

APPROVED BY U.S. COAST GUARD <i>Michael Marmutz</i>	APPROVED BY BUREAU OF EXPLOSIVES <i>E. P. Ralston</i> SUPERVISOR, MILITARY & INTERMODAL SERVICES
DATE <i>8/14/84</i>	DATE <i>7/21/84</i>
REVISION NO. 1 SIGNED <i>E. P. Ralston</i>	REVISION NO. 1 SIGNED <i>E. P. Ralston</i>
DATE <i>7/9/85</i>	DATE <i>11/21/84</i>

# LOADING AND BRACING<sup>①</sup> WITH WOODEN DUNNAGE IN COMMERCIAL CONTAINERS OF DISPENSER AND BOMB, AIRCRAFT, CBU-MK 20, IN CNU-238/E CONTAINER OR CNU-319/E CONTAINER

① LOADING AND BRACING SPECIFICATIONS SET FORTH WITHIN THIS DRAWING ARE APPLICABLE TO LOADS THAT ARE TO BE SHIPPED BY TRAILER/CONTAINER-ON-FLAT-CAR (T/COFC) RAIL CARRIER SERVICE. THESE SPECIFICATIONS MAY ALSO BE USED FOR LOADS THAT ARE TO BE MOVED BY MOTOR OR WATER CARRIERS. SEE GENERAL NOTE "K" ON PAGE 3.

### INDEX

ITEM	PAGE(S)
TYPICAL LOADING PROCEDURES FOR CNU-238/E CONTAINERS -----	2
GENERAL NOTES, AND MATERIAL SPECIFICATIONS -----	3
CNU-238/E CONTAINER DETAILS -----	6
CNU-238/E CONTAINER LOAD DETAILS -----	4-7
TYPICAL LOADING PROCEDURES FOR CNU-319/E CONTAINERS -----	8
CNU-319/E CONTAINER DETAILS -----	12
CNU-319/E CONTAINER LOAD DETAILS -----	10-13
DETAILS -----	14

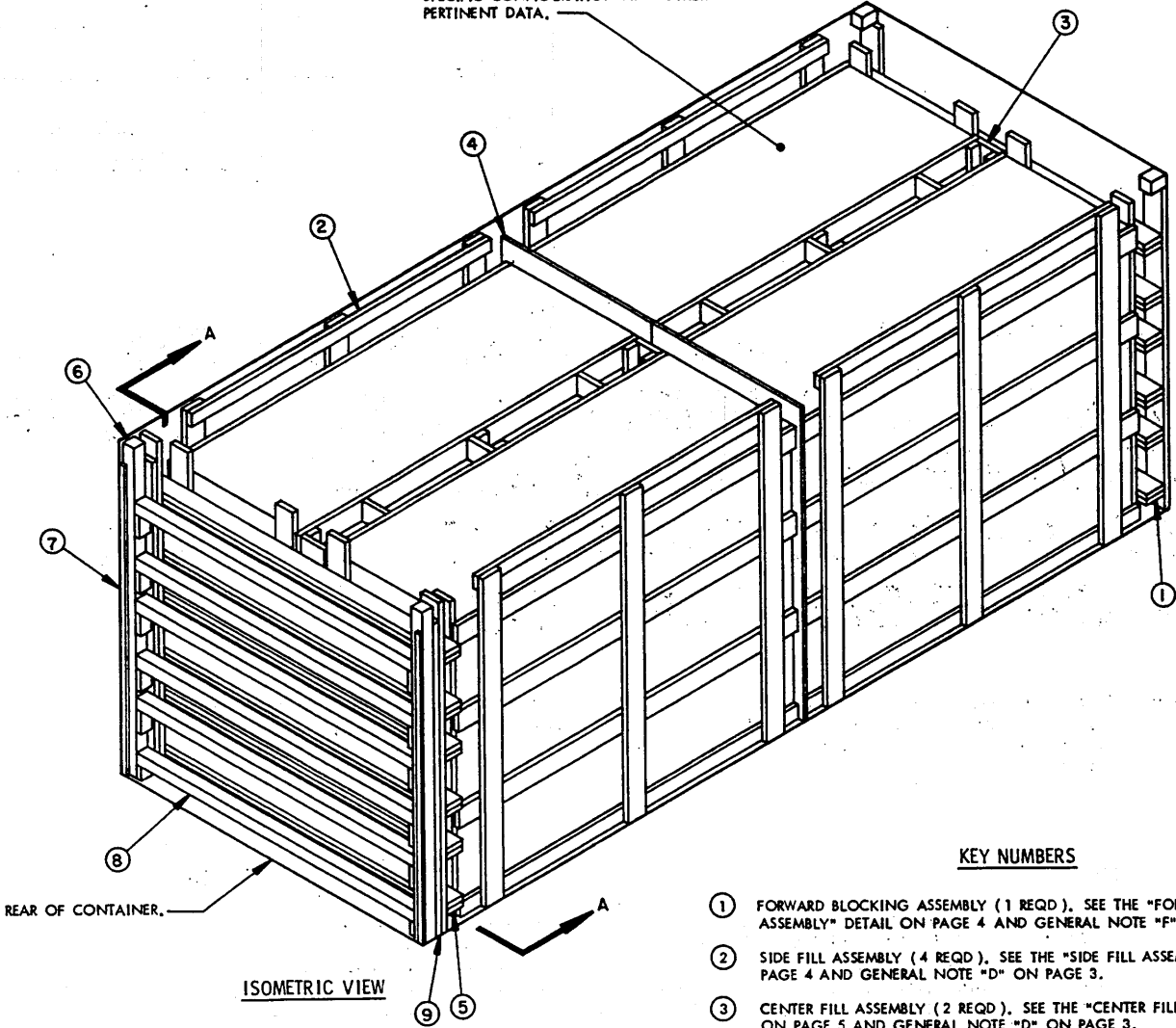
### REVISION

REVISION NO. 1, DATED OCTOBER 1984, CONSISTS OF:  
ADDING OUTLOADING PROCEDURES FOR CBU-MK 20  
WHEN PACKED IN CNU-319/E CONTAINERS.

REVISIONS		DRAFTSMAN	PROJ ENG
1	OCT 84	<i>Dirr</i>	<i>JEH</i>
		CHECKER	LOG ENGRG OFFICE
		<i>GES</i>	<i>W. B. Smith</i>
		APPROVED, U.S. ARMY ARMAMENT, IDENTIFIED, AND CHEMICAL COMMAND	
		<i>B. J. Skakoon</i>	
		APPROVED BY SUPERVISOR, COMMANDING GENERAL, U.S. ARMY	
		<i>John L. Reynolds</i>	
		U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
		U.S. ARMY AMC DRAWING	
		AUGUST 1984	
CLASS	DIVISION	DRAWING	FILE
19	48	4193	15PM 1005

DO NOT SCALE

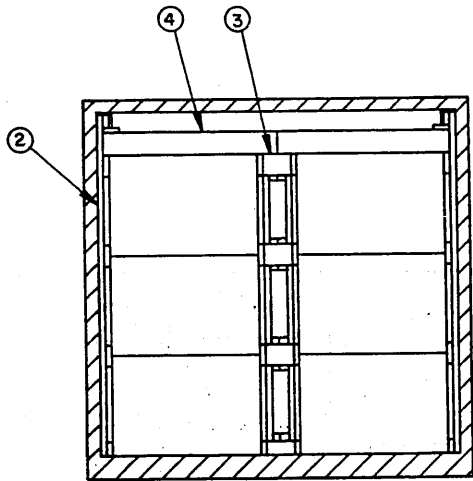
INDICATES A CNU-238/E CONTAINER, SEE THE DETAIL ON PAGE 6 FOR THE SPECIFIC CONFIGURATION AND OTHER PERTINENT DATA.



ISOMETRIC VIEW

KEY NUMBERS

- ① FORWARD BLOCKING ASSEMBLY (1 REQD). SEE THE "FORWARD BLOCKING ASSEMBLY" DETAIL ON PAGE 4 AND GENERAL NOTE "F" ON PAGE 3.
- ② SIDE FILL ASSEMBLY (4 REQD). SEE THE "SIDE FILL ASSEMBLY" DETAIL ON PAGE 4 AND GENERAL NOTE "D" ON PAGE 3.
- ③ CENTER FILL ASSEMBLY (2 REQD). SEE THE "CENTER FILL ASSEMBLY" DETAIL ON PAGE 5 AND GENERAL NOTE "D" ON PAGE 3.
- ④ SEPARATOR GATE (1 REQD). SEE THE "SEPARATOR GATE" DETAIL ON PAGE 6.
- ⑤ REAR BLOCKING ASSEMBLY (1 REQD). SEE THE "REAR BLOCKING ASSEMBLY" DETAIL ON PAGE 5 AND GENERAL NOTE "F" ON PAGE 3.
- ⑥ DOOR POST VERTICAL (2 REQD). SEE THE "DOOR POST VERTICAL" DETAIL AND "DETAIL A" ON PAGE 7.
- ⑦ DOOR POST VERTICAL RETAINER (2 REQD). SEE THE "DOOR POST VERTICAL RETAINER" DETAIL ON PAGE 14 AND "DETAIL A" ON PAGE 7. NAIL THROUGH THE HOLES INTO THE DOOR POST VERTICAL W/4-10d NAILS.
- ⑧ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE A DRIVE FIT (REF: 7"-1-3/8") (6 REQD). TOENAIL TO THE DOOR POST VERTICALS W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 7.
- ⑨ FILL MATERIAL, 6" WIDE BY 6'-8" LONG MATERIAL (AS REQD). NAIL EACH PIECE TO THE REAR BLOCKING ASSEMBLY AND/OR LAMINATE TOGETHER W/6 NAILS OF A SUITABLE SIZE (10d FOR 2" MATERIAL). **CAUTION:** DO NOT NAIL TO THE DOOR POST VERTICAL, PIECE MARKED ⑥.



