



## GENERAL NOTES

- 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 HEREIN ARE APPLICABLE TO SKIDDED BOX UNITS AND PALLETIZED UNITS OF 2.75" ROCKETS, ROCKET MOTORS, AND ROCKET WARHEADS. SUBSEQUENT REFERENCE TO SKIDDED BOX UNIT AND PALLET UNIT MEANS THE UNIT WITH AMMUNITION ITEMS. SEE PAGES 3, 4, AND 5 FOR THE UNIT DETAILS. **CAUTION:** REGARDLESS OF THE QUANTITY OF UNITS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- C. THE LOADS AS SHOWN ARE BASED ON A 20' LONG BY 8' WIDE BY 8' HIGH MILVAN CONTAINER WITH INSIDE DIMENSIONS OF 19'-4" LONG BY 92" WIDE BY 87" HIGH. THE LOADS ARE DESIGNED FOR TRAILER/CONTAINER-ON-FLAT CAR (T/COFC) SHIPMENT.
- D. THE SPECIFIED OUTLOADING PROCEDURES ARE FOR CONTAINERS EQUIPPED WITH SELF-CONTAINED MECHANICAL BRACING DEVICES AS DESCRIBED WITHIN BUREAU OF EXPLOSIVES PAMPHLET 6C. CROSS MEMBER ATTACHMENT FACILITIES WITHIN THESE CONTAINERS MUST PROVIDE FOR THE INSTALLATION OF LOAD BLOCKING CROSS MEMBERS AT THE HEIGHTS SPECIFIED. THE HEIGHT DIMENSIONS SPECIFIED WITHIN THIS DRAWING FOR THE INSTALLATION OF CROSS MEMBERS CONFORM WITH BUREAU OF EXPLOSIVES PAMPHLET 6C, WITH THE EXCEPTION THAT TWO (2) ADDITIONAL BELT RAILS HAVE BEEN SHOWN; ONE AT 72" AND ONE AT 83" HEIGHT FROM THE CONTAINER FLOOR. VOIDS LENGTHWISE WITHIN THE LOAD MUST BE HELD TO A MINIMUM. CROSS MEMBERS MUST BE PLACED AGAINST THE LADING AS TIGHTLY AS THE HOLE SPACING IN THE CROSS MEMBER ATTACHMENT FACILITY PERMITS. EACH CROSS MEMBER WILL BE INSTALLED WITH THE ENDS ATTACHED AS NEARLY AS POSSIBLE IN "MATED" POSITIONS (AT EQUAL HEIGHTS, AND AT EQUAL DISTANCES FROM THE END OF THE CONTAINERS). CROSS MEMBERS IN EMPTY CONTAINERS AND THOSE NOT USED IN LOADED CONTAINERS MUST BE FASTENED INTO BELT RAILS FOR SHIPMENT. COMPONENTS ASSIGNED TO EACH CONTAINER MUST REMAIN THEREIN EVEN THOUGH UNUSED DURING SOME SHIPMENTS. SEE THE "FILL DETAIL" AND "FILL MATERIAL INSTALLATION" DETAIL ON PAGE 22 FOR THE DUNNAGING METHODS REQUIRED TO ELIMINATE AN EXCESSIVE LENGTHWISE VOID WITHIN A LOAD OR VOID BETWEEN DOUBLED CROSS MEMBERS. THE LOAD BLOCKING COMPONENT DESIGNATED AS "CROSS MEMBER" HEREIN, IS IDENTIFIED AS "BEAM ASSEMBLY" WITHIN TM 55-8115-200-24, DATED SEPTEMBER 1972. THE BEAM ASSEMBLY IS FURTHER IDENTIFIED AS NSN-8115-00-165-6623.
- E. DUNNAGE LUMBER SPECIFIED IS OF A NOMINAL SIZE. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY 3/4" THICK BY 3-1/2" WIDE AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE.
- F. **CAUTION:** DO NOT NAIL DUNNAGE MATERIAL TO THE CONTAINER WALLS OR FLOOR. ALL NAILING WILL BE WITHIN THE DUNNAGE.
- G. A STAGGERED NAILING PATTERN WILL BE USED WHEREVER 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.
- H. PORTIONS OF THE CONTAINERS DEPICTED WITHIN THIS DRAWING, SUCH AS ONE OF THE SIDEWALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- J. WHEN INSTALLING SPACER ASSEMBLIES IN THE LOADS, THE ASSEMBLIES MUST BE WIRE TIED IN PLACE. THE TIE WIRE WILL FORM A COMPLETE LOOP AROUND THE STRUT OF THE SPACER ASSEMBLY AND THE ADJACENT CROSS MEMBER. BRING THE ENDS OF THE WIRE TOGETHER AND TWIST TAUT. ALSO, THE TIE WIRE MUST BE SECURED TO THE SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE. THE NAIL MAY BE DRIVEN INTO THE SIDE OR TOP OF A SPACER ASSEMBLY STRUT.

(CONTINUED AT RIGHT)

## MATERIAL SPECIFICATIONS

LUMBER	-----	TM 743-200-1 (DUNNAGE LUMBER) AND FED SPEC MM-1-751.
NAILS	-----	FED SPEC FF-N-105; COMMON.
WIRE	-----	FED SPEC QQ-W-461.
STAPLE, STRAP	-----	COMMERCIAL GRADE.

## (GENERAL NOTES CONTINUED)

- 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 MILVAN, 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 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 MILVAN. THE SLIP-SHEET IS TO BE PLACED AGAINST THE OTHER SIDE OF THE HALF-STACK BEFORE THE LAST 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 REQUIREMENTS.

### L. MAXIMUM LOAD WEIGHT CRITERIA:

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

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

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

**NOTE 2:** ALTHOUGH THE HEAVIEST MAXIMUM LOADS ARE DELINEATED IN THE LOAD VIEWS, PROVISIONS ARE INCLUDED WITHIN THIS DRAWING SO THAT THE BASIC LOAD CAN BE ADJUSTED TO SATISFY A LESSER QUANTITY OF LADING UNITS. ADDITIONAL INSTRUCTIONS ARE UNDER THE "REDUCED-LOAD PROVISIONS" SECTIONS ON PAGES 7, 9, 11, 13, 15, 17, 19 AND 21.

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

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

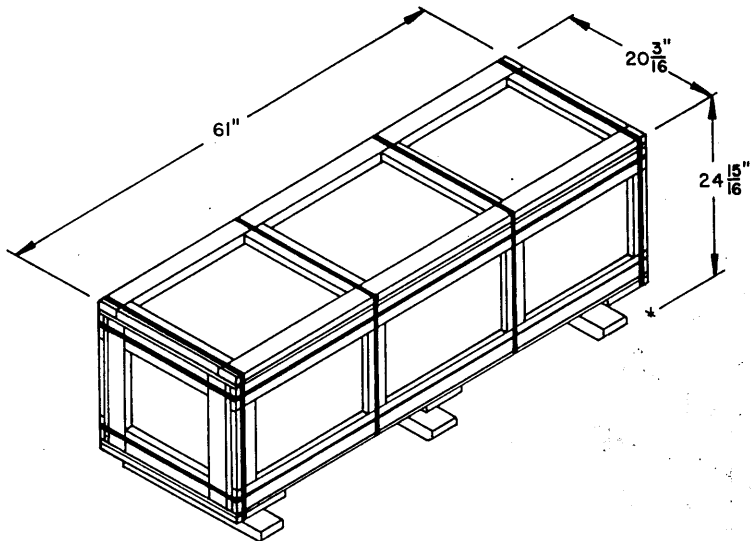
### M. SPECIAL T/COFC NOTES:

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

## REDUCED-LOAD PROVISIONS

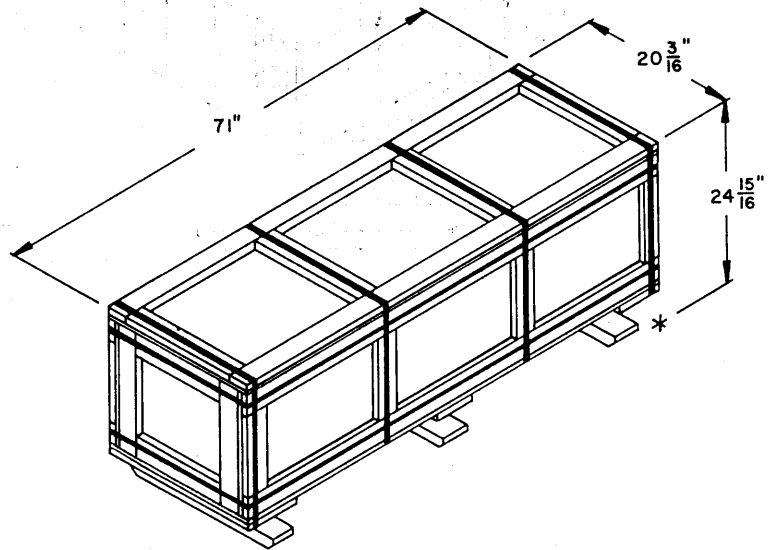
WHEN A CONTAINER IS TO BE LOADED WITH A REDUCED QUANTITY OF LADING UNITS, THE LENGTH-WISE CENTER OF GRAVITY OF A LOAD MUST BE WITHIN 12", IN EITHER DIRECTION, OF THE MID-POINT IN A MILVAN, AND THE FOLLOWING CRITERIA WILL APPLY:

- IF A LOAD IS REDUCED BY ONLY A SMALL AMOUNT, LADING UNITS NORMALLY MAY BE ELIMINATED FROM THE REAR OF THE LOAD. SEE THE "ALTERNATIVE LOADING PATTERN" PROCEDURES FOR EACH SPECIFIC LOAD SHOWN FOR ADDITIONAL GUIDANCE.
- IF A LOAD IS REDUCED BY A LARGE AMOUNT, LADING UNITS SHOULD BE ELIMINATED FROM LOCATIONS WITHIN THE LOAD OR LADING UNITS SHOULD BE ELIMINATED AS REQUIRED AND THE TOTAL LOAD SHIFTED AS NECESSARY FORE OR AFT, 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.
- COMBINATIONS OF THE VARIOUS DEPICTED LOADING PATTERNS MAY BE USED TO SATISFY THE NUMBER OF UNITS TO BE SHIPPED. HOWEVER, EACH LOAD BAY WILL BE INDEPENDENTLY BLOCKED AS A SEPARATE LOAD BAY IN ACCORDANCE WITH THE DEPICTED PROCEDURES FOR THAT SPECIFIC LOADING PATTERN.



