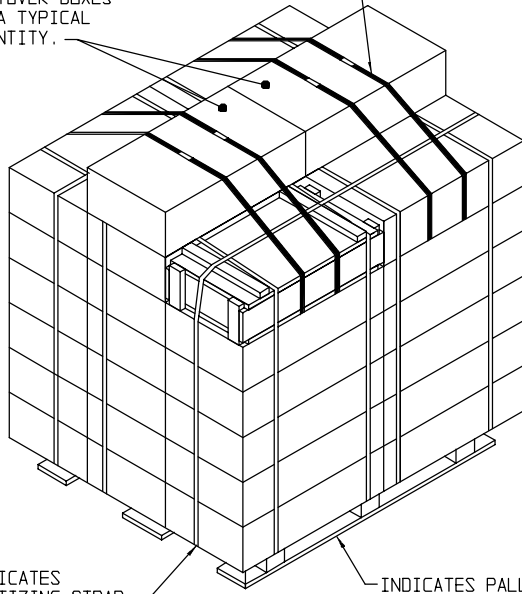
1. SHIPMENTS OF PALLET AND SKIDDED UNITS OF AMMUNITION AND/OR COMPONENTS SHOULD CONSIST OF FULL HEIGHT AND FULL-LAYER UNITS TO THE MAXIMUM EXTENT POSSIBLE. HOWEVER, THE END OF A LOT OR THE QUANTITY OF ITEMS NEEDED TO FILL A REQUISITION, MAY NECESSITATE THE SHIPMENT OF ONE OR MORE LESS-THAN-FULL LADING UNITS WITHIN A LOAD. THE PROCEDURES ON THIS PAGE AND ON PAGE 77 ARE PRESENTED AS GUIDANCE IN THE SHIPMENT OF THESE PARTIAL UNITS.
2. A LESS-THAN-FULL HEIGHT LADING UNIT, WHICH IS TO BE SHIPPED WITHIN A TIER HAS A LIMITATION AS TO THE MINIMUM NUMBER OF FULL LAYERS OF BOXES. THE HEIGHT OF THE PARTIAL UNIT MUST BE AT LEAST 66% (2/3) OF THE HEIGHT OF THE LONGITUDINALLY ADJACENT UNITS. REFER TO THE "PARTIAL UNIT WITHIN A TIER (LAYER)" CHART ABOVE FOR GUIDANCE AS TO THE MINIMUM NUMBER OF LAYERS OF BOXES PERMISSIBLE IN THE PARTIAL UNIT, BASED ON THE NUMBER OF LAYERS IN THE LONGITUDINALLY ADJACENT UNITS.
3. A PARTIAL UNIT SHOULD BE POSITIONED NEAR THE LONGITUDINAL CENTER OF THE CONTAINER IN ORDER TO ENSURE THE PROPER LOAD WEIGHT DISTRIBUTION WITHIN THE CONTAINER. SEE GENERAL NOTE "N" ON PAGE 2.
4. ALL LESS-THAN-FULL HEIGHT LADING UNITS WHICH ARE TO BE SHIPPED WITHIN A TIER MUST CONSIST OF FULL LAYERS OF BOXES TO A HEIGHT AT LEAST 2/3 OF THE HEIGHT OF THE LONGITUDINALLY ADJACENT UNITS.

(SPECIAL NOTES CONTINUED AT RIGHT)

5. A NEARLY-FULL-HEIGHT LESS-THAN-FULL-SIZE UNIT, OR A FULL HEIGHT UNIT HAVING LESS THAN A COMPLETE QUANTITY OF BOXES IN THE TOP LAYER, CAN BE SHIPPED WITHIN A TIER OF A LOAD. CAUTION: THE PARTIAL UNIT MUST BE LOCATED IN THE TOP TIER OF A LOAD; OTHER UNITS MUST NOT BE PLACED ON TOP OF THE PARTIAL UNIT. THE PARTIAL UNIT SHOULD BE PLACED IN THE LOAD SO THAT THERE IS AT LEAST ONE FULL HEIGHT UNIT BETWEEN IT AND A FORWARD OR REAR BLOCKING ASSEMBLY. THE ONLY ADDITIONAL DUNNAGE NEEDED IS THE FOUR 1-1/4" UNITIZING STRAPS DEPICTED IN THE "POSITIONING OF PARTIAL LADING UNIT WITHIN A TIER" VIEW ABOVE.
6. IF THE PARTIAL UNIT TO BE SHIPPED CONSISTS OF LESS FULL LAYERS OF BOXES THAN THE MINIMUM NUMBER PERMISSIBLE LISTED IN THE "PARTIAL UNIT WITHIN A TIER (LAYER)" CHART, AND IF THE PARTIAL UNIT EXCEEDS THE 24" MAXIMUM SPECIFIED FOR SHIPMENT OF A LESS-THAN-FULL-HEIGHT LADING UNIT ON TOP OF A LOAD, THE PARTIAL UNIT MUST BE BROKEN DOWN INTO TWO UNITS AND SECURED SEPARATELY.
7. LEFTOVER BOXES, IN AN AMOUNT WHICH IS LESS THAN THE QUANTITY IN ONE LAYER OF A UNIT, CAN BE SECURED TO THE TOP OF A PARTIAL UNIT FOR SECUREMENT ON TOP OF A LOAD WITH THE FOLLOWING LIMITATIONS:
  - A. LEFTOVER BOXES ON TOP OF A PARTIAL UNIT ARE APPLICABLE FOR CONUS AND OCONUS SHIPMENTS FROM DEPOT TO DEPOT OR FROM DEPOTS TO POSTS, CAMPS AND STATIONS, OR, UPON APPROVAL FROM HIGHER HEADQUARTERS, FOR SHIPMENTS FROM LOAD, ASSEMBLE AND PACK PLANTS TO DEPOTS. CAUTION: A LOAD CONTAINING LEFTOVER BOXES IN AN AMOUNT WHICH IS LESS THAN A FULL LAYER, AND SECURED TO THE TOP OF A PARTIAL UNIT, MUST NOT BE DESTINED FOR BREAKBULK SHIPMENT OVERSEAS BY WATER CARRIER.
  - B. THE LEFTOVER BOXES MUST BE SECURED TO THE PARTIAL UNIT WITH THEIR OWN STRAPPING, SEPARATE FROM THE STRAPS FOR THE PARTIAL UNIT. SEE THE DETAILS ON PAGE 79 FOR GUIDANCE IN STRAP APPLICATION.

INDICATES UNITIZING STRAP, OF A SIZE AT LEAST AS HEAVY AS THE UNIT STRAPS, SEALED WITH ONE DOUBLE NOTCHED SEAL.

INDICATES TWO LEFTOVER BOXES AS A TYPICAL QUANTITY.



INDICATES UNITIZING STRAP OF BASIC UNIT.

INDICATES PALLET.

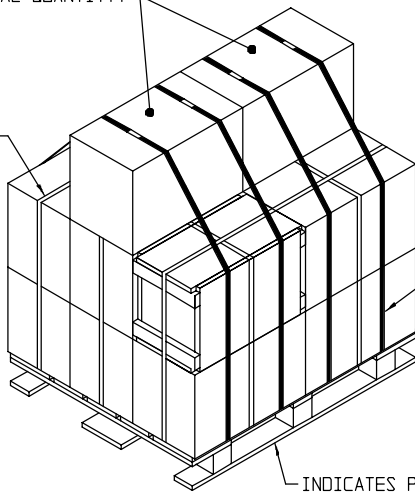
SECUREMENT OF TOP-CLEATED BOXES

SPECIAL NOTES:

1. SHIPMENTS OF PALLET OR SKIDDED UNITS OF AMMUNITION AND/OR COMPONENTS SHOULD CONSIST OF FULL-HEIGHT UNITS TO THE MAXIMUM EXTENT POSSIBLE. HOWEVER, THE END OF A LOT OR THE QUANTITY OF ITEMS NEEDED TO FILL A REQUISITION, MAY NECESSITATE THE SHIPMENT OF ONE OR MORE LEFTOVER BOXES. LEFTOVER BOXES ARE DESCRIBED AS A QUANTITY OF BOXES WHICH IS INSUFFICIENT FOR A FULL-LAYERED PARTIAL UNIT FOR SHIPMENT EITHER ON TOP OF A LOAD AS SHOWN ON PAGE 77 OR WITHIN A TIER AS SHOWN ON PAGE 78. THEY ARE USUALLY BOXES OF THE SAME AMMUNITION ITEM AS THE BALANCE OF THE LOAD ALTHOUGH THEY MAY BE ANY OTHER COMPATIBLE ITEM.
2. SHIPMENT OF LEFTOVER BOXES IS APPLICABLE FOR CONUS AND OCONUS MOTOR CARRIER SHIPMENTS FROM DEPOT TO DEPOT, OR FROM DEPOTS TO POSTS, CAMPS, AND STATIONS, OR, UPON APPROVAL FROM HIGHER HEADQUARTERS, FOR SHIPMENTS FROM LOAD, ASSEMBLE AND PACK PLANTS TO DEPOTS. CAUTION: A LOAD CONTAINING LEFTOVER BOXES IN AN AMOUNT WHICH IS LESS THAN A FULL LAYER, AND SECURED TO THE TOP OF A FULL OR PARTIAL UNIT, MUST NOT BE DESTINED FOR BREAKBULK SHIPMENT OVERSEAS BY WATER CARRIER.
3. THE PROCEDURES ON THIS PAGE ARE PRESENTED AS GUIDANCE IN THE SECUREMENT OF LEFTOVER BOXES FOR SHIPMENT. THE VIEW AT TOP LEFT DEPICTS TWO LEFTOVER BOXES SECURED TO A FULL-HEIGHT UNIT WHEN THE BOXES ON THE UNIT HAVE TOP CLEATS. THE VIEW AT LEFT BELOW DEPICTS TWO LEFTOVER BOXES SECURED TO A FULL-HEIGHT UNIT WHEN THE BOXES ON THE UNIT DO NOT HAVE TOP CLEATS. THE QUANTITIES SHOWN ARE TYPICAL. THE PROCEDURES ARE ALSO APPLICABLE FOR SECUREMENT OF LEFTOVER BOXES TO PARTIAL UNITS FOR SHIPMENT ON TOP OF A LOAD. SEE SPECIAL NOTE 5 ON PAGE 77 FOR LIMITATIONS. IN ADDITION, THE PROCEDURES ARE APPLICABLE FOR SECURING LEFTOVER BOXES TO A PARTIAL UNIT FOR SHIPMENT WITHIN A TIER. SEE SPECIAL NOTE 7 ON PAGE 78 FOR LIMITATIONS.
4. THE QUANTITY OF LEFTOVER BOXES WHICH CAN BE SECURED TO FULL OR PARTIAL UNITS MAY VARY FROM ONE TO NOT MORE THAN THE QUANTITY IN ONE LAYER ON THE UNIT. IN OTHER WORDS, NOT MORE THAN THREE BOXES CAN BE STRAPPED TO A 3-BOX LONG UNIT. LEFTOVER BOXES MUST NOT BE STACKED. IF THE QUANTITY OF LEFTOVER BOXES TO BE SHIPPED IS MORE THAN THE QUANTITY IN ONE FULL LAYER, BOXES MUST BE STRAPPED TO MORE THAN ONE UNIT.
5. LEFTOVER BOXES MUST BE SECURED TO A FULL OR PARTIAL UNIT WITH A MINIMUM OF TWO PIECES OF STEEL STRAPPING (SEPARATE FROM UNIT STRAPS) OF A SIZE AT LEAST AS HEAVY AS THE STRAPPING USED TO SECURE THE BOXES ON THE PALLET OR SKIDDED UNIT UNDERNEATH THE LEFTOVER BOXES TO THE PALLET OR SKIDDED BASE. THE "SECUREMENT OF TOP-CLEATED BOXES" DETAIL ABOVE DEPICTS A TYPICAL STRAP APPLICATION FOR BOXES HAVING TOP CLEATS. THREAD A STRAP UNDER THE TOP LAYER OF BOXES, AS NEAR AS PRACTICAL TO THE ADJACENT UNIT STRAP, ENCIRCLE THE LEFTOVER BOXES, TENSION, AND SEAL THE JOINT WITH ONE DOUBLE NOTCHED SEAL. THE "SECUREMENT OF NON-TOP-CLEATED BOXES" DETAIL, LOWER LEFT, DEPICTS A TYPICAL STRAP APPLICATION FOR BOXES WHICH DO NOT HAVE TOP CLEATS. THREAD A STRAP UNDER THE TOP DECK BOARDS (AS APPLICABLE) AS NEAR AS PRACTICAL TO A PALLET POST, COMPLETELY ENCIRCLE THE PALLETIZED OR SKIDDED UNIT AND THE LEFTOVER BOXES, TENSION, AND SEAL THE JOINT WITH ONE DOUBLE NOTCHED SEAL.

