REV NO. 1 APPROVED BY

BUREAU OF EXPLOSIVES

JUPENISOR, MILITARY & INTERMODAL SERVICES

DATE \$\frac{1/9/9/1}{2}\$

LOADING AND BRACING IN MILVAN CONTAINERS OF PALLETIZED UNITS OF PROPELLING CHARGES PACKED IN CYLINDRICAL METAL CONTAINERS FOR SHIPMENT BY T/COFC RAIL CARRIER

FOR ITEMIZED INDEX, SEE PAGE 3.

- 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 "L" ON PAGE 2.
- ONLY MILVAN CONTAINERS WHICH HAVE BEEN MODIFIED TO INCLUDE A MECHANICAL LOAD BRACING SYSTEM THAT SATISFIES THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C WILL BE USED FOR THE MOVEMENT OF AMMUNITION BY T/COFC SERVICE. CAUTION: OTHER REQUIREMENTS OF PAMPHLET 6C ALSO APPLY.

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GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS IM 743-200-1 (CHAPTER 5).
- B. THE SPECIFIED OUTLOADING PROCEDURES ARE APPLICABLE TO PALLETIZED UNITS OF PROPELLING CHARGES. FOR DETAILS AND WEIGHTS OF THE PALLETIZED UNITS, SEE PAGES 4 THRU 11 OF THIS DRAWING AND APPENDICES TO AMC DRAWING 19-48-402A-20PMIOO1. THE DIMENSIONS AND WEIGHTS OF PALLET UNITS TO BE SHIPPED MAY VARY SLIGHTLY FROM THE DIMENSIONS AND WEIGHTS OF POLLET UNITS TO BE SHIPPED MAY VARY SLIGHTLY FROM THE DIMENSIONS AND WEIGHTS DISPLAYED HEREIN. HOWEVER, THE VARIATIONS WILL NOT NEGATE THE USE OF OUTLOADING PROCEDURES SELECTED FROM THIS DRAWING FOR AN ITEM TO BE SHIPPED MUST CONFORM WITH THE SPECIFICATIONS OF THE "INDEX OF OUTLOADING PROCEDURES" CHART ON PAGE 3. A LOAD MAY BE MIXED OR OTHER TYPES OF LADING ITEMS MAY BE LOADED IN A CONTAINER WHICH IS PARTIALLY LOADED WITH A DESIGNATED ITEM, PROVIDING THE TOTAL LOAD IS COMPATIBLE, EXISTING DIRECTIVES ARE NOT VIOLATED, AND THE OTHER LADING ITEMS ARE BLOCKED AND BRACED TO EQUAL THE BLOCKING AND BRACING CRITERIA SPECIFIED. PALLET UNITS WILL NOT BE MIXED WITHIN A LOAD BAY. CAUTION: REGARDLESS OF THE QUANTITY OF PALLET UNITS TO BE SHIPPED, THE "MAXIMUM GROSS WEIGHT" OF 44,800 POUNDS MUST NOT BE EXCEEDED. SEE GENERAL NOTE "K" FOR SPECIFIC LOAD WEIGHT GUIDANCE.
- 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 91-1/2" WIDE BY 87" HIGH. THE LOADS ARE DESIGNED FOR TRAILER/CONTAINER-ON-FLATCAR (T/COFC) SHIPMENT.
- 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 &C, WITH THE EXCEPTION THAT TWO (2) ADDITIONAL BELT RAILS HAVE BEEN SHOWN; ONE AT 72" AND ONE AT 80" 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 CONTAINER). 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 THEREWITH EVEN THOUGH UNUSED DURING SOME SHIPMENTS. SEE THE "FILL DETAIL" ON PAGE 56 FOR THE DUNNAGING METHOD REQUIRED TO ELIMINATE AN EXCESSIVE LENGTHWISE VOID WITHIN A LOAD. THE LOAD BLOCKING COMPONENT DESIGNATED AS "CROSS MEMBER" HEREIN, IS IDENTIFIED AS "BEAM ASSEMBLY" WITHIN TM 55-8 115-200-24, DATED SEPTEMBER 1977. THE BEAM ASSEMBLY" WITHIN TM 55-8 115-200-24, DATED SEPTEMBER 1977. THE BEAM ASSEMBLY IS FURTHER IDENTIFIED AS FSN 8115-165-6623.
- E. DUNNAGE LUMBER SPECIFIED IS OF A NOMINAL SIZE. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY 3/4" THICK BY 3-1/2" 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 CONTAINER DEPICTED WITHIN THIS DRAWING, SUCH AS ONE OF THE SIDEWALLS, HAVE NOT BEEN SHOWN IN THE LOAD VIEWS FOR CLARITY PURPOSES.
- J. TO FACILITATE LOADING OPERATIONS AND TO PREVENT DAMAGE TO PALLET UNIT STRAPS, PARTICULARLY IN THOSE LOADS WHICH HAVE A MINIMAL LATERAL VOID BETWEEN UNITS, "SHOEHORN" TYPE DEVICES CAN BE USED WHEN LOADING THE UNITS INTO A MILVAN. THESE DEVICES WILL CONSIST OF TWO (2) PIECES OF 1/8" TEMPERED HARDBOARD (MASONITE OR A SIMILAR MATERIAL) OR THINGAGE SHEET METAL, APPROXIMATELY 48" X 48" IN SIZE. AFTER ONE UNIT IS POSITIONED IN THE CONTAINER, PLACE ONE "SHOEHORN" DEVICE AGAINST THE SIDE OF THAT UNIT AND THE OTHER DEVICE AGAINST THE CONTAINER SIDEWALL. THIS WILL PROVIDE SMOOTH SURFACES TO PREVENT STRAP "HANG-UP" WHEN POSITIONING THE LATERALLY ADJACENT PALLET UNIT IN PLACE. AFTER THE UNIT IS IN PLACE, THE "SHOEHORN" DEVICES WILL BE REMOVED.

 (CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

<u>LUMBER</u> ::	SEE TM 743-200-1, DUNNAGE LUMBER: FED SPEC MM-L-751.
NAILS::	COMMON, FED SPEC FF-N-105.
<u>WIRE</u> ::	FED SPEC QQ-W-461. ANNEALED, BLACK.
STRAP STAPLE:	COMMERCIAL GRADE.
PLYWOOD::	GROUP B, CONSTRUCTION AND INDUSTRIAL PLYWOOD, INTERIOR WITH EXTERIOR GLUE, GRADE C-D. IF SPECIFIED GRADE IS NOT AVAILABLE, A BETTER INTERIOR OR EXTERIOR GRADE MAY BE SUBSTITUTED; FED SPEC NN-P-530.

(GENERAL NOTES CONTINUED)

K. MAXIMUM LOAD WEIGHT CRITERIA:

THE ITEMIZED LOAD WEIGHTS ARE CONTROLLED BY EQUIPMENT CAPABILITY FACTORS. ALSO, THESE LISTED LOAD WEIGHTS IDENTIFY THE COMBINED WEIGHT OF AMMUNITION LADING UNITS AND DUNNAGE THAT CAN BE PLACED INTO ONE 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 CONTAINER ON 20-FT CHASSIS WITH SINGLE BOGIE. SEE NOTE 4.
21,300 LBS IN EACH CONTAINER ON 40-FT CHASSIS (COUPLED WITH DOUBLE

27,300 LBS IN 20-FT CONTAINER ON 40-FT CHASSIS (COUPLED WITH DOUBLE BOGIE). SEE NOTE 3.

19,300 LBS IN 20-FT CONTAINER (W/O CHASSIS) ABOARD FIXED-WING AIRCRAFT. 39,100 LBS IN 20-FT CONTAINER (W/O CHASSIS) FOR ROTARY-WING AIRCRAFT. SEE NOTE 5.

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 LOADS CAN BE ADJUSTED TO SATISFY A LESSER QUANTITY OF LADING UNITS. ADDITIONAL INSTRUCTIONS ARE FURNISHED IN THE "SPECIAL NOTE" SECTION ON THE PAGE OPPOSITE THE LOAD VIEW.

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.

NOTE 5: IT WILL BE NECESSARY TO REDUCE THE WEIGHT OF SOME LOADS TO BE MOVED BY ROTARY-WINGED AIRCRAFT, DEPENDING ON THE "LIFT" CAPABILITY OF THE SCHEDULED AIRCRAFT.

L. SPECIAL T/COFC NOTES:

- 1. 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.
- 3. 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.
- M. CAUTION: EXERCISE CARE WHEN POSITIONING THE PALLET UNITS INTO THE CONTAINER TO INSURE THAT THE UNITS ARE PLACED AS CLOSELY AS PRACTICAL AGAINST THE SIDE WALLS OF THE CONTAINER. IN ANY LOAD, THE COMBINED TOTAL VOID ACROSS THE WIDTH OF A BRACED LOAD MUST NOT EXCEED ONE AND ONE-HALF INCHES (1-1/2"), UNLESS OTHERWISE SPECIFIED.
- N. WHEN A MILVAN CONTAINER IS TO BE LOADED WITH A REDUCED QUANTITY OF LADING UNITS, THE LENGTHWISE CENTER OF GRAVITY OF A LOAD MUST BE WITHIN 12", IN EITHER DIRECTION, OF THE MID POINT IN A MILVAN.
- O. POWER DRIVEN STAPLES MAY BE USED AS ALTERNATIVE FASTENERS FOR NAILS WHEN CONSTRUCTING DUNNAGE ASSEMBLIES WHICH ARE TO BE USED IN THE DELINEATED MILVAN LOADS SHOWN THROUGHOUT THIS DRAWING. THE STAPLES TO BE USED MUST BE EQUAL IN LENGTH TO THE SPECIFIED NAIL SIZE AND MUST BE SUBSTITUTED ON A ONE STAPLE FOR ONE NAIL BASIS. STAPLES WHICH ARE 2-1/2" OR LESS IN LENGTH SHOULD BE IN ACCORDANCE WITH FEDERAL SPECIFICATION FF-N-105 AS NEARLY AS PRACTICABLE, STAPLES WHICH ARE LONGER THAN 2-1/2" LILL BE A COMMERCIAL GRADE, OF A QUALITY EQUIVALENT TO THOSE MANUFACTURED BY SENCO PRODUCTS INCORPORATED.
- P. THE PROCEDURES DEPICTED WITHIN THIS DRAWING ARE BASED ON ENGLISH MEASUREMENTS. THE METRIC EQUIVALENT MAY BE COMPUTED BY USING 1" EQUALS 25,4MM. METRIC EQUIVALENTS FOR WEIGHTS ARE BASED ON 1 POUND EQUALS 0,454 KG.