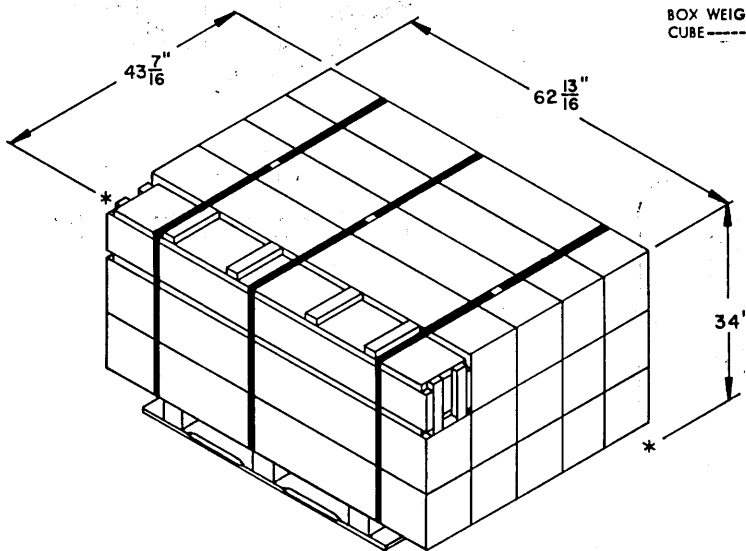
**UNIT NO. 1**

BOX WEIGHT -----760 LBS (APPROX)  
 CUBE -----17.8 CUBIC FEET



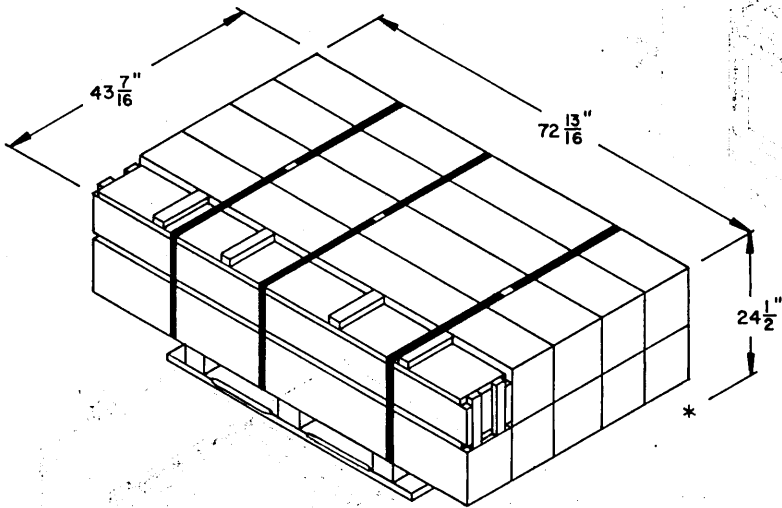
**UNIT NO. 2**

BOX WEIGHT -----978 LBS (APPROX)  
 CUBE -----20.7 CUBIC FEET



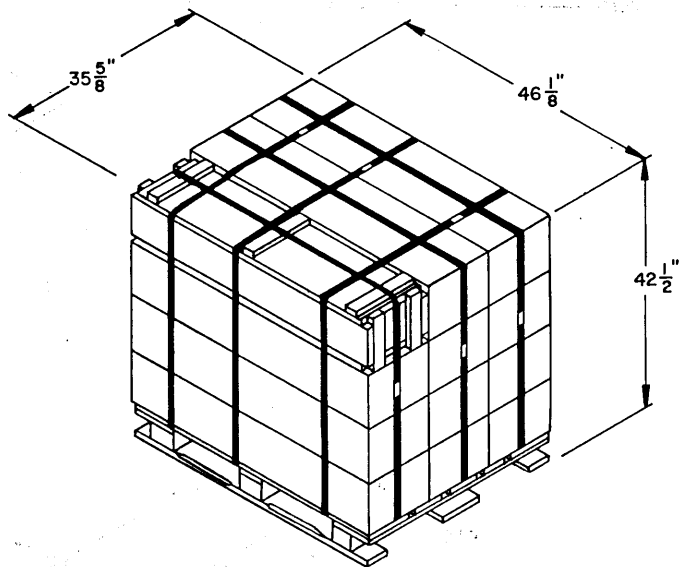
**UNIT NO. 3**

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



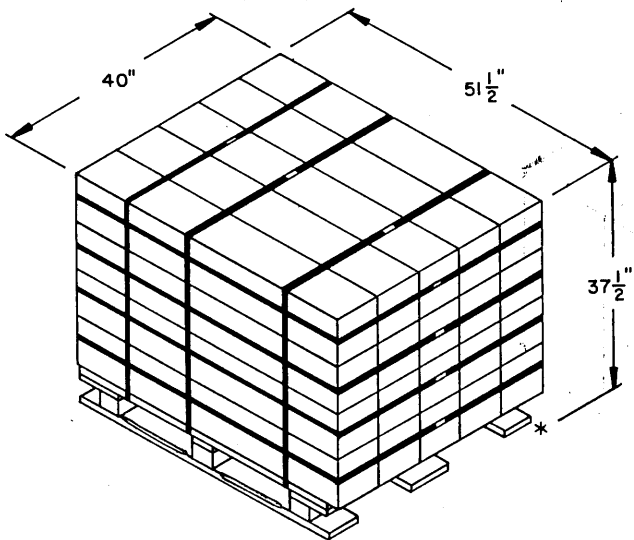
**UNIT NO. 4**

UNIT WEIGHT -----1,703 LBS (APPROX)  
 CUBE -----44.8 CUBIC FEET



**UNIT NO. 5**

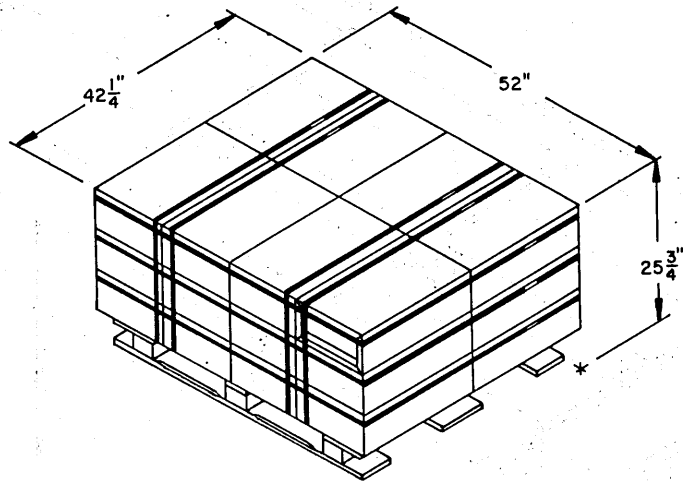
UNIT WEIGHT -----1,764 LBS (APPROX)  
 CUBE -----40.4 CUBIC FEET



**UNIT NO. 6**

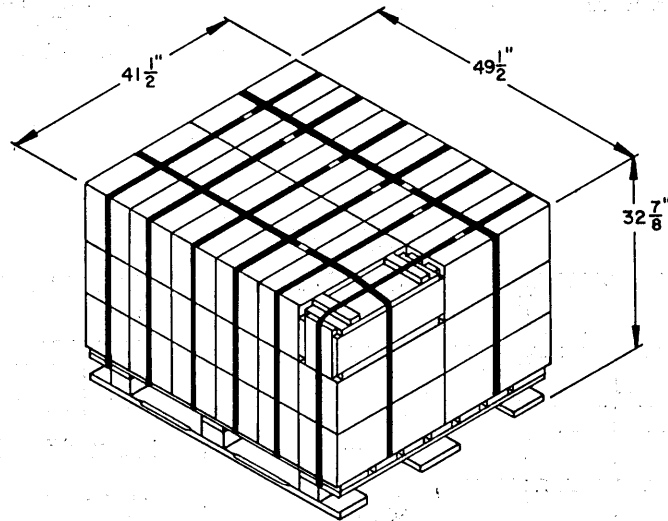
UNIT WEIGHT -----1,580 LBS (APPROX)  
 CUBE -----44.7 CUBIC FEET

**UNIT DETAILS**



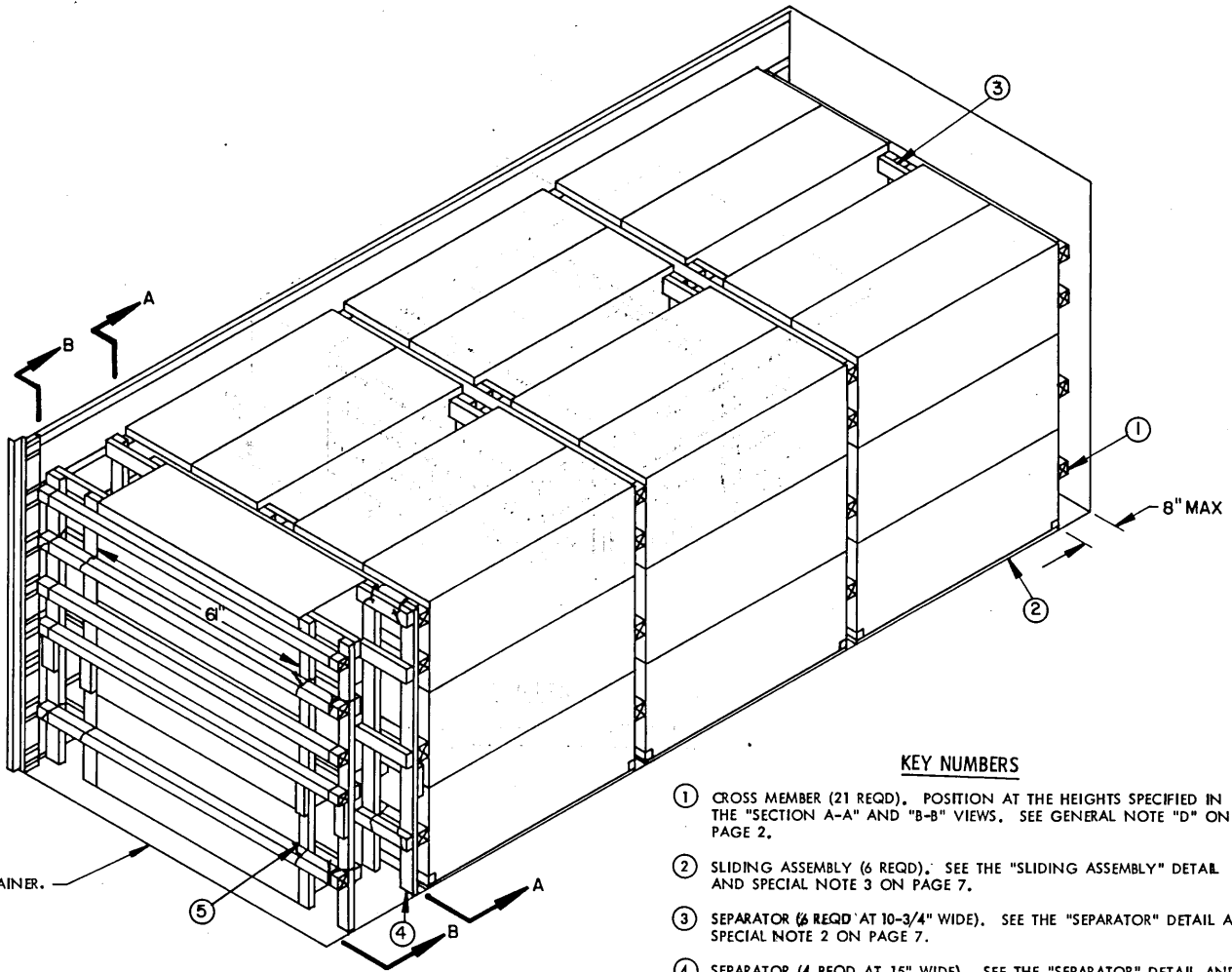
**UNIT NO. 7**

UNIT WEIGHT -----2,127 LBS (APPROX)  
 CUBE -----32.7 CUBIC FEET



**UNIT NO. 8**

UNIT WEIGHT -----2,194 LBS (APPROX)  
 CUBE -----39.1 CUBIC FEET

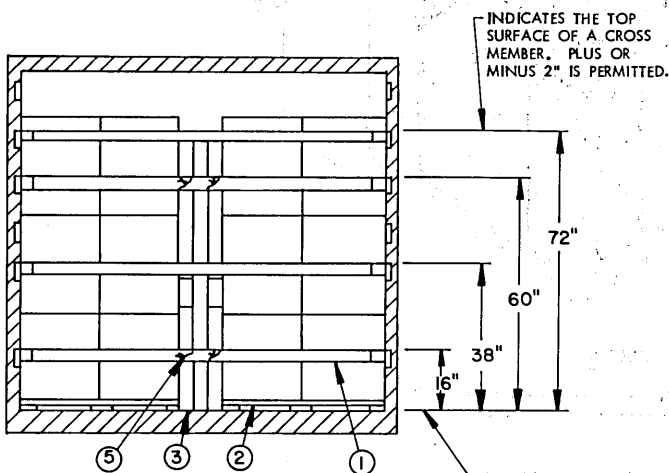


REAR OF CONTAINER.

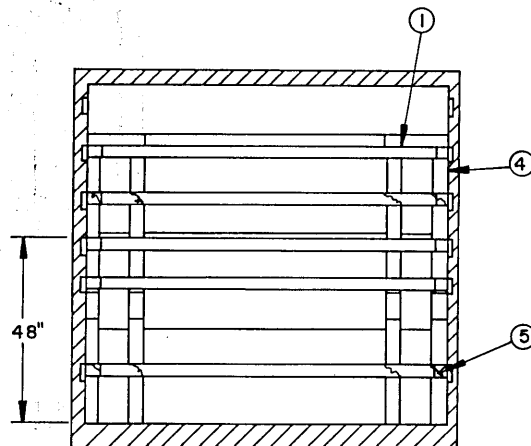
ISOMETRIC VIEW

KEY NUMBERS

- ① CROSS MEMBER (21 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION A-A" AND "B-B" VIEWS. SEE GENERAL NOTE "D" ON PAGE 2.
- ② SLIDING ASSEMBLY (6 REQD). SEE THE "SLIDING ASSEMBLY" DETAIL AND SPECIAL NOTE 3 ON PAGE 7.
- ③ SEPARATOR (6 REQD AT 10-3/4" WIDE). SEE THE "SEPARATOR" DETAIL AND SPECIAL NOTE 2 ON PAGE 7.
- ④ SEPARATOR (4 REQD AT 15" WIDE). SEE THE "SEPARATOR" DETAIL AND SPECIAL NOTE 2 ON PAGE 7.
- ⑤ TIE WIRE, NO. 14 GAGE WIRE 18" LONG (32 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND SEPARATOR AND CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO PIECE MARKED ③ OR ④ WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.



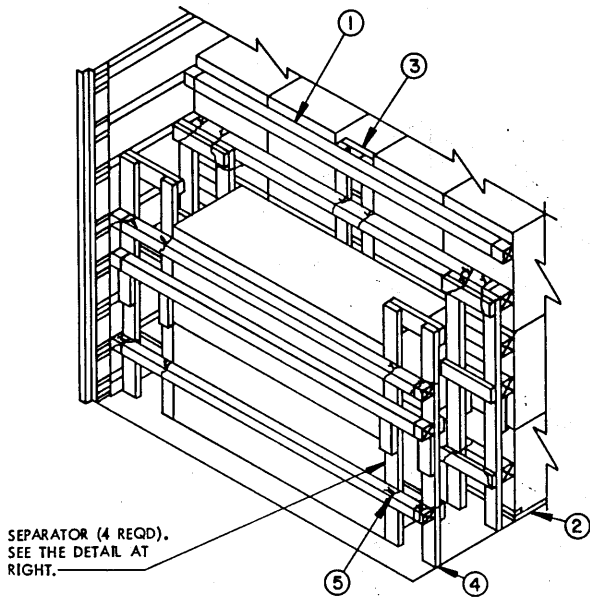
SECTION A-A



SECTION B-B

**SPECIAL NOTES:**

1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 6 AND 7 ARE BASED ON THE 2.75 INCH ROCKETS, PACKED TWENTY-FIVE PER SKIDDED BOX WITH A UNIT WEIGHT OF 760 POUNDS. SEE UNIT NO. 1 ON PAGE 3.
2. THE SEPARATOR AS DETAILED BELOW NEED NOT BE FABRICATED FOR A DRIVE FIT. THE SEPARATOR SHOULD BE FABRICATED SO THAT IT MAY BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. THE SLIDING ASSEMBLY, PIECE MARKED ②, HAS BEEN DEPICTED UNDER EACH OF THE TWO-WIDE THREE-HIGH BOX STACKS TO FACILITATE REMOVAL OF THE BOXES FROM THE CONTAINER.
4. **CAUTION:** EXERCISE CARE WHEN POSITIONING THE SKIDDED BOX UNITS IN THE CONTAINER TO INSURE THAT THE UNITS ARE PLACED AS CLOSE AS POSSIBLE AGAINST THE SIDEWALLS OF THE CONTAINER.