SECTION A-A

**GENERAL NOTES**

**RECOMMENDED SEQUENTIAL LOADING PROCEDURES:**

1. PREFABRICATE ONE FORWARD BLOCKING ASSEMBLY, FOUR SIDE FILL ASSEMBLIES, TWO CENTER FILL ASSEMBLIES, ONE SEPARATOR GATE, ONE REAR BLOCKING ASSEMBLY, AND NAIL A DOOR POST VERTICAL RETAINER TO EACH DOOR POST VERTICAL, ONE RIGHT HAND AND ONE LEFT HAND.
2. INSTALL FORWARD BLOCKING ASSEMBLY.
3. INSTALL ONE SIDE FILL ASSEMBLY, LOAD ONE STACK OF THREE CONTAINERS, AND INSTALL ONE CENTER FILL ASSEMBLY.
4. INSTALL SIDE FILL ASSEMBLY AND LOAD ONE STACK OF THREE CONTAINERS.
5. INSTALL ONE SEPARATOR GATE.
6. REPEAT STEP 3.
7. REPEAT STEP 4.
8. INSTALL REAR BLOCKING ASSEMBLY.
9. INSTALL THE TWO DOOR POST VERTICAL ASSEMBLIES (ONE RIGHT HAND AND ONE LEFT HAND).
10. INSTALL TWO DOOR SPANNER PIECES (ONE AT THE LOWEST POSITION AND ONE AT THE UPPERMOST POSITION).
11. INSTALL FILL MATERIAL.
12. INSTALL THE REMAINING FOUR DOOR SPANNER PIECES.

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1, AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- B. THE SPECIFIED OUTLOADING PROCEDURES ARE APPLICABLE TO LOADS OF CNU-238/E AND CNU-319/E METAL SHIPPING AND STORAGE CONTAINERS LOADED WITH CBU-MK20 BOMB AND DISPENSER. SUBSEQUENT REFERENCE TO CONTAINER MEANS THE CONTAINER WITH AMMUNITION ITEMS. SEE PAGES 6 AND 12 FOR THE DETAILS OF THE CONTAINERS. CAUTION: REGARDLESS OF THE QUANTITY OF CONTAINERS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- C. THE LOADS AS SHOWN ARE BASED ON A 4,700 POUND 20' LONG BY 8' WIDE BY 8' HIGH INTERMODAL COMMERCIAL CONTAINER WITH INSIDE DIMENSIONS OF 19'-4" LONG BY 92" WIDE BY 89" HIGH. THE LOAD IS DESIGNED FOR TRAILER/CONTAINER-ON-FLAT-CAR (T/COFC) SHIPMENT, HOWEVER, THE LOAD AS DESIGNED CAN ALSO BE MOVED BY OTHER SURFACE MODES OF TRANSPORT. NOTICE: OTHER CONTAINERS OF THE SAME DESIGN CONFIGURATION CAN BE USED.
- D. WHEN LOADING CONTAINERS, THEY ARE TO BE POSITIONED SO AS TO ACHIEVE A TIGHT LOAD (TIGHT AGAINST THE FORWARD AND SIDE DUNNAGE ASSEMBLIES). ALTHOUGH A TOTAL OF ONE AND ONE-HALF INCHES (1-1/2") OF UNBLOCKED SPACE ACROSS THE WIDTH OF A LOAD BAY IS PERMITTED, LATERAL VOIDS WITHIN THE LOAD ARE TO BE HELD TO A MINIMUM. EXCESSIVE SLACK CAN BE ELIMINATED FROM A LOAD BY LAMINATING ADDITIONAL PIECES OF APPROPRIATE THICKNESS TO THE BEARING PIECES ON THE SIDE FILL ASSEMBLIES ON ONE OR BOTH SIDES OF THE CONTAINER. NAIL EACH ADDITIONAL PIECE TO THE BEARING PIECE W/1 APPROPRIATELY SIZED NAIL EVERY 12". ADDITIONALLY, THE LENGTH OF THE LATERAL AND SUPPORT PIECES OF THE CENTER FILL ASSEMBLIES MAY BE ADJUSTED AS NECESSARY, TO FACILITATE VARIANCE IN CONTAINER SIZE.
- E. DUNNAGE LUMBER SPECIFIED IS OF A NOMINAL SIZE. FOR EXAMPLE, 2" X 4" MATERIAL IS ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE.
- F. A STAGGERED NAILING PATTERN WILL BE USED WHENEVER POSSIBLE WHEN NAILS ARE DRIVEN INTO JOINTS OF DUNNAGE ASSEMBLIES OR WHEN LAMINATING DUNNAGE. ADDITIONALLY, THE NAILING PATTERN FOR AN UPPER PIECE OF LAMINATED DUNNAGE WILL BE ADJUSTED AS REQUIRED SO THAT A NAIL FOR THAT PIECE WILL NOT BE DRIVEN THROUGH ONTO OR RIGHT BESIDE A NAIL IN A LOWER PIECE.
- G. IN SOME CONTAINERS, 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 ON THE FORWARD BLOCKING ASSEMBLY TO PROVIDE A FLAT SURFACE FOR THE 2" X 6" 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 SIDE WALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- K. REQUIREMENTS CITED WITHIN THE BUREAU OF EXPLOSIVES PAMPHLET 6C APPLY WHEN THE SHIPMENT MOVES BY TRAILER/CONTAINER-ON-FLAT-CAR (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 RAIL CAR 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.
- L. DURING INTRASTATE AND/OR INTERSTATE MOVES BY MOTOR CARRIER, A PROPER CHASSIS/MODIFIED FLAT BED TRAILER MUST BE USED TO PRECLUDE VIOLATION OF ONE OR MORE "WEIGHT LAWS" APPLICABLE TO THE STATE OR STATES INVOLVED.
- M. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4MM AND ONE POUND EQUALS 0.454KG.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 3"	4	2
2" X 4"	191	127
2" X 6"	598	598
4" X 4"	58	77
NAILS	NO. REQD	POUNDS
10d (3")	930	14-1/2
12d (3-1/4")	24	1/2
PLYWOOD, 1/2"	54 SQ FT REQD	73 LBS
DOOR POST VERTICAL RETAINER	2 REQD	64 LBS

**MATERIAL SPECIFICATIONS**

- LUMBER** ----- : TM 743-200-1 (DUNNAGE LUMBER) AND FED SPEC MM-L-751.
- NAILS** ----- : FED SPEC FF-N-105; COMMON.
- STEEL, STRUCTURAL** --- : FED SPEC QQ-S-741; SQUARE STRUCTURAL TUBING AND HOT-ROLLED STRIP.

**LOAD AS SHOWN**

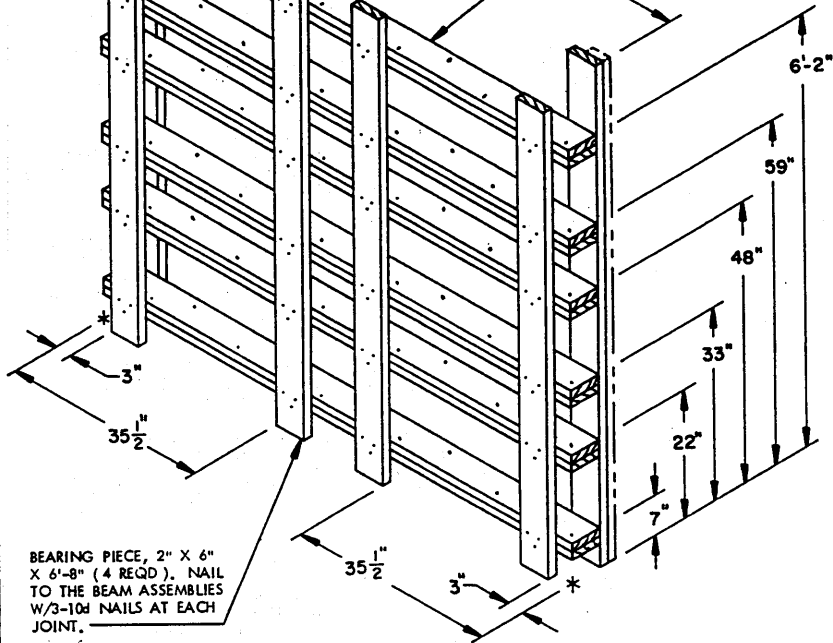
ITEM	QUANTITY	WEIGHT (APPROX)
CNU-238/E CONTAINER - 12	-----	20,332 LBS
DUNNAGE	-----	1,760 LBS
CONTAINER	-----	4,700 LBS
TOTAL WEIGHT-----		26,792 LBS

SEE GENERAL NOTE "G"  
ON PAGE 3.