INDICATES TWO LEFTOVER BOXES AS A TYPICAL QUANTITY.

INDICATES UNITIZING STRAP OF BASIC UNIT.



INDICATES UNITIZING STRAP, OF A SIZE AT LEAST AS HEAVY AS THE UNIT STRAPS, SEALED WITH ONE DOUBLE NOTCHED SEAL.

INDICATES PALLET.

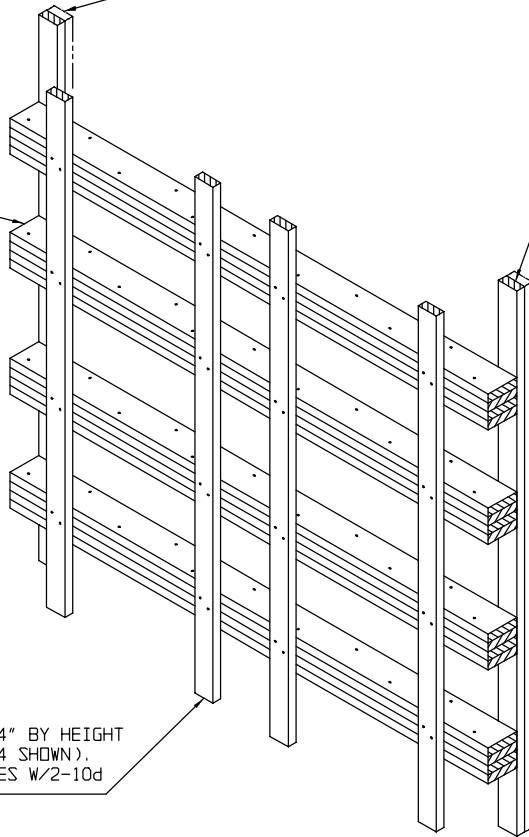
SECUREMENT OF NON-TOP-CLEATED BOXES

SEE GENERAL NOTE "G" ON PAGE 2.

BEAM ASSEMBLY, 2" OR 4" BY WIDTH REQUIRED BY INSIDE CONTAINER WIDTH MINUS 1" (REF: 7'-7") (QUADRUPLER SHOWN) (4 SHOWN). LAMINATE EACH PIECE TO THE PREVIOUS PIECE W/11-10d NAILS (UNLESS 4" X 4" MATERIAL IS USED).

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

LOAD BEARING PIECE, 2" X 4" BY HEIGHT OF THE TOP BEAM PLUS 6" (4 SHOWN). NAIL TO THE BEAM ASSEMBLIES W/2-10d NAILS AT EACH JOINT.

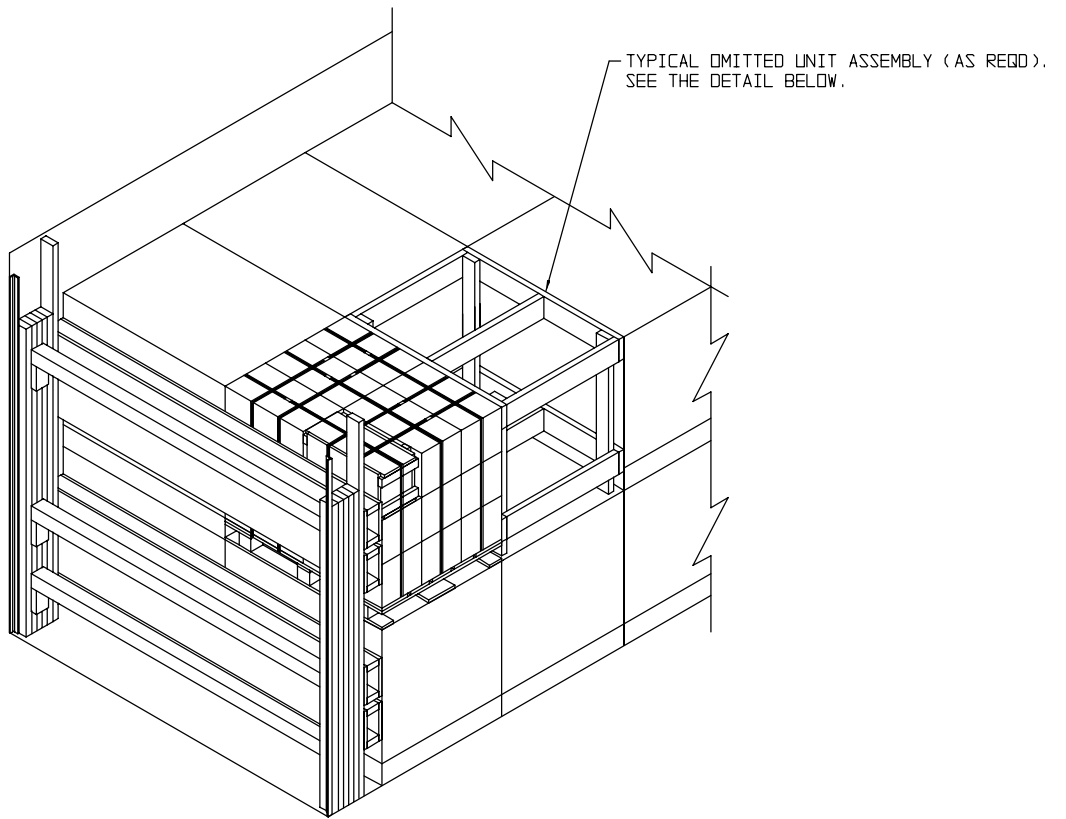


ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY

SPECIAL NOTES:

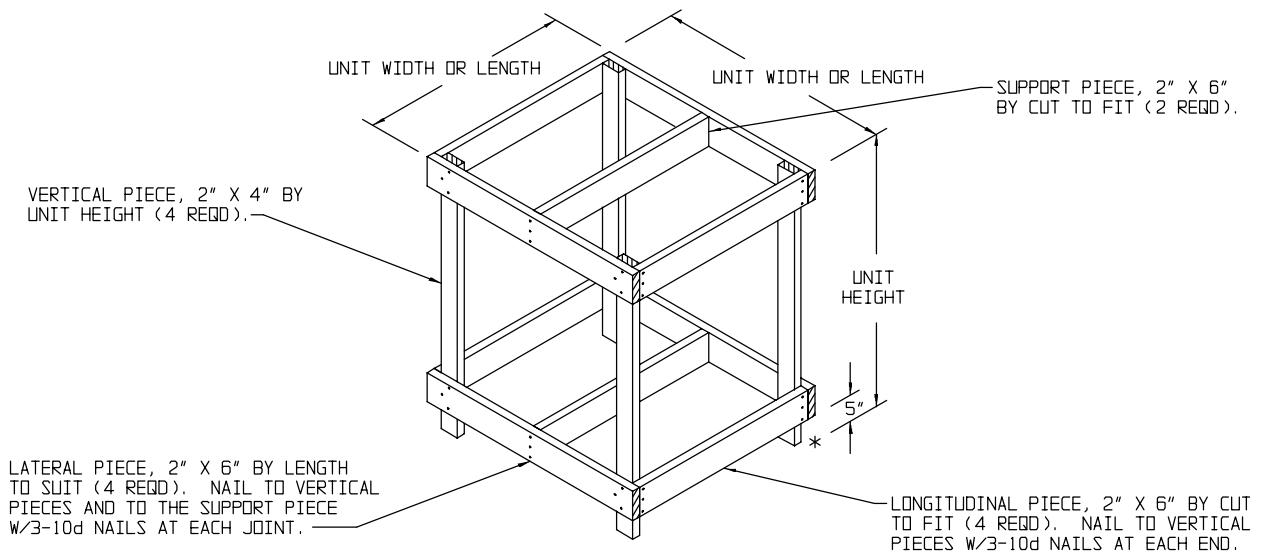
1. THE ALTERNATIVE FORWARD/REAR BLOCKING ASSEMBLY MAY BE USED IN PLACE OF THE FORWARD/REAR BLOCKING ASSEMBLIES DEPICTED WITHIN THE LOADS ON PAGES 10 THRU 68, IF DESIRED.
2. BEAM ASSEMBLIES MUST BE LOCATED TO FULLY SUPPORT THE LADING UNITS. A MINIMUM OF TWO BEAM ASSEMBLIES ARE REQUIRED PER TIER OF LADING, UNLESS THE LADING UNIT CONSISTS OF ONLY ONE OR TWO LAYERS OF BOXES, IN WHICH CASE ONLY ONE BEAM ASSEMBLY IS REQUIRED PER LAYER, PROVIDING EACH LAYER OF BOXES IS IN CONTACT WITH A BEAM ASSEMBLY.
3. LOAD BEARING PIECES MUST BE LOCATED TO FULLY SUPPORT THE LADING UNITS. QUANTITY OF LOAD BEARING PIECES MAY BE VARIED TO SUIT THE LADING UNIT BEING SHIPPED.
4. THE QUANTITY AND SIZE OF BEAMS USED IN A BEAM ASSEMBLY WILL BE DETERMINED USING THE CHART AT LEFT. FOR EXAMPLE, IF SIXTEEN LADING UNITS ARE TO BE LOADED TWO TIERS HIGH AND TWO UNITS WIDE, AND EACH UNIT WEIGHS 2,500 POUNDS, THE TOTAL LADING WEIGHT IS 40,000 POUNDS. FOUR BEAM ASSEMBLIES WILL BE REQUIRED, SO EACH BEAM ASSEMBLY MUST BE CAPABLE OF SUPPORTING 10,000 POUNDS. THE BLOCKING ASSEMBLY MUST THEREFORE BE CONSTRUCTED USING EITHER FIVE 2" X 6" BEAMS IN EACH ASSEMBLY, THREE 2" X 8" BEAMS IN EACH ASSEMBLY, OR TWO 2" X 10" BEAMS IN EACH ASSEMBLY. A BEAM ASSEMBLY WILL CONSIST OF A MINIMUM OF TWO BEAMS.

SIZE/WEIGHT OF BEAMS	
SIZE OF BEAM	WEIGHT PER BEAM
2" X 4"	890 LBS
2" X 6"	2,200 LBS
2" X 8"	3,850 LBS
2" X 10"	6,225 LBS
4" X 4"	2,080 LBS



**TYPICAL REDUCED LOAD**

SEE GENERAL NOTE "D" ON PAGE 2.



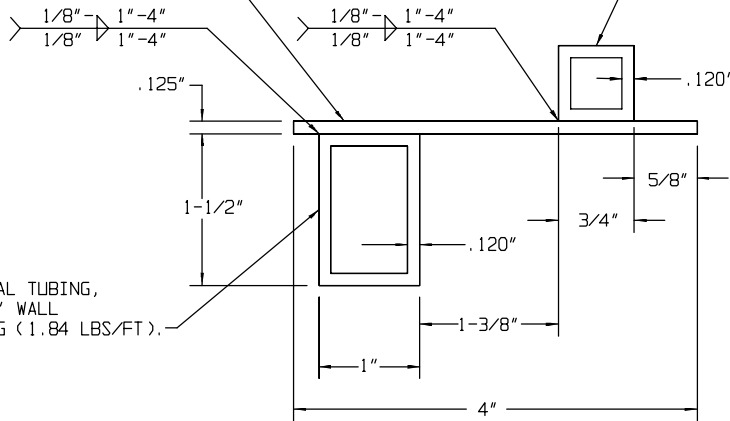
**TYPICAL OMITTED UNIT ASSEMBLY**

THE ASSEMBLY AS DEPICTED ABOVE IS FOR USE IN PLACE OF AN OMITTED LOADING UNIT, AND WILL BE REQUIRED FOR SOME LOADS TO PROVIDE A ONE OR TWO-WIDE LOADING PATTERN THROUGHOUT THE LENGTH OF THESE LOADS. THE MAXIMUM NUMBER OF OMITTED-UNIT ASSEMBLIES ALLOWED IN A LOAD ARE AS FOLLOWS: ONE ASSEMBLY FOR A ONE-HIGH, TWO-WIDE LOAD CONFIGURATION AND THREE ASSEMBLIES FOR A TWO-HIGH, TWO-WIDE LOAD CONFIGURATION.