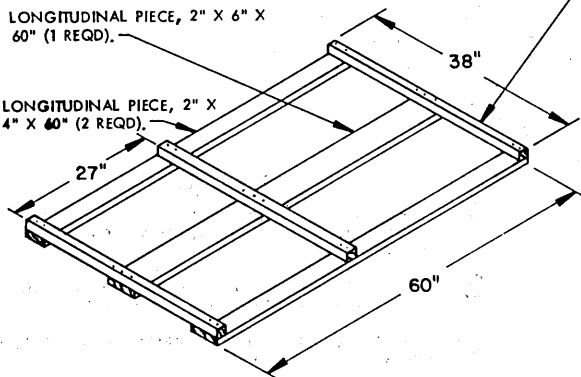
SEPARATOR (4 REQD).  
SEE THE DETAIL AT  
RIGHT.

**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

LONGITUDINAL PIECE, 2" X 6" X 60" (1 REQD).

LONGITUDINAL PIECE, 2" X 4" X 60" (2 REQD).

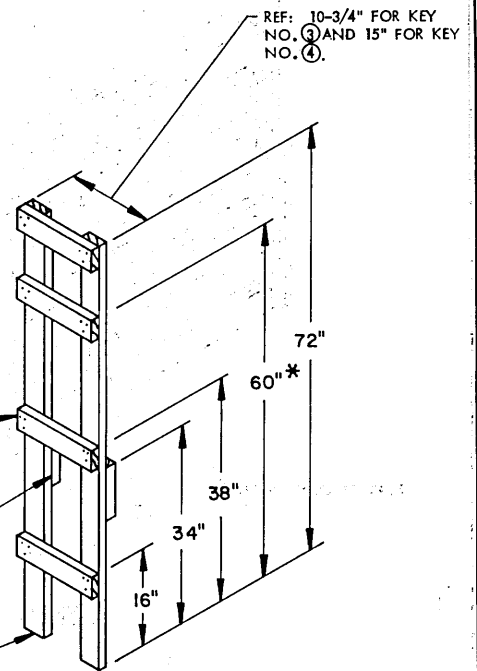


TIE PIECE, 2" X 2" X 38" (3 REQD).  
NAIL TO THE 2" X 4" LONGITUDINAL  
PIECES W/2-10d NAILS AT EACH END  
AND TO THE 2" X 6" LONGITUDINAL  
PIECE W/3-10d NAILS.

TIE PIECE, 2" X 4" BY  
CUT-TO-FIT (4 REQD).  
NAIL TO THE VERTICAL  
PIECES W/3-10d NAILS  
AT EACH END.

HOLD-DOWN PIECE,  
2" X 4" X 9" (2 REQD).  
NAIL TO THE VERTICAL  
PIECE W/3-10d NAILS.

VERTICAL PIECE, 2" X 4" X 72" (2 REQD).



REF: 10-3/4" FOR KEY NO. ③ AND 15" FOR KEY NO. ④.

**SLIDING ASSEMBLY**

SEE SPECIAL NOTE 3 ABOVE.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 2"	57	19
2" X 4"	237	158
2" X 6"	30	30
NAILS	NO. REQD	POUNDS
10d (3")	458	7-1/4
WIRE, NO. 14 GAGE ---48' REQD		1 LB
CROSS MEMBER		21 REQD

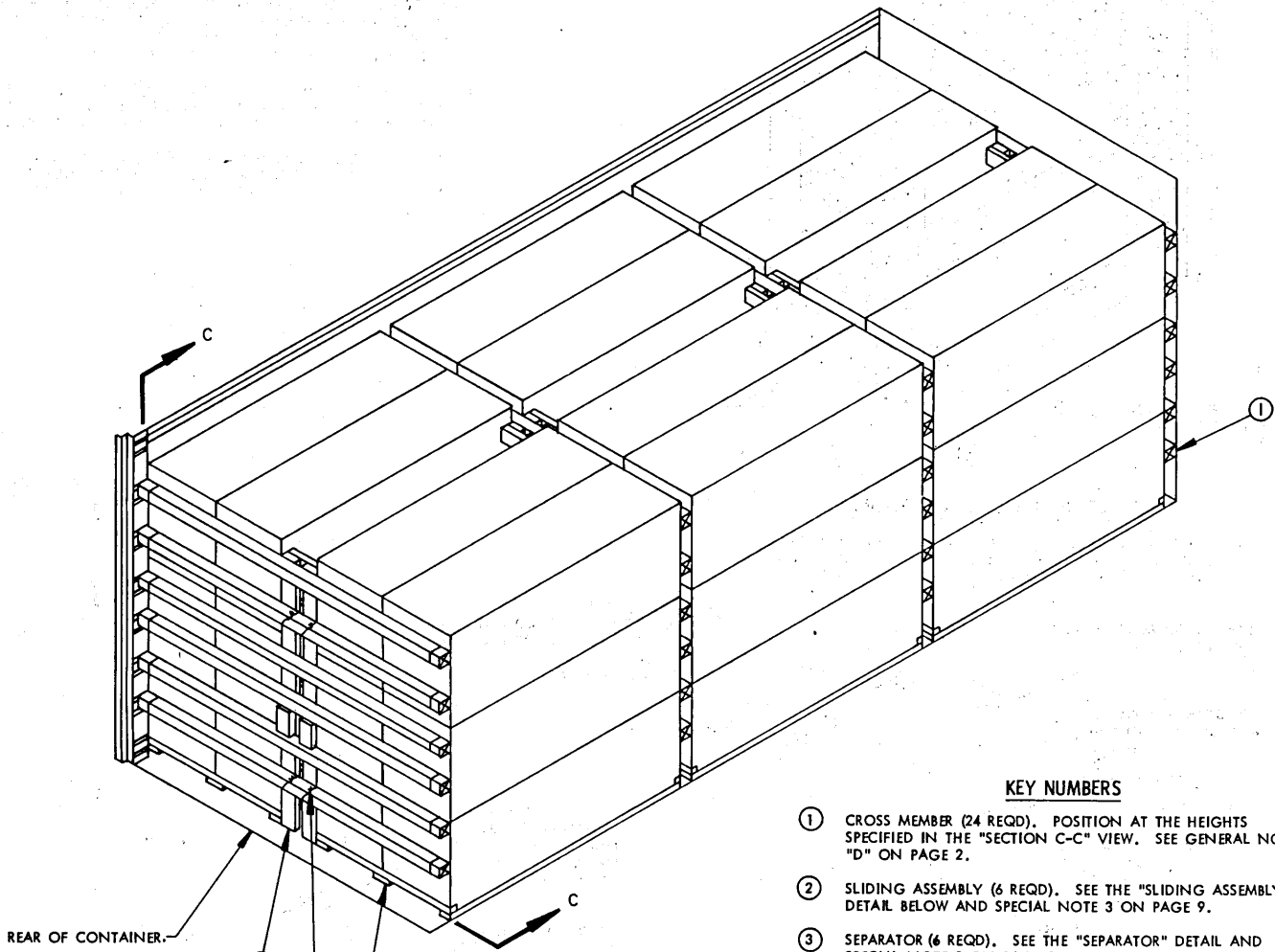
**SEPARATOR**

SEE SPECIAL NOTE 2 ABOVE.

\* WHEN THE "SEPARATOR" IS USED IN A LOAD CONFIGURATION AS SHOWN BY THE "ALTERNATIVE LOADING PATTERN" ABOVE, THE OVERALL HEIGHT OF THE "SEPARATOR" WILL BE 60". THE OTHER DIMENSIONS WILL REMAIN THE SAME.

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
BOX	39	29,640 LBS
DUNNAGE		422 LBS
CONTAINER		5,700 LBS
TOTAL GROSS WEIGHT		35,762 LBS

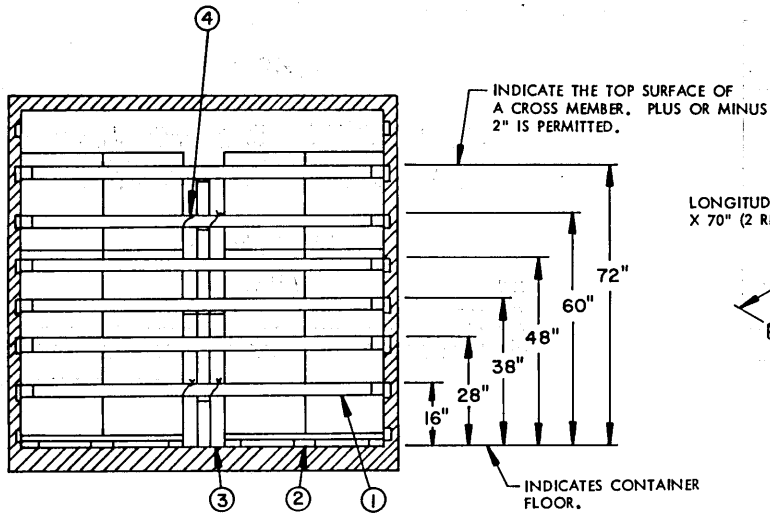


REAR OF CONTAINER.

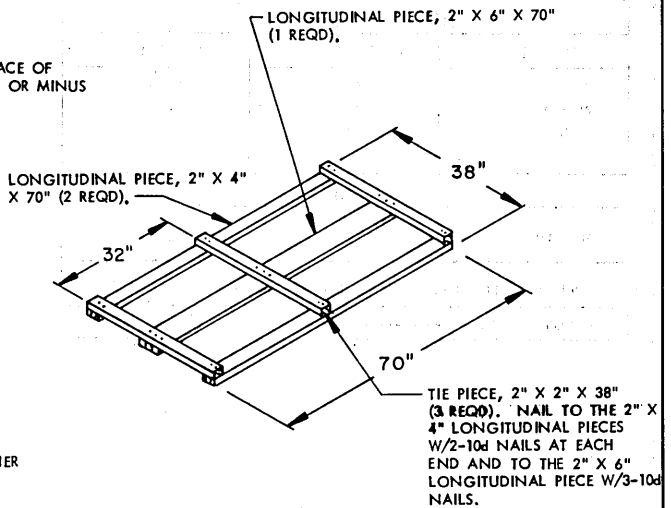
ISOMETRIC VIEW

**KEY NUMBERS**

- ① CROSS MEMBER (24 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION C-C" VIEW. SEE GENERAL NOTE "D" ON PAGE 2.
- ② SLIDING ASSEMBLY (6 REQD). SEE THE "SLIDING ASSEMBLY" DETAIL BELOW AND SPECIAL NOTE 3 ON PAGE 9.
- ③ SEPARATOR (6 REQD). SEE THE "SEPARATOR" DETAIL AND SPECIAL NOTE 2 ON PAGE 9.
- ④ TIE WIRE, NO. 14 GAGE WIRE 18" LONG (16 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND SEPARATOR AND CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO PIECE MARKED ③ WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.



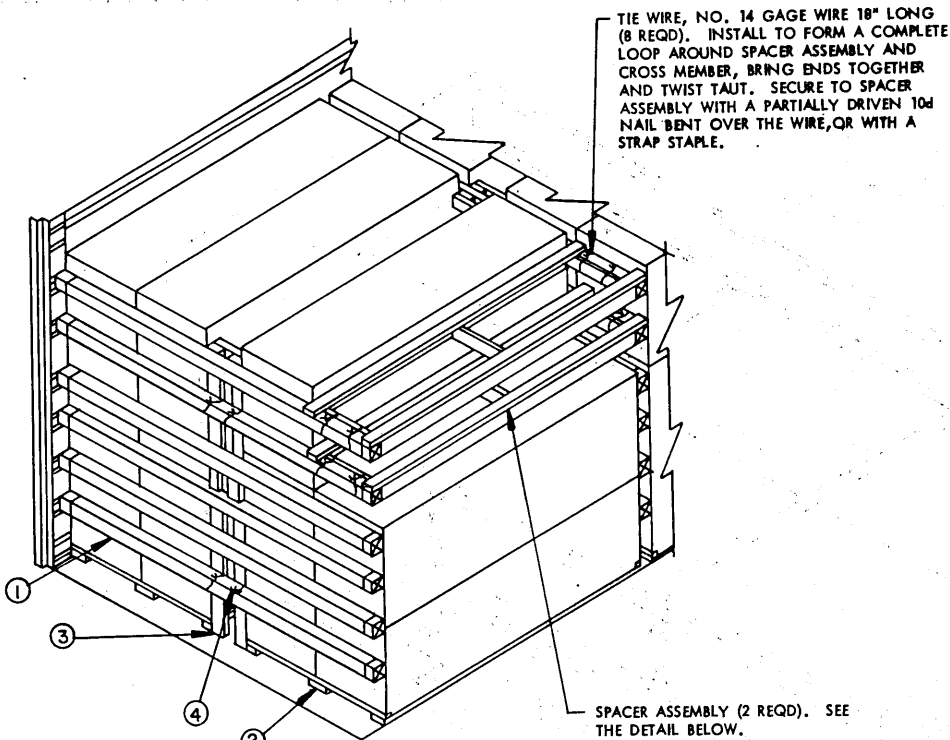
SECTION C-C



SLIDING ASSEMBLY

SEE SPECIAL NOTE 3 ON PAGE 9.