BUFFER PIECE, 2" X 6" X INSIDE CONTAINER  
HEIGHT MINUS 1/2" (REF: 7'-1-1/2") (2 REQD).  
NAIL TO THE BEAM ASSEMBLIES W/3-10d NAILS  
AT EACH JOINT.

INSIDE CONTAINER  
WIDTH MINUS 1"  
(REF: 7'-7")

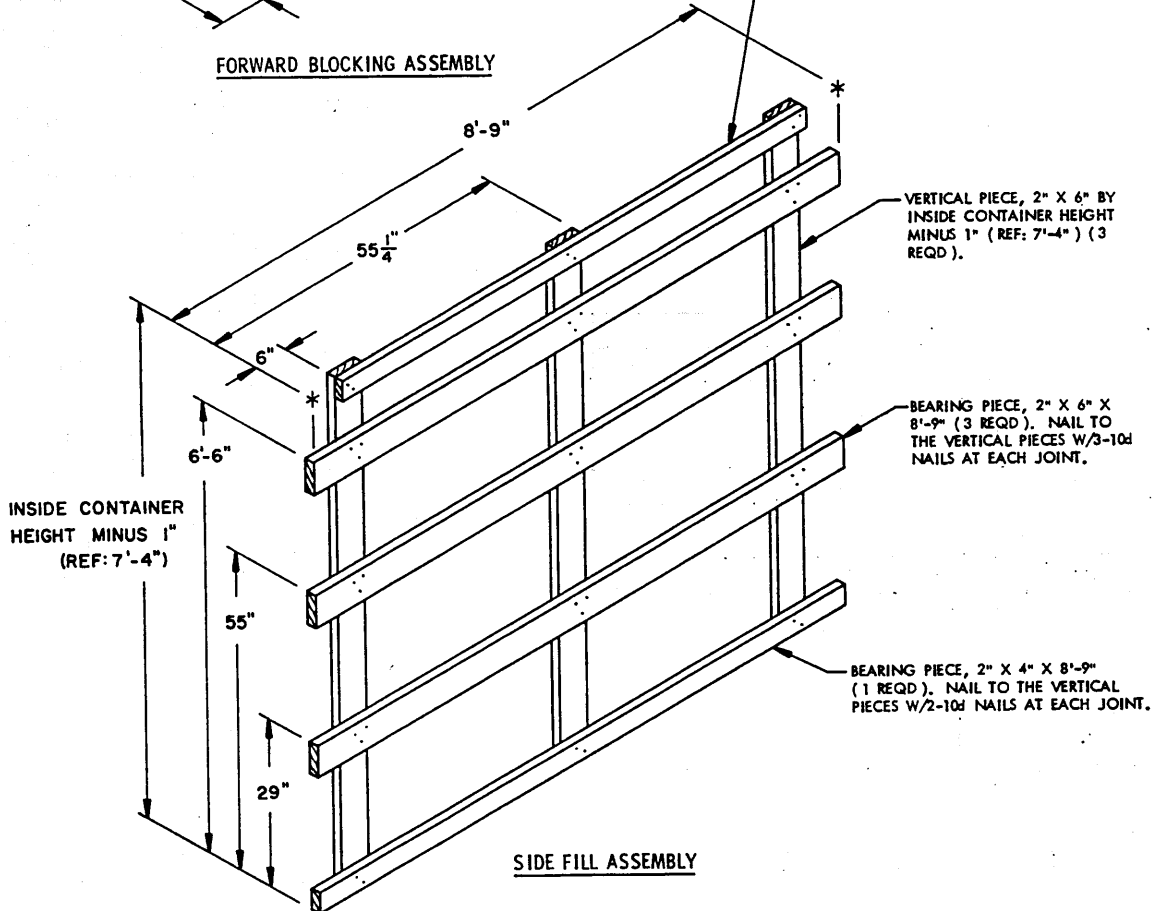
BEAM ASSEMBLY, 2" X 6" BY INSIDE CONTAINER  
WIDTH MINUS 1" (REF: 7'-7") (DOUBLED) (6 REQD).  
LAMINATE THE SECOND PIECE TO THE FIRST PIECE  
W/11-10d NAILS.



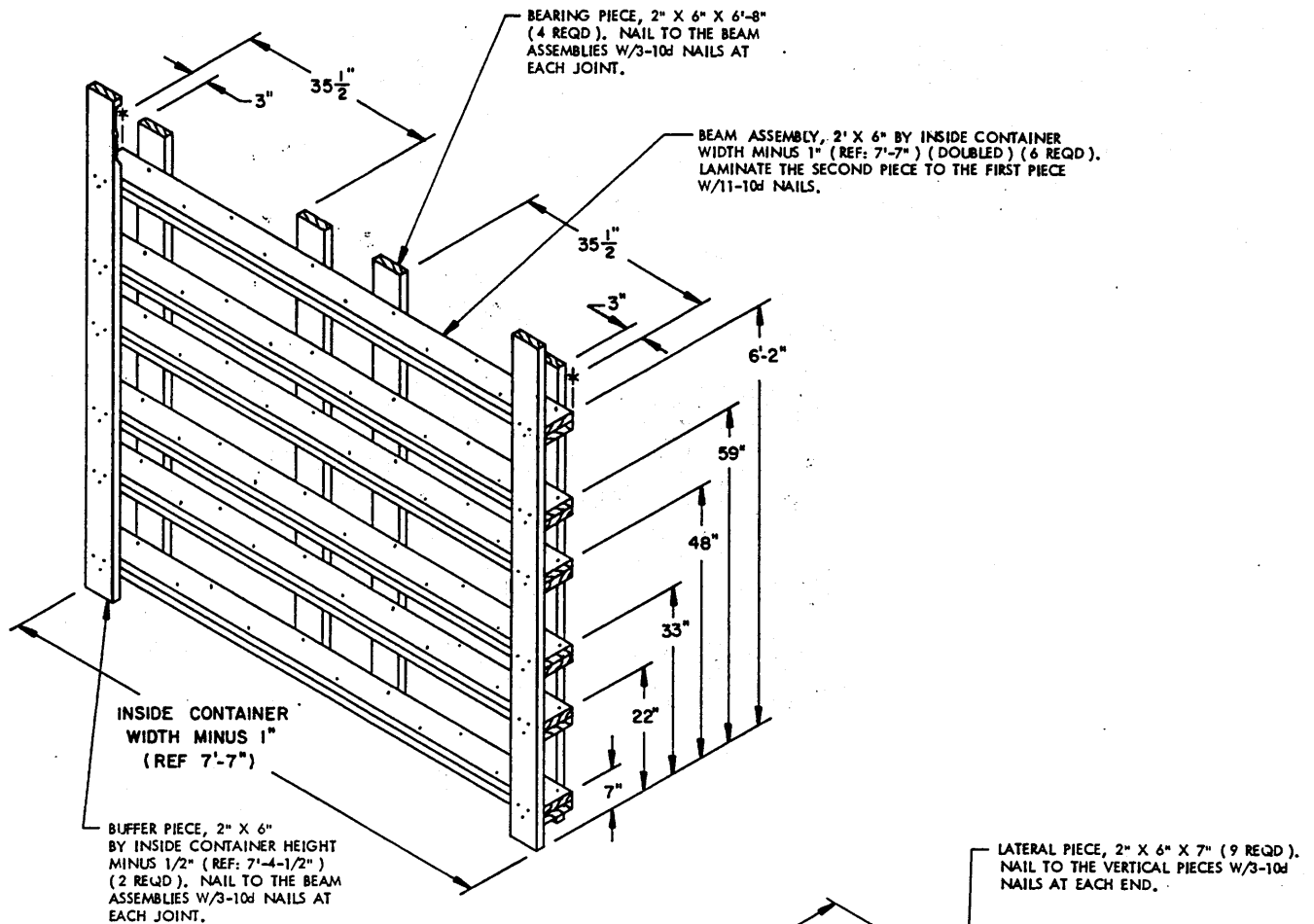
BEARING PIECE, 2" X 6"  
X 6'-8" (4 REQD). NAIL  
TO THE BEAM ASSEMBLIES  
W/3-10d NAILS AT EACH  
JOINT.

TIE PIECE, 2" X 4" X 7'-9" (1 REQD).  
NAIL TO THE VERTICAL PIECES W/2-10d  
NAILS AT EACH JOINT.