STEEL STRIP, 1/8" THICK BY 4" WIDE  
BY 83" LONG (1.70 LBS/FT).

SQUARE STRUCTURAL TUBING, 3/4" SQUARE  
BY .120" WALL THICKNESS BY 83" LONG  
(1.03 LBS/FT).



RECTANGULAR STRUCTURAL TUBING,  
1-1/2" BY 1" BY .120" WALL  
THICKNESS BY 83" LONG (1.84 LBS/FT).

**VIEW D**

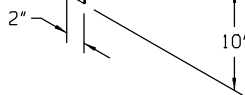
VIEW D  
SQUARE STRUCTURAL TUBING,  
3/4" SQUARE BY .120" WALL  
THICKNESS BY 83" LONG  
(1.03 LBS/FT).



RECTANGULAR STRUCTURAL TUBING,  
1-1/2" BY 1" BY .120" WALL  
THICKNESS  
BY 83" LONG (1.84 LBS/FT).

DRILL 5/32", 4 HOLES.

STEEL STRIP, 1/8" THICK BY 4" WIDE  
BY 83" LONG (1.70 LBS/FT).



**DOOR POST VERTICAL RETAINER**

NOTE: THE ABOVE ASSEMBLY HAS BEEN SHOWN ROTATED 90° 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.

LOADING CONFIGURATION CHART

DDDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
A010	1305-00-028-5035	37-1/2	48-1/8	37-1/4	1552	64	B-4			J-70				18	33,550	
A011	1305-00-892-4254	43-1/2	51	39	1960	20	B-4	5"		A-22				16	36,850	
A011	1305-01-232-8338	43-1/2	51	39	2622	20	C-4			A-22				16	47,460	
A011	1305-00-096-3158	37	46-1/8	34	2045	60	F-4			H-62		A-12	A-72	20	46,530	
A059	1305-01-155-5462	43-1/2	51	39	3931	20	H-2			A-22				8	36,900	
A059	1305-01-155-5459	43-1/2	51	39	3931	20	H-2			A-22				8	36,900	
A059	1305-01-116-4959	41-1/4	49	49-3/4	3101	10	D-2	12"				A-12	A-72	8	30,110	
A062	1305-01-155-5461	43-1/2	51	39	3437	20	D-2			A-22				8	32,860	
A062	1305-01-258-8692	40-1/8	51	43	2662	10	C-4	4"				A-12	A-72	16	48,060	
A062	1305-01-174-9277	43-1/2	51	39	3931	20	H-2			A-22				8	36,900	
A063	1305-01-155-5457	43-1/2	51	39	3307	20	D-2			A-22				8	31,820	
A064	1305-01-252-0153	40-1/8	51	43	2662	10	C-4	4"				A-12	A-72	16	48,060	
A064	1305-01-156-7584	43-1/2	51	39	2345	20	C-4			A-22				16	43,030	
A064	1305-01-131-5246	43-1/2	51	39	2345	20	C-4			A-22				16	43,030	
A066	1305-00-773-1257	43-1/2	51	39	2633	20	C-4			A-22				16	47,640	
A066	1305-00-968-5892	43-1/2	51	39	2873	20	D-4			A-22				16	51,540	
A066	1305-00-069-0869	43-1/2	51	39	2971	20	D-2			A-22				8	29,140	
A066	1305-00-926-3970	43-1/2	51	39	3403	20	D-2			A-22				8	32,590	
A068	1305-00-009-5568	43-1/2	51	39	2971	20	D-2			A-22				8	29,140	
A068	1305-00-009-5569	43-1/2	51	39	3403	20	D-2			A-22				8	32,590	
A068	1305-00-914-4719	43-1/2	51	39	3211	20	D-2			A-22				8	31,060	
A068	1305-00-965-0332	43-1/2	51	39	2923	20	D-4			A-22				16	52,340	
A071	1305-01-015-6185	43-1/2	51	39	3835	20	H-2			A-22				8	36,130	
A071	1305-01-255-6276	43-1/2	51	39	3835	20	H-2			A-22				8	36,130	
A071	1305-00-005-8006	43-1/2	51	39	3403	20	D-2			A-22				8	32,590	
A071	1305-00-926-3930	43-1/2	51	39	3547	20	D-2			A-22				8	33,740	
A072	1305-01-258-8693	43-1/2	51	39	3835	20	H-2			A-22				8	36,130	
A072	1305-00-926-3929	43-1/2	51	39	3403	20	D-2			A-22				8	32,950	
A075	1305-01-258-8694	40-1/8	51	43	2662	10	C-4	4"				A-12	A-72	16	48,060	
A075	1305-01-155-5463	43-1/2	51	39	1865	20	B-4			A-22				16	35,330	
A075	1305-01-174-9278	43-1/2	51	39	1865	20	B-4			A-22				16	35,330	
A075	1305-01-155-5464	43-1/2	51	39	1865	20	B-4			A-22				16	35,330	
A080	1305-00-005-8005	43-1/2	51	39	2585	20	C-4			A-22				16	46,870	
A080	1305-00-182-3217	43-1/2	51	39	2729	20	D-4			A-22				16	49,230	
A080	1305-00-764-8436	43-1/2	51	39	2729	20	D-4			A-22				16	49,230	
A080	1305-00-926-9302	43-1/2	51	39	2441	20	C-4			A-22				16	44,560	
A102	1305-00-182-3125	43-1/2	51	39	3731	20	D-2			A-22				8	35,210	
A102	1305-00-182-3096	35	45-3/4	41-1/8	3242	36	H-2			D-38		A-12	A-72	10	37,730	
A102	1305-00-182-3086	35	45-3/4	41-1/8	3242	36	H-2			D-38		A-12	A-72	10	37,730	
A111	1305-00-752-8087	35	46	46-1/8	2432	36	D-2			D-38		A-12	A-72	10	29,590	
A111	1305-01-181-1750	35	46	46-1/8	2432	36	D-2			D-38		A-12	A-72	10	29,590	
A124	1305-00-301-1679	35	46	46-1/8	2952	36	D-2			D-38		A-12	A-72	10	34,790	
A124	1305-00-882-5678	43-1/2	51	39	3739	20	D-2			A-22				8	35,270	
A130	1305-00-064-2896	43-1/2	51	39	3595	20	D-2			A-22				8	34,120	
A130	1305-00-147-2989	43-1/2	51	39	3595	20	D-2			A-22				8	34,120	
A130	1305-00-542-1219	43-1/2	51	39	3595	20	D-2			A-22				8	34,120	
A130	1305-00-231-4630	43-1/2	51	39	3595	20	D-2			A-22				8	34,120	
A130	1305-00-914-4675	43-1/2	51	39	3355	20	D-2			A-22				8	32,200	
A130	1305-00-752-8837	43-1/2	51	39	3355	20	D-2			A-22				8	32,200	
A131	1305-00-105-9968	35	46	46-1/8	3312	36	H-2			D-38		A-12	A-72	10	38,470	
A131	1305-00-892-2150	35	46	46-1/8	3072	36	H-2			D-38		A-12	A-72	10	36,070	
A131	1305-00-143-7163	43-1/2	51	39	3043	20	D-2			A-22				8	29,700	
A136	1305-00-926-9436	35	46	46-1/8	3192	36	H-2			D-38		A-12	A-72	10	37,270	
A136	1305-00-064-2896	43-1/2	51	39	3547	20	D-2			A-22				8	33,660	
A143	1305-00-892-2330	35	46	46-1/8	3032	36	H-2			D-38		A-12	A-72	10	35,670	
A165	1305-00-926-3942	40-1/2	49-3/4	34-1/2	2967	10	D-2	4"				A-12		8	34,960	
A212	1305-00-096-3150	43-1/2	51	39	3259	20	D-2			A-22				8	31,430	
A212	1305-00-028-6535	35	45-1/2	32	1595	14	F-4							24	43,640	
A216	1305-00-028-6215	43-1/2	51	39	3739	20	D-2			A-22				8	35,270	
A216	1305-00-301-1665	35	46	28-3/4	1776	60	C-4			H-62		A-12	A-72	20	41,090	
A218	1305-00-028-6542	35	46	46-1/8	3516	36	H-2			D-38		A-12	A-72	10	40,510	
A350	1305-00-028-6622	42	48	27-1/2	3435	48	D-2	X	13"	F-51				8	33,010	
A358	1305-01-214-8684	36-1/2	47-1/4	20-3/8	3151	64	D-2			D-38		A-19		9	33,870	

NOTE: THE INFORMATION LISTED IN THE CHART ABOVE FOR EACH DDDIC AND NSN WILL BE INTERPRETED AS FOLLOWS:

FORWARD/REAR BLOCKING ASSEMBLY: THE LETTER CORRESPONDS TO THE CONFIGURATION TYPES LISTED IN CHART NO. 5 ON PAGE 7, AND THE NUMBER REFERS TO THE QUANTITY OF BOX BEAM ASSEMBLIES REQUIRED IN EACH FORWARD/REAR BLOCKING ASSEMBLY, I.E., "C-4" WOULD INDICATE THAT FOUR BOX BEAM ASSEMBLIES EACH CONSTRUCTED OF TWO 2" X 6" BEAMS WITH 1/2" X 9-1/2" PLYWOOD WOULD BE NEEDED FOR EACH FORWARD/REAR BLOCKING ASSEMBLY.

DOOR POST VERTICAL: AN "X" INDICATES THAT A DOOR POST VERTICAL IS REQUIRED FOR THAT LOAD. NOTE THAT DOOR POST VERTICALS ARE REQUIRED IN ANY LOAD SHIPPED IN A CONTAINER NOT EQUIPPED WITH PRE-WELDED LOAD RETAINERS. THE COLUMN ABOVE REFERS TO CONTAINERS EQUIPPED WITH LOAD RETAINERS. SEE "DOOR POST VERTICAL B" ON PAGE 51 FOR TYPICAL CONSTRUCTION DETAILS.

SIDE FILL ASSEMBLY, CENTER FILL ASSEMBLY, RETAINER GATE, TOP SPACER AND ANTI-SWAY BRACE: THE LETTER INDICATES THE PARTICULAR DETAIL TO REFER TO, AND THE NUMBER INDICATES THE PAGE NUMBER OF THE DETAIL.

FORWARD STRUT ASSEMBLY: REFER TO THE "FORWARD STRUT ASSEMBLY A" DETAIL ON PAGE 12, USING ONE STRUT FOR EACH BEAM ASSEMBLY IN THE FORWARD BLOCKING ASSEMBLY (MINIMUM OF TWO STRUTS). THE NUMBER IN THE CHART ABOVE INDICATES THE LENGTH OF THE 4" X 4" STRUTS.