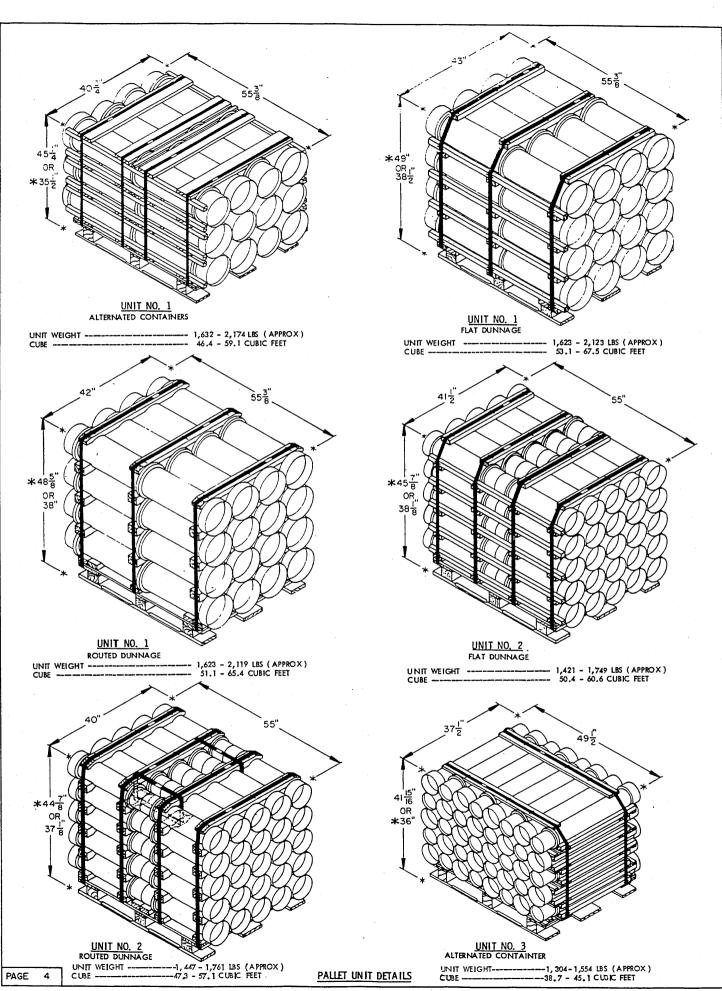
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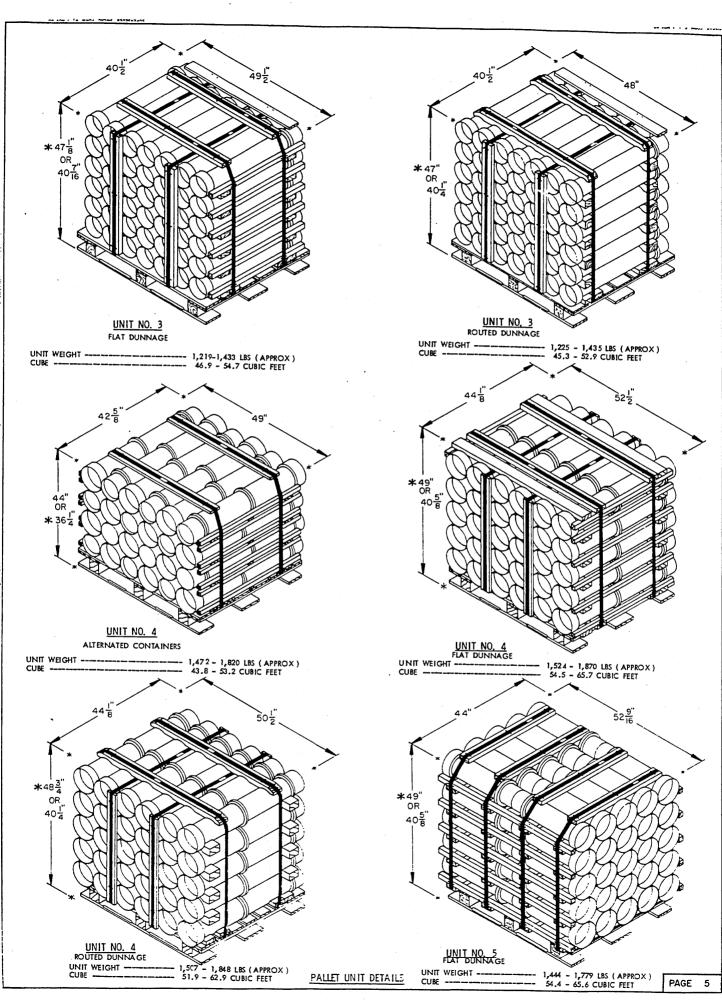
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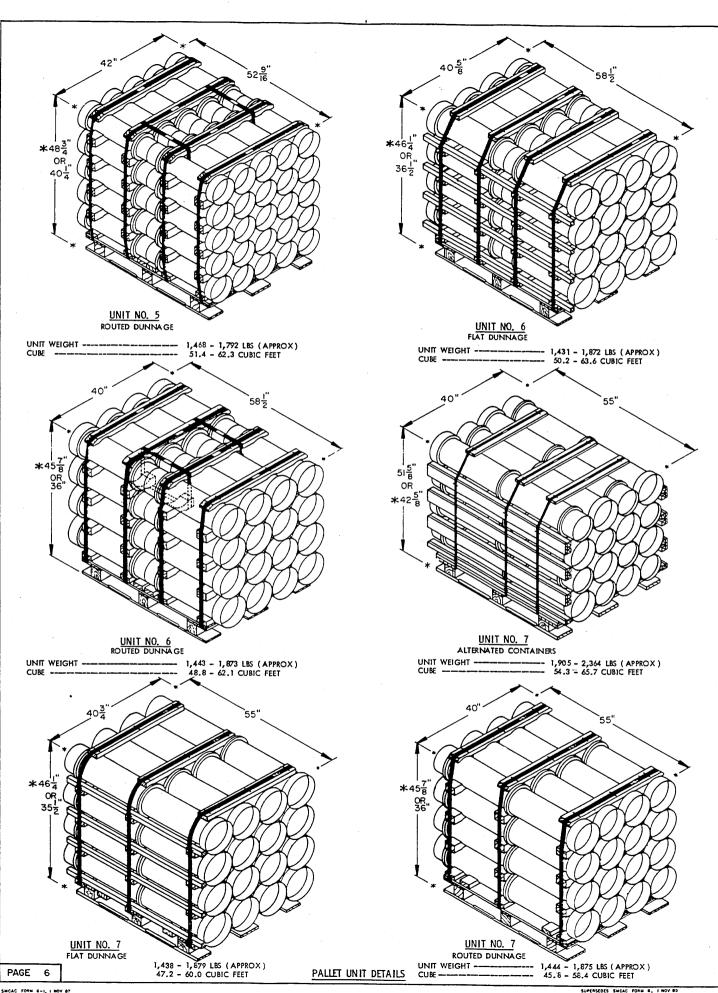
1. ADDING ADDITIONAL PALLET UNITS.