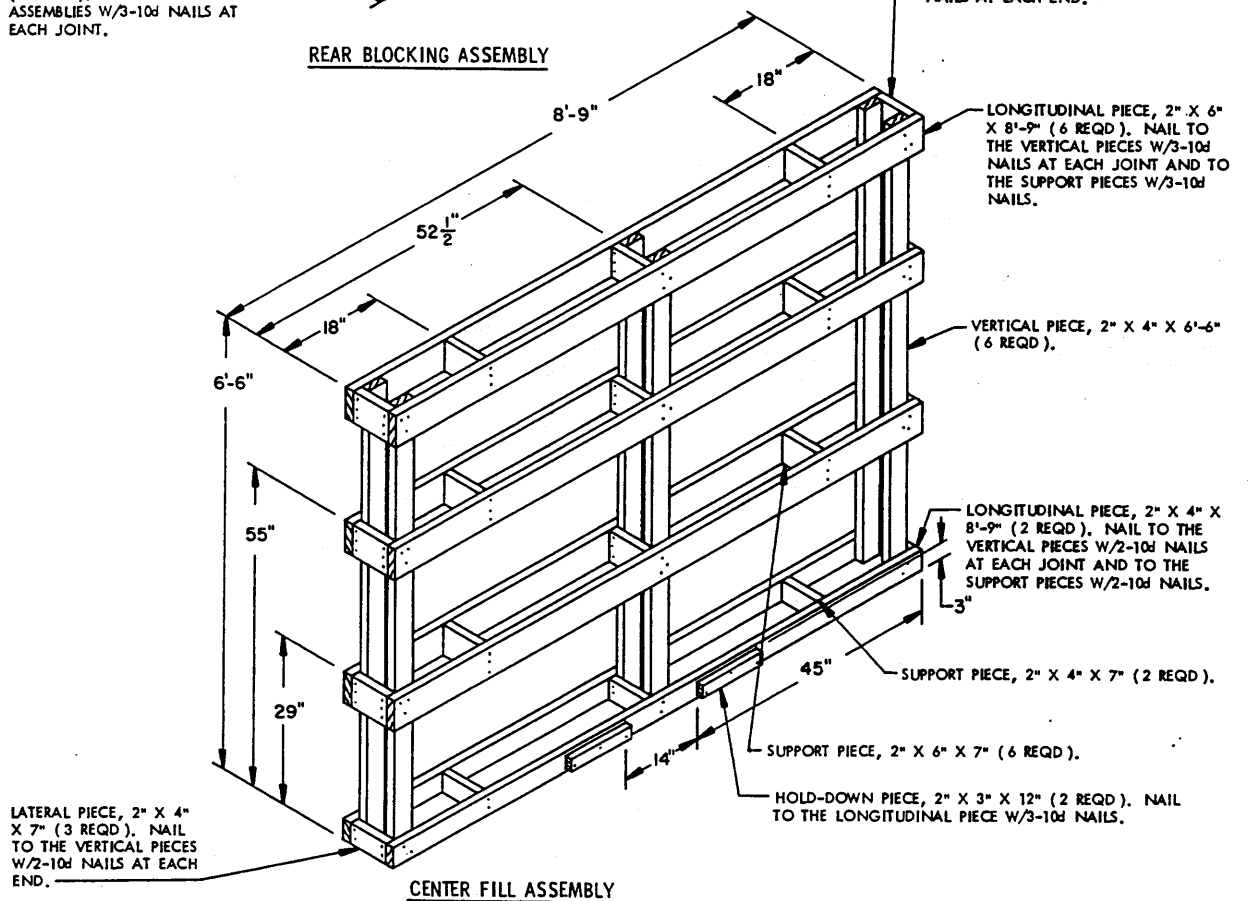
**FORWARD BLOCKING ASSEMBLY**



**SIDE FILL ASSEMBLY**



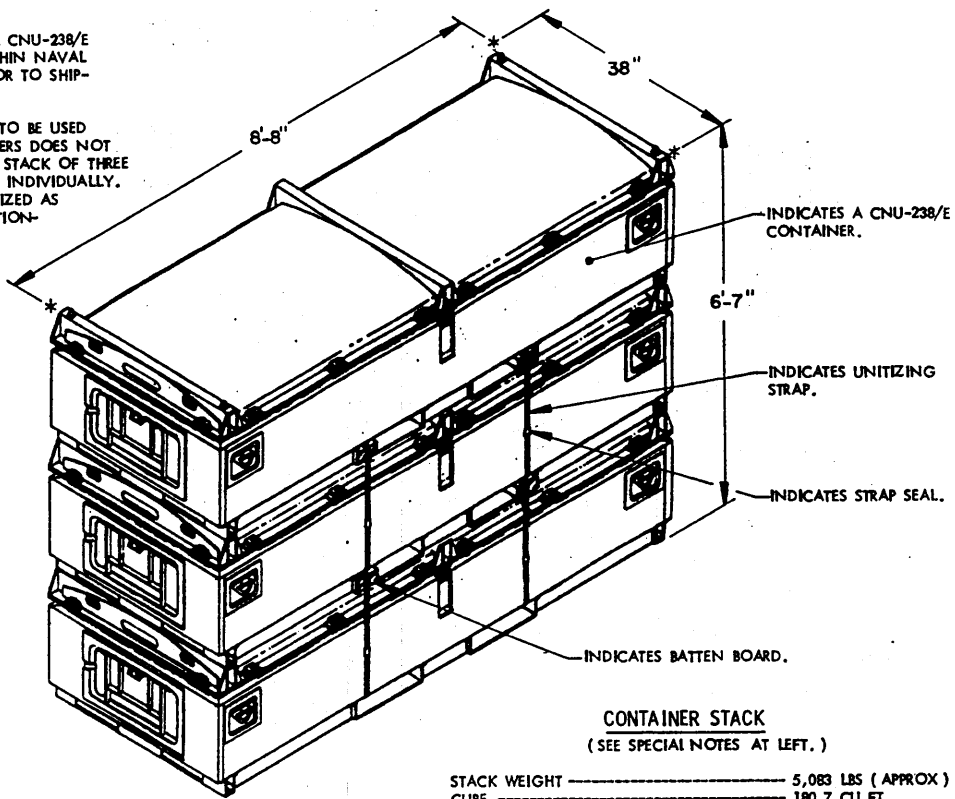
**REAR BLOCKING ASSEMBLY**



**CENTER FILL ASSEMBLY**

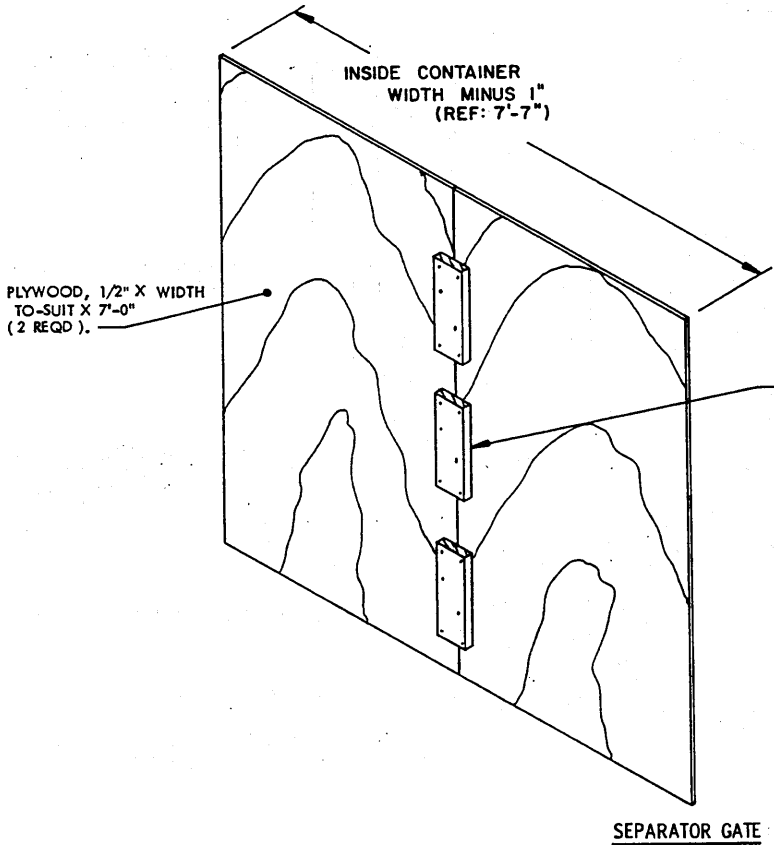
**SPECIAL NOTES:**

1. A STACK OF CONTAINERS, CONSISTING OF THREE CNU-238/E CONTAINERS, WILL BE UNITIZED AS SPECIFIED WITHIN NAVAL SEA SYSTEMS COMMAND DRAWING WR 54/268 PRIOR TO SHIPMENT WITHIN A COMMERCIAL CONTAINER.
2. IF THE MATERIALS HANDLING EQUIPMENT (MHE) TO BE USED FOR THE HANDLING OF THE CNU-238/E CONTAINERS DOES NOT HAVE A CAPACITY GREAT ENOUGH TO HANDLE A STACK OF THREE CONTAINERS, THE CONTAINERS MAY BE HANDLED INDIVIDUALLY. THE CONTAINER STACK, HOWEVER, MUST BE UNITIZED AS SPECIFIED IN WR 54/268 PRIOR TO ITS FINAL POSITIONING WITHIN THE COMMERCIAL CONTAINER.