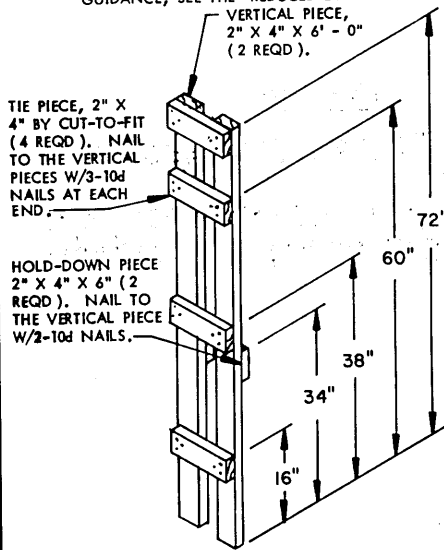


**SPECIAL NOTES:**

1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 8 AND 9 ARE BASED ON THE 2.75 INCH ROCKETS PACKED TWENTY-FIVE PER SKIDDED BOX WITH A UNIT WEIGHT OF 978 POUNDS. SEE UNIT NO. 2 ON PAGE 3.
2. THE SEPARATOR AND SPACER ASSEMBLY AS DETAILED BELOW AND AT THE LEFT NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLIES SHOULD BE FABRICATED SO THAT THEY CAN BE EASILY INSTALLED. HOWEVER, THEY MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. THE SLIDING ASSEMBLY, PIECE MARKED ②, HAS BEEN DEPICTED UNDER THE TWO-WIDE CONTAINER STACKS TO FACILITATE REMOVAL OF THE BOXES FROM THE CONTAINER.
4. CAUTION: EXERCISE CARE WHEN POSITIONING THE SKIDDED BOX UNITS IN THE CONTAINER TO INSURE THAT THE UNITS ARE PLACED AS CLOSE AS POSSIBLE AGAINST THE SIDEWALLS OF THE CONTAINER.

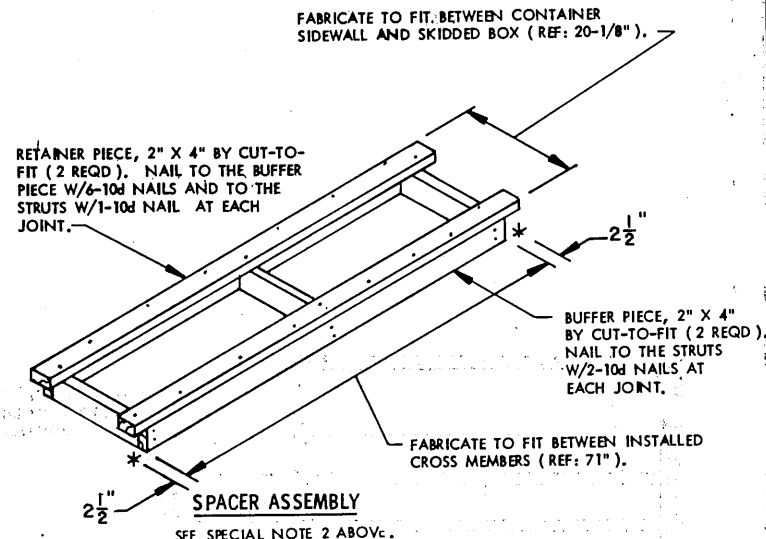
**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.



**SEPARATOR**

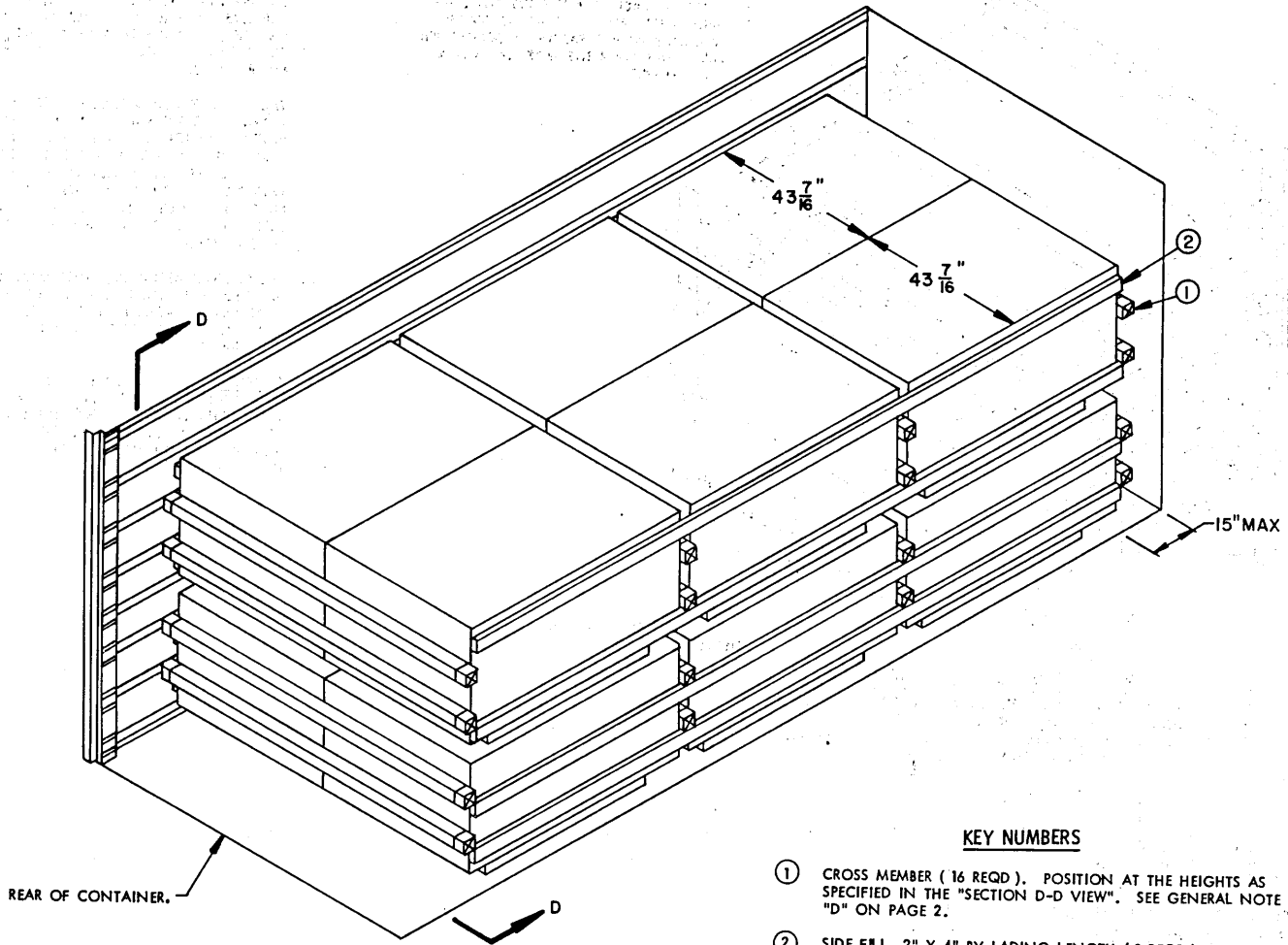
SEE SPECIAL NOTE 2 ABOVE.



BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 2"	57	19
2" X 4"	189	126
2" X 6"	35	35
NAILS	NO. REQD	POUNDS
10d (3")	326	5-1/4
WIRE, NO. 14 GAGE	24' REQD	1/2 LB
CROSS MEMBER	24 REQD	

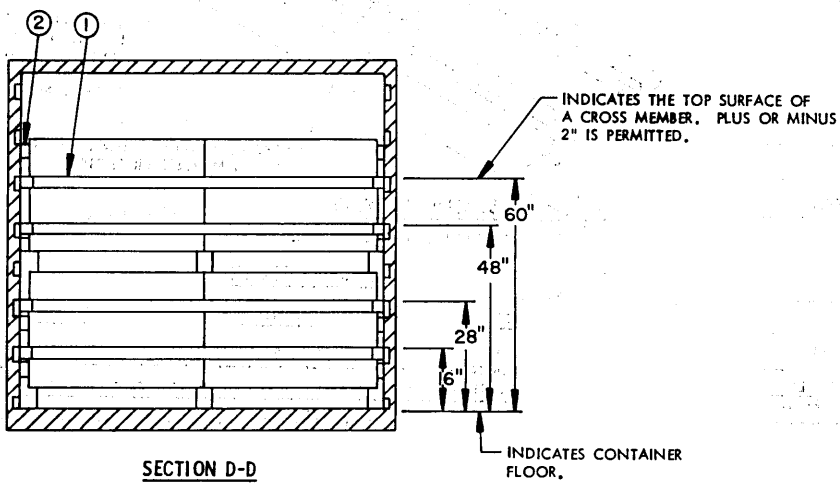
**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
BOX	30	35,208 LBS
DUNNAGE		366 LBS
CONTAINER		5,700 LBS
<b>TOTAL GROSS WEIGHT</b>		<b>41,274 LBS</b>

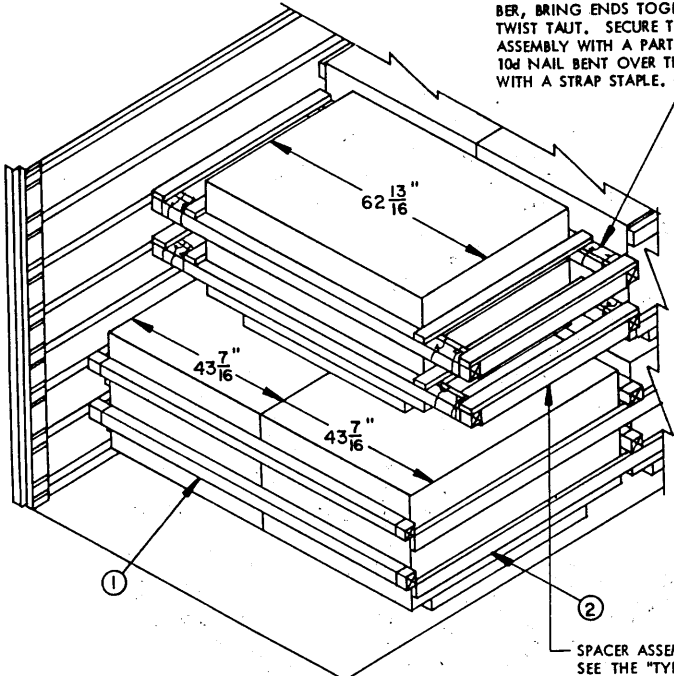


**KEY NUMBERS**

- ① CROSS MEMBER ( 16 REQD ). POSITION AT THE HEIGHTS AS SPECIFIED IN THE "SECTION D-D VIEW". SEE GENERAL NOTE "D" ON PAGE 2.
- ② SIDE FILL, 2" X 4" BY LADING LENGTH ( 8 REQD ). RANDOM LENGTH PIECES MAY BE USED. WIRE TIE TO THE 16", 28", 48" AND 72" HIGH BELT RAILS AT EACH SIDE OF THE CONTAINER. SEE THE "SIDE FILL DETAIL" ON PAGE 22 AND SPECIAL NOTE 3 ON PAGE 11.



TIE WIRE, NO. 14 GAGE WIRE 18" LONG ( 16 REQD ). INSTALL TO FORM A COMPLETE LOOP AROUND SPACER ASSEMBLY AND CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.



SPACER ASSEMBLY ( 4 REQD ). SEE THE "TYPICAL SPACER ASSEMBLY" DETAIL ON PAGE 22 AND SPECIAL NOTE 2 AT RIGHT.

**SPECIAL NOTES:**

1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 10 AND 11 ARE BASED ON A 15-BOX PALLET UNIT OF 2.75" ROCKETS WITH A UNIT WEIGHT OF 1,900 POUNDS. SEE UNIT NO. 3 DETAIL ON PAGE 3.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH ( 1/2" ) VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. THE THICKNESS OF SIDE FILL PIECES AS DEPICTED ON EACH SIDE OF THE LOAD MUST BE ADJUSTED, AS REQUIRED, TO COMPLY WITH THE DIMENSIONAL VARIANCE OF THE PALLET UNIT, SO AS TO NOT ALLOW MORE THAN ONE AND ONE-HALF INCH ( 1-1/2" ) VOID ACROSS THE WIDTH OF A BRACED LOAD. ADJUSTMENTS CAN BE MADE BY USING A DIFFERENT THICKNESS FILL PIECE OR BY LAMINATING ADDITIONAL PIECES TO THE SPECIFIED FILL PIECES ON ONE OR BOTH SIDES OF THE LOAD.

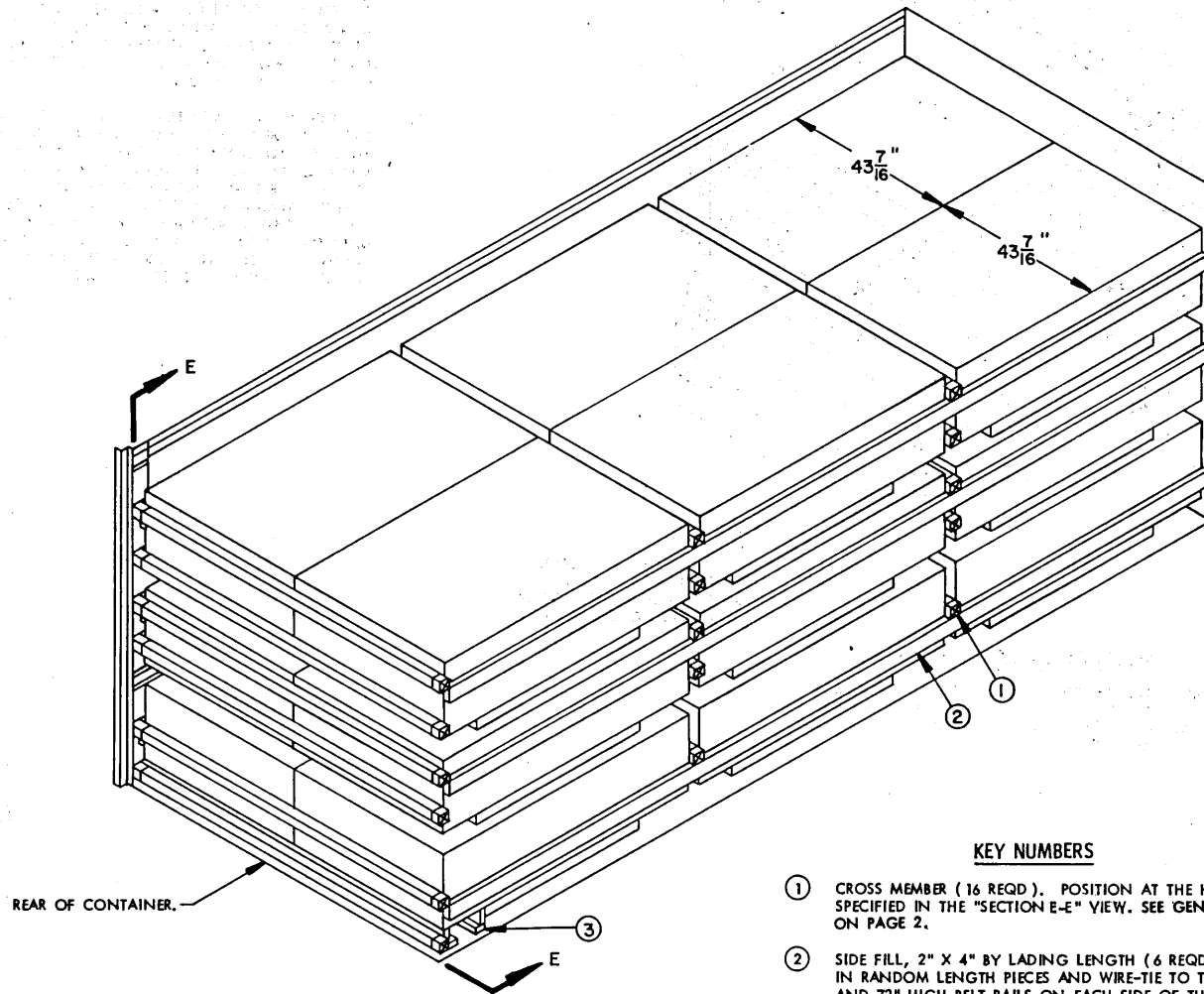
**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	130	87
NAILS	NO. REQD	POUNDS
10d ( 3" )	40	3/4
WIRE, NO. 14 GAGE	60' REQD	1 LB
CROSS MEMBER	16 REQD	