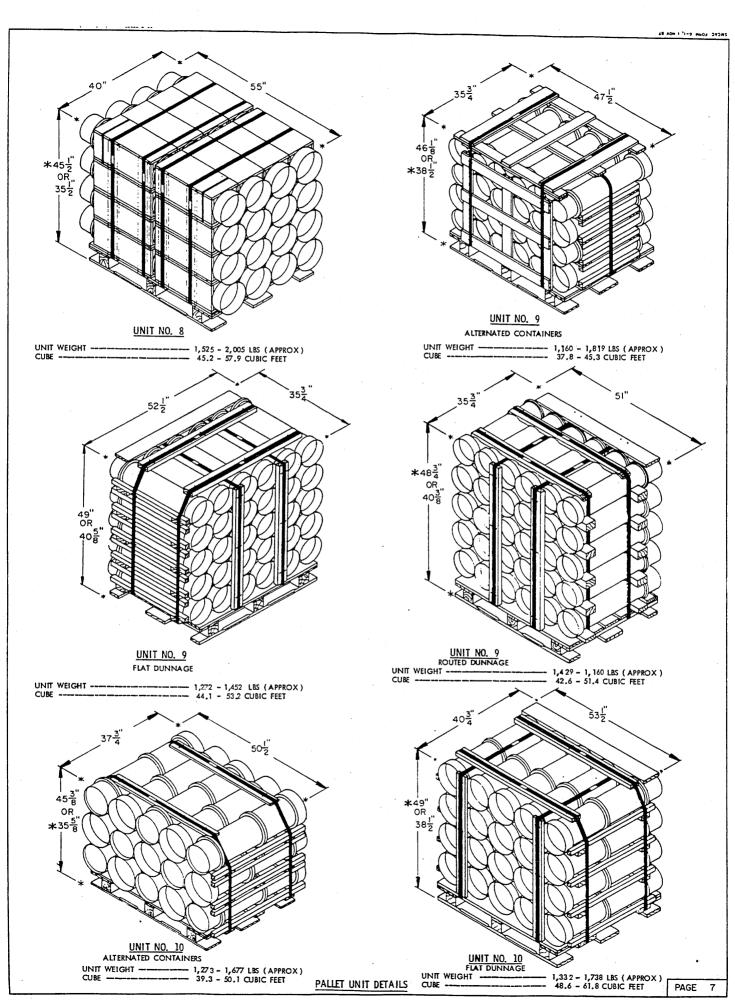
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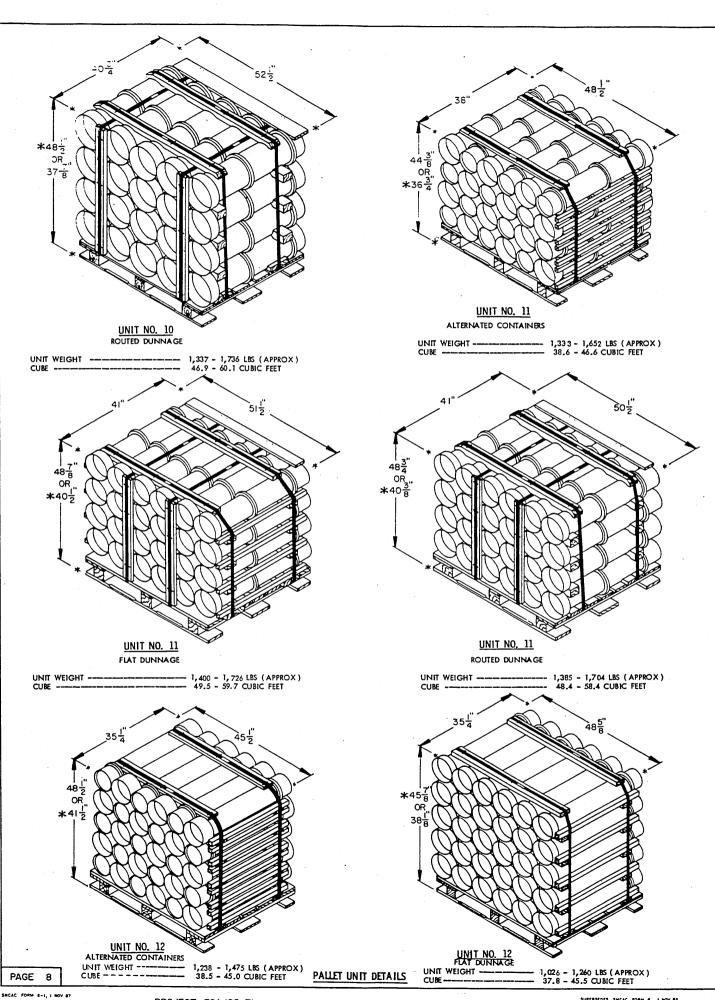
LINE NO.	ITEM DENTIFICATION	ITEMIZED I	PALLET UNIT DIMENSIONS	1			
	HEM BENTIFICATION	ł	L X W X H (INCHES)	(POUNDS)	UNIT NO.	UNIT DETAIL ON PAGE	LOADING DETAIL ON
1	MIO CNTR, ALTERNATED CONTAINERS		40-3/4 X 55-3/8 X 35-1/2	1, 632	1	4	PAGE (S)
2 3	MIO CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT) MIO CNTR, FLAT DUNNAGE METHOD		40-3/4 X 55-3/8 X 45-1/4	2, 174	1	4	12, 13
4	MIO CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)	1	43 X 55-3/8 X 49 43 X 55-3/8 X 38-1/2	2, 123 1, 623	1	4 4	12, 13 14, 15
5 6	M10 CNTR, ROUTED DUNNAGE METHOD M10 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)	.	42 X 55-3/8 X 48-5/8	2, 119	1	4	12, 13
7	M13 CNTR, FLAT DUNNAGE METHOD	1	42 X 55-3/8 X 38 41-1/2 X 55 X 45-7/8	1,623 1,749	1 2	4	14, 15
8	MI3 CNTR, FLAT DUNNA Œ METHOD (DECREASED -HEIGHT UNIT)		41-1/2 X 55 X 38-1/8	1, 421	2	4	16, 17 18, 19
10	M13 CNTR, ROUTED DUNNAGE METHOD M13 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		40 X 55 X 44-7/8 40 X 55 X 37-1/8	1, 761 1, 447	2 2	4	16, 17
11	M14 CNTR, ALTERNATED CONTAINERS	}	37-1/2 X 49-1/2 X 36	1, 304	3	4	18, 19 22, 23
12 13	M14 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT) M14 CNTR, FLAT DUNNAGE METHOD		37-1/2 X 49-1/2 X 41-15/16 40-1/2 X 49-1/2 X 47-1/8	1, 554	3	4	20, 21
14	M14 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)	1	40-1/2 X 49-1/2 X 40-7/16	1, 433 1, 219	3	5 5	20, 21 22, 23
15 16	M14 CNTR, ROUTED DUNNAGE METHOD M14 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)	[40-1/2 X 48 X 47 40-1/2 X 48 X 40-1/4	1, 435	3	5	20,21
17	M16 CNTR, ALTERNATED CONTAINERS		42-5/8 X 49 X 36-1/4	1, 225 1, 472	3 4	5 5	22, 23 30, 31
18 19	M16 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT) M16 CNTR, FLAT DUNNAGE METHOD		42-5/8 X 49 X 44	1,820	4	5	28, 29
20	MIG CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)	ŀ	44-1/8 X 52-1/2 X 49 44-1/8 X 52-1/2 X 40-5/8	1,870 1,524	4	. 5 . 5	24, 25 26, 27
21 22	M16 CNTR, ROUTED DUNNAGE METHOD		44-1/8 X 50-1/2 X 48-3/4	1,848	4	5	24, 25
23	M16 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT) M18 CNTR, FLAT DUNNAGE METHOD	į	44-1/8 X 50-1/2 X 40-1/4 44 X 52-9/16 X 49	1,507	4 5	5 5	26,27 32,33
24	M18 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		44 X 52-9/16 X 40-5/8	1, 444	5	5	34, 35
25 26	M18 CNTR, ROUTED DUNNAGE METHOD M18 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		42 X 52-9/16 X 48-3/4 42 X 52-9/16 X 40-1/4	1,792	5	6	32, 33
27	M19 CNTR, FLAT DUNNAGE METHOD		40-5/8 × 58-1/2 × 46-1/4	1, 468	5	6	34,35 36,37
28 29	M19 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT) M19 CNTR, ROUTED DUNNAGE METHOD		40-5/8 X 58-1/2 X 36-1/2	1, 431	6	6	38,39
30	MIS CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		40 X 58-1/2 X 45-7/8 40 X 58-1/2 X 36	1, 873	6	6	36,37 38,39
31	M460 CNTR, ALTERNATED CONTAINERS M460 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT)		40 X 55 X 42-5/8	1,905	7	6	38, 39
33	M460 CNTR, FLAT DUNNAGE METHOD		40 X 55 X 51-5/8 40-3/4 X 55 X 46-1/4	2,364 1,879	7	6 6	36, 37 16, 17
34	M460 CNTR, FLAT DUNNA GE METHOD (DECREASED-HEIGHT UNIT)		40-3/4 X 55 X 35-1/2	1, 438	7	6	18, 19
35 36	M460 CNTR, ROUTED DUNNAGE METHOD M460 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		40 X 55 X 45-7/8 40 X 55 X 36	1, 875 1, 444	7 7	6	16, 17
37	M460 CNTR, W/PROTECTIVE COVER		40 X 55 X 45-1/2	2,005	8	7	18, 19 40, 41
38 39	M460 CNTR, W/PROTECTIVE COVER (DECREASED-HEIGHT UNIT) PA 37 CNTR, ALTERNATED CONTAINERS		40 X 55 X 35-1/2 35-3/4 X 47-1/2 X 38-1/2	1,525	8 9	7	42, 43
40	PA37 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT)		35-3/4 X 47-1/2 X 36-1/2 35-3/4 X 47-1/2 X 46-1/8	1, 160 1, 819	9	7	52, 53 20, 21
41 42	PA37 CNTR, FLAT DUNNAGE METHOD PA37 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		35-3/4 X 52-1/2 X 49	1, 452	9	7	44, 45
43	PA37 CNTR, ROUTED DUNNAGE METHOD		35-3/4 X 52-1/2 X 40-5/8 35-3/4 X 51 X 48-3/4	1, 266 1, 429	9	7	46, 47 44, 45
44	PA37 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		35-3/4 × 51 × 40-3/8	1,160	9	7	46, 47
46	PA66 CNTR, ALTERNATED CONTAINERS PA66 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT)		37-3/4 × 50-1/2 × 35-5/8 37-3/4 × 50-1/2 × 45-3/8	1, 273 1, 677	10	7	30,31 28,29
47	PA 66 CNTR, FLAT DUNNAGE METHOD		40-3/4 X 53-1/2 X 49	1, 738	10	. 7	44, 45
48 49	PA66 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT) PA66 CNTR, ROUTED DUNNAGE METHOD		40-3/4 X 53-1/2 X 38-1/2 40-3/4 X 52-1/2 X 48-1/2	1,332	10 10	7 8	46,47 44,45
50	PA 66 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		40-3/4 X 52-1/2 X 37-7/8	1,337	10	8	46,47
51 52	PA68 CNTR, ALTERNATED CONTAINERS PA68 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT)		38 X 48-1/2 X 36-3/4 38 X 48-1/2 X 44-3/8	1, 333 1, 652	11	8	30,31
53	PA68 CNTR, FLAT DUNNAGE METHOD		41 X 51-1/2 X 40-1/2	1, 400	11	8	28, 29 46, 47
54 55	PA68 CNTR, FLAT DUNNAGE METHOD (INCREASED-HEIGHT UNIT) PA68 CNTR, ROUTED DUNNAGE METHOD	-	41 X 51-1/2 X 48-7/8	1, 726	11	8	44, 45
56	PA68 CNTR, ROUTED DUNNAGE METHOD (INCREASED-HEIGHT UNIT)		41 X 50-1/2 X 40·3/8 41 X 50-1/2 X 48-3/4	1,385 1,704	11	8 - 8	46, 47 44, 45
57 58	PA75 CNTR, ALTERNATED CONTAINERS		35-1/4 X 45-1/2 X 41-1/2	1, 238	.12	8	30,31
59	PA75 CNTR, ALTERNATED CONTAINERS (INCREASED-HEIGHT UNIT) PA75 CNTR, FLAT DUNNAGE METHOD		35-1/4 × 45-1/2 × 48-1/2 35-1/4 × 48-5/8 × 45-7/8	1, 475 1, 260	12 12	8 8	28, 29 20, 21
60	PA75 CNTR, FLAT DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		35-1/4 X 48-5/8 X 38-1/8	1, 026	12	8	22, 23
61	PA75 CNTR, ROUTED DUNNAGE METHOD PA75 CNTR, ROUTED DUNNAGE METHOD (DECREASED-HEIGHT UNIT)		35-1/4 X 46-3/4 X 45-5/8 35-1/4 X 46-3/4 X 37-3/4	1, 260 1, 033	12 12	9 9	20, 21
63	PA91 CNTR, PALLET UNIT		36 × 47-3/4 × 51-1/4	2, 025	13	9	22, 23 20, 21
64 65	PA91 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT) PA92 CNTR, PALLET UNIT		36 X 47-3/4 X 43-3/4 36-5/8 X 48-3/4 X 52-1/2	1, 697	13	9	22, 23
66	PA 92 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		36-5/8 X 48-3/4 X 43-1/4	1, 930 1, 558	14	9	20, 21 22, 23
67 68	PA 93 CNTR, PALLET UNIT		40 × 56 × 51-1/8	2, 137	15	9	36,37
69	PA93 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT) PA94 CNTR, PALLET UNIT		40 X 56 X 42-1/8 35-1/2 X 46-3/4 X 49-7/8	1,723	15 16	9	38,39 20,21
70	PA94 CNTR, PALLET UNIT (DECREASED-HEIGHTUNIT)		35-1/2 X 46-3/4 X 43-5/8	1,269	16	9	22, 23
71 72	PA95 CNTR, PALLET UNIT PA95 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		38-5/8 X 50 X 48-7/8 38-5/8 X 50 X 41-3/4	1, 839 1, 539	17 17	9	48, 49 50, 51
73	PA 96 CNTR, PALLET UNIT		36-1/8 X 48 X 51-1/8	1, 783	18	10	20, 21
74 75	PA96 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT) PA97 CNTR, PALLET UNIT		36-1/8 X 48 X 43-5/8	1,498	18 19	10	22, 23
76	PA97 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		41-3/4 X 50 X 52-5/8 41-3/4 X 50 X 37-1/8	1, 919 1, 320	19	10 10	48, 49 50, 51
77	PA99 CNTR, PALLET UNIT		35 X 46-1/2 X 49-5/8	1,715	20	10	20, 21
78 79	PA99 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT) PA100 CNTR, PALLET UNIT	1	35 X 46-1/2 X 42-3/8 36 X 48-1/2 X 51-3/4	1, 442 1, 478	20 21	10 10	22, 23 20, 21
80	PA 100 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		36 X 48-1/2 X 38-5/8	1, 077	21	10	22, 23
81 82	PA 103 CNTR, PALLET UNIT PA 106 CNTR, PALLET UNIT		38 X 47-3/4 X 36-1/4 40-5/8 X 55 X 48-7/8	1, 418 2, 186	22 23	10 11	22,23
83	PA 106 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		40-5/8 X 55 X 41-3/4	1,681	23	11	48, 49 50, 51
84 85	PA 107 CNTR, PALLET UNIT PA 107 CNTR, PALLET UNIT (DECREASED-HEIGHT UNIT)		35-1/4 X 45-3/4 X 48-7/8	1,540	24	11	20, 21
	Sirmy make our (becomber intell ONII)	1	35-1/4 X 45-3/4 X 41-3/4	1, 407	24	11	22, 23
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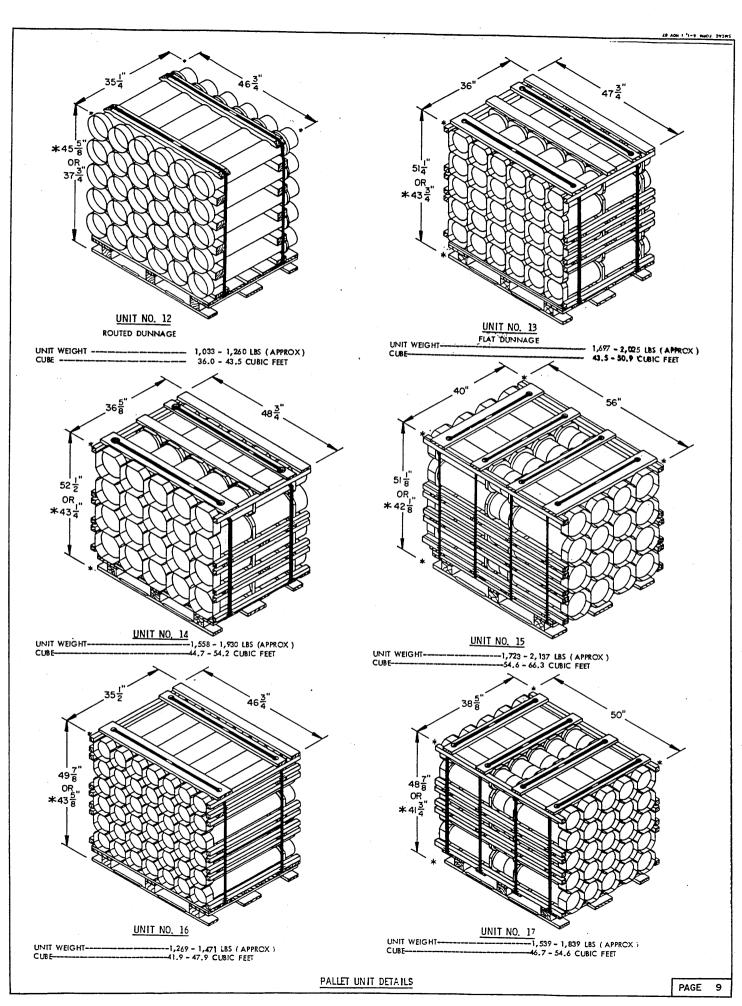