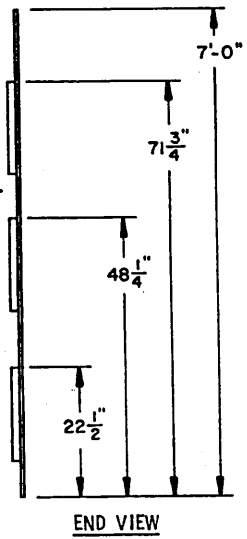


**CONTAINER STACK**  
(SEE SPECIAL NOTES AT LEFT.)

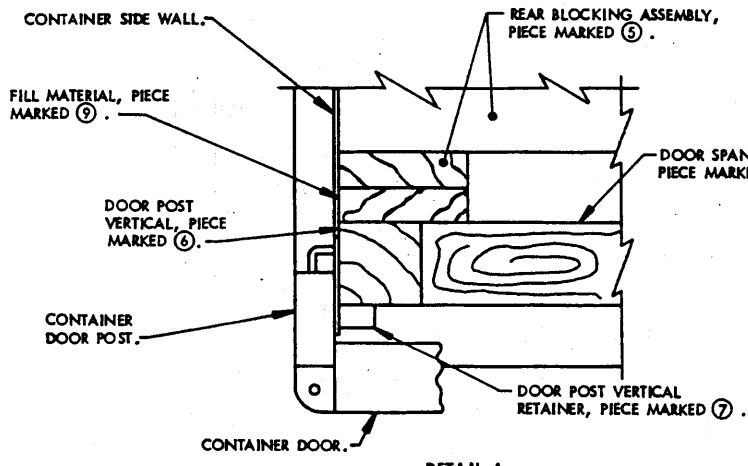
STACK WEIGHT ----- 5,083 LBS (APPROX)  
CUBE ----- 180.7 CU FT



**SEPARATOR GATE**

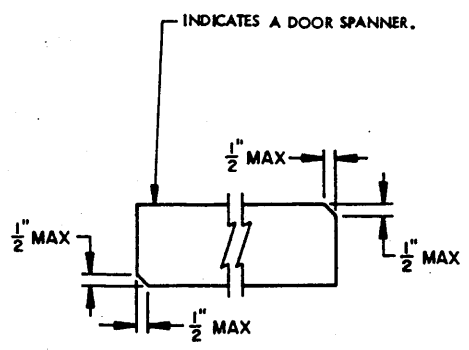


**END VIEW**



**DETAIL A**

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.

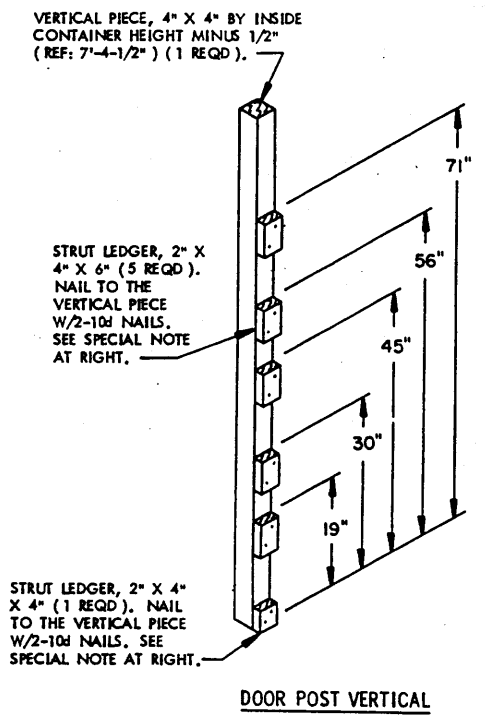


**BEVEL-CUT**

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

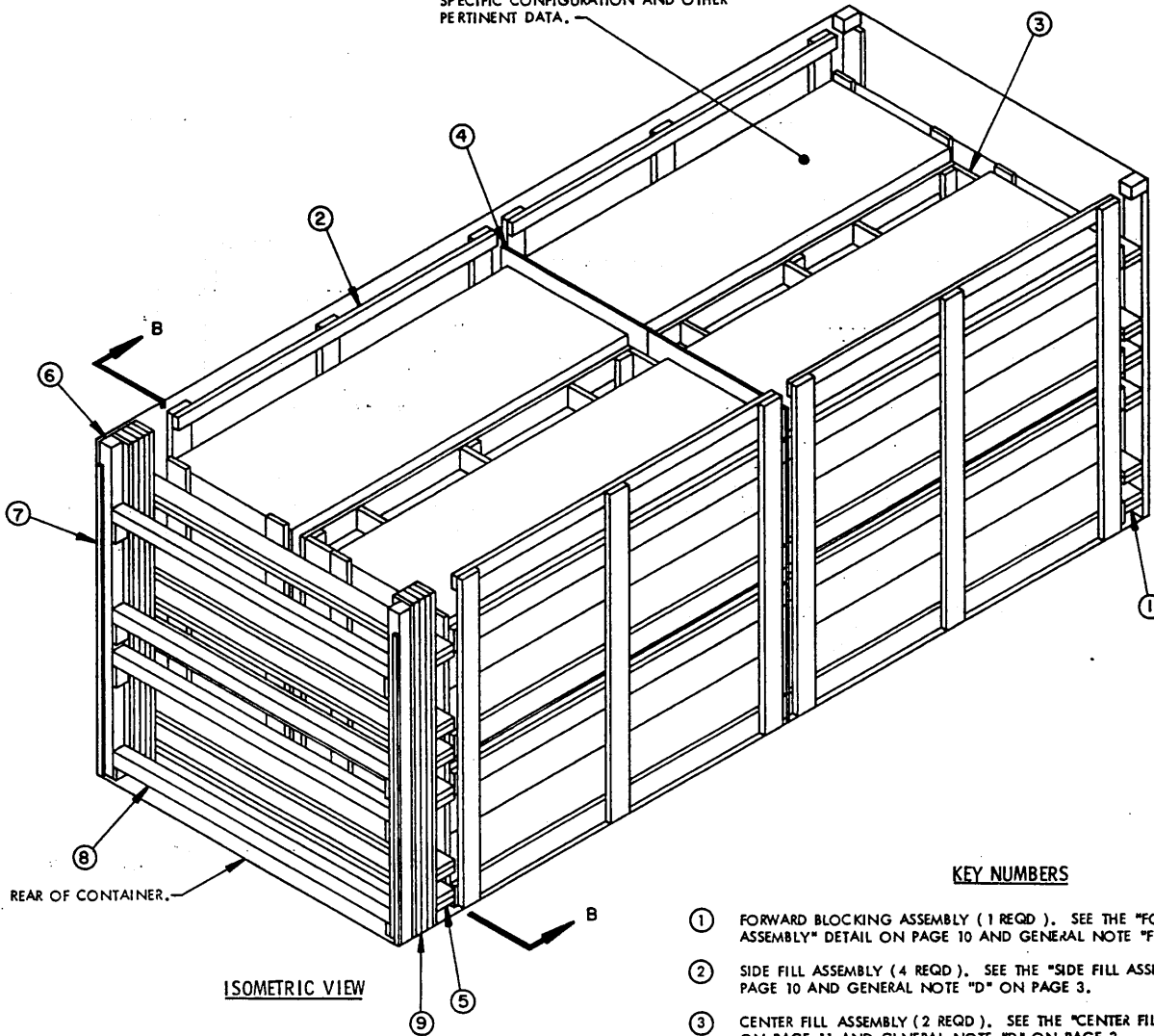
**SPECIAL NOTE:**

THE STRUT LEDGERS CAN ONLY BE PRE-NAILED TO THE DOOR POST VERTICAL ON ONE SIDE OF THE CONTAINER FOR THE DOOR SPANNER PIECES.



**DOOR POST VERTICAL**

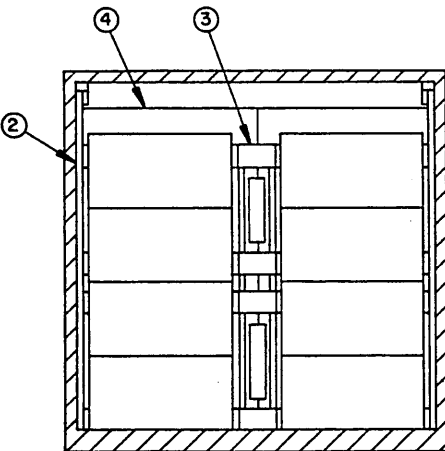
INDICATES A CNU-319/E CONTAINER,  
SEE THE DETAIL ON PAGE 12 FOR THE  
SPECIFIC CONFIGURATION AND OTHER  
PERTINENT DATA.