**LOAD AS SHOWN**

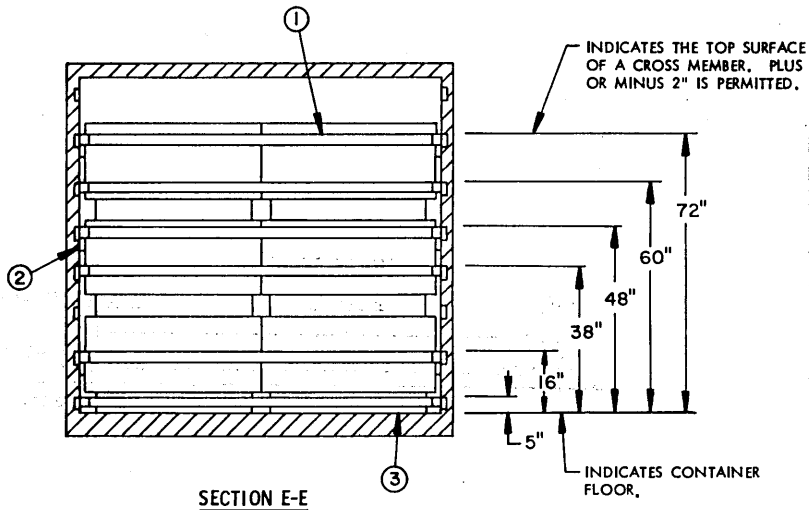
ITEM	QUANTITY	WEIGHT ( APPROX )
PALLET	12	23,856 LBS
DUNNAGE		176 LBS
CONTAINER		5,700 LBS
<b>TOTAL GROSS WEIGHT</b>		<b>29,732 LBS</b>



ISOMETRIC VIEW

**KEY NUMBERS**

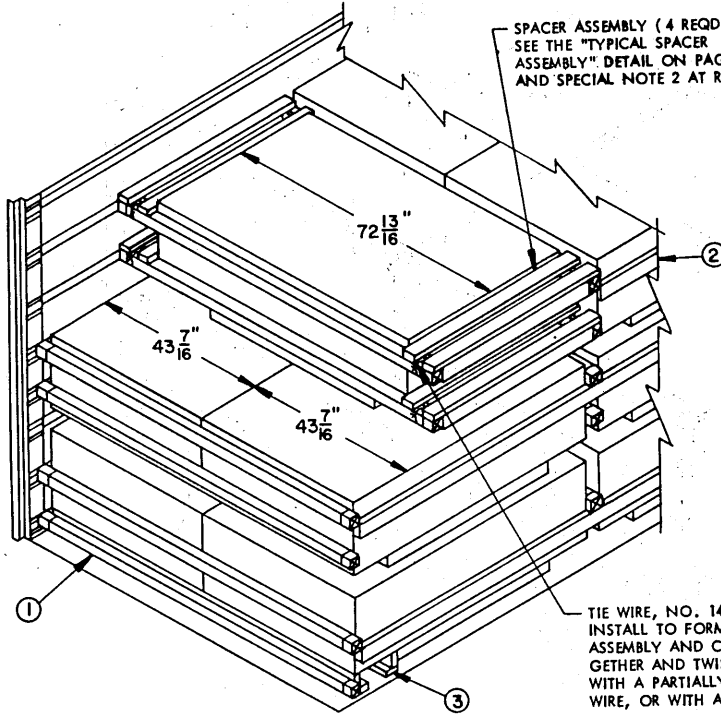
- ① CROSS MEMBER (16 REQD). POSITION AT THE HEIGHTS AS SPECIFIED IN THE "SECTION E-E" VIEW. SEE GENERAL NOTE "D" ON PAGE 2.
- ② SIDE FILL, 2" X 4" BY LADING LENGTH (6 REQD). INSTALL IN RANDOM LENGTH PIECES AND WIRE-TIE TO THE 16", 48" AND 72" HIGH BELT RAILS ON EACH SIDE OF THE CONTAINER. SEE THE "SIDE FILL DETAIL" ON PAGE 22 AND SPECIAL NOTE 3 ON PAGE 13.
- ③ SPACER (1 REQD). SEE DETAIL ON PAGE 13. POSITION UNDER THE OVERHANG OF THE PALLET UNIT, BETWEEN THE PALLET AND THE 5" HIGH CROSS MEMBER. FIELD CHECK OVERHANG OF BOXES OF THE PALLET UNIT TO INSURE A SNUG FIT BETWEEN CROSS MEMBER AND PALLET.



SECTION E-E

**SPECIAL NOTES:**

1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 12 AND 13 ARE BASED ON A 10-BOX PALLET UNIT OF 2.75" ROCKETS WITH A UNIT WEIGHT OF 1,703 POUNDS. SEE UNIT NO. 4 DETAIL ON PAGE 4.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. THE THICKNESS OF SIDE FILL PIECES AS DEPICTED ON EACH SIDE OF THE LOAD MUST BE ADJUSTED, AS REQUIRED, TO COMPLY WITH THE DIMENSIONAL VARIANCE OF THE PALLET UNIT, SO AS TO NOT ALLOW MORE THAN ONE AND ONE-HALF INCH (1-1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD. ADJUSTMENTS CAN BE MADE BY USING A DIFFERENT THICKNESS FILL PIECE OR BY LAMINATING ADDITIONAL PIECES TO THE SPECIFIED FILL PIECES ON ONE OR BOTH SIDES OF THE LOAD.

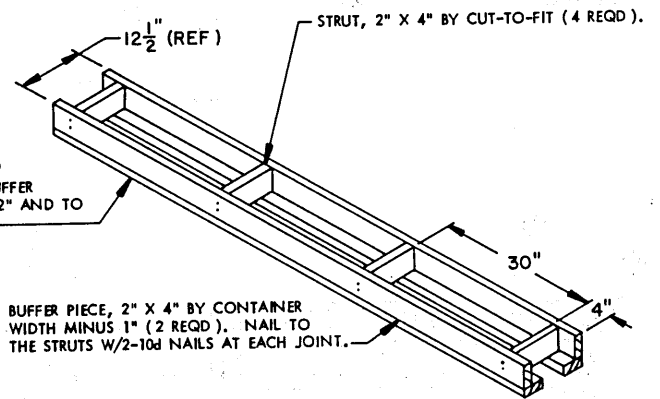


SPACER ASSEMBLY (4 REQD). SEE THE "TYPICAL SPACER ASSEMBLY" DETAIL ON PAGE 22 AND SPECIAL NOTE 2 AT RIGHT.

TIE WIRE, NO. 14 GAGE WIRE 18" LONG (8 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND SPACER ASSEMBLY AND CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.

**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.



RISER PIECE, 2" X 4" BY CONTAINER WIDTH MINUS 1" (2 REQD). NAIL TO THE BUFFER PIECE W/1-10d NAIL EVERY 12" AND TO EACH STRUT W/1-10d NAIL.

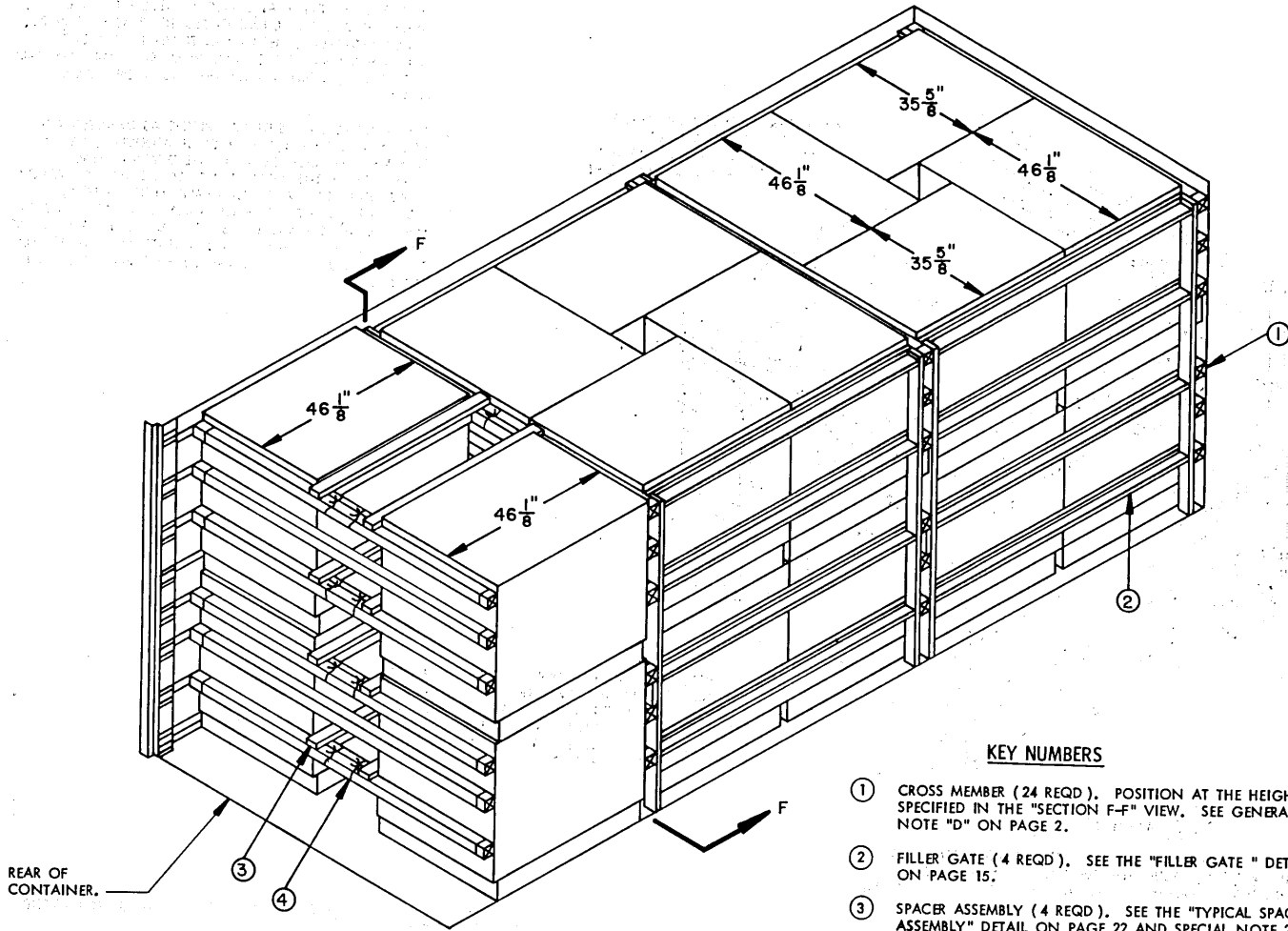
BUFFER PIECE, 2" X 4" BY CONTAINER WIDTH MINUS 1" (2 REQD). NAIL TO THE STRUTS W/2-10d NAILS AT EACH JOINT.