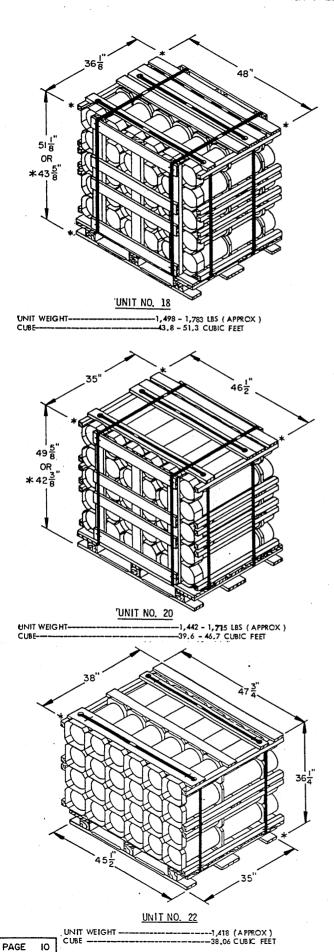


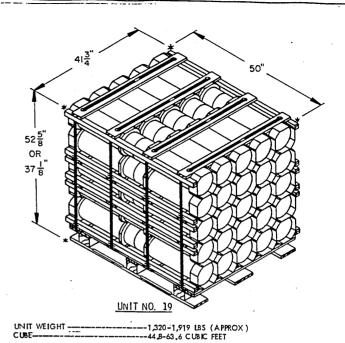






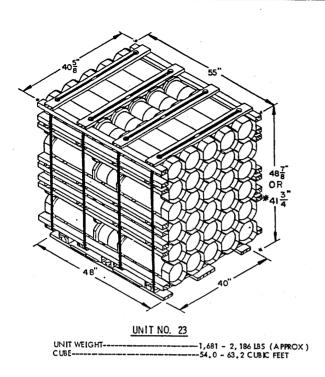


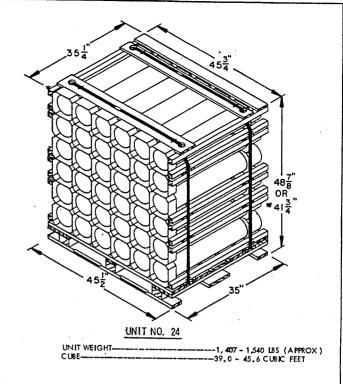


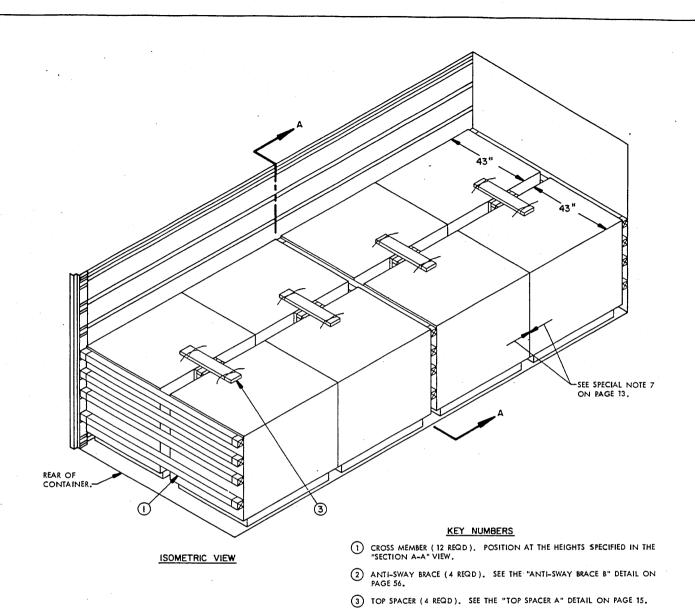


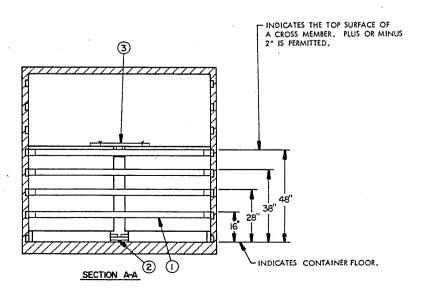
51 3 OR 38 5 UNIT NO. 21 -1,077 - 1,478 LBS (APPROX) UNIT WEIGHT

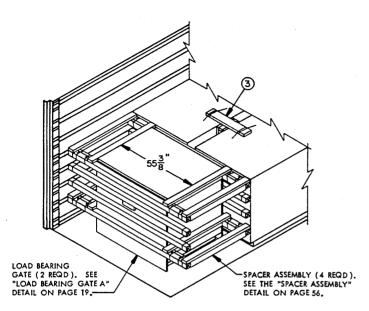
CUBE-











ALTERNATIVE LOADING PATTERN A

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

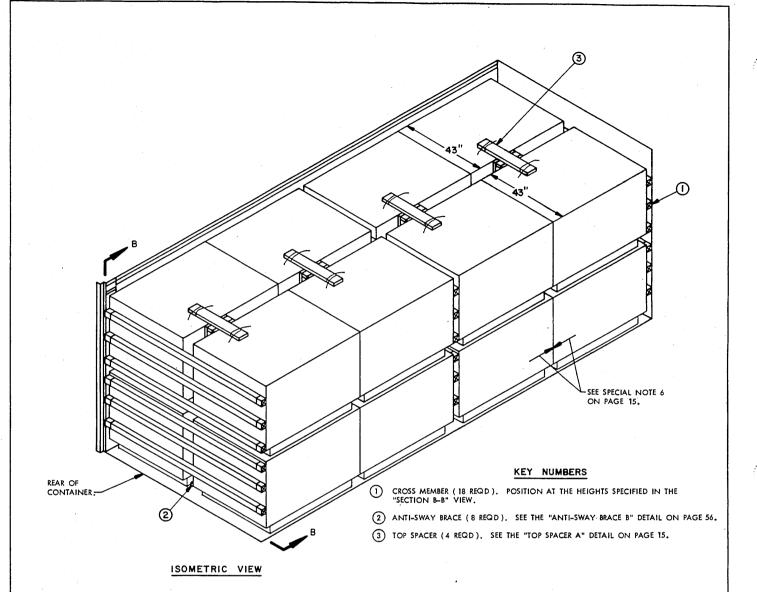
MATERIAL LUMBER LINEAR FEET BOARD FEET 2" X 4" 2" X 6" 18 18 NAIIS NO. REQD POUNDS 10d (3") 104 1-1/2NO. 14 GAGE WIRE ------ 16' REQD ----- NIL CROSS MEMBER -12 REQD

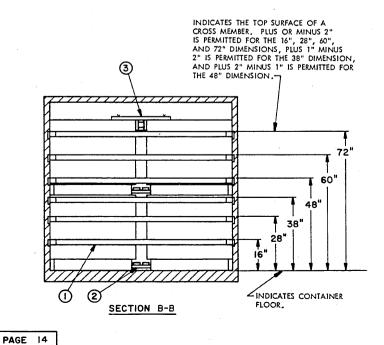
SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" SECTION ON PAGES 12 AND 13
 ARE BASED ON THE 16-CONTAINER, PALLET UNIT NO. 1 SHOWN ON PAGE 4,
 WITH A UNIT WEIGHT OF 2, 123 POUNDS. IF A HEAVIER UNIT IS OUTLOADED,
 THE METHOD SPECIFIED IN THE "ALTERNATIVE LOADING PATTERN A" DETAIL MAY
 BE REQUIRED, TO CONFORM TO "CAPABILITY FACTORS" AS DIRECTED BY GENERAL
 NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT
 BE EXCEEDED. SEE SPECIAL NOTES 2 AND 3.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM OR NEAR THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN A" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE "ALTERNATIVE LOADING PATTERN A" DETAIL WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.
- 4. THE SPACER ASSEMBLY 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. SEE "SPACER ASSEMBLY SECUREMENT" DETAIL ON PAGE 56. SEE SPECIAL NOTE 5 BELOW.
- 5. WHEN INSTALLING SPACER ASSEMBLIES IN THE LOAD, 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 100 AND OVER THE WIRE, OR WITH A STRAP STAPLE. THE NAIL MAY BE DRIVEN INTO THE SIDE OR TOP OF A SPACER ASSEMBLY STRUT.
- 6. THESE PROCEDURES CAN ALSO BE USED WHEN OUTLOADING THE 16-CONTAINER PALLET UNIT NO. 8 SHOWN ON PAGE 7, WITH A UNIT WEIGHT OF 1,860 POUNDS
- 7. ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.

LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 6).