IF THE SPACE IS BLANK, THAT PARTICULAR TYPE OF ASSEMBLY IS NOT REQUIRED IN THAT PARTICULAR LOAD. LOCATIONS OF ASSEMBLY PIECES MUST BE ADJUSTED TO ACCOMMODATE THE PARTICULAR UNIT BEING LOADED AND TO ENSURE THAT LADING UNITS ARE PROPERLY SUPPORTED. FOR EXAMPLE, IF A FORWARD/REAR BLOCKING ASSEMBLY HAS TWO BEAM ASSEMBLIES PER LAYER OF LADING, THE BEAM ASSEMBLY HEIGHTS MUST BE ADJUSTED AS REQUIRED TO ENSURE THAT THE TOP AND BOTTOM BOXES OF THAT LAYER OF LADING ARE SUPPORTED. GROSS CONTAINER WEIGHTS REFLECT AN APPROXIMATE MAXIMUM GROSS WEIGHT OF 52,910 POUNDS. LOADS MUST BE ADJUSTED FOR CONTAINERS WITH MAXIMUM GROSS WEIGHT OF LESS THAN 52,910 POUNDS. THE MAXIMUM GROSS WEIGHT OF THE CONTAINER MUST NOT BE EXCEEDED.

IF THE VOID AT THE REAR OF THE LOAD EXCEEDS 9", STRUTS MUST BE USED IN PLACE OF SOLID FILL MATERIAL. STRUT LEDGERS MUST THEN BE INSTALLED ON THE REAR BLOCKING ASSEMBLY AND THE DOOR POST VERTICALS MUST BE INSTALLED.

NOTE THAT OTHER LOAD CONFIGURATIONS MAY PROVE MORE ECONDMICAL OR FEASIBLE DEPENDING ON LOCAL REQUIREMENTS AND CONDITIONS. THE CHART ABOVE WAS FORMULATED USING AVERAGE LADING CONDITIONS AND ASSUMING THAT THE LADING UNIT DIMENSIONS LISTED ARE CORRECT. ACTUAL DIMENSIONS MAY VARY, AND IN VARYING, DICTATE A DIFFERENT LOAD CONFIGURATION. THE CHART ABOVE IS FOR GUIDANCE PURPOSES ONLY.

LOADING CONFIGURATION CHART

DDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
A363	1305-01-172-9558	43-1/2	51	39	3929	20	H-2		A-22					8	36,880	
A400	1305-00-322-6391	43-1/2	51	30-5/8	3401	20	D-2		A-22					8	32,570	
A404	1315-00-301-1691	44-5/8	49-1/2	35	3160	20	D-2		A-22					8	30,640	
A404	1315-00-301-1691	37-1/4	49	43	2216	64	C-4		H-62		A-19			18	45,460	
A404	1305-00-123-0548	43-1/2	51	30-5/8	3537	20	D-2		A-22					8	33,660	
A475	1305-00-028-6613	43-1/2	51	30-5/8	3977	20	H-2		A-22					8	37,260	
A475	1305-00-301-1685	43-1/2	51	30-5/8	3977	20	H-2		A-22					8	37,260	
A540	1305-00-935-2017	43-1/2	51	39	3691	20	D-2		A-42					8	34,890	
A540	1305-00-028-6471	43-1/2	51	39	3739	20	D-2		A-22					8	35,270	
A540	1305-00-028-6463	42-3/4	50-5/8	44-7/8	3314	40	D-2	4"	E-42					8	31,780	
A540	1305-00-028-6470	43-1/2	51	22-1/4	1934	20	H-3		A-22					24	52,010	
A540	1305-00-028-6473	42	48-3/8	42	3371	40	D-2	12"	E-42					8	32,240	
A555	1305-00-028-6574	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A557	1305-00-541-9834	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A557	1305-00-028-6583	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A557	1305-00-540-1056	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A572	1305-00-028-6609	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A576	1305-00-028-6603	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A576	1305-00-028-6490	43-1/2	51	22-1/4	1934	20	H-3		A-22					24	52,010	
A577	1305-00-028-6604	43-1/2	51	39	3691	20	D-2		A-22					8	34,890	
A577	1305-00-028-6605	39-3/4	45-1/2	50	3060	14	H-2	7"						10	35,930	
A587	1305-00-585-1667	43-1/2	51	39	3787	20	H-2		A-22					8	35,740	
A587	1305-00-752-8040	39-3/4	45-1/2	50	3060	14	H-2	7"						10	35,930	
A587	1305-00-752-7638	43-1/2	51	22-1/4	2078	20	H-2		A-22					16	38,700	
A589	1305-00-689-4709	43-1/2	51	39	3451	20	D-2		A-22					8	32,970	
A589	1305-00-752-7891	43-1/2	51	39	3643	20	D-2		A-22					8	34,500	
A593	1305-00-689-4752	43-1/2	51	39	3451	20	D-2		A-22					8	32,970	
A598	1305-00-689-4738	43-1/2	51	39	2251	20	C-4		A-22					16	41,520	
A598	1305-01-078-4879	43-1/2	51	39	2251	20	C-4		A-22					16	41,520	
A651	1305-01-118-9930	40-1/2	49-3/4	34-1/2	3981	10	H-2	7"				A-12	A-72	8	37,000	
A651	1305-00-522-3700	40-1/2	49-3/4	34-1/2	3981	10	H-2	7"				A-12	A-72	8	37,000	
A651	1305-00-785-2829	40-1/2	49-3/4	34-1/2	3981	10	H-2	7"				A-12	A-72	8	37,000	
A652	1305-00-157-4886	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A652	1305-00-785-2848	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A652	1305-00-522-3701	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A653	1305-00-143-7034	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A653	1305-00-935-6188	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A655	1305-00-926-4058	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A655	1305-01-116-3932	40-1/2	49-3/4	34-1/2	2223	10	C-4	8"				A-12	A-72	16	40,960	
A655	1305-00-522-3707	40-1/2	49-3/4	34-1/2	2365	10	C-4	8"				A-12	A-72	16	43,230	
A777	1305-00-935-6160	40-1/2	49-3/4	34-1/2	2437	10	C-4	8"				A-12	A-72	16	44,380	
A792	1305-01-116-3924	40-1/2	49-3/4	34-1/2	2223	10	C-4	8"				A-12	A-72	16	40,960	
A792	1305-01-116-3925	40-1/2	49-3/4	34-1/2	2223	10	C-4	8"				A-12	A-72	16	40,960	
A792	1305-00-152-3659	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A792	1305-00-401-1536	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A792	1305-00-926-9279	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A891	1305-01-116-4560	40-1/2	49-3/4	34-1/2	3525	10	D-2	8"				A-12	A-72	8	33,270	
A891	1305-00-752-8114	40-1/2	49-3/4	34-1/2	3525	10	D-2	8"				A-12	A-72	8	33,270	
A896	1305-00-169-1784	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A896	1305-00-926-9421	40-1/2	49-3/4	34-1/2	2365	10	C-4	8"				A-12	A-72	16	43,230	
A926	1305-00-180-9268	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A926	1305-00-965-0559	40-1/2	49-3/4	34-1/2	2365	10	C-4	8"				A-12	A-72	16	43,230	
A940	1305-01-286-5185	43	53	21-3/8	1056	20	B-4			A-18				32	39,350	
A940	1305-01-298-6414	45	57	36-3/4	2701	28	B-4	X	21"	F-51				12	37,720	
A953	1305-01-116-3936	40-1/2	49-3/4	34-1/2	2223	10	C-4	8"				A-12	A-72	16	40,960	
A953	1305-00-892-2162	40-1/2	49-3/4	34-1/2	2343	10	C-4	8"				A-12	A-72	16	42,880	
A953	1305-00-889-2043	40-1/2	49-3/4	34-1/2	2413	10	C-4	8"				A-12	A-72	16	44,000	
A965	1305-01-082-8986	43-1/2	53-1/2	32	1695	20	E-4			A-18				16	32,650	
A974	1305-01-092-0428	43	53	21-3/8	1515	20	D-3			A-18				24	41,820	
A974	1305-01-095-6014	45	57	36-3/4	1371	28	A-4	X	21"	F-51				12	21,700	
A974	1305-01-095-6014	45	31-1/2	42-1/2	1241	56	B-4		17"	F-51				24	35,150	
A975	1305-01-094-1035	43	53	21-3/8	1515	20	D-3			A-18				24	41,820	
A975	1305-01-094-7016	45	57	36-3/4	1371	28	A-4	X	21"	F-51				12	21,700	
A975	1305-01-190-8507	45	57	36-3/4	1371	28	A-4	X	21"	F-51				12	21,700	
A975	1305-01-094-7016	45	57	36-3/4	1241	28	B-4		17"	F-51				24	35,150	
A976	1305-01-092-0429	43	53	21-3/8	1515	20	D-3			A-18				24	41,820	
A976	1305-01-095-0248	45	57	36-3/4	1371	28	A-4	X	21"	F-51				12	21,700	
A976	1305-01-095-0248	45	31-1/2	42-1/2	1241	56	B-4		17"	F-51				24	35,150	
B118	1305-01-268-7274	42	57	34-3/4	3064	28	B-4	X	20"	H-62				12	42,240	
B120	1305-01-078-5505	42	57	34-3/4	3208	28	C-4	X	19"	H-62				12	44,000	
B129	1305-01-268-9373	42	57	34-3/4	3064	28	B-4	X	20"	H-62				12	42,240	
B130	1305-01-155-3197	42	57	34-3/4	2344	16	B-4			H-62		A-19		14	38,310	
B504	1310-00-541-6148	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B505	1310-00-541-6149	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B506	1310-00-541-6150	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B508	1310-00-541-6152	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B509	1310-00-541-6153	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B519	1310-01-107-5404	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B519	1310-01-148-8881	35	45-1/2	38-5/8	1224	14	B-4							24	34,610	
B519	1310-01-050-7967	35	45-1/2	38-5/8	1026	14	A-4							24	29,800	
B519	1310-01-211-8073	42-1/2	54-1/8	27-7/8	1377	44	C-3			C-46	B-47			21	34,440	
B534	1310-00-406-4643	40-1/2	48	35-7/8	1518	10	A-4		16"			A-12	A-72	16	29,680	
B534	1310-00-963-4061	40-1/2	48	35-7/8	1518	10	A-4		16"			A-12	A-72	16	29,680	
B535	1310-00-151-3198	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B535	1310-00-922-9780	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B536	1310-00-922-9784	43-1/2	51	39	2296	20	C-4		A-22					16	42,240	
B542	1310-00-867-6609	42-7/8	48-3/4	32	1214	10	A-4		13"		A-18			16	24,920	
B542	1310-01-159-8043	40-1/2	49-3/4	49	2322	10	C-2		8"			A-12	A-72	8	23,900	
B546	1310-00-992-0451	40-1/2	48	35-7/8	1518	10	A-4		18"			A-12	A-72	16	29,600	