ISOMETRIC VIEW

**KEY NUMBERS**

- ① FORWARD BLOCKING ASSEMBLY ( 1 REQD ). SEE THE "FORWARD BLOCKING ASSEMBLY" DETAIL ON PAGE 10 AND GENERAL NOTE "F" ON PAGE 3.
- ② SIDE FILL ASSEMBLY ( 4 REQD ). SEE THE "SIDE FILL ASSEMBLY" DETAIL ON PAGE 10 AND GENERAL NOTE "D" ON PAGE 3.
- ③ CENTER FILL ASSEMBLY ( 2 REQD ). SEE THE "CENTER FILL ASSEMBLY" DETAIL ON PAGE 11 AND GENERAL NOTE "D" ON PAGE 3.
- ④ SEPARATOR GATE ( 1 REQD ). SEE THE "SEPARATOR GATE" DETAIL ON PAGE 12.
- ⑤ REAR BLOCKING ASSEMBLY ( 1 REQD ). SEE THE "REAR BLOCKING ASSEMBLY" DETAIL ON PAGE 11 AND GENERAL NOTE "F" ON PAGE 3.
- ⑥ DOOR POST VERTICAL ( 2 REQD ). SEE THE "DOOR POST VERTICAL" DETAIL AND "DETAIL B" ON PAGE 13.
- ⑦ DOOR POST VERTICAL RETAINER ( 2 REQD ). SEE THE "DOOR POST VERTICAL RETAINER" DETAIL ON PAGE 14 AND "DETAIL B" ON PAGE 13. NAIL THROUGH THE HOLES INTO THE DOOR POST VERTICAL W/4-10d NAILS.
- ⑧ DOOR SPANNER, 4" X 4" MATERIAL, CUT TO A LENGTH THAT WILL PROVIDE A DRIVE FIT ( REF: 7"-1-3/8" ) ( 4 REQD ). TOENAIL TO THE DOOR POST VERTICALS W/2-12d NAILS AT EACH END. SEE THE "BEVEL-CUT" DETAIL ON PAGE 7.
- ⑨ FILL MATERIAL, 6" WIDE BY 6'-6" LONG MATERIAL ( AS REQD ). NAIL EACH PIECE TO THE REAR BLOCKING ASSEMBLY AND/OR LAMINATE TOGETHER W/6 NAILS OF A SUITABLE SIZE ( 10d FOR 2" MATERIAL ). **CAUTION:** DO NOT NAIL TO THE DOOR POST VERTICAL, PIECE MARKED ⑥ .



SECTION B-B



**RECOMMENDED SEQUENTIAL LOADING PROCEDURES:**

1. PREFABRICATE ONE FORWARD BLOCKING ASSEMBLY, FOUR SIDE FILL ASSEMBLIES, TWO CENTER FILL ASSEMBLIES, ONE SEPARATOR GATE, ONE REAR BLOCKING ASSEMBLY, AND NAIL A DOOR POST VERTICAL RETAINER TO EACH DOOR POST VERTICAL, ONE RIGHT HAND AND ONE LEFT HAND.
2. INSTALL FORWARD BLOCKING ASSEMBLY.
3. INSTALL ONE SIDE FILL ASSEMBLY, LOAD ONE STACK OF FOUR CONTAINERS, AND INSTALL ONE CENTER FILL ASSEMBLY.
4. INSTALL SIDE FILL ASSEMBLY AND LOAD ONE STACK OF FOUR CONTAINERS.
5. INSTALL ONE SEPARATOR GATE.
6. REPEAT STEP 3.
7. REPEAT STEP 4.
8. INSTALL REAR BLOCKING ASSEMBLY.
9. INSTALL THE TWO DOOR POST VERTICAL ASSEMBLIES ( ONE RIGHT HAND AND ONE LEFT HAND ).
10. INSTALL TWO DOOR SPANNER PIECES ( ONE AT THE LOWEST POSITION AND ONE AT THE UPPERMOST POSITION ).
11. INSTALL FILL MATERIAL.
12. INSTALL THE REMAINING TWO DOOR SPANNER PIECES.

**SPECIAL NOTES:**

1. THE SPECIFIED OUTLOADING PROCEDURE ON PAGE 8 IS APPLICABLE TO A LOAD OF DISPENSERS AND BOMBS, CBU-MK20 PACKED IN CNU-319/E CONTAINERS. SEE PAGE 12 FOR THE DETAIL OF THE CONTAINERS AND OTHER PERTINENT DATA.
2. EACH OF THE FOUR CONTAINER STACKS DEPICTED IN THE LOAD VIEWS ON PAGE 8 CONSISTS OF TWO STACKS OF TWO CONTAINERS EACH. UNITIZATION OF EACH OF THE STACKS OF TWO CONTAINERS WILL BE ACCOMPLISHED AS SPECIFIED WITHIN MIL-STD-1323-97 ( NAVY ).

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	13	7
2" X 3"	7	4
2" X 4"	112	75
2" X 6"	704	704
4" X 4"	43	58
NAILS	NO. REQD	POUNDS
6d (2")	12	NIL
10d (3")	996	15-1/2
12d (3-1/4")	16	1/2
PLYWOOD, 1/2" ----- 54 SQ FT REQD ----- 73 LBS		
DOOR POST VERTICAL RETAINER ----- 2 REQD ----- 64 LBS		

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT ( APPROX )
CNU-319/E CONTAINER	16	24,232 LBS
DUNNAGE		1,849 LBS
CONTAINER		4,700 LBS
TOTAL WEIGHT		30,781 LBS

SEE GENERAL NOTE "G"  
ON PAGE 3.

BUFFER PIECE, 2" X 6" X INSIDE CONTAINER  
HEIGHT MINUS 1/2" (REF: 7'-1-1/2") (2 REQD).  
NAIL TO THE BEAM ASSEMBLIES W/3-10d NAILS  
AT EACH JOINT.

INSIDE CONTAINER WIDTH MINUS 1"  
(REF: 7'-7")

BEAM ASSEMBLY, 2" X 6" BY INSIDE CONTAINER  
WIDTH MINUS 1" (REF: 7'-7") (DOUBLED) (6 REQD).  
LAMINATE THE SECOND PIECE TO THE FIRST PIECE  
W/11-10d NAILS.

BEARING PIECE, 2" X 6"  
X 6'-6" (4 REQD). NAIL  
TO THE BEAM ASSEMBLIES  
W/3-10d NAILS AT EACH  
JOINT.

TIE PIECE, 2" X 4" X 8'-5" (1 REQD).  
NAIL TO THE VERTICAL PIECES W/2-10d  
NAILS AT EACH JOINT.

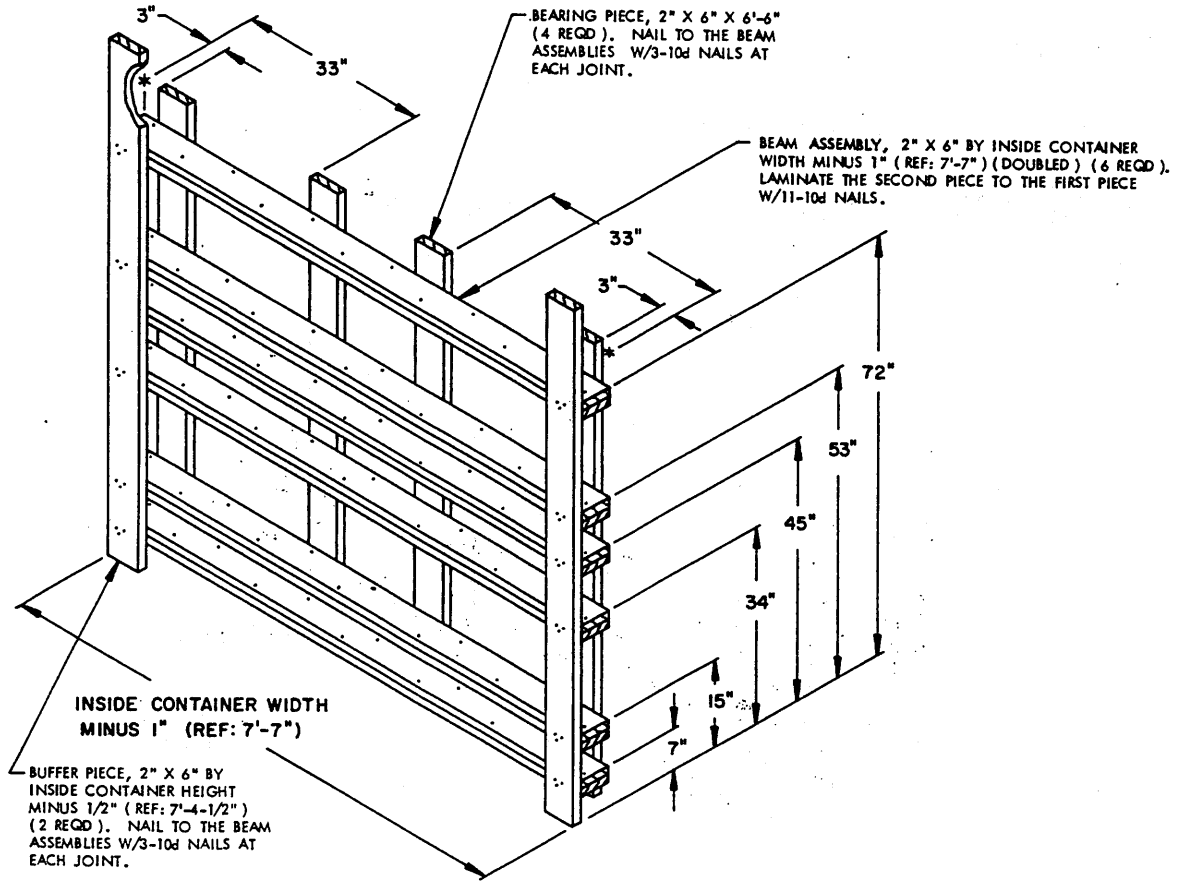
FORWARD BLOCKING ASSEMBLY

INSIDE CONTAINER  
HEIGHT MINUS 1"  
(REF: 7'-4")