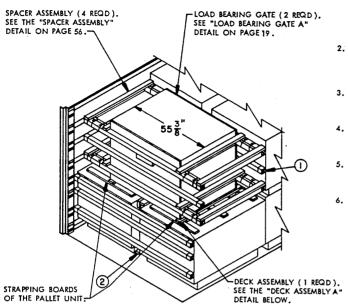
TOTAL GROSS WEIGHT ----- 22,790 LBS





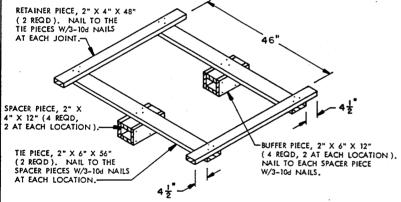
SPECIAL NOTES

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 14 AND 15 ARE BASED ON THE 12-CONTAINER, PALLET UNIT NO. 1 SHOWN ON PAGE 4, WITH A UNIT WEIGHT OF 1, 623 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED,
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN B" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.
- 4. THE TOP SPACER NEED NOT BE FABRICATED FOR A "DRIVE" FIT, 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.
- THESE PROCEDURES CAN ALSO BE USED WHEN OUTLOADING THE 12-CONTAINER PALLET UNIT NO. 8 SHOWN ON PAGE 18, WITH A UNIT WEIGHT OF 1,398 POUNDS WHEN THEY ARE PALLETIZED ON FLAT DUNNAGE.
- 6. ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.

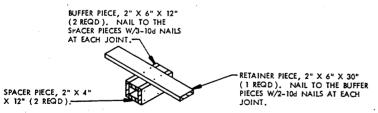


ALTERNATIVE LOADING PATTERN B

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.



DECK ASSEMBLY A

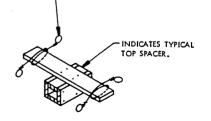


TOP SPACER A

SEE "TOP SPACER SECUREMENT" DETAIL AT RIGHT AND SPECIAL NOTE 4 ABOVE.

LUMBER	LINEAR FEET	BOARD FEET
2" X 4" 2" X 6"	86 18	58 18
NAILS	NO. REQD	POUNDS
104 (3")	128	2
WIRE, NO. 14 GAO	GE 16' REQD	NI

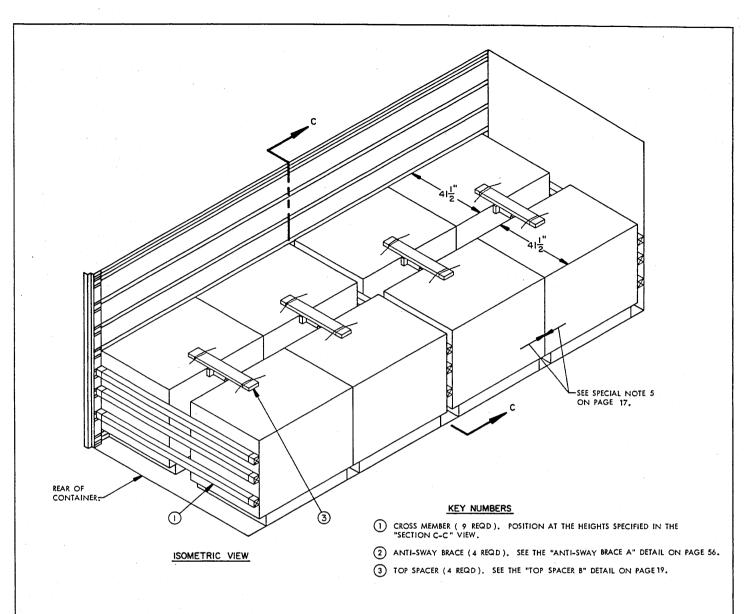
TIE WIRE, NO. 14 GAGE WIRE BY LENGTH
TO SUIT (2 REQD PER SPACER). INSTALL
WIRE TO FORM A COMPLETE LOOP AROUND
THE RETAINER PIECE. ATTACH EACH END
TO A PALLET UNIT UNITIZING STRAP. SECURE
TO THE RETAINER PIECE WITH A PARTIALLY
DRIVEN 10d NAIL BENT OVER THE WIRE, OR
WITH A STRAP STAPLE ON EACH WIRE.

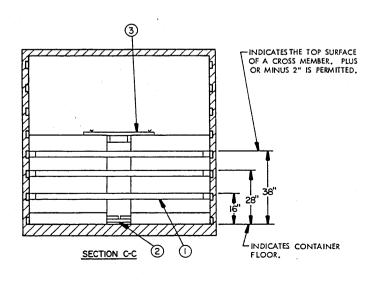


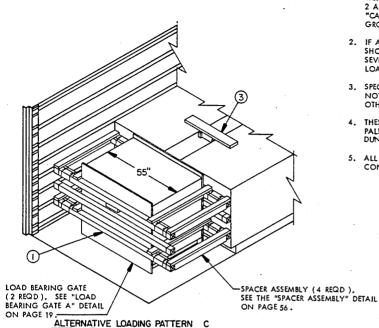
TOP SPACER SECUREMENT

LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 5).

TOTAL GROSS WEIGHT --- 31,822 LBS







THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

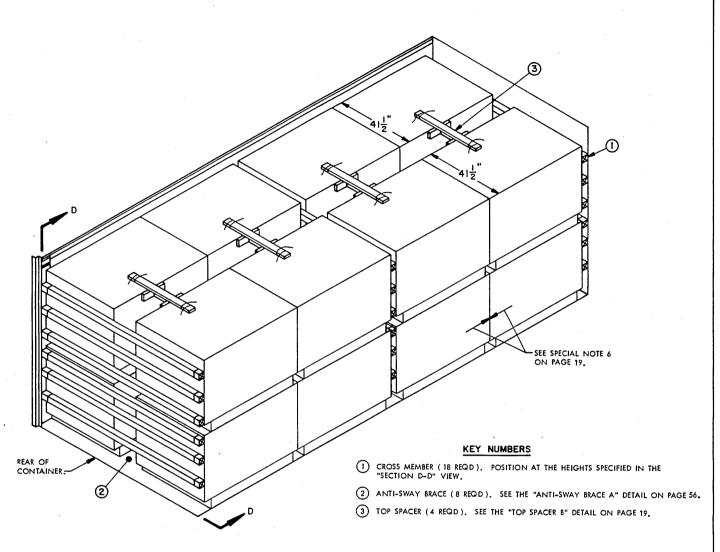
BILL OF MATERIAL LUMBER LINEAR FEET BOARD FEET 2" X 4" 2" X 6" 27 NAILS NO. REQD POUNDS 10d (3") 1-1/4 WIRE, NO. 14 GAGE ----- 16' REQD -----CROSS MEMBER ---9 REQD

SPECIAL NOTES:

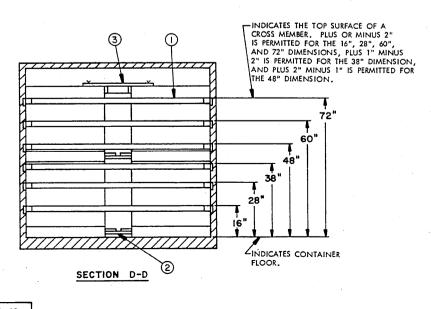
- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 16 AND 17 ARE BASED ON THE 50-CONTAINER, PALLET UNIT NO. 2 SHOWN ON PAGE 4, WITH A UNIT WEIGHT OF 1,749 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN C" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.
- 4. THESE PROCEDURES CAN ALSO BE USED WHEN OUTLOADING THE 16-CONTAINER PALLET UNIT NO. 7 SHOWN ON PAGE 6, WHEN THEY ARE PALLETIZED ON ROUTED DUNNAGE OR FLAT DUNNAGE.
- 5. ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.

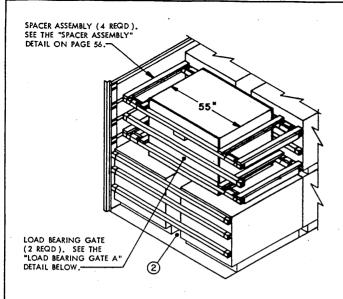
LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 4)

TOTAL GROSS WEIGHT ---- 19, 799 LBS



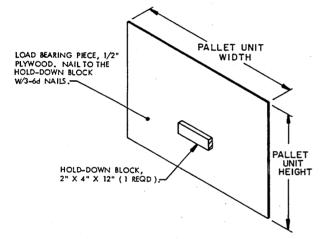
ISOMETRIC VIEW





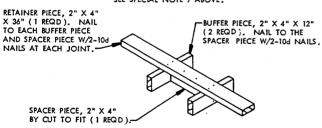
ALTERNATIVE LOADING PATTERN D

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.



LOAD BEARING GATE A

SEE SPECIAL NOTE 7 ABOVE.



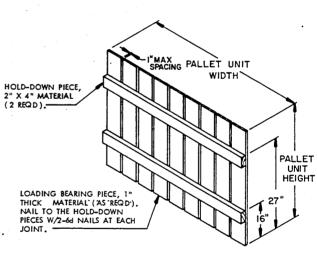
TOP SPACER B

SEE "TOP SPACER SECUREMENT" DETAIL ON PAGE 15 AND SPECIAL NOTE 4 ABOVE.

LUMBER	LINEAR FEET	BOARD FEET
2" X 4" 2" X 6"	56 54	37 54
NAILS	NO. REQD	POUNDS
10d (3")	104	2
WIRE, NO. 14 GAGE	16' REQD	NJ

SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 18 AND 19 ARE BASED ON THE 40-CONTAINER, PALLET UNIT NO. 2 SHOWN ON PAGE 4, WITH A UNIT WEIGHT OF 1,421 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN D" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS,
- 4. THE TOP SPACER NEED NOT BE FABRICATED FOR A "DRIVE" FIT, 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.
- 5. THESE PROCEDURES CAN ALSO BE USED WHEN OUTLCADING THE TWELVE-CONTAINER PALLET UNIT NO. 7 SHOWN ON PAGE 6, WITH A UNIT WEIGHT OF 1,444 POUNDS WHEN THEY ARE PALLETIZED ON ROUTED DUNNAGE.
- ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.
- 7. IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATES MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. SEE THE "ALTERNATIVE LOAD BEARING GATE A" DETAIL BELOW. THE HEIGHT OF THE HOLD-DOWN PIECES OR BLOCKS MUST BE ADJUSTED AS REQUIRED FOR THE DIFFERENT CROSS MEMBER LOCATIONS. A HOLD-DOWN PIECE OR BLOCK MUST BE LOCATED UNDER A CROSS MEMBER AS SHOWN IN THE LOAD VIEWS. RANDOM WIDTH MATERIAL MAY BE USED FOR THE SPECIFIED 1" THICK PIECE.