LOADING CONFIGURATION CHART

DDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
B549	1310-00-238-6559	35-1/4	45-1/2	40-3/4	2158	48	B-4	X	24"	H-62				16	40,220	
B549	1310-01-033-8282	35-1/4	45-1/2	40-3/4	2158	48	B-4	X	24"	H-62				16	40,220	
B567	1310-00-724-8082	40-1/2	48	35-7/8	1518	10	A-4		18"			A-12	A-72	16	29,680	
B567	1310-00-849-2083	36-1/4	46-1/8	47-7/8	1506	36	B-2			D-38		A-12	A-72	10	20,190	
B568	1310-00-724-8081	40-1/2	48	35-7/8	1518	10	A-4		18"			A-12	A-72	16	29,680	
B568	1310-00-724-8080	40-1/2	48	35-7/8	1518	10	A-4		18"			A-12	A-72	16	29,680	
B571	1310-00-976-0907	42-7/8	48-3/4	32	1214	20	A-4		13"		A-18			16	24,920	
B584	1310-01-218-7069	40-1/2	49-3/4	49	2228	10	C-2		8"			A-12	A-72	8	23,140	
B584	1310-01-218-7070	42-7/8	48-3/4	32	1214	10	A-4		13"		A-18			16	24,920	
B627	1310-00-143-7056	40-1/8	53-3/4	52-7/8	2416	44	B-2		7"		B-47	A-12	A-72	7	22,330	
B627	1310-00-782-5518	40-1/8	53-3/4	52-7/8	2576	44	C-2		4"		B-47	A-12	A-72	7	23,460	
B630	1310-00-140-1536	40	48	41	1853	48	B-4	X	18"	F-51				16	35,190	
B630	1310-00-782-5517	41-1/4	50-5/8	34-3/4	3027	40	D-2		4"	E-42				8	29,490	
B630	1310-00-926-3951	42-3/4	48-1/2	40-1/4	1926	10	B-4		15"			A-12	A-72	16	36,270	
B630	1310-00-935-6189	42-3/4	48-1/2	40-1/4	1926	10	B-4		15"			A-12	A-72	16	36,270	
B630	1310-00-935-9129	42-3/4	48-1/2	40-1/4	1926	10	B-4		15"			A-12	A-72	16	36,270	
B632	1310-00-935-9132	41-1/4	49-1/8	40	1584	10	B-4		13"	G-58				16	30,750	
B632	1310-00-935-9130	41-1/4	49-1/8	40	1584	10	B-4		13"	G-58				16	30,750	
B632	1310-00-028-4944	41-1/8	48-1/2	40-5/8	2047	10	B-4	X	15"	F-51				16	38,320	
B632	1310-00-028-4943	41-1/8	48-1/2	40-5/8	2047	10	B-4	X	15"	F-51				16	38,320	
B632	1310-00-542-0383	41-1/8	48-1/2	40-5/8	2047	10	B-4	X	15"	F-51				16	38,320	
B632	1310-00-782-5516	41-1/8	48-1/2	40-5/8	2047	10	B-4	X	15"	F-51				16	38,320	
B632	1310-00-180-9974	44-7/8	52-3/4	36	2151	20	B-4			A-22				16	39,920	
B632	1310-00-134-8359	44-7/8	52-3/4	36	2151	20	B-4			A-22				16	39,920	
B632	1310-00-542-0384	41-1/4	48-3/4	34-3/4	1978	48	B-4	X	16"	F-51				16	37,190	
B632	1310-00-926-9308	42-3/8	52-3/4	38-3/8	1923	20	B-4			G-58				16	36,250	
B642	1310-01-022-7680	35-1/2	46-1/4	45	2104	60	C-4			H-62		A-12	A-72	20	47,600	
B642	1310-01-022-7680	44-3/4	53-1/4	45	3125	44	C-4				B-26	B-47	A-12	14	49,270	
B643	1310-01-149-3185	35-1/2	46-1/4	45	2104	60	C-4			H-62		A-12	A-72	20	47,600	
B643	1310-01-149-3185	44-3/4	53-1/4	45	3125	44	C-4				B-26	B-47	A-12	14	49,270	
B646	1310-01-236-1354	40	48	41	2051	48	B-4	X	18"	F-51				16	38,360	
B647	1310-01-258-8689	40-1/2	53	50-1/2	2728	10	F-2					A-12	A-72	8	26,920	
C226	1315-00-143-7048	43	61-1/8	52-1/8	2434	28	B-2	X	14"		B-26			6	19,780	
C226	1315-00-143-7122	43	61-1/8	52-1/8	2434	28	B-2	X	14"		B-26			6	19,780	
C226	1315-00-028-4964	43	61-1/8	52-1/8	2644	28	B-2	X	14"		B-26			6	21,040	
C236	1315-00-143-7184	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C236	1315-00-935-6007	41-1/4	52-1/4	38-5/8	1678	20	B-4			G-58				16	32,400	
C236	1315-00-935-6033	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C236	1315-00-563-7092	40-1/8	50-1/4	38-1/8	1863	10	B-4		9"			A-12	A-72	16	35,230	
C236	1315-00-563-7092	40-1/2	52-1/4	51-1/4	1614	10	B-2					A-12	A-72	8	17,970	
C256	1315-00-134-8984	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-143-6960	41-1/4	52-1/4	38-5/8	1678	20	B-4			G-58				16	32,400	
C256	1315-01-127-7481	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-498-6407	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-01-147-6307	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-6030	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-1931	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-6032	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-6011	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-6031	41-1/4	52-1/4	38-5/8	1618	20	B-4			G-58				16	31,440	
C256	1315-00-935-6008	41-1/4	52-1/4	38-5/8	1678	20	B-4			G-58				16	32,400	
C256	1315-00-935-6002	41-1/4	52-1/4	38-5/8	1678	20	B-4			G-58				16	32,400	
C256	1315-00-563-7067	40-1/8	50-1/4	38-1/8	1863	10	B-4		9"					16	35,230	
C256	1315-00-563-7072	40-1/2	52-1/4	51-1/4	1614	20	B-2					A-12	A-72	8	17,970	
C256	1315-00-563-7067	40-1/2	52-1/4	51-1/4	1614	20	B-2							8	17,970	
C276	1315-00-498-6406	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-139-6770	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-935-1926	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-935-6003	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-935-6068	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-935-6075	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-935-6076	43	53-1/4	31-3/4	1337	20	A-4		9"		B-26			16	26,820	
C276	1315-00-574-7680	42-1/2	53-1/2	30-5/8	1568	20	A-4			G-58				16	30,510	
C282	1315-00-068-8472	40-1/2	48-1/2	38-3/8	1428	48	A-4	X	18"	F-51				16	28,320	
C282	1315-00-892-4307	40-1/2	48-1/2	38-3/8	1428	48	A-4	X	18"	F-51				16	28,320	
C410	1315-00-926-9243	40-1/2	45-1/2	35-3/4	1116	14	A-4		8"					20	27,510	
C445	1315-00-028-4809	37-1/4	47-3/4	51-1/8	2768	64	D-2			H-62		A-19		9	30,400	
C445	1315-00-028-4859	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C445	1315-00-028-4860	37-1/4	47-3/4	51-1/8	2736	64	D-2			H-62		A-19		9	30,120	
C445	1315-00-028-4857	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C445	1315-00-028-4830	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C445	1315-00-028-4861	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C445	1315-00-926-4081	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C445	1315-01-012-7094	35-3/8	46	36-3/4	2111	60	C-4			H-62				20	47,740	
C448	1315-00-028-4808	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C448	1315-00-028-4806	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C448	1315-00-028-4835	37-1/4	47-3/4	51-1/8	2592	64	D-2			H-62		A-19		9	28,820	
C448	1315-00-186-0073	37-1/4	47-3/4	51-1/8	2851	64	D-2			H-62		A-19		9	31,150	
C448	1315-00-262-3031	37-1/4	47-3/4	51-1/8	2851	64	D-2			H-62		A-19		9	31,150	
C448	1315-00-344-2312	37-1/4	47-3/4	51-1/8	2851	64	D-2			H-62		A-19		9	31,150	
C448	1315-00-113-6218	37-1/4	47-3/4	51-1/8	2707	64	D-2			H-62		A-19		9	29,850	
C448	1315-00-186-0076	37-1/4	47-3/4	51-1/8	2851	64	D-2			H-62		A-19		9	31,150	
C449	1315-00-028-4739	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C449	1315-01-300-2748	37-1/4	47-3/4	51-1/8	2952	64	D-2			H-62		A-19		9	32,060	
C449	1315-00-028-4794	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C449	1315-00-926-9299	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C449	1315-00-926-9298	37-1/4	47-3/4	51-1/8	2832	64	D-2			H-62		A-19		9	30,980	
C449	1315-00-782-5531	37-1														

LOADING CONFIGURATION CHART

DDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
C452	1315-00-028-4470	37-1/4	47-3/4	51-1/8	2952	64	D-2		H-62		A-19			9	32,060	
C452	1315-00-028-4850	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	28,980	
C452	1315-00-028-4840	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	28,980	
C452	1315-00-028-4839	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	28,980	
C452	1315-00-182-3156	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	28,980	
C452	1315-00-143-6986	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	28,980	
C454	1315-00-028-4831	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-113-5741	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-470-5368	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-143-7616	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-145-7536	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-892-4999	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-439-6121	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-439-6122	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C454	1315-00-892-4895	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C462	1315-00-461-3323	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	30,980	
C462	1315-00-965-0739	37-1/4	47-3/4	51-1/8	2832	64	D-2		H-62		A-19			9	30,980	
C462	1315-00-976-0732															
C462	1315-00-797-7199	37-1/4	47-3/4	51-1/8	2952	64	D-2		H-62		A-19			9	32,060	
C463	1315-00-926-4069	39	46-3/8	46-1/8	1861	64	B-2		D-38		A-19			9	21,900	
C473	1315-01-189-7764	37-1/4	47-3/4	51-1/8	2952	64	D-2		H-62		A-19			9	32,060	
C477	1315-00-228-6284	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C477	1315-00-166-4440	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C477	1315-00-228-6282	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C477	1315-00-228-6283	38-1/8	48	42-3/4	2487	10	C-4	14"				A-12	A-72	16	45,180	
C494	1315-00-001-7868	37-1/4	47-3/4	51-1/8	2952	64	D-2		H-62		A-19			9	32,060	
C508	1315-00-058-0579	42-3/4	45-3/4	50	2197	48	B-2	X	18"					8	22,730	
C508	1315-00-756-2886	42-3/4	45-3/4	50	2197	48	B-2	X	18"					8	22,730	
C508	1315-00-926-3989	42-3/4	45-3/4	50	2062	48	B-2	X	18"					8	21,650	
C508	1315-00-952-6399	42-3/4	45-3/4	50	2062	48	B-2	X	18"					8	21,650	
C508	1315-01-889-2095	42-3/4	45-3/4	50	2062	48	B-2	X	18"					8	21,650	
C508	1315-01-094-5294	42-3/4	45-3/4	50	2062	48	B-2	X	18"					8	21,650	
C513	1315-00-143-7121	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C513	1315-00-143-7768	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C513	1315-00-055-9725	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C513	1315-00-935-1978	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C513	1315-00-935-1977	39	46-3/8	46-1/8	1897	64	B-2		D-38		A-19			9	22,230	
C513	1315-00-935-1982	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C513	1315-00-935-9178	39	46-3/8	46-1/8	1897	64	B-2		D-38		A-19			9	22,230	
C513	1315-00-935-1980	39	46-3/8	46-1/8	1977	64	C-2		D-38		A-19			9	22,950	
C519	1315-00-143-6930	42-3/4	46-3/4	51-1/4	2128	48	B-2	X	17"					8	22,180	
C519	1315-00-935-6154	42-3/4	46-3/4	51-1/4	2128	48	B-2	X	17"					8	22,180	
C520	1315-01-041-2320	37-1/4	45-3/4	47-1/2	2370	60	G-2		D-38			A-12	A-72	10	28,909	
C520	1315-01-032-6127	45-1/2	38-1/2	48-5/8	1692	14	B-2		15"					10	21,970	
C521	1315-01-030-6838	40	48	47-7/8	2334	48	C-2		17"					8	23,840	
C521	1315-01-082-1717	42-1/4	48-1/4	48-1/4	2185	40	B-2	X	15"					8	22,710	
C521	1315-01-030-6838	42-1/4	48-1/4	48-1/4	2185	40	B-2	X	15"					8	22,710	
C521	1315-01-030-6838	42	48-1/8	48-1/4	2185	40	B-2	X	15"					8	22,710	
C521	1315-01-082-1717	42	48-1/8	48-1/4	2216	40	C-2	X	14"					8	22,960	
C523	1315-01-082-9856	42	48-1/8	48-1/4	2020	40	B-2	X	15"					8	21,390	
C523	1315-01-082-9856	42	48-1/8	48-1/4	2051	40	B-2	X	15"					8	21,640	
C697	1315-01-211-8411	43-1/2	54	52-1/4	3174	16	C-2			A-18	A-19			9	33,740	
C699	1315-00-007-4882	43-1/2	54	52-1/4	3174	16	C-2			A-18	A-19			9	33,740	
C704	1315-00-008-3188	43-1/2	54	52-1/4	3174	16	C-2			A-18	A-19			9	33,740	
C704	1315-00-145-7537	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62					18	34,230	
C704	1315-00-892-4864	36-7/8	47-1/4	36-3/4	1710	64	B-4	4"	H-62					18	36,390	
C704	1315-00-782-5830	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62					18	34,230	
C704	1315-00-965-0487	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62					18	34,230	
C704	1315-00-935-9128	36-7/8	47-1/4	36-3/4	1710	64	B-4	4"	H-62					18	36,390	
C704	1315-00-028-5016	47-1/4	31-3/8	42-5/8	1681	60	B-4	6"	H-62			A-12	A-72	20	39,150	
C704	1315-00-935-9128	47-1/4	31-3/8	42-5/8	1681	60	B-4	6"	H-62			A-12	A-72	20	39,150	
C704	1315-00-892-4864	47-1/4	31-3/8	42-5/8	1681	60	B-4	6"	H-62			A-12	A-72	20	39,150	
C704	1315-00-028-5016	36-7/8	47-1/4	36-3/4	1710	64	B-4	4"	H-62		A-19			18	36,390	
C705	1315-00-028-5017	36-7/8	47-1/4	36-3/4	1710	64	B-4	4"	H-62		A-19			18	36,390	
C705	1315-00-723-5724	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62		A-19			18	34,230	
C705	1315-00-935-9140	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62		A-19			18	34,230	
C705	1315-00-028-5017	47-1/4	31-3/8	42-5/8	1681	60	B-4	6"	H-62			A-12	A-72	20	39,150	
C705	1315-00-723-5724	47-1/4	31-3/8	42-5/8	1561	60	B-4	6"	H-62			A-12	A-72	20	36,750	
C705	1315-00-935-9140	47-1/4	31-3/8	42-5/8	1561	60	B-4	6"	H-62			A-12	A-72	20	36,750	
C706	1315-00-028-5015	36-7/8	47-1/4	36-3/4	1710	64	B-4	4"	H-62		A-19			18	36,390	
C706	1315-00-761-2073	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62		A-19			18	34,230	
C706	1315-00-935-9212	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62		A-19			18	34,230	
C706	1315-00-965-0788	36-7/8	47-1/4	36-3/4	1590	64	B-4	4"	H-62		A-19			18	34,230	
C706	1315-00-965-0788	47-1/4	31-3/8	42-5/8	1561	60	B-4	4"	H-62			A-12	A-72	20	36,750	
C706	1315-01-129-9337	47-1/4	31-3/8	42-5/8	1561	60	B-4	6"	H-62			A-12	A-72	20	36,750	
C706	1315-00-935-9212	47-1/4	31-3/8	42-5/8	1561	60	B-4	6"	H-62			A-12	A-72	20	36,750	
C706	1315-00-028-5015	47-1/4	31-3/8	42-5/8	1681	60	B-4	6"	H-62			A-12	A-72	20	39,150	
C706	1315-00-761-2073	47-1/4	31-3/8	42-5/8	1561	60	B-4	6"	H-62			A-12	A-72	20	36,750	
C708	1315-00-028-5006	36-1/4	46	32-5/8	1484	60	B-4	4"	H-62			A-12	A-72	20	35,210	
C708	1315-00-028-5011	36-1/4	46	32-5/8	1484	60	B-4	4"	H-62			A-12	A-72	20	35,210	
C708	1315-00-028-5014	36-1/4	46	32-5/8	1484	60	B-4	4"	H-62			A-12	A-72	20	35,210	
C708	1315-00-008-7787	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19			18	34,230	
C708	1315-00-028-5020	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19			18	34,230	
C708	1315-00-465-6032	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19			18	34,230	
C708	1315-00-926-1935	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19			18	34,230	
C708	1315-00-935-9131	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19			18	34,230	
C708	1315-00-935-9214	36-7/8	47-1/2	36-7/8	1590	64	B-4	4"	H-62		A-19					