**SPACER**

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	146	98
NAILS	NO. REQD	POUNDS
10d (3")	76	1-1/4
WIRE, NO. 14 GAGE	54' REQD	1 LB
CROSS MEMBER	16 REQD	

**LOAD AS SHOWN**

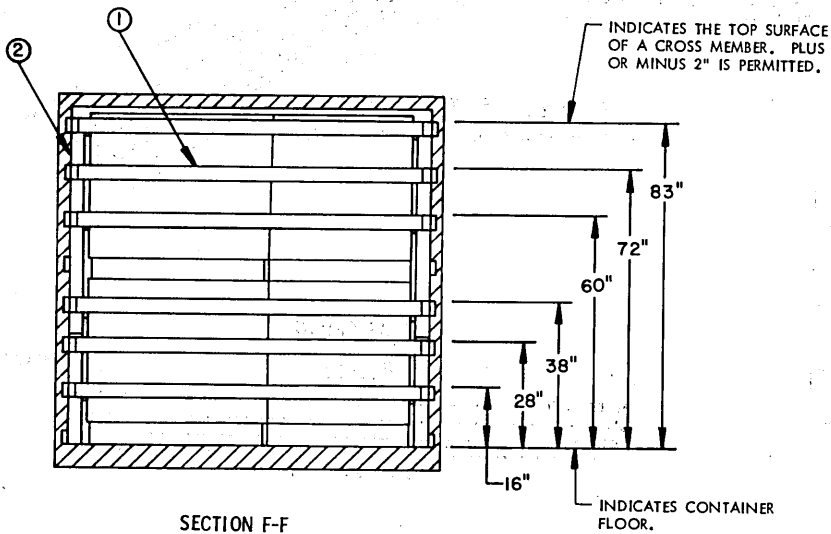
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	18	30,654 LBS
DUNNAGE		199 LBS
CONTAINER		5,700 LBS
<b>TOTAL GROSS WEIGHT</b>		<b>36,553 LBS</b>



ISOMETRIC VIEW

**KEY NUMBERS**

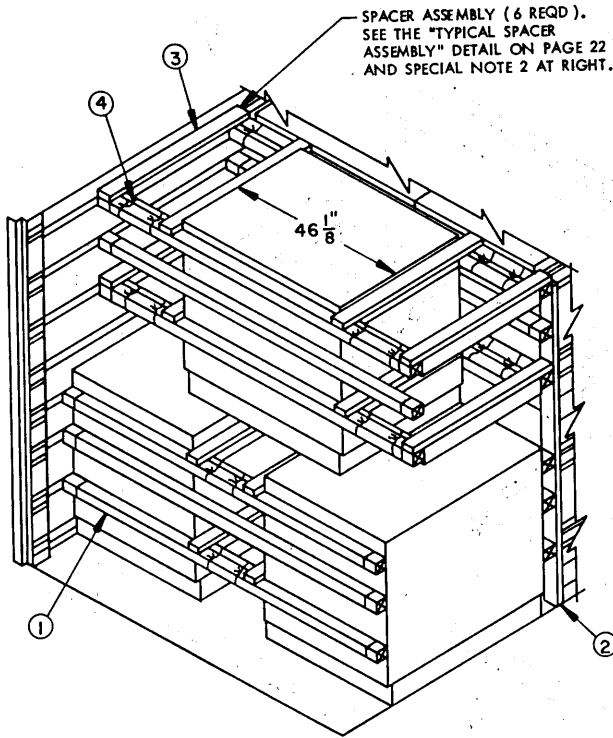
- ① CROSS MEMBER (24 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION F-F" VIEW. SEE GENERAL NOTE "D" ON PAGE 2.
- ② FILLER GATE (4 REQD). SEE THE "FILLER GATE" DETAIL ON PAGE 15.
- ③ SPACER ASSEMBLY (4 REQD). SEE THE "TYPICAL SPACER ASSEMBLY" DETAIL ON PAGE 22 AND SPECIAL NOTE 2 ON PAGE 15.
- ④ TIE WIRE, NO. 14 GAGE WIRE 18" LONG (16 REQD). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE SPACER ASSEMBLY AND THE CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO THE SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.



SECTION F-F

**SPECIAL NOTES:**

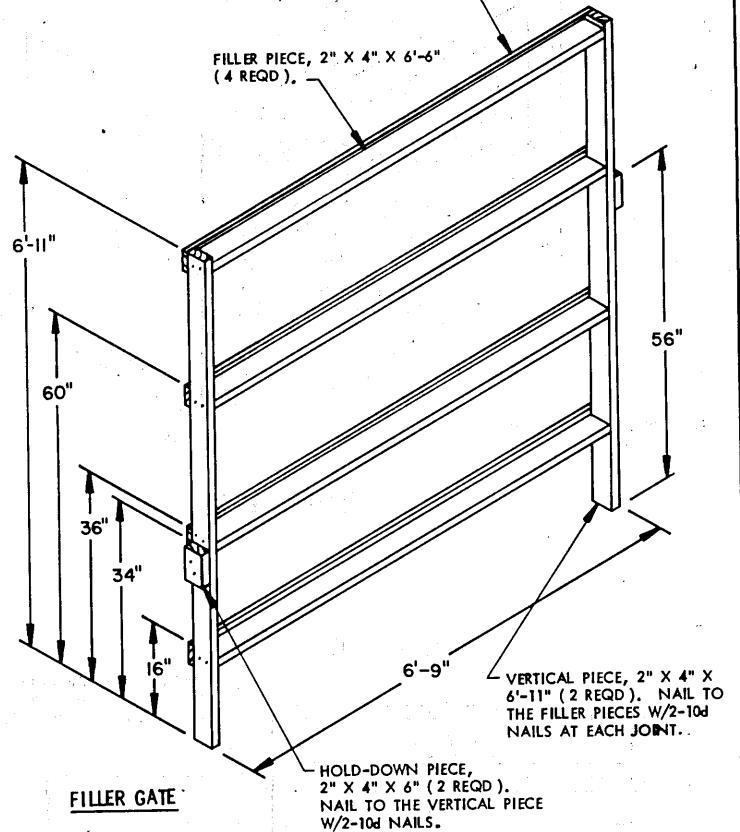
1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 14 AND 15 ARE BASED ON A 12-BOX PALLET UNIT OF 2.75" ROCKETS WITH A UNIT WEIGHT OF 1,764 POUNDS. SEE UNIT NO. 5 ON PAGE 4.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. 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 BAY BY LAMINATING ADDITIONAL PIECES OF APPROPRIATE THICKNESS TO THE BEARING PIECES ON ONE OR MORE FILLER GATES USED BETWEEN THE SIDE OF THE CONTAINER AND THE PALLET UNITS. NAIL EACH ADDITIONAL PIECE TO THE BEARING PIECE W/1 APPROPRIATELY SIZED NAIL EVERY 12". ADDITIONALLY, THE WIDTH OF THE FILLER AND VERTICAL PIECES MAY BE ADJUSTED AS REQUIRED TO FACILITATE VARIANCE IN PALLET UNIT SIZE.



**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

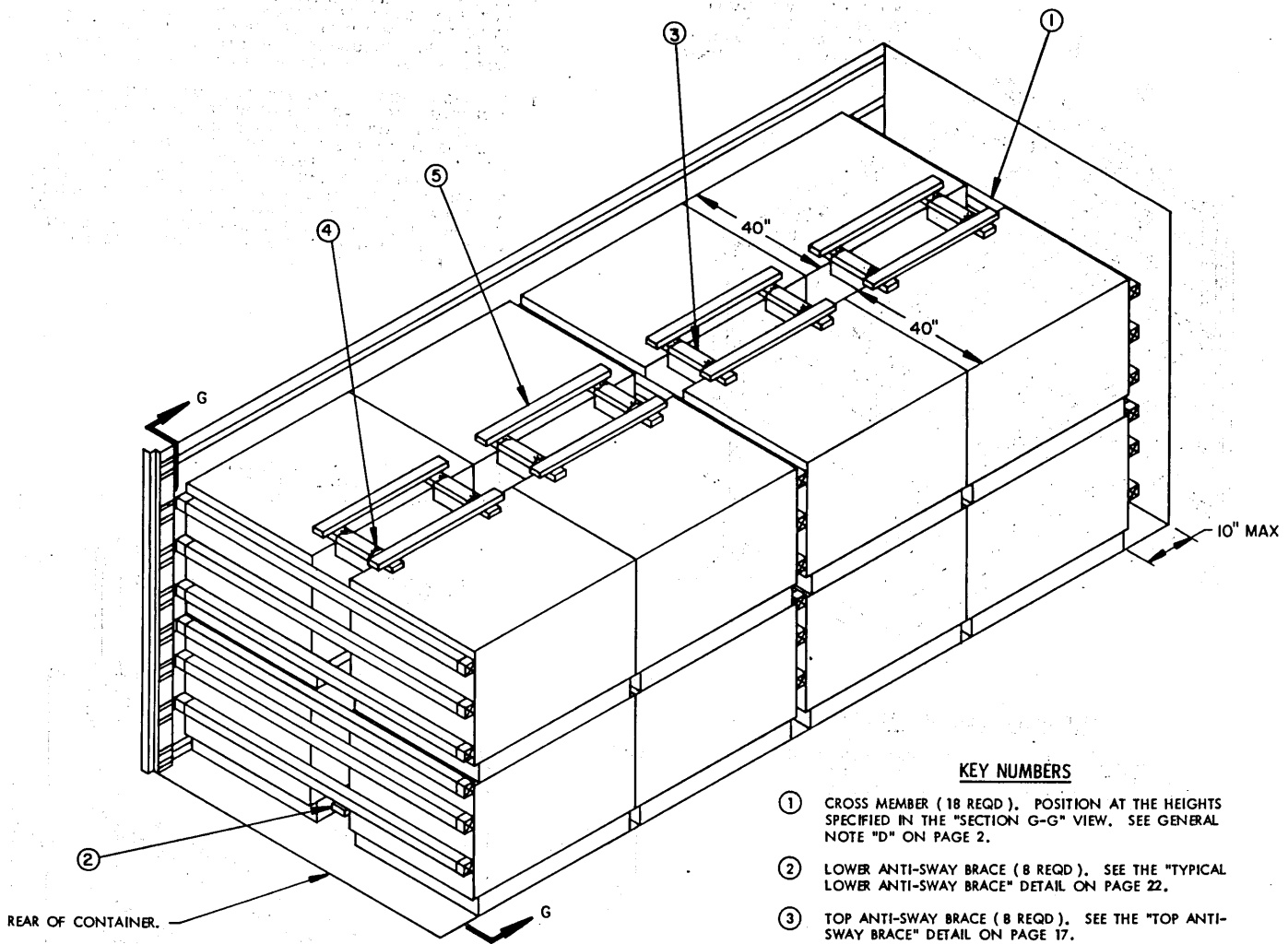
BEARING PIECE, 1" X 4" X 6'-9" (4 REQD). NAIL TO THE FILLER PIECE W/5-6d NAILS AND TO THE VERTICAL PIECE W/2-6d NAILS AT EACH JOINT.



BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	108	36
2" X 4"	240	160
NAILS	NO. REQD	POUNDS
6d (2")	144	1
10d (3")	176	2-3/4
WIRE, NO. 14 GAGE	24 REQD	1/2 LB
CROSS MEMBER	24 REQD	

**LOAD AS SHOWN**

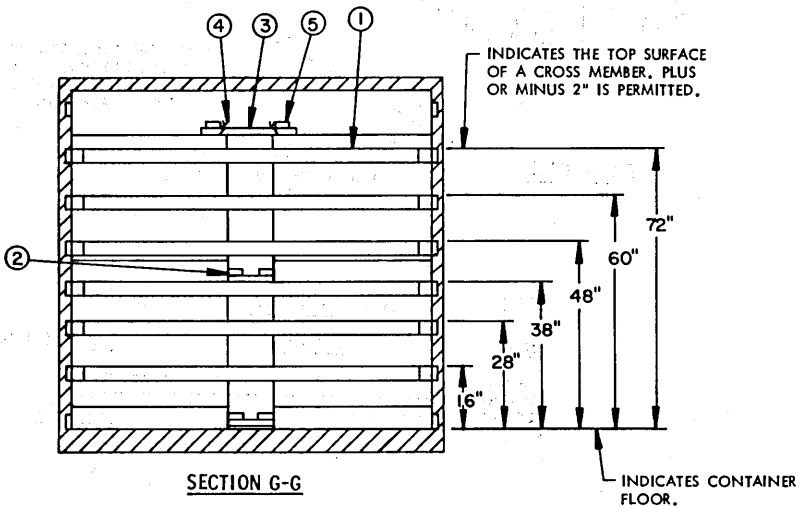
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	20	35,280 LBS
DUNNAGE		396 LBS
CONTAINER		5,700 LBS
<b>TOTAL GROSS WEIGHT</b>		<b>41,376 LBS</b>



ISOMETRIC VIEW

KEY NUMBERS

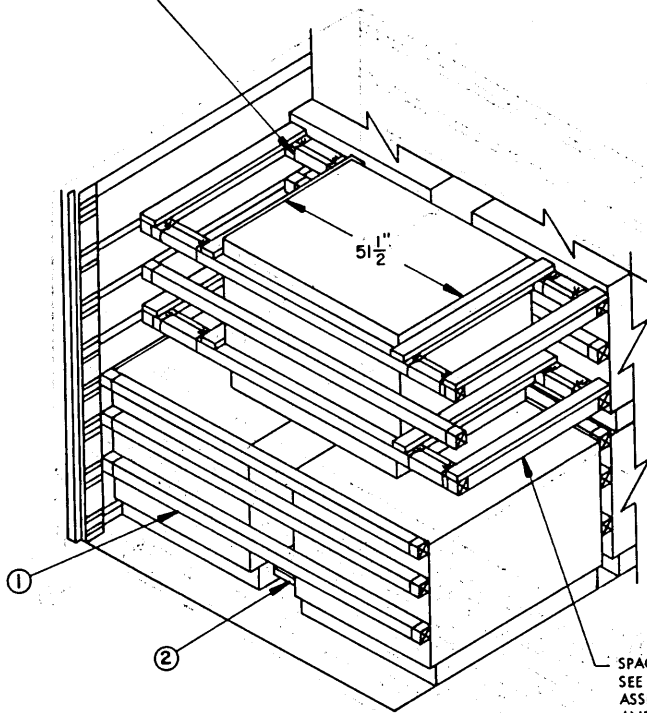
- ① CROSS MEMBER ( 18 REQD ). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION G-G" VIEW. SEE GENERAL NOTE "D" ON PAGE 2.
- ② LOWER ANTI-SWAY BRACE ( 8 REQD ). SEE THE "TYPICAL LOWER ANTI-SWAY BRACE" DETAIL ON PAGE 22.
- ③ TOP ANTI-SWAY BRACE ( 8 REQD ). SEE THE "TOP ANTI-SWAY BRACE" DETAIL ON PAGE 17.
- ④ TIE WIRE, NO. 14 GAGE WIRE 18" LONG ( 16 REQD ). INSTALL THE WIRE TO FORM A COMPLETE LOOP AROUND THE UNITIZING STRAP OF THE UNIT AND THE TIE PIECE OF THE TOP ANTI-SWAY BRACE, BRING THE ENDS TOGETHER AND TWIST TAUT.
- ⑤ TIE PIECE 2" X 4" X 40" ( 8 REQD ). NAIL TO THE TOP ANTI-SWAY BRACES W/2-10d NAILS AT EACH JOINT.