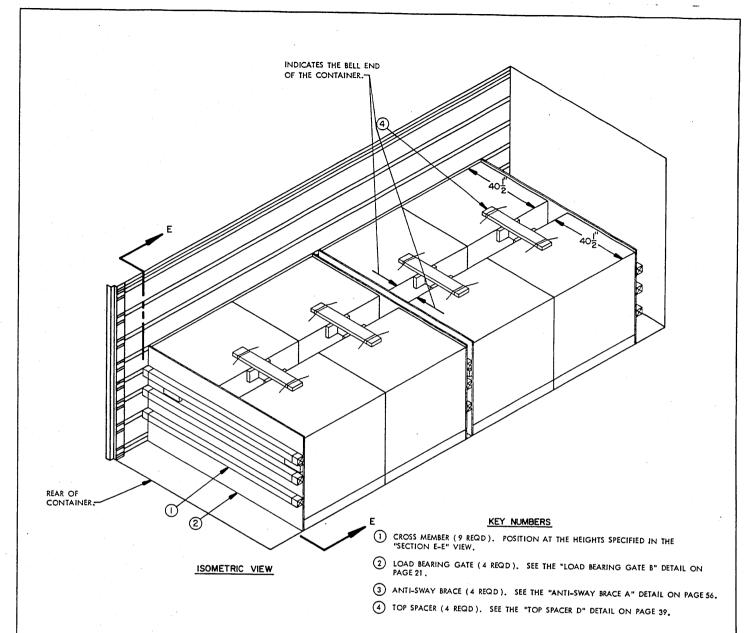


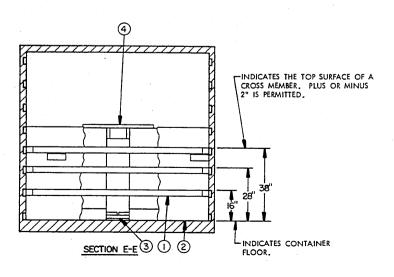
ALTERNATIVE LOAD BEARING GATE A

SEE SPECIAL NOTE 7 ABOVE.

LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 5).

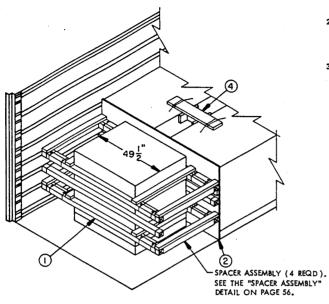
TOTAL GROSS WEIGHT ---- 28, 620 LBS





(SPECIAL NOTES CONTINUED)

4. IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATES MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. SEE THE "ALTERNATIVE LOAD BEARING GATE B" DETAIL BELOW. RANDOM WIDTH MATERIAL MAY BE USED FOR THE SPECIFIED 1" THICK PIECES.



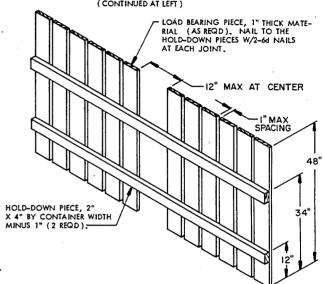
ALTERNATIVE LOADING PATTERN E

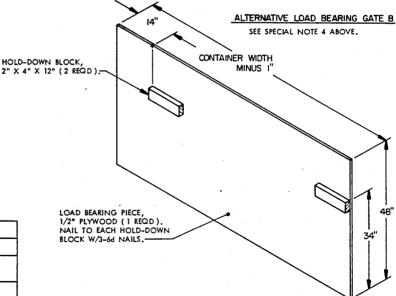
THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 20 AND 21 ARE BASED ON THE 42-CONTAINER, PALLET UNIT NO. 3 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1,433 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN E" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.

 (CONTINUED AT LEFT)





LOAD BEARING GATE B

SEE SPECIAL NOTE 4 ABOVE.

LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	24	16
2" X 6"	51	51
NAILS	NO. REQD	POUNDS
6d (2")	24	NIL
10d (3")	88	1-1/4

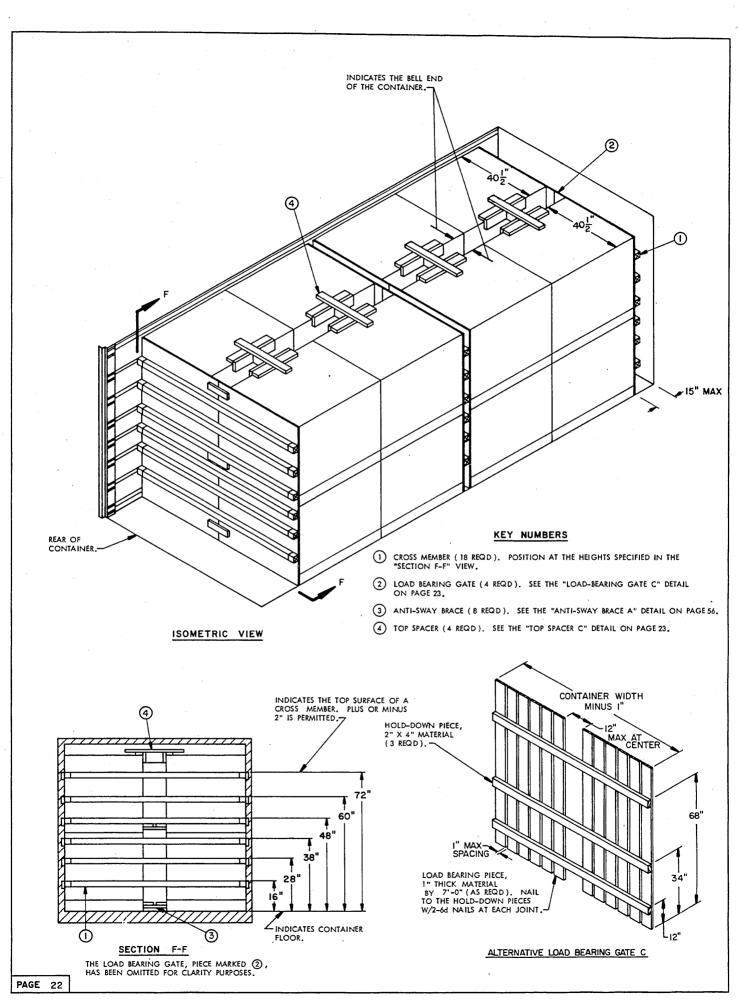
CROSS MEMBER -----

9 REQD

LOAD AS SHOWN (SEE SPECIAL NOTE 1).

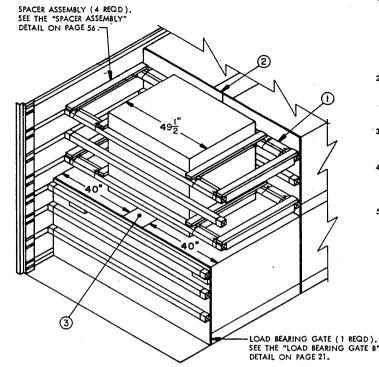
ITEM	QUANTITY	WEI	GHT	(APPROX)
DUNNAGE	8	303	LBS	

TOTAL GROSS WEIGHT -- 17,467 LBS



SPECIAL NOTES

- 1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 22 AND 23 ARE BASED ON THE 35-CONTAINER, PALLET UNIT NO. 3 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1,219 POUNDS, IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN F" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS
 OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.
- THE TOP SPACER NEED NOT BE FABRICATED FOR A "DRIVE" FIT, 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.
- 5. IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATES MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. STE THE "ALTERNATIVE LOAD BEARING GATE C" DETAIL ON PAGE 22. RANDOM WIDTH MATERIAL MAY BE USED FOR THE SPECIFIED 1" THICK PIECES.



ALTERNATIVE LOADING PATTERN F

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

BUFFER PIECE, 2" X 6" X 24"

(2 REQD). NAIL TO THE
SPACER PIECE W/3-10d NAILS
AND TO THE BEARING PIECES
AND SPACER PIECE W/2-10d
NAILS AT EACH JOINT.

BEARING PIECE,
2" X 4" X 24"

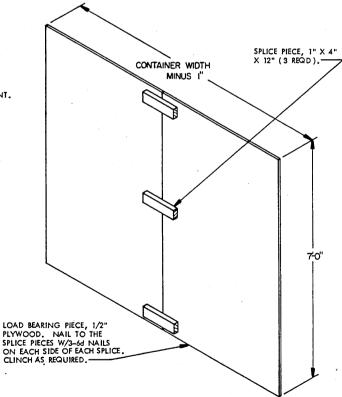
(2 REQD).

SPACER PIECE, 2" X 6"
BY CUI TO FII (1 REQD).

TOP SPACER C

SEE "TOP SPACER SECUREMENT" DETAIL ON PAGE 15.

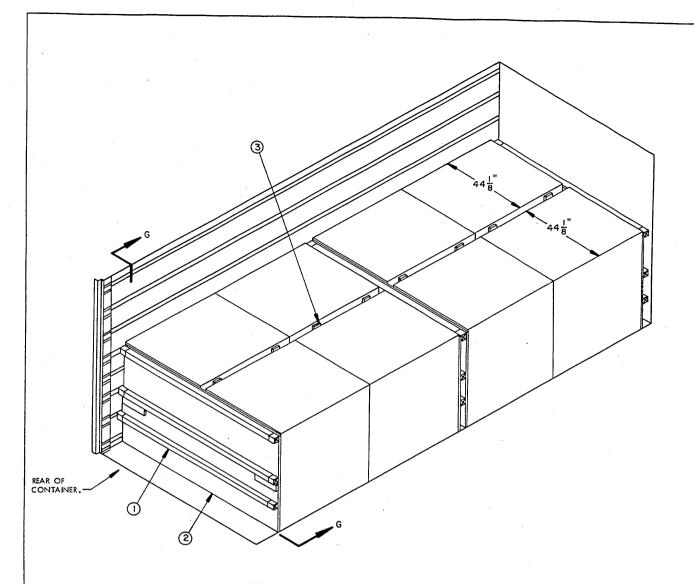
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	12	4
2" X 4"	58	39
2" X 6"	74	74
NAILS	NO. REQD	POUNDS
6d (2")	96	1/2
10d (3")	208	1/2 3-1/4
	210 SQ FT	



LOAD BEARING GATE C
SEE SPECIAL NOTE 5 ABOVE.

LOAD AS SHOWN (SEE SPECIAL NOTE 1)

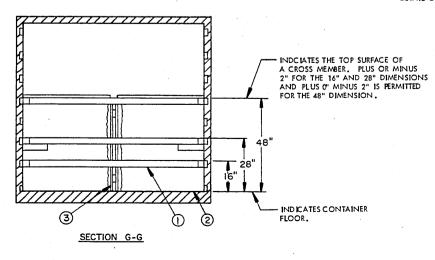
ITEM	QUANTITY	WEI	GHT	(APPROX)
DUNNA	UNIT	524	LBS	
	TOTAL GROSS WEIGHT	25.728	LBS	

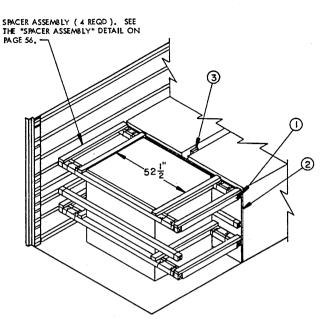


ISOMETRIC VIEW

KEY NUMBERS

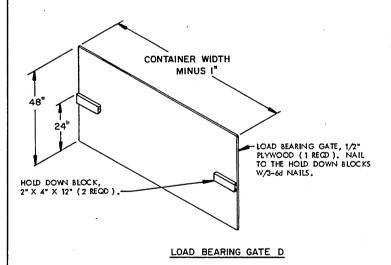
- (1) CROSS MEMBER (9 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION G-G" VIEW.
- \bigodot Load bearing gate (4 reqd). See the "load bearing gate D" detail on page 25.
- 3 ANTI-SWAY ASSEMBLY (4 REQD). SEE THE "ANTI-SWAY ASSEMBLY A" DETAIL ON PAGE 25.