LOADING CONFIGURATION CHART

DDDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
C783	1315-01-169-8749	41	45-5/8	51-1/8	1633	48	B-2	X	19"	F-51				8	18,230	
C784	1315-01-165-6487	41	45-5/8	51-1/8	1853	48	B-2	X	19"	F-51				8	20,000	
C785	1315-01-165-6488	41	45-5/8	51-1/8	1633	48	B-4	X	19"	F-51				8	18,230	
C868	1315-01-158-8199	42	51	44-7/8	1798	20	B-4		6"	G-58				16	34,300	
C869	1315-01-158-8200	42	51	44-7/8	1798	20	B-4		6"	G-58				16	34,300	
C870	1315-01-199-8688	43	62-1/8	39	2008	24	A-4	X	12"		B-26			12	29,650	
C871	1315-01-289-9789	43	62-1/8	39	1846	24	A-4	X	12"		B-26			12	27,700	
C995	1315-01-245-4950	35-1/2	45-7/8	39	529	60	A-4		4"	H-62				20	16,060	
C995	1315-01-245-4950	36-1/4	46-1/2	46-1/2	570	36	A-2			D-38		A-12	A-72	10	10,900	
D003	1320-00-171-0760	43-7/8	51-1/4	39-3/4	1624	20	B-4		5"	A-22				16	31,490	
D381	1320-00-926-1877	50-3/4	42-1/8	47-5/8	1209	40	A-2		8"	E-42				8	14,860	
D381	1320-00-182-3432	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D381	1320-00-491-0420	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D381	1320-00-143-6832	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D383	1320-00-935-6185	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D383	1320-00-180-9784	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D383	1320-00-351-7905	50-3/4	42-1/8	47-5/8	1213	40	A-2		8"	E-42				8	14,900	
D390	1320-00-496-9733	50	39-1/2	45-1/2	1223	48	A-4	X	16"	F-51				16	25,040	
D390	1320-00-926-4103	50	39-1/2	45-1/2	1233	48	A-4	X	16"	F-51				16	25,040	
D570	1320-00-555-5126	43-3/4	49	40-3/8	2416	20	C-4		11"	A-22				16	44,200	
D590	1320-00-926-4072	43-3/4	49	40-3/8	2416	20	C-4		11"	A-22				16	44,200	
D681	1320-00-926-9303	37-3/4	47-1/2	50-1/2	2055	64	C-2			H-62		A-19		9	23,640	
G803	1330-00-935-9283	40-1/2	52	50-1/2	1130	10	A-2		4"			A-12	A-72	8	14,100	
G805	1330-00-028-5829	35-5/8	45-5/8	50-3/8	973	36	A-2		4"	D-38		A-12	A-72	10	14,810	
G806	1330-00-143-7120	35-5/8	45-5/8	50-3/8	973	36	A-2		4"	D-38		A-12	A-72	10	14,810	
G811	1330-00-178-8515	36-1/8	47-5/8	49-3/4	2111	64	C-2		4"	D-38		A-19		9	24,190	
G815	1330-01-124-5031	36-7/8	48-1/2	30-7/8	1344	64	A-4		4"	H-62		A-19		18	29,740	
G826	1330-01-171-8869	37-3/8	48-7/8	33-1/2	1787	64	B-4			D-38		A-19		18	37,730	
G826	1330-01-171-8869	40	48	33-1/2	1615	48	B-4	X	18"	F-51				16	31,380	
G839	1330-00-892-4106	43-1/2	51	39	1960	20	B-4		5"	A-22				16	36,850	
G839	1330-01-077-4291	43-1/2	51	39	3163	20	D-2			A-22				8	30,660	
G878	1330-00-168-5502	42	52-1/4	41	1166	20	A-4		4"					16	24,130	
G881	1330-00-133-8244	37-7/8	45-1/2	38-3/4	1307	14	B-4		17"					20	31,410	
G900	1330-00-219-8557	43-1/2	52	41-1/2	2152	20	B-4		4"	A-22				16	39,940	
G911	1330-00-143-6807	40	52-1/2	52	1762	10	B-2					A-12	A-72	8	19,710	
G911	1330-00-194-2768	40	52-1/2	52	1762	10	B-2					A-12	A-72	8	19,710	
G922	1330-00-477-6704	41-5/8	53	42-3/8	1948	20	B-4			G-58				16	36,660	
G930	1330-00-219-8511	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G937	1330-00-676-2671	36-3/4	46-1/2	35-1/2	1295	60	B-4			H-62		A-12	A-72	20	31,410	
G940	1330-00-289-6851	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G945	1330-00-289-6854	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G950	1330-00-289-6852	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G955	1330-00-289-6853	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G963	1330-00-965-0802	40-1/8	49-1/8	51-1/4	2355	10	C-2		10"			A-12	A-72	8	23,960	
G963	1330-00-182-1027	41-5/8	46-1/8	46-1/8	1422	48	A-2	X	19"	F-51				8	16,500	
G963	1330-00-799-8816	41-5/8	46-1/8	46-1/8	1422	48	A-2	X	19"	F-51				8	16,500	
G963	1330-00-965-0802	41-5/8	46-1/8	46-1/8	1422	48	A-2	X	19"	F-51				8	16,500	
H110 #	1340-00-169-5413	48	25-1/4	33	294	52	A-2		16"					24	12,380	
H110 #	1340-00-169-5416	48	25-1/4	33	294	52	A-2		16"					24	12,380	
H110 #	1340-00-132-0482	48	25-1/4	33	294	52	A-2		16"					24	12,380	
H116	1340-01-049-1882	43-1/2	72-7/8	34	2164	32*	A-4			C-34				10	27,270	
H163	1340-01-108-8851	42-1/2	66	34	2218	24	B-4		12"		B-26			12	32,200	
H164	1340-01-110-2672	42-1/2	66	34	2218	24	B-4		12"		B-26			12	32,200	
H180	1340-01-026-1730	35-5/8	46-1/8	51-3/4	1827	36	F-2			D-38		A-19	A-72	10	23,520	
H181	1340-01-249-7721	36-3/4	48-1/2	52-3/8	2066	64	C-2			D-38				9	23,800	
H459	1340-00-223-7224	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H459	1340-00-401-4460	70-1/8	19-7/8	23-3/4	1239											
H464	1340-01-108-8850	43-1/2	72-7/8	34	2479	32*	A-4		18"	C-34				10	30,420	
H489	1340-00-935-6025	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H489	1340-00-143-7100	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H489	1340-00-143-7099	43-1/2	62-7/8	34	1688	24	A-4		18"		B-26			12	25,770	
H489	1340-00-223-7219	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H490	1340-00-935-9257	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H490	1340-00-935-9252	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H490	1340-00-926-1945	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H490	1340-00-782-5852	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H490	1340-00-935-9256	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H490	1340-00-935-9256	37-1/8	46-1/2	52-3/4	3304	64	D-2					A-19		9	35,000	
H490	1340-00-191-3306	43-1/2	62-7/8	34	1988	24	A-4				B-26			12	29,370	
H490	1340-00-935-9257	43-1/2	62-7/8	34	1688	24	A-4		18"		B-26			12	25,770	
H519	1340-00-143-7107	35-5/8	46-1/8	51-3/4	2188	36	F-2			D-38		A-12	A-72	10	27,130	
H519	1340-00-912-4548	35-5/8	46-1/8	51-3/4	2188	36	F-2			D-38		A-12	A-72	10	27,130	
H519	1340-00-406-7327	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H519	1340-00-143-7107	35-5/8	46-1/8	51-3/4	2187	36	F-2			D-38		A-12	A-72	10	27,120	
H519	1340-00-912-4548	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H519	1340-00-406-7327	43-1/2	62-7/8	34	1988	24	A-4		18"		B-26			12	29,370	
H534	1340-00-935-6134	35-5/8	46-1/8	51-3/4	2112	36	F-2			D-38		A-12	A-72	10	26,370	
H534	1340-00-935-2064	35-5/8	46-1/8	51-3/4	2112	36	F-2			D-38		A-12	A-72	10	26,370	
H534	1340-00-935-6134	37-1/8	46-1/2	52-3/4	3352	64	H-2			D-38		A-19		9	35,430	
H534	1340-00-191-3315	43-1/2	72-7/8	34	2524	32*	A-4		18"	C-34				10	30,870	
H534	1340-00-143-7115	43-1/2	72-7/8	34	3109	32*	B-4			C-34				10	36,790	
H557	1340-01-199-8683	41-1/4	33-1/2	36-7/8	480	56	A-4		11"	G-58				24	16,840	
H557	1340-01-116-2520	41-1/4	33-1/2	36-7/8	398	56	A-4		11"	G-58				24	14,870	
H557	1340-00-021-4491	41-1/4	33-1/2	36-7/8	398	56	A-4		11"	G-58				24	14,870	
H557	1340-00-007-4889	41-1/4	33-1/2	36-7/8	398	56	A-4		11"	G-58				24	14,870	
H557	1340-00-021-4480	41-1/4	33-1/2	36-7/8	398	56	A-4		11"	G-58				24	14,870	
H557	1340-01-029-8012	41-1/4	33-1/2	36-7/8	398	56	A-4		11"	G-58				24	14,870	
H557	1340-00-021-4478	41-1/4	33-1/2	36-7/8	398	56	A-4		11"							