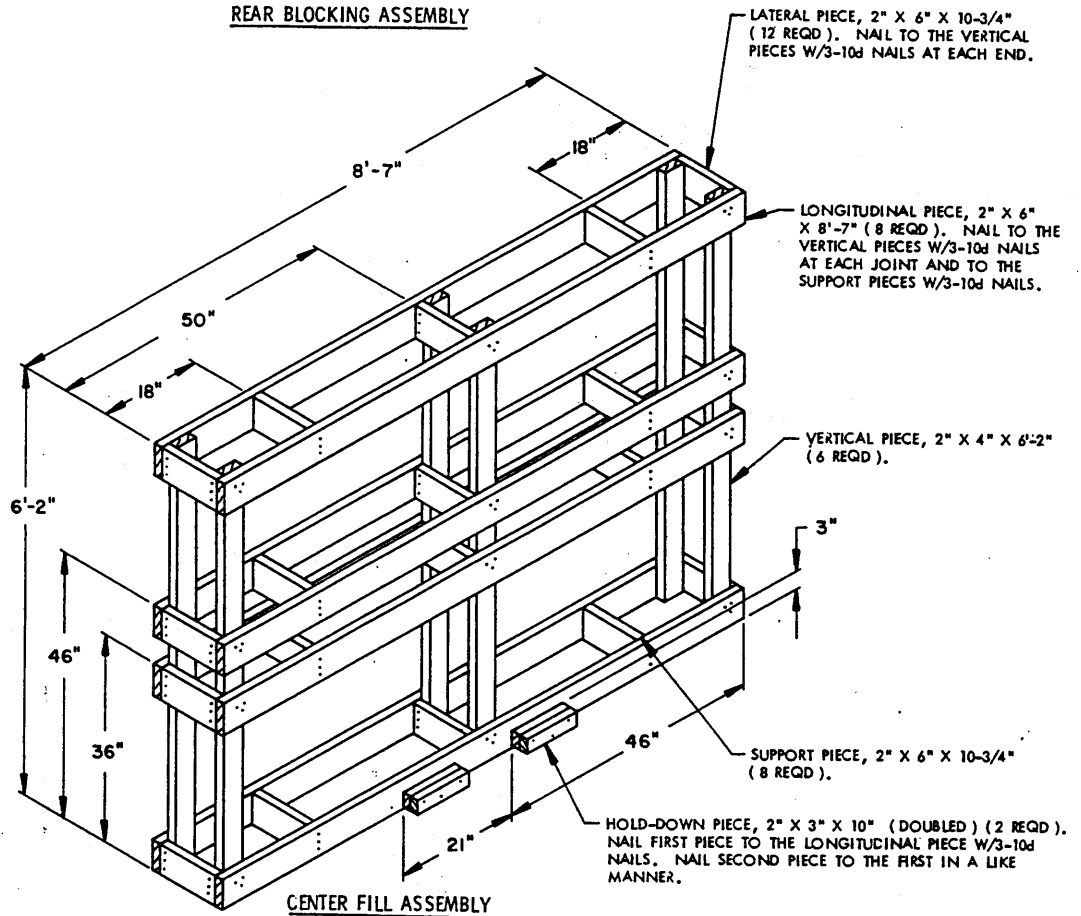
VERTICAL PIECE, 2" X 6" BY INSIDE  
CONTAINER HEIGHT MINUS 1" (REF:  
7'-4") (3 REQD).

BEARING PIECE, 2" X 6" X 8'-7"  
(4 REQD). NAIL TO THE VERTICAL  
PIECES W/3-10d NAILS AT EACH  
JOINT.

SIDE FILL ASSEMBLY



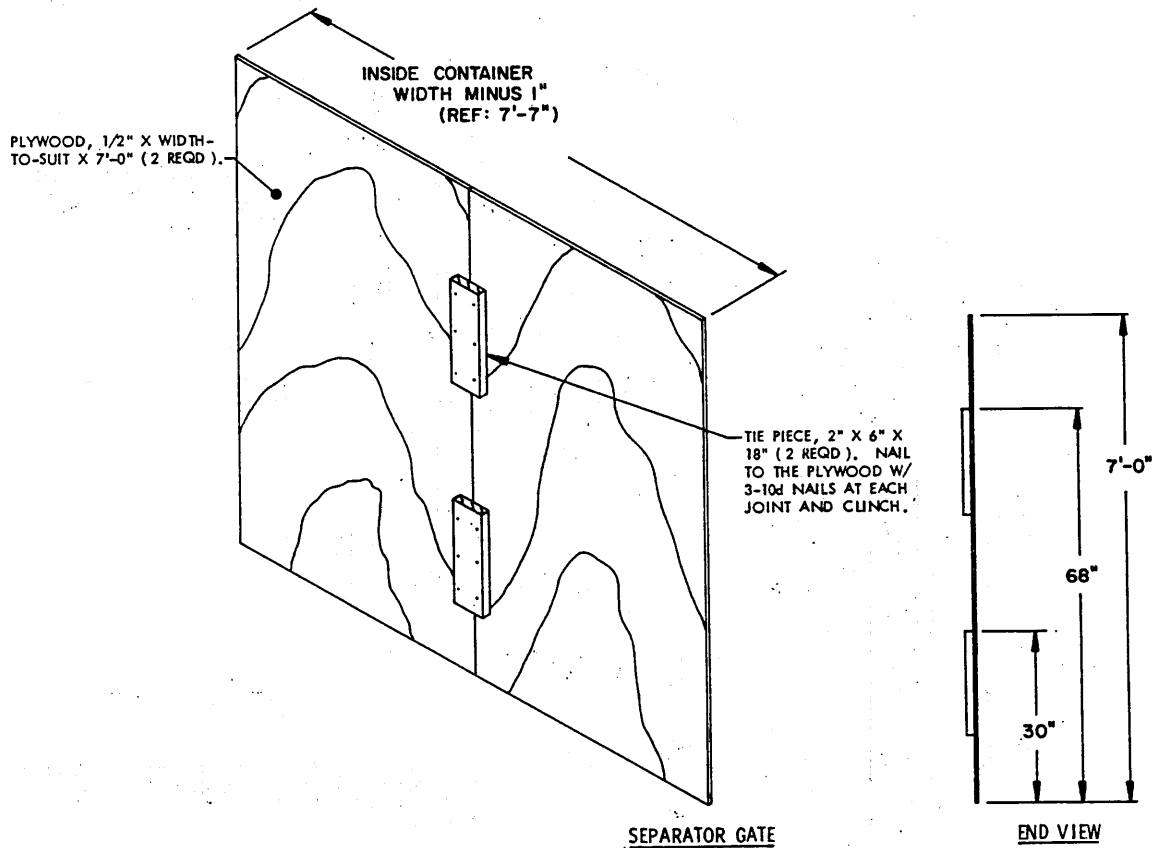
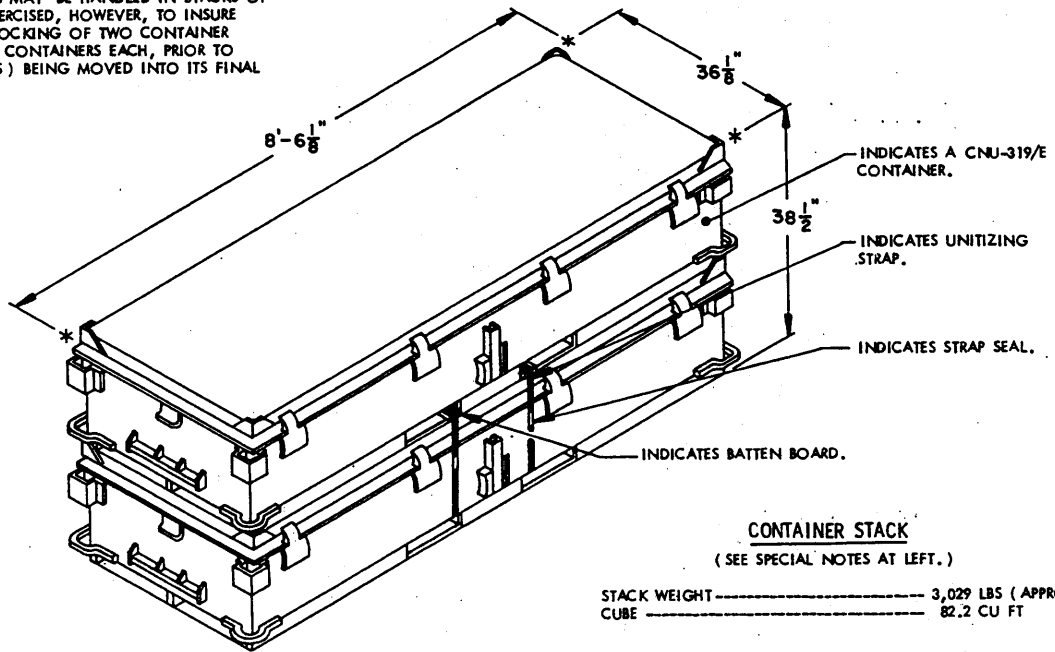
**REAR BLOCKING ASSEMBLY**

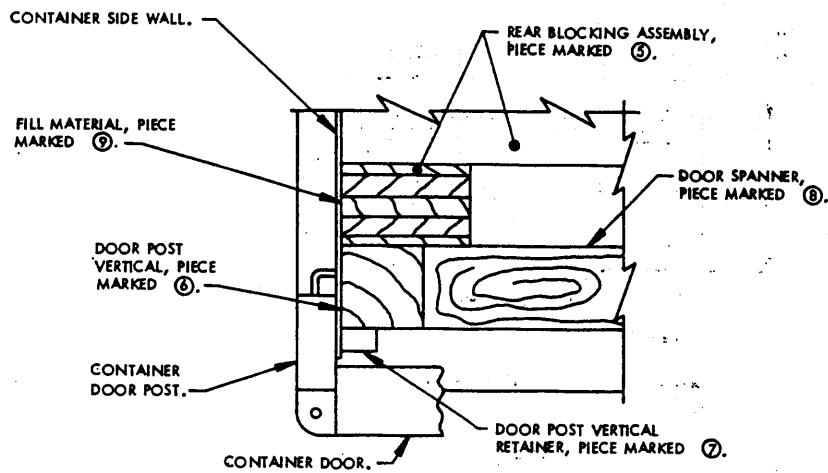


**CENTER FILL ASSEMBLY**

**SPECIAL NOTES:**

1. A STACK OF CONTAINERS, CONSISTING OF TWO CNU-319/E CONTAINERS, WILL BE UNITIZED AS SPECIFIED WITHIN MIL-STD-1323-97 (NAVY) PRIOR TO SHIPMENT WITHIN A COMMERCIAL CONTAINER.
2. IF THE MATERIALS HANDLING EQUIPMENT (MHE) TO BE USED FOR THE HANDLING OF THE CNU-319/E CONTAINERS DOES NOT HAVE A CAPACITY GREAT ENOUGH TO HANDLE A STACK OF FOUR CONTAINERS, THE CONTAINERS MAY BE HANDLED IN STACKS OF TWO EACH. CARE MUST BE EXERCISED, HOWEVER, TO INSURE PROPER STACKING AND INTERLOCKING OF TWO CONTAINER STACKS, CONSISTING OF TWO CONTAINERS EACH, PRIOR TO THE STACK (FOUR CONTAINERS) BEING MOVED INTO ITS FINAL SHIPPING POSITION.





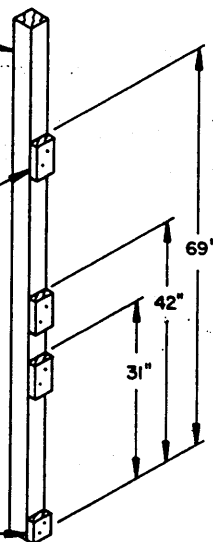
**DETAIL B**

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.

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

STRUT LEDGER, 2" X 4" X 6" (3 REQD). NAIL TO THE VERTICAL PIECE W/2-10d NAILS. SEE SPECIAL NOTE AT RIGHT.

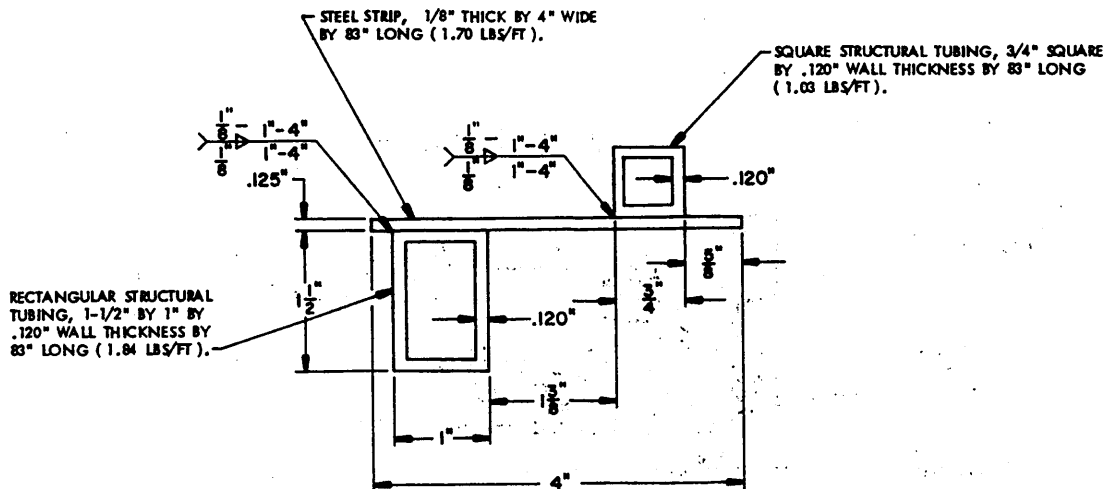
STRUT LEDGER, 2" X 4" X 4" (1 REQD). NAIL TO THE VERTICAL PIECE W/2-10d NAILS. SEE SPECIAL NOTE AT RIGHT.



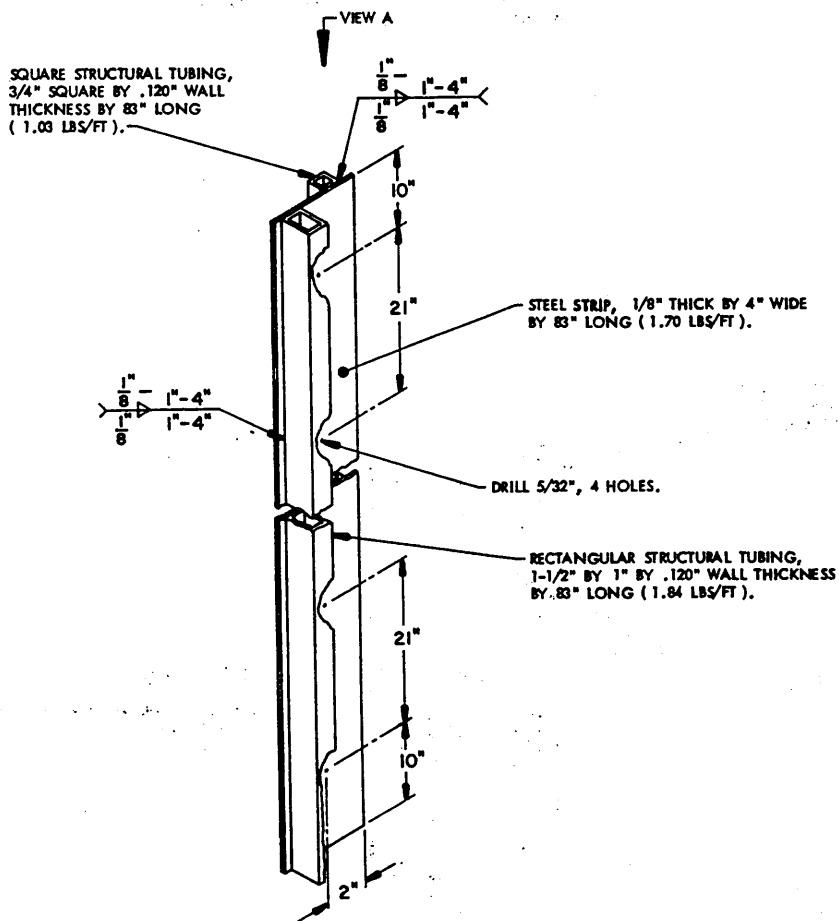
**DOOR POST VERTICAL**

**SPECIAL NOTE:**

THE STRUT LEDGERS CAN ONLY BE PRE-NAILED TO THE DOOR POST VERTICAL ON ONE SIDE OF THE CONTAINER FOR THE DOOR SPANNER PIECES.



VIEW A



DOOR POST VERTICAL RETAINER