ALTERNATIVE LOADING PATTERN G

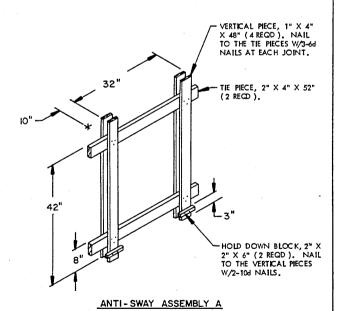
THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.



LUMBER	LINEAR FEET	BOARD FEET
1" X 4" 2" X 2" 2" X 4"	64 4 43	22 2 29
NAILS	NO. REQD	POUNDS
6d (2") 10d (3")	120 16	3/4 1/4
YWOOD, 1/2"	120 SQ . FT REQD	176 LBS

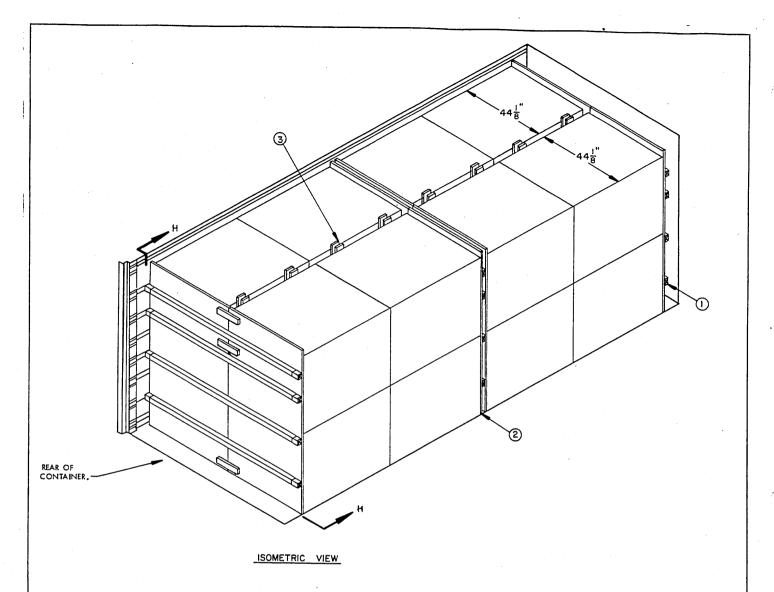
SPECIAL NOTES;

- THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 24 AND 25 ARE BASED ON THE 30-CONTAINER, PALLET UNIT NO. 4 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1, 870 LBS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2, A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN G" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.



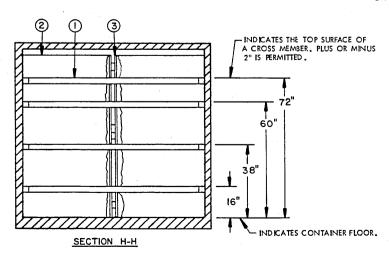
LOAD AS SHOWN

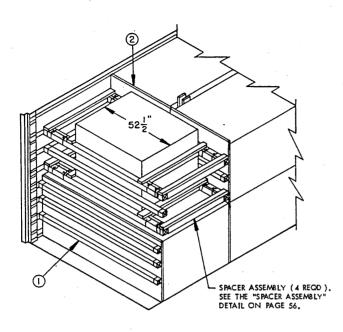
ITEM	QUANTITY	WEIGH	(APPROX)
DUNN	T UNIT	283	'LBS
	TOTAL GROSS WEIGHT	20, 943	LBS



KEY NUMBERS

- (1) CROSS MEMBER (12 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION H-H" VIEW.
- 2 LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE C" DETAIL ON PAGE 23.
- $\ensuremath{ \begin{tabular}{lll} \ensuremath{ \begin{tabular}{lll} \ens$





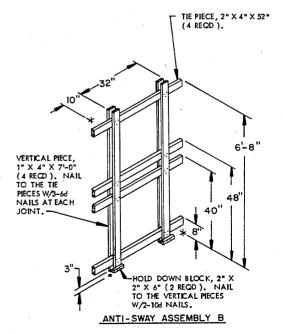
ALTERNATIVE LOADING PATTERN H

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

	BILL OF MATERIAL							
LUMBER	LINEAR FEET	BOARD FEET						
1" X 4" 2" X 2" 2" X 4"	124 4 70	42 2 46						
NAILS	NO. REQD	POUNDS						
6d (2") 10d (3")	264 16	1-1/2 1/4						
PLYWOOD, 1/2"	211 SQ. FT. REQD-	290 LBS						
CROSS MEMBER		12 RECD						

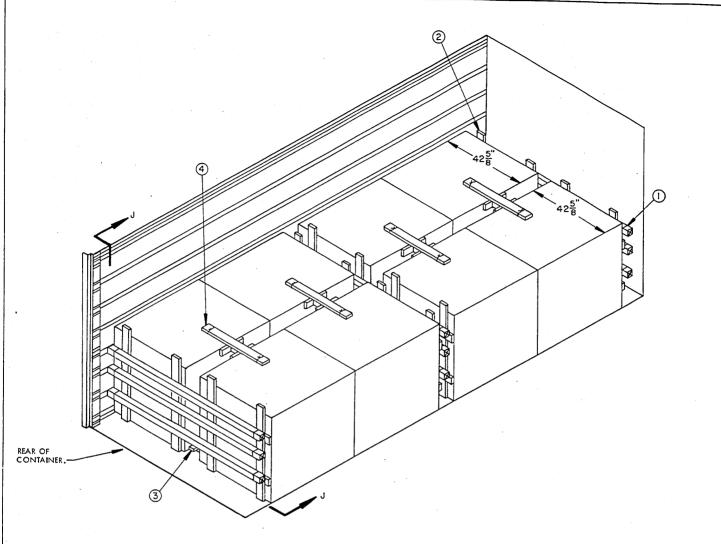
SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 26 AND 27 ARE BASED ON 24-CONTAINER, PALLET UNIT NO. 4 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1, 524 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SHECAL NOTES 2 AND 3 FOR THE ROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44, 800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN H" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.



LOAD AS SHOWN

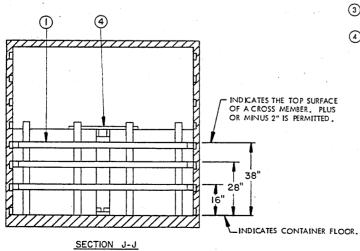
ITEM	QUANTITY	WEIGHT	(APPROX)
DUNNAGE -	16	476	LBS
	TOTAL GROSS WEIGHT	30,560	LBS

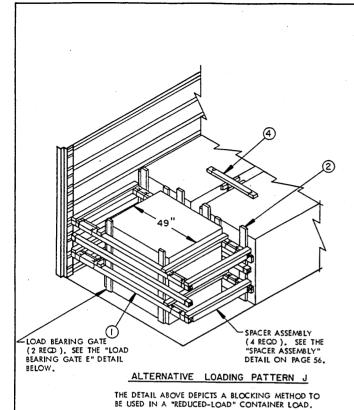


ISOMETRIC VIEW

KEY NUMBERS

- (1) CROSS MEMBER (9 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION J-J" VIEW.
- (2) LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE D" DETAIL ON PAGE 29.
- 3 ANTI-SWAY BRACE (4 REQD). SEE THE "ANTI-SWAY BRACE B" DETAIL ON PAGE 56.
- (4) TOP SPACER (4 RECD). SEE THE "TOP SPACER B" DETAIL ON PAGE 19.



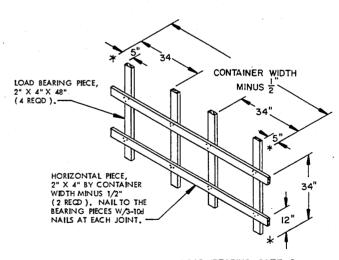


LOAD BEARING PIECE 2" X 4" X 48" (2 RECD). HORIZONTAL PIECE, 2" X 4" X 48" (2 RECD). NAIL TO THE LOAD BEARING PIECES W/3-10d NAILS AT EACH JOINT. LOAD BEARING GATE E

	BILL OF MATERIA	AL.
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	188	125
NAILS	NO. REQD	POUNDS
10d (3")	168	2-1/2
/IRE, NO. 14 GAC	SE12' RE	QDNIL
ROSS MEMBER		9 REQD

SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 28 AND 29 ARE BASED ON THE 24 -CONTAINER, PALLET UNIT NO. 4 (ALTERNATED) SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1, 820 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44, 800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN J" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.

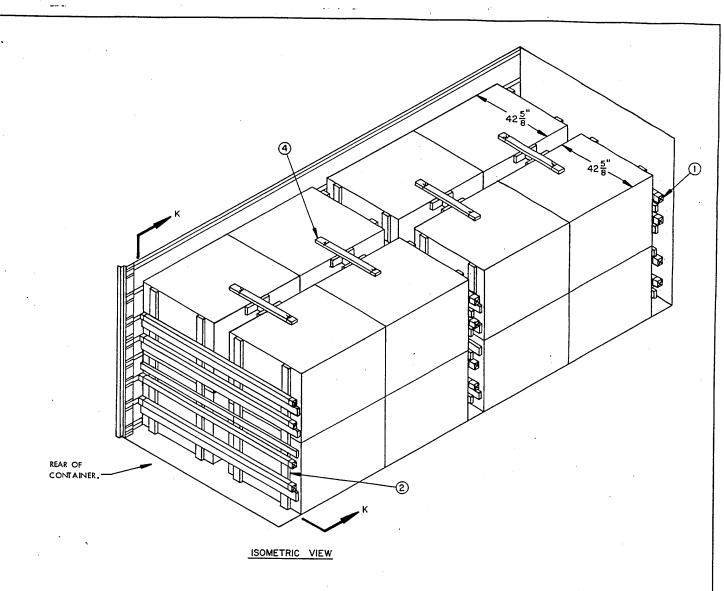


LOAD BEARING GATE D

LOAD AS SHOWN

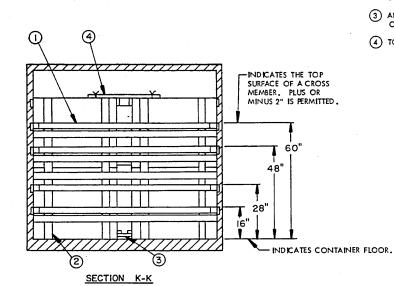
ITEM	QUANTITY	WEIGH	T (APPRO	×)
	NIT		60 LBS 53 LBS	
	IER			
	TOTAL COOSE WEIGHT	00 51		

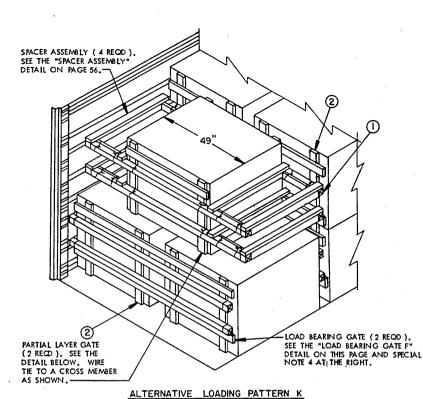
29



KEY NUMBERS

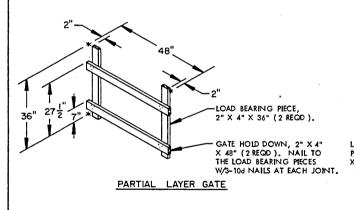
- (1) CROSS MEMBER (12 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION K-K" VIEW.
- \bigodot LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE F" DETAIL ON PAGE 31.
- (3) ANTI-SWAY BRACE (8 REQD). SEE THE "ANTI-SWAY BRACE B" DETAIL ON PAGE 56.
- 4 TOP SPACER (4 RECD). SEE THE "TOP SPACER B" DETAIL ON PAGE 19.