LOADING CONFIGURATION CHART

DDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
H708	1340-00-143-6911	40	48	38-1/4	608	48	A-4	X	19"	F-51				16	15,200	
H842	1340-00-239-5923	35-5/8	46-1/4	42-1/2	2208	60	C-4			H-62		A-12	A-72	20	49,680	
H842	1340-00-725-8382	41-1/2	49-1/2	51-1/8	3570	40	D-2		8"	E-62				8	33,830	
J106	1340-00-935-8924	35-5/8	46-1/8	51-3/4	2247	36	F-2			D-38		A-12	A-72	10	27,720	
J106	1340-00-935-6021	35-5/8	46-1/8	51-3/4	2037	36	F-2			D-38		A-12	A-72	10	25,620	
J143	1340-01-118-2838	92-1/2	28	21-1/4	547											
J147	1340-01-154-1679	36-3/4	48-1/2	52-3/8	2201	64	C-2			D-38		A-19		9	25,060	
J147	1340-01-154-1679	36-3/4	48-1/2	52-3/8	2176	64	C-2			D-38		A-19		9	24,830	
K002	1345-00-028-5105	44-1/4	49-1/8	39	1077	20	A-4		12"	A-22				16	22,700	
K010	1345-00-690-7338	39-1/4	46-1/8	50-1/2	1891	64	B-2			D-38		A-19		9	22,250	
K040	1345-00-028-5127	41-1/2	49	41-1/2	1367	20	A-4		13"	G-58				16	27,420	
K051	1345-00-028-5130	38-1/2	49-3/8	50-1/8	2151	48	B-2		18"	B-31				8	22,360	
K055	1345-00-028-5121	38-7/8	48-3/4	40-5/8	1127	48	A-4	X	20"	F-51				16	23,510	
K068	1345-01-228-8477	35	46	46-1/8	1752	36	B-4		3"	D-38		A-12	A-72	10	22,740	
K092	1345-00-965-0742	41-1/4	49-1/8	36-1/4	2037	48	B-4	X	16"	F-51				16	38,130	
K092	1345-00-028-5131	41-1/4	49-1/8	36-1/4	2037	48	B-4	X	16"	F-51				16	38,130	
K092	1345-00-529-7303	41-1/4	49-1/8	36-1/4	2037	48	B-4	X	16"	F-51				16	38,130	
K143	1345-00-710-6946	42-1/4	54	35-3/4	1793	44	A-4		6"		C-46	A-19		14	30,620	
K151	1345-01-076-3497	43	55-3/4	23-1/8	1441	44	F-3				C-46	B-19		21	35,880	
K151	1345-01-076-3497	42-1/4	29-3/8	35-1/2	1222	52	F-4				A-18			30	42,150	
K180	1345-00-028-5118	37-1/2	45-1/2	41-1/2	1540	14	B-4	X	12"					20	36,010	
K180	1345-00-173-2715	37-1/2	45-1/2	41-1/2	1540	14	B-4	X	12"					20	36,010	
K180	1345-01-142-3441	37-1/2	45-1/2	41-1/2	1540	14	B-4	X	12"					20	36,010	
K181	1345-00-729-4263	38-1/2	28	33-1/2	573	52	B-2		15"		C-46			30	22,460	
K184	1345-01-078-4104	43	55-3/4	23-1/8	1561	44	F-3				C-46	B-19		21	38,400	
K184	1345-01-078-4104	42-1/4	29-3/8	35-1/2	1438	52	F-4				A-18			30	48,630	
K250	1345-00-324-1425	42-1/2	48-3/4	53-1/2	2679	40	C-2		9"	E-42				8	26,670	
K250	1345-00-348-8646	42-1/2	48-3/4	53-1/2	2679	40	C-2		9"	E-42				8	26,670	
K250	1345-01-054-8874	48-3/8	32-1/8	31	790	68	C-2		J-70			A-12	A-72	20	21,040	
K250	1345-00-849-9768	48-3/8	32-1/8	31	790	68	C-2		J-70			A-12	A-72	20	21,040	
K866	1365-00-598-5207	36	48	44-7/8	1765	64	B-4		5"	H-62		A-19		18	37,380	
K867	1365-01-096-1455	36-1/4	49-7/8	40-3/4	670	64	A-4			H-62		A-19		18	17,650	
K867	1365-00-598-5220	43-7/8	49-1/8	51-5/8	1404	40	A-2		12"	B-31				8	16,420	
K867	1365-01-096-1455	43-3/8	48	52-1/2	1470	40	A-2		16"	E-42				8	16,950	
L116	1370-00-921-6172	44-5/8	50	40-3/4	1109	20	A-4		11"	A-22				16	23,230	
L116	1370-00-319-7560	44-5/8	50	40-3/4	1109	20	A-4		11"	A-22				16	23,230	
L117	1370-00-926-9387	44-5/8	50	40-3/4	1109	20	A-4		11"	A-22				16	23,230	
L117	1370-00-319-7579	25	22-3/8	17-5/8	128											
L119	1370-00-078-6350	42-3/4	52	40-1/4	566	20	A-4		4"		C-46			16	14,600	
L119	1370-00-490-7362	42-3/4	52	40-1/4	566	20	A-4		4"		C-46			16	14,600	
L275	1370-00-115-3432	42-1/2	53	50-1/2	2224	40	F-2							8	23,040	
L275	1370-00-309-5028	44-5/8	59	51-1/4	2330	28	C-2							6	19,160	
L275	1370-00-309-5027	39-1/2	46	38	1202	64	A-4	X	15"	B-31		A-19		18	27,130	
L275	1370-00-567-2817	43-1/2	51	40-1/2	1816	20	B-4		5"	H-62				16	34,540	
L275	1370-00-092-9955	35-1/2	45-7/8	11-7/8	458	68	B-4		4"	A-22				70	37,810	
L278	1370-00-921-6118	43-1/4	52-1/2	37	1708	20	A-4			J-70		A-12	A-72	16	32,340	
L305	1370-00-182-3408	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L306	1370-00-756-2591	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L307	1370-00-756-2588	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L311	1370-00-629-2336	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L312	1370-00-753-1859	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L314	1370-00-096-3133	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L314	1370-00-629-2335	40-1/8	53	35-1/4	1407	10	A-4					A-12	A-72	16	27,830	
L323	1370-00-301-1132	40-1/8	53	50-1/2	2069	10	B-2					A-12	A-72	8	21,620	
L324	1370-00-301-1131	40-1/8	53	50-1/2	2069	10	B-2					A-12	A-72	8	21,620	
L366	1370-00-028-6007	38-3/4	47-1/8	50-1/4	1928	64	B-2			D-38		A-19		9	22,530	
L367	1370-01-085-2601	35-5/8	45-3/4	34	1100	60	A-4		4"	H-62			A-12	A-72	20	27,500
L410	1370-01-048-2138	39	45-3/4	39-1/4	1870	64	B-4			H-62		A-19		18	39,200	
L410	1370-01-048-2138	42	52	37	2174	20	B-4		3"	G-58				16	40,260	
L495	1370-00-752-8060	37-1/2	48-3/4	35-1/2	917	64	A-4			F-51		A-19		18	21,920	
L508	1370-00-096-3135	37-3/4	50-3/4	49-7/8	1912	48	B-2	X	18"	B-31				8	20,450	
L594	1370-00-752-8126	38	51-1/2	32	613	48	A-4	X	18"	F-51				16	15,280	
L595	1370-01-047-3479	48	28	45	657	52	B-2		15"		C-46			24	21,190	
L596	1370-00-028-5112	39-1/4	45-5/8	38-1/2	1060	60	A-4			H-62		A-12	A-72	20	26,640	
L596	1370-00-935-1969	39-1/4	45-5/8	38-1/2	1060	60	A-4			H-62		A-12	A-72	20	26,640	
L598	1370-00-028-5256	44-5/8	55-1/2	42-5/8	1366	16	A-4				A-18	A-19		14	24,590	
L598	1370-00-028-5256	42-3/4	53-5/8	38-7/8	1204	20	A-4			G-58				16	24,760	
L598	1370-00-283-9443	43-1/2	51	30-5/8	1240	20	A-6			A-22				24	35,300	
L599	1370-00-028-5257	42-3/4	53-5/8	38-7/8	1204	20	A-4			G-58				16	24,760	
L599	1370-00-028-5257	44-5/8	55-1/2	42-5/8	1366	16	A-4				A-18	A-19		14	24,590	
L600	1370-00-028-5255	40-1/2	50	42-1/2	1558	10	A-4							16	30,320	
L601	1370-00-752-8124	46	50-1/4	45-5/8	1400	14*	A-4	X	15"			A-12	A-72	8	17,010	
L602	1370-01-128-0418	44	63-1/4	37-1/4	492	24	A-4		17"		B-26			12	11,420	
L602	1370-01-034-1397	44	63-1/4	37-1/4	492	24	A-4		17"		B-26			12	11,420	
L621	1370-00-219-8566	42-3/4	52-1/2	38-1/2	1488	20	A-4							16	29,310	
L621	1370-00-009-9596	35	45-1/2	40	553	14	A-4			G-58				24	18,440	
LY06	1370-00-767-7622	43-1/2	49-1/8	42-1/4	1959	20	B-4		13"	A-22				16	36,930	
M023	1375-00-724-7040	41-1/4	48-1/2	27-1/2	1798	20	D-3	X	14"	F-51				24	48,720	
M024	1375-00-728-5941	35-1/4	48	33-1/4	1331	60	B-4			H-62		A-12	A-72	20	32,130	
M028	1375-00-926-1948	30-5/8	65-5/8	38-1/4	1631	24	A-4		14"			A-12	A-72	12	25,010	
M030	1375-00-580-1377	36	49-7/8	44-1/2	2087	64	C-4			H-62		A-19		18	43,130	
M030	1375-00-926-9394	36	49-7/8	44-1/2	2087	14	C-4			H-62		A-19		18	43,130	
M031	1375-00-028-5140	38-1/2	45-1/2	39-1/4	1788	14	B-4		14"					20	41,100	
M031	1375-00-926-9316	38-1/2	45-1/2	39-1/4	1704	14	C-4		15"					20	39,400	
M032	1375-00-028-5142	38-1/2	45-1/2	39-1/4	1776	14	C-4		14"					20	40,860	
M032	1375-00-935-6139	38-1/2	45-1/2	39-1/4	1788	14	C-4		14"					20	41,100	
M039	1375-00-028-5145	43-3/4	54-5/8	34-3/4	1868	16	B-4				A-18	A-19		14	31,690	
M039	1375-00-028-5146	43-3/4	54-5/8	34-3/4	1868	16	B-4				A-18	A-19		14	31,690	