SECTION G-G



TIE WIRE, NO. 14 GAGE WIRE 18" LONG ( 16 REQD ).  
 INSTALL TO FORM A COMPLETE LOOP AROUND THE  
 SPACER ASSEMBLY AND THE CROSS MEMBER, BRING  
 THE ENDS TOGETHER AND TWIST TAUT. SECURE TO  
 THE SPACER ASSEMBLY WITH A PARTIALLY DRIVEN  
 10d NAIL BENT OVER THE WIRE, OR WITH A  
 STRAP STAPLE.



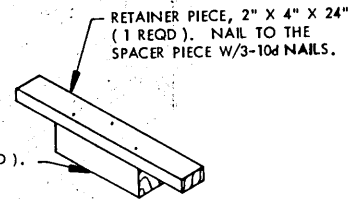
SPACER ASSEMBLY ( 4 REQD ).  
 SEE THE "TYPICAL SPACER  
 ASSEMBLY" DETAIL ON PAGE 22  
 AND SPECIAL NOTE 2 AT RIGHT.

**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN  
 A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE,  
 SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

**SPECIAL NOTES:**

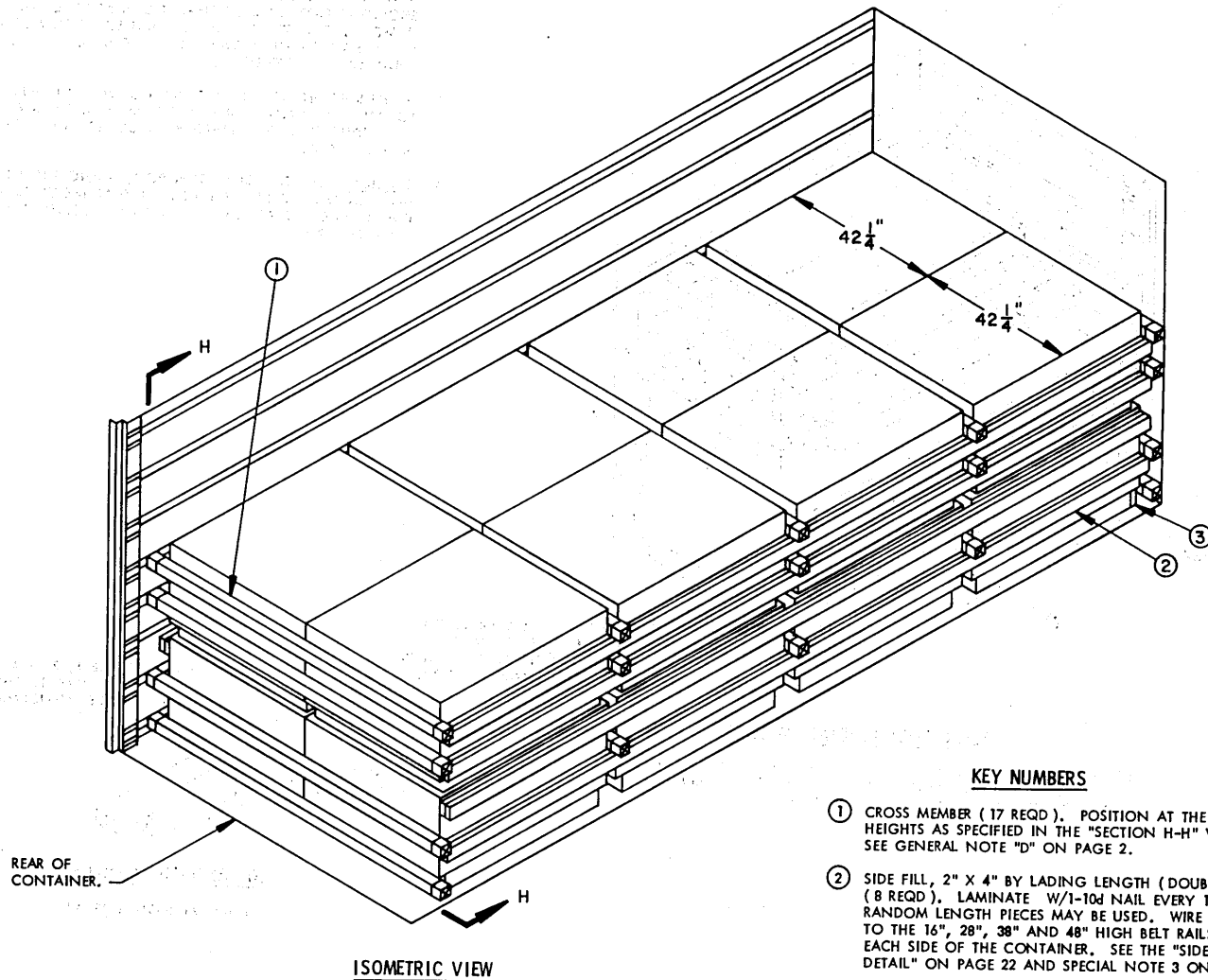
1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 16 AND 17 ARE BASED ON A 20-BOX PALLET UNIT OF 2.75" ROCKET MOTORS WITH A UNIT WEIGHT OF 1,580 POUNDS. SEE UNIT NO. 6 ON PAGE 4.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH ( 1/2" ) VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. IF THE SPECIFIED 4" X 4" MATERIAL IS NOT AVAILABLE, SUITABLE BLOCKING DUNNAGE CAN BE MADE BY LAMINATING TWO PIECES OF 2" X 4" MATERIAL TOGETHER WITH A 10d NAIL EVERY 4".
4. CAUTION: EXERCISE CARE WHEN POSITIONING THE PALLET UNITS IN THE CONTAINER TO INSURE THAT THE UNITS ARE PLACED AS CLOSE AS POSSIBLE AGAINST THE SIDEWALLS OF THE CONTAINER.



**TOP ANTI-SWAY BRACE**  
 SEE SPECIAL NOTE 3 ABOVE.

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	112	75
4" X 4"	8	11
NAILS	NO. REQD	POUNDS
10d ( 3" )	120	2
WIRE NO. 14 GAGE	24 REQD	1/2 LB
CROSS MEMBER	18 REQD	

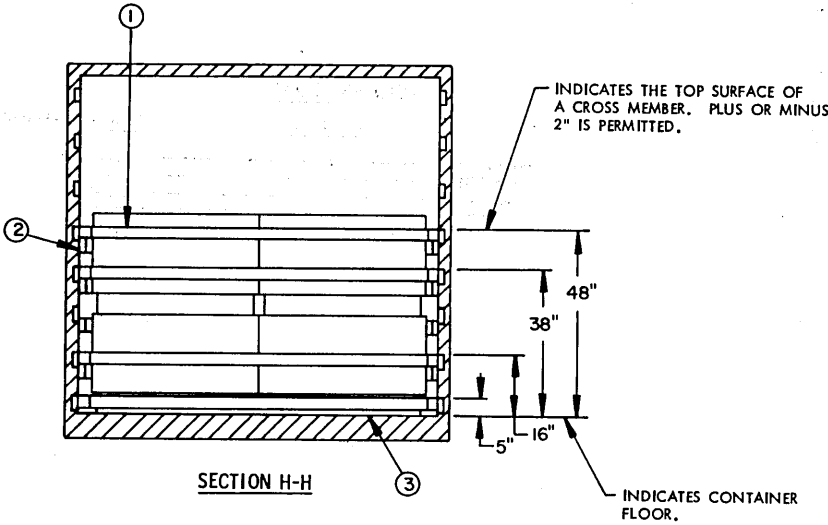
LOAD AS SHOWN		
ITEM	QUANTITY	WEIGHT ( APPROX )
PALLET UNIT	16	25,280 LBS
DUNNAGE		175 LBS
CONTAINER		5,700 LBS
TOTAL GROSS WEIGHT		31,155 LBS



ISOMETRIC VIEW

**KEY NUMBERS**

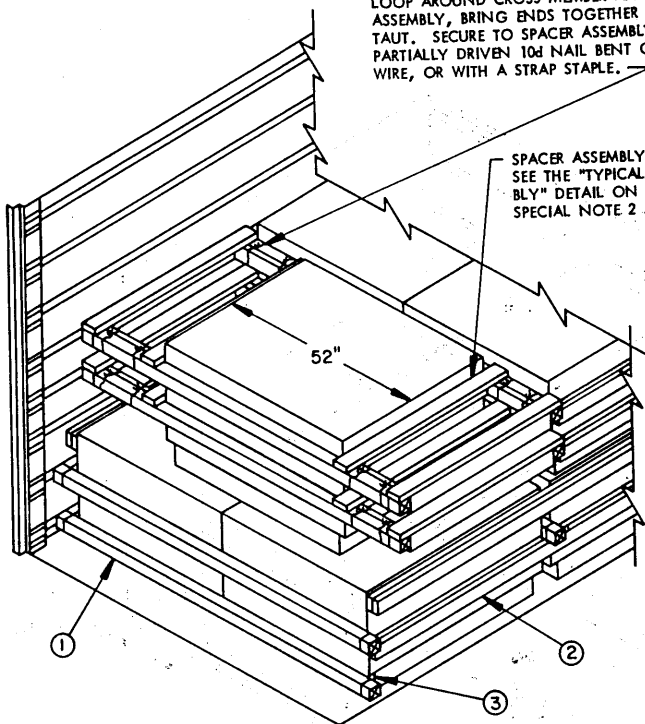
- ① CROSS MEMBER ( 17 REQD ). POSITION AT THE HEIGHTS AS SPECIFIED IN THE "SECTION H-H" VIEW. SEE GENERAL NOTE "D" ON PAGE 2.
- ② SIDE FILL, 2" X 4" BY LADING LENGTH ( DOUBLED ) ( 8 REQD ), LAMINATE W/1-10d NAIL EVERY 12". RANDOM LENGTH PIECES MAY BE USED. WIRE TIE TO THE 16", 28", 38" AND 48" HIGH BELT RAILS AT EACH SIDE OF THE CONTAINER. SEE THE "SIDE FILL DETAIL" ON PAGE 22 AND SPECIAL NOTE 3 ON PAGE 19.
- ③ FILL MATERIAL, 2" X 6" X 7'-0" ( 2 REQD ).



SECTION H-H

TIE WIRE, NO. 14 GAGE WIRE 18" LONG (16 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND CROSS MEMBER AND SPACER ASSEMBLY, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.

SPACER ASSEMBLY (4 REQD). SEE THE "TYPICAL SPACER ASSEMBLY" DETAIL ON PAGE 22 AND SPECIAL NOTE 2 AT RIGHT.



**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

**SPECIAL NOTES:**

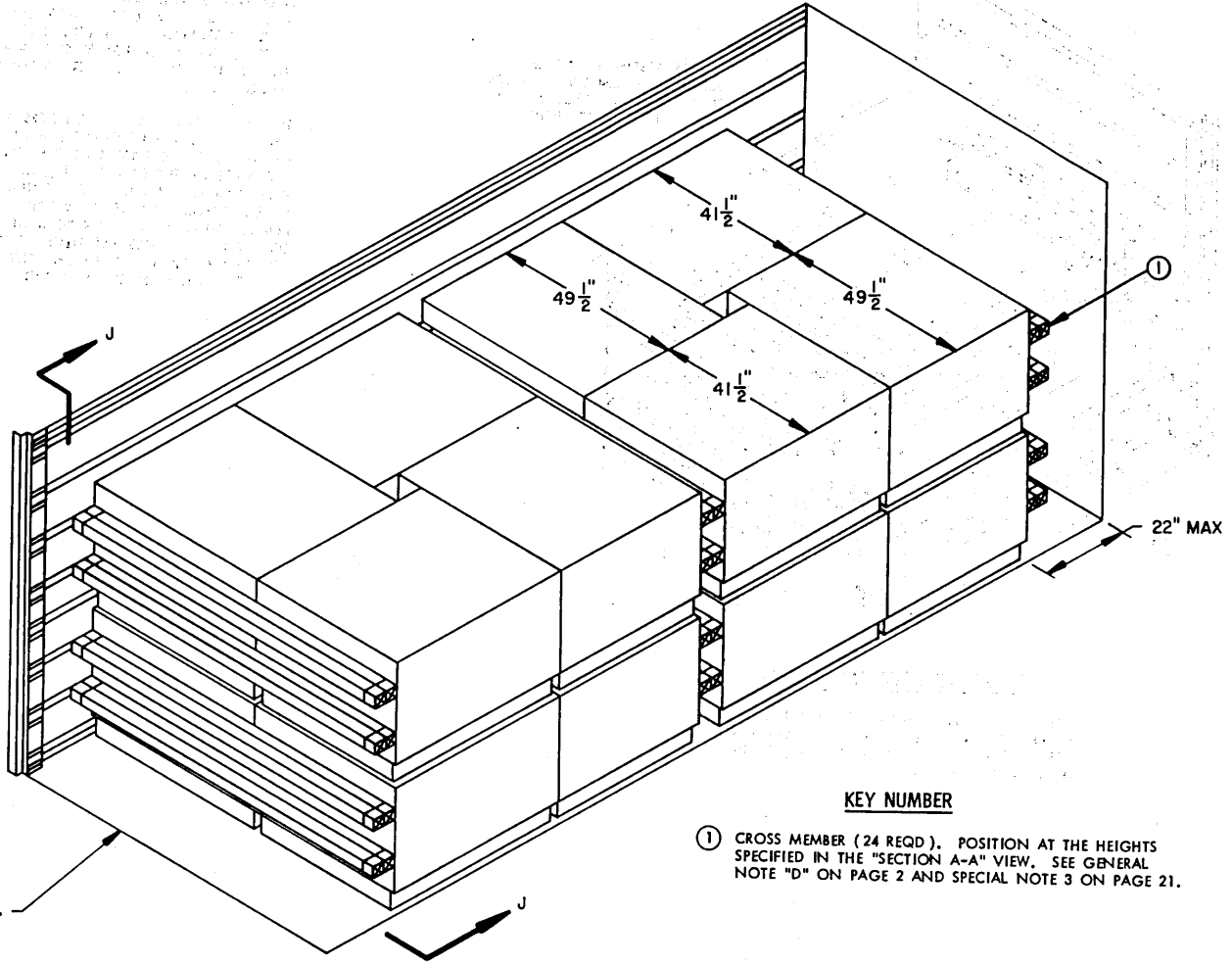
1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 18 AND 19 ARE BASED ON A 24-BOX PALLET UNIT OF 2.75" ROCKET WARHEADS WITH A UNIT WEIGHT OF 2,127 POUNDS. SEE UNIT NO. 7 ON PAGE 5.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. THE THICKNESS OF SIDE FILL PIECES AS DEPICTED ON EACH SIDE OF THE LOAD MUST BE ADJUSTED, AS REQUIRED, TO COMPLY WITH THE DIMENSIONAL VARIANCE OF THE PALLET UNIT, SO AS TO NOT ALLOW MORE THAN ONE AND ONE-HALF INCHES (1-1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD. ADJUSTMENTS CAN BE MADE BY USING A DIFFERENT THICKNESS FILL PIECE OR BY LAMINATING ADDITIONAL PIECES TO THE SPECIFIED FILL PIECES ON ONE OR BOTH SIDES OF THE LOAD.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	288	192
2" X 6"	14	14
NAILS	NO. REQD	POUNDS
10d (3")	144	2-1/4
WIRE, NO. 14 GAGE	72' REQD	1-1/4 LBS
CROSS MEMBER	17 REQD	