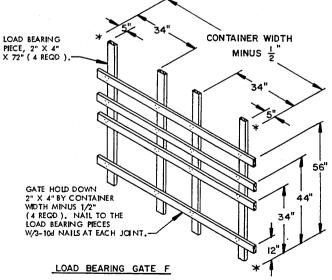


SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGE 30 AND 31 ARE BASED ON THE 18-CONTAINER, PALLET UNIT NO. 4 (ALTERNATED) SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1, 472 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN K" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS
 OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOAD.
- 4. FOR SHIPMENT OF FIFTEEN-UNIT LOADS AS DEPICTED IN THE DETAIL AT THE LEFT, TWO "LOAD BEARING GATES F" MUST BE MODIFIED BY OMITTING THE UPPER TWO GATE HOLD DOWN PIECES AND CHANGING THE LENGTH OF THE LOAD BEARING PIECES TO 36".

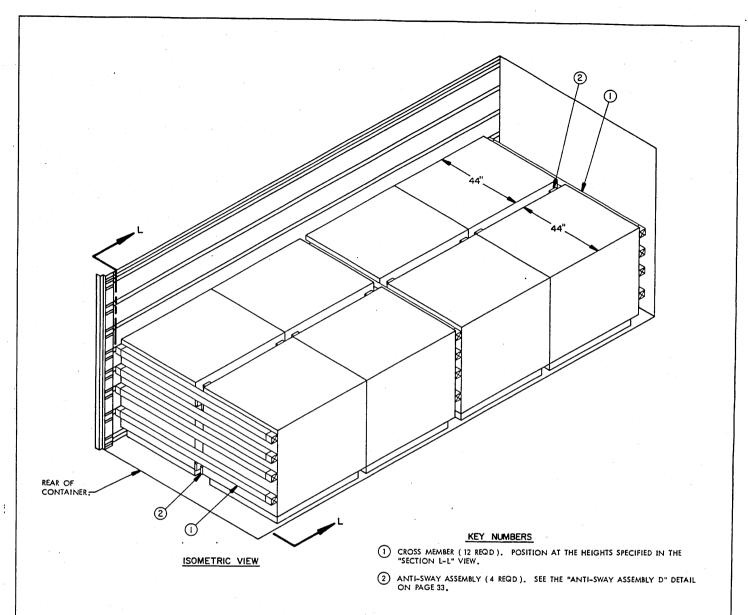


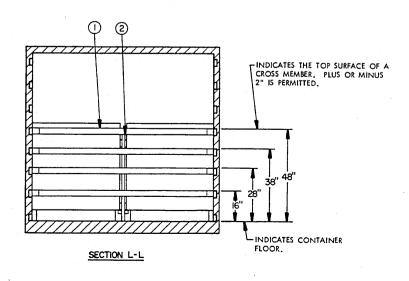
	1	
LUMBER	LINEAR FEET	BOARD FEET
2" X 4"	325	217
NAILS	NO. REQD	POUNDS
10d (3")	296	4-1/2
RE, NO. 14 GAGE	12' REQD-	NIL



LOAD AS SHOWN

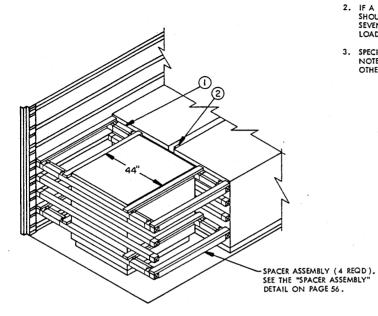
ITEM	QUANTITY	WEIGHT	(APPROX)
DUNNAC	N IT	439	LBS
	TOTAL GROSS WEIGHT	29, 691	IBS





SPECIAL NOTES:

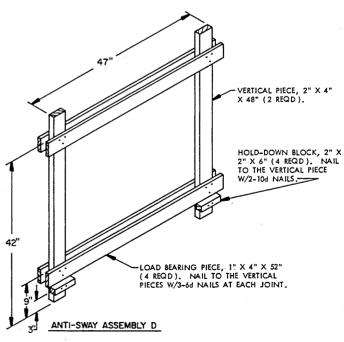
- 1. THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 32 AND 33 ARE BASED ON THE 50-CONTAINER, PALLET UNIT NO. 5 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1,779 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- If A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN L" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.



ALTERNATIVE LOADING PATTERN L

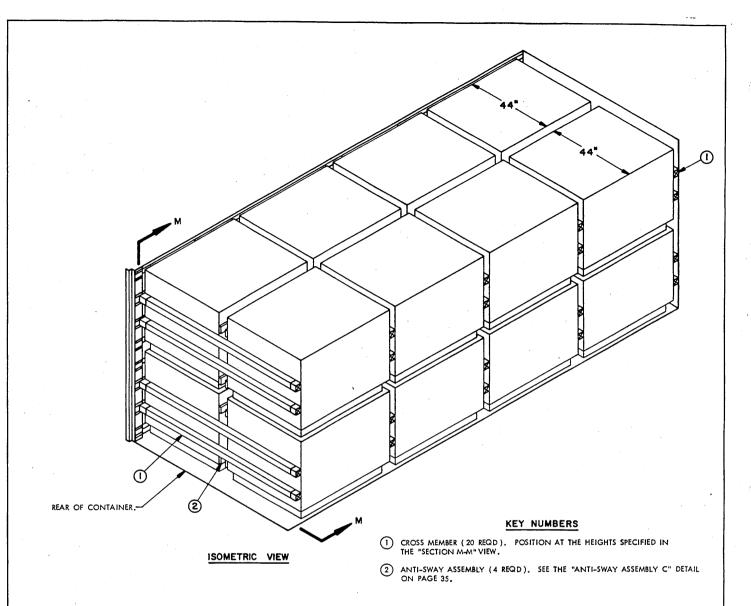
THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

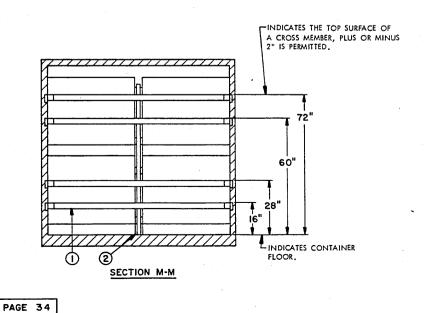
BILL OF MATERIAL			
LUMBER	LINEAR FEET	BOARD FEET	
1" X 4" 2" X 2" 2" X 4"	70 8 32	23 3 22	
NAILS	NO. REQD	POUNDS	
6d (2") 10d (3")	96 32	1/2 1/2	

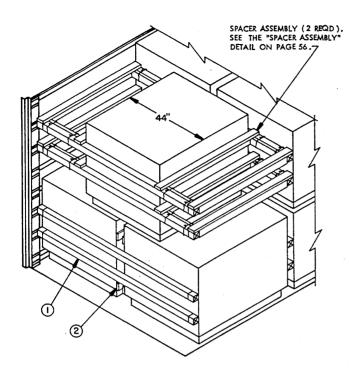


LOAD AS SHOWN (SEE SPECIAL NOTE 1).

ITEM	QUANTITY	WEI	GHT (APPROX)	,
DUNNAC	JNIT 8 GE NER	97	LBS	
	TOTAL GROSS WEIGHT	20, 029	LBS	





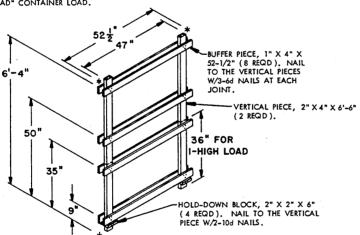


SPECIAL NOTES

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 34 AND 35 ARE BASED ON THE 40-CONTAINER, PALLET UNIT NO. 5 SHOWN ON PAGE 5, WITH A UNIT WEIGHT OF 1, 444 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN M" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.

ALTERNATIVE LOADING PATTERN M

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

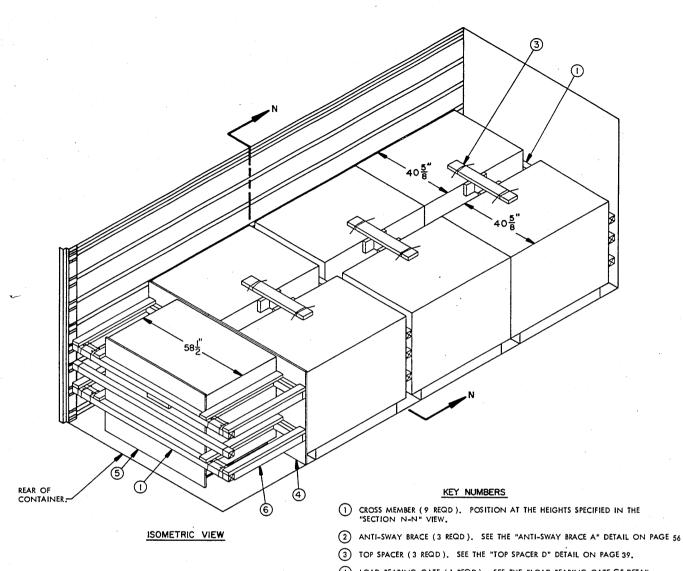


ANTI-SWAY ASSEMBLY C

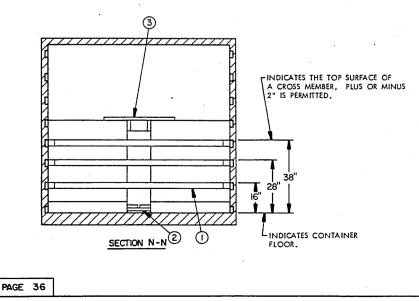
BILL OF MATERIAL			
LUMBER	LINEAR FEET	BOARD FEET	
1" X 4" 2" X 2" 2" X 4"	140 8 52	47 3 35	
NAILS	NO. REQD	POUNDS	
6d (2") 10d (3")	192 32	1-1/4	

LOAD AS SHOWN (SEE SPECIAL NOTE 1).

TOTAL GROSS WEIGHT -28, 976 LBS



- (4) LOAD BEARING GATE (1 REQD). SEE THE "LOAD BEARING GATE G" DETAIL ON PAGE 37.
- (5) LOAD BEARING GATE (1 REQD). SEE THE "LOAD BEARING GATE A" DETAIL ON PAGE 19.
- 6 SPACER ASSEMBLY (4 REQD). SEE THE "ALTERNATIVE SPACER ASSEMBLY" DETAIL ON