LOADING CONFIGURATION CHART

DDDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
M060	1375-00-926-4108	40	48-1/2	42-1/2	1505	48	A-4		F-51					16	29,560	
M130	1375-00-756-1865	39	46-1/4	47-1/2	1006	64	A-2		D-38		A-19			9	14,200	
M130	1375-00-028-5224	35-5/8	45-3/4	33-3/4	762	60	A-4		H-62			A-12	A-72	20	20,740	
M130	1375-00-028-5225	40	48	41-1/2	3739	10	D-2	X	B-31					8	35,140	
M130	1375-00-283-9442	35	46	37	1031	60	A-4		H-62			A-12	A-72	20	26,060	
M130	1375-00-297-2546	35	46	37	967	60	A-4		H-62			A-12	A-72	20	24,780	
M130	1375-01-192-9174	38-5/8	48-3/8	40	844	64	A-4		H-62		A-19			18	20,690	
M131	1375-00-028-5226	35-1/2	47-3/4	26	748	60	B-3		H-62			A-12	A-72	30	27,160	
M131	1375-01-193-2976	35-1/4	49-1/8	39-1/4	746	64	A-4		H-62		A-19			18	18,970	
M131	1375-01-057-6439	35	47-1/2	43-1/2	552	60	A-4		H-62			A-12	A-72	20	16,480	
M131	1375-00-028-5228	40-1/8	54	41-1/2	1653	16	A-4			A-18	A-19			14	28,670	
M131	1375-00-283-9440	35	46	37	999	60	A-4		H-62			A-12	A-72	20	25,420	
M131	1375-00-297-2525	35	46	37	1095	60	A-4		H-62			A-12	A-72	20	27,340	
M131	1375-00-028-5227	35-3/4	45-1/2	47-1/2	879	14	A-2							12	15,630	
M131	1375-00-756-1864	40	49-3/8	47-3/8	1323	10	A-2					A-12	A-72	8	15,670	
M241	1375-00-028-5171	45-3/8	50-1/4	38-3/4	1490	14	A-4							16	28,610	
M308	1377-00-958-1048	40-1/2	54	52-3/8	2249	16	B-2			A-18	A-19			7	20,920	
M420	1375-01-023-7994	41-1/2	48	40	749	48	A-4	X						16	17,460	
M420	1375-00-028-5237	42-3/8	53	39-1/2	1420	20	A-4		G-58					16	28,220	
M420	1375-00-529-7698	42-3/8	53	39-1/2	1420	20	A-4		G-58					16	28,220	
M420	1375-00-935-1924	42-3/8	53	39-1/2	1420	20	A-4		G-58					16	28,220	
M420	1375-00-028-5237	48-3/4	33-7/8	37-5/8	1037	60	A-4		H-62			A-12	A-72	20	26,180	
M420	1375-00-926-3939	48-3/4	33-7/8	37-5/8	1022	60	A-4		H-62			A-12	A-72	20	25,880	
M421	1375-00-028-5241	41	52-1/2	40-3/8	1647	10	B-4					A-12	A-72	16	31,670	
M421	1375-00-088-6691	41	52-1/2	40-3/8	1647	10	B-4					A-12	A-72	16	31,670	
M448	1375-00-729-4375	39	49	38-1/2	1422	10	A-4					A-12	A-72	16	28,140	
M450	1375-00-729-4378	39	49	38-1/2	1422	10	A-4					A-12	A-72	16	28,140	
M456	1375-00-180-9410	37-1/2	50	43	2179	10	B-4					A-12	A-72	16	40,320	
M456	1375-00-204-0851	44	48	41-1/2	1322	20	A-4							16	26,660	
M456	1375-00-180-9356	44	48	41-1/2	1322	20	A-4							16	26,660	
M456	1375-00-028-5168	43-7/8	49-1/2	31-1/2	1050	20	A-4							16	22,300	
M456	1375-00-310-2677	43-7/8	49-1/2	31-1/2	714	20	A-4							16	16,930	
M456	1375-00-204-0851	35-1/4	46	38-7/8	1008	60	A-4		H-62			A-12	A-72	20	25,660	
M456	1375-01-083-0700	42	60	53-1/2	1611	28	A-2	X	D-38					6	14,830	
M456	1375-01-083-0699	42	60	53-1/2	1611	28	A-2	X	D-38					6	14,830	
M456	1375-00-028-5168	43-7/8	49-1/2	31-1/2	685	20	A-4			A-22				16	16,450	
M500	1377-00-060-0885	40	51-1/2	37	1704	10	B-4					A-12	A-72	16	32,720	
M500	1377-00-306-7922	35	46	21-3/4	630	60	A-4		H-62			A-12	A-72	40	30,700	
M591	1375-00-724-9613	41-1/4	45-1/2	43-3/4	2879	48	D-4	X						16	51,760	
M598	1375-00-834-8884	39	28-1/2	38-3/4	1246	52	C-4		F-51					30	43,080	
M620	1375-00-028-5196	42-3/4	50-5/8	37	1229	20	A-4				C-46			16	25,200	
M621	1375-00-028-5197	42-3/4	50-5/8	37	1229	20	A-4				C-46			16	25,200	
M622	1375-00-028-5198	42-3/4	50-5/8	37	1229	20	A-4				C-46			16	25,200	
M622	1375-00-828-4881	42	48	45-1/2	1625	48	B-4	X	F-51					16	31,540	
M623	1375-00-813-7156	35	48-3/8	47-7/8	2088	64	C-2		D-38		A-19			9	24,000	
M626	1375-00-028-5179	38-1/4	50-1/2	46-1/2	1993	48	B-2	X	B-31					8	21,130	
M626	1375-00-028-5178	40-3/4	52-1/2	44-1/4	2038	10	B-4					A-12	A-72	16	38,010	
M670	1375-00-262-1674	43-7/8	51-1/4	39-3/4	1384	20	A-4							16	27,630	
M670	1375-00-028-5246	36	46	36	725	60	A-4		H-62			A-12	A-72	20	19,940	
M670	1375-00-028-5151	35-1/2	47-1/2	37-1/8	421	60	A-4		H-62			A-12	A-72	20	13,860	
M670	1375-00-028-5246	35-1/2	47-1/2	37-1/8	421	60	A-4		H-62			A-12	A-72	20	13,860	
M757	1375-00-926-3985	37-1/8	48-3/8	50-1/4	2125	64	C-2		D-38		A-19			9	24,330	
M766	1375-00-691-1671	42-3/8	51	52	2104	20	B-2		E-42					8	22,050	
M766	1375-00-028-5200	35-1/4	45-7/8	36-3/4	1270	60	B-4		H-62			A-12	A-72	20	30,910	
M766	1375-00-283-9452	43-1/2	51	39	1434	20	A-4		A-22					16	28,360	
M766	1375-00-529-9032	37-1/2	46-1/8	45-7/8	1500	64	B-4		H-62			A-12	A-72	20	35,510	
M965	1375-00-148-7159	39	46	27-5/8	509	64	A-3		H-62		B-47			27	19,210	
M995	1375-01-068-3985	37	47-1/2	35	752	64	A-4		H-62		A-19			18	19,140	
M998	1375-01-069-6672	37	47-1/2	35	752	64	A-4		H-62		A-19			18	19,140	
MD73	1377-01-049-6365	40	48-1/4	40	828	10	A-4	X	F-51					16	18,720	
ML03	1375-01-040-1526	35	46	36-1/2	1447	60	B-4		H-62			A-12	A-72	20	34,510	
ML04	1375-01-037-5428	43-1/2	51	39	1291	20	C-4		A-22					16	26,070	
ML09	1375-01-083-2820	40-1/4	50-1/2	30	1104	10	A-6					A-12	A-72	24	32,040	
ML10	1375-01-082-9919	40-1/4	50-1/2	30	1181	10	A-6					A-12	A-72	24	33,880	
ML11	1375-01-082-9920	40-1/4	50-1/2	30	1181	10	A-6					A-12	A-72	24	33,880	
ML12	1375-01-083-2822	40-1/4	50-1/2	30	1258	10	A-6					A-12	A-72	24	35,730	
ML13	1375-01-082-9921	40-1/4	50-1/2	30	1335	10	A-6					A-12	A-72	24	37,580	
ML14	1375-01-082-9922	40-1/4	50-1/2	30	1258	10	A-6					A-12	A-72	24	37,730	
ML15	1375-01-082-9923	40-1/4	50-1/2	30	1721	10	B-6					A-12	A-72	24	46,940	
ML16	1375-01-082-9924	40-1/4	50-1/2	30	1721	10	B-6					A-12	A-72	24	46,940	
ML17	1375-01-083-6325	40-1/4	50-1/2	30	1490	10	A-6					A-12	A-72	24	41,300	
ML18	1375-01-082-9925	40-1/4	50-1/2	30	1644	10	B-6					A-12	A-72	24	45,090	
ML19	1375-01-083-2821	40-1/4	50-1/2	30	1644	10	B-6					A-12	A-72	24	45,090	
N278	1390-01-032-6130	43-7/8	51-1/4	31-1/4	2103	20	B-4							16	39,130	
N278	1390-00-889-2044	43-7/8	51-1/4	31-1/4	2060	20	B-4							16	38,450	
N285	1390-01-247-4013	43-7/8	51-1/4	31-1/4	1664	20	B-4							16	32,110	
N285	1390-00-805-0692	43-7/8	51-1/4	31-1/4	1743	20	B-4							16	33,370	
N285	1390-01-158-8194	43-7/8	51-1/4	31-1/4	1671	20	B-4							16	32,220	
N286	1390-01-247-4012	43-7/8	51-1/4	31-1/4	1736	20	B-4							16	33,250	
N286	1390-00-169-5864	43-7/8	51-1/4	31-1/4	1743	20	B-4							16	33,370	
N286	1390-01-158-8193	43-7/8	51-1/4	31-1/4	1743	20	B-4							16	33,370	
N288	1390-01-050-8897	40-1/2	49-3/4	49	2538	10	C-2					A-12	A-72	8	25,430	
N331	1390-00-324-1419	40-1/2	46-1/8	45-1/2	3537	10	D-2							8	33,440	
N331	1390-00-926-3932	43-7/8	51-1/4	31-1/4	2247	20	C-4							16	41,460	
N334	1390-00-182-3029	35-1/4	45-1/2	49-3/4	1847	14	C-2							12	27,340	
N335	1390-00-187-5392	43-7/8	51-1/4	31-1/4	2085	20	B-4							16	38,840	
N335	1390-00-889-2014	36	47-5/8	51-1/8	3011	64	D-2				A-19			9	32,290	



LOADING CONFIGURATION CHART

DDDIC	NSN	LADING UNIT DIMENSIONS (INCHES/POUNDS)				LOAD PAGE	FWD/ REAR BLKNG ASSY.	DOOR POST VERTCL	FWD STRUT ASSY.	SIDE FILL ASSY.	CENTER FILL ASSY.	RE- TAINER GATE	TOP SPACER	ANTI- SWAY BRACE	LADNG UNITS PER CNTR.	APPROX GROSS WEIGHT (LBS.)
		LEN.	WIDTH	HT.	WEIGHT											
N335	1390-00-892-4302	43-7/8	51-1/4	31-1/4	2060	20	C-4	5"	A-22					16	38,450	
N340	1390-01-132-7481	43-7/8	51-1/4	31-1/4	1743	20	B-4	5"	A-22					16	33,370	
N340	1390-00-574-7705	43-7/8	51-1/4	31-1/4	1743	20	C-4	5"	A-22					16	33,370	
N402	1390-00-764-9124	43-7/8	51-1/4	31-1/4	1599	20	C-4	5"	A-22					16	31,070	
N402	1390-00-764-9124	43-7/8	51-1/4	47-3/4	3112	20	D-2		A-22					8	30,260	
N463	1390-00-182-3132	43-7/8	51-1/4	47-3/4	3112	20	D-2		A-22					8	30,260	
N464	1390-01-202-1710	43-7/8	51-1/4	31-1/4	1888	20	B-4	5"	A-22					16	35,690	
N464	1390-01-137-5444	43-7/8	51-1/4	31-5/8	1902	20	C-4	5"	A-22					16	35,920	
N464	1390-01-137-5444	43-7/8	51-1/4	31-1/4	1888	20	C-4	5"	A-22					16	35,690	
N464	1390-01-020-0096	43-7/8	51-1/4	31-5/8	1902	20	C-4	5"	A-22					16	35,920	
N464	1390-01-020-0096	43-7/8	51-1/4	31-1/4	1888	20	C-4	5"	A-22					16	35,690	
N523	1390-00-892-4202	36	48-1/4	39-1/4	954	64	A-4	6"	H-62		A-19			18	22,720	
N523	1390-01-329-0777	36	48-1/4	39-1/4	1305	64	A-4	6"	H-62		A-19			18	29,040	