**LOAD AS SHOWN**

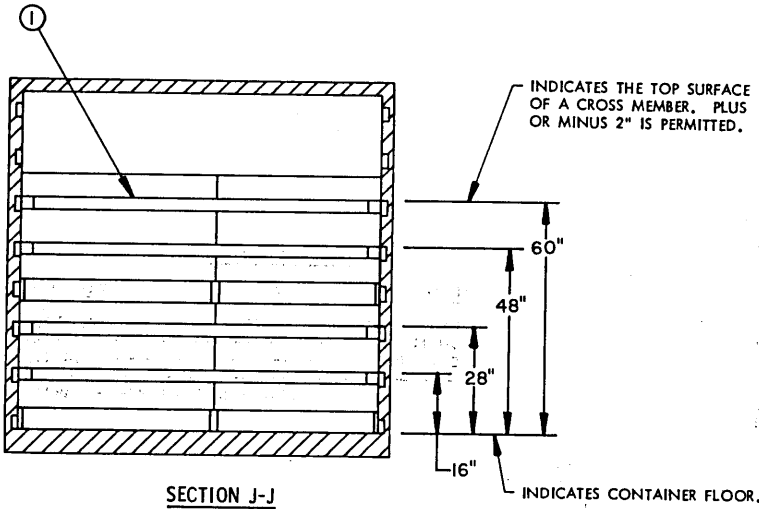
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	16	34,032 LBS
DUNNAGE		416 LBS
CONTAINER		5,700 LBS
TOTAL GROSS WEIGHT		40,148 LBS



**KEY NUMBER**

- ① CROSS MEMBER (24 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION A-A" VIEW. SEE GENERAL NOTE "D" ON PAGE 2 AND SPECIAL NOTE 3 ON PAGE 21.

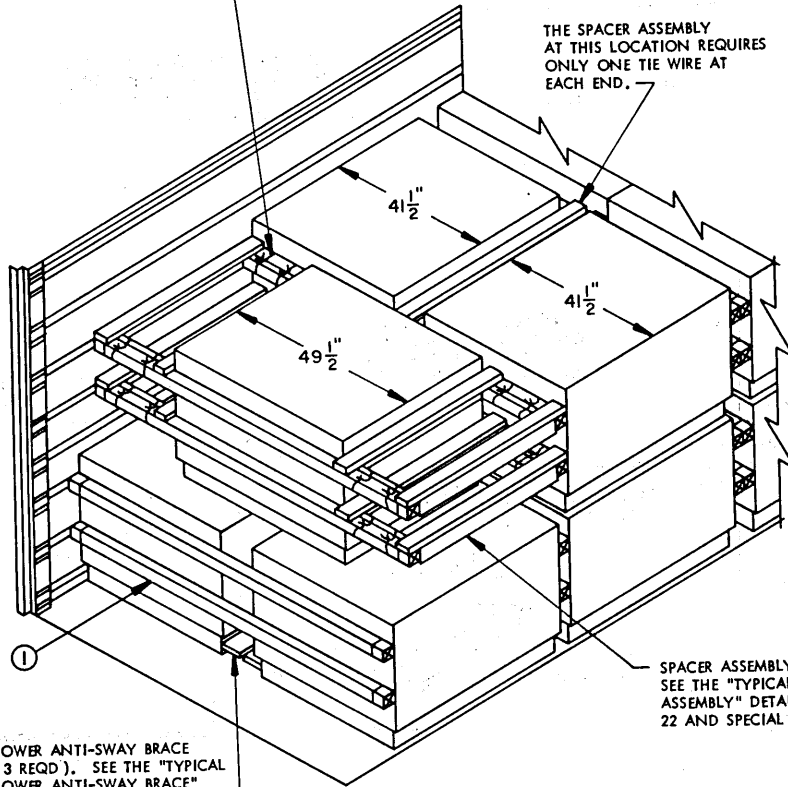
**ISOMETRIC VIEW**



**SPECIAL NOTES:**

- 1 THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 20 AND 21 ARE BASED ON A 36-BOX PALLET UNIT OF 2.75" ROCKET WARHEADS WITH A UNIT WEIGHT OF 2,194 POUNDS. SEE UNIT NO. 8 ON PAGE 5.
2. THE TYPICAL SPACER ASSEMBLY AS DETAILED ON PAGE 22 NEED NOT BE FABRICATED FOR A DRIVE FIT. THE ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOWEVER, IT MUST FIT TIGHT ENOUGH SO AS TO NOT ALLOW MORE THAN ONE-HALF INCH (1/2") VOID ACROSS THE WIDTH OF A BRACED LOAD.
3. IF 1-3/8" THICK DIMENSIONAL LUMBER IS NOT AVAILABLE FOR THE SPECIFIED FILL MATERIAL, PIECES CAN BE MADE BY PLANING NOMINAL 2" X 4" MATERIAL TO THE PROPER THICKNESS. ALSO, STRIPS OF PLYWOOD CAN BE USED AS FILL MATERIAL. USE PLYWOOD OF DIFFERENT THICKNESS TO ACHIEVE THE SPECIFIED 1-3/8".

TIE WIRE, NO. 14 GAGE WIRE 18" LONG (20 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND SPACER ASSEMBLY AND CROSS MEMBER, BRING ENDS TOGETHER AND TWIST TAUT. SECURE TO THE SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.



THE SPACER ASSEMBLY AT THIS LOCATION REQUIRES ONLY ONE TIE WIRE AT EACH END.

SPACER ASSEMBLY (6 REQD). SEE THE "TYPICAL SPACER ASSEMBLY" DETAIL ON PAGE 22 AND SPECIAL NOTE 2 ABOVE.

LOWER ANTI-SWAY BRACE (3 REQD). SEE THE "TYPICAL LOWER ANTI-SWAY BRACE" DETAIL ON PAGE 22.

**ALTERNATIVE LOADING PATTERN**

THE DETAIL ABOVE SPECIFIES A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD. FOR ADDITIONAL GUIDANCE, SEE THE "REDUCED-LOAD PROVISIONS" ON PAGE 2.

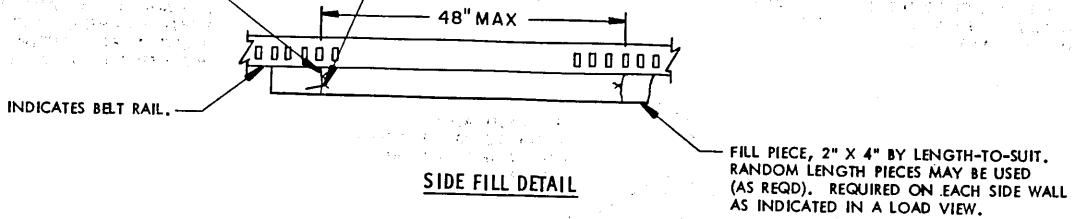
BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	91	61
NAILS	NO. REQD	POUNDS
10d (3")	36	3/4
WIRE, NO. 14 GAGE	72' REQD	1-1/4 LB
CROSS MEMBER		24 REQD

**LOAD AS SHOWN**

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT	16	35,104 LBS
DUNNAGE		124 LBS
CONTAINER		5,700 LBS
TOTAL GROSS WEIGHT		40,928 LBS

TIE WIRE, NO. 14 GAGE WIRE 18" LONG. WIRE TO FORM A COMPLETE LOOP THROUGH HOLE IN BELT RAIL AND AROUND FILL PIECE, BRING ENDS TOGETHER AND TWIST TAUT. REQUIRED NEAR EACH END OF A FILL PIECE AND EVERY 48" OF FILL PIECE LENGTH AS SHOWN.

RETAINER NAIL. A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE TO PREVENT LONGITUDINAL MOVEMENT OF FILL PIECE (1 REQD NEAR EACH END OF EACH LENGTH OF SIDE FILL PIECE). A STRAP STAPLE MAY BE USED IN LIEU OF A RETAINER NAIL.



**SIDE FILL DETAIL**

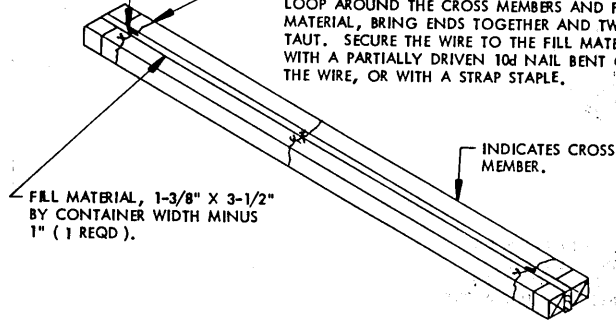
FILL PIECE, 2" X 4" BY LENGTH-TO-SUIT. RANDOM LENGTH PIECES MAY BE USED (AS REQD). REQUIRED ON EACH SIDE WALL AS INDICATED IN A LOAD VIEW.

RETAINER NAIL.

TIE WIRE, NO. 14 GAGE WIRE 24" LONG (3 REQD). INSTALL TO FORM A COMPLETE LOOP AROUND THE CROSS MEMBERS AND FILL MATERIAL, BRING ENDS TOGETHER AND TWIST TAUT. SECURE THE WIRE TO THE FILL MATERIAL WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.

RETAINER PIECE, 2" X 4" BY CUT-TO-FIT (2 REQD). NAIL TO THE BUFFER PIECE W/4-10d NAILS AND TO THE STRUTS W/1-10d NAIL AT EACH END.

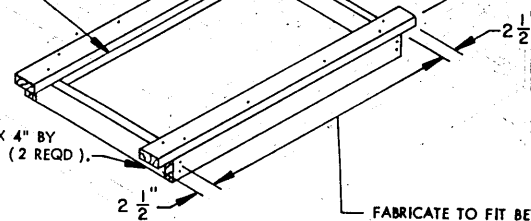
FABRICATE TO FIT BETWEEN UNITS OR CONTAINER SIDE WALL AND THE UNITS.



**FILL MATERIAL INSTALLATION**

BUFFER PIECE, 2" X 4" BY CUT-TO-FIT (2 REQD). NAIL TO THE STRUTS W/2-10d NAILS AT EACH END.

STRUT, 2" X 4" BY CUT-TO-FIT (2 REQD).



**TYPICAL SPACER ASSEMBLY**

FABRICATE TO FIT BETWEEN INSTALLED CROSS MEMBERS.

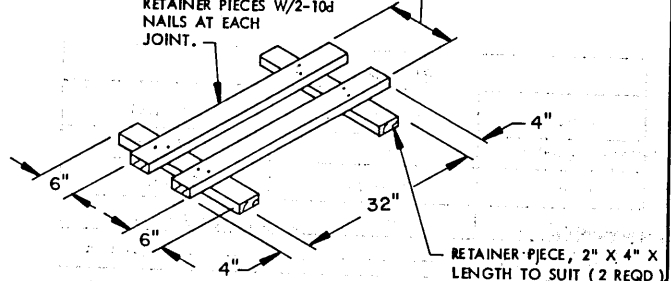
FILL MATERIAL, 1" X 4" OR 2" X 4" MATERIAL BY CONTAINER WIDTH MINUS 1" (AS REQD).

SECURE THE WIRE TO THE FILL MATERIAL WITH A PARTIALLY DRIVEN 10d NAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE.

BUFFER PIECE, 2" X 4" X 40" (2 REQD). NAIL TO THE RETAINER PIECES W/2-10d NAILS AT EACH JOINT.

FABRICATE TO FIT BETWEEN LATERALLY ADJACENT UNITS.

TIE WIRE, NO. 14 GAGE WIRE 18" LONG (3 REQD PER CROSS MEMBER). INSTALL TO FORM A COMPLETE LOOP AROUND CROSS MEMBER AND FILL MATERIAL, BRING ENDS TOGETHER AND TWIST TAUT.



**TYPICAL LOWER ANTI-SWAY BRACE**

**FILL DETAIL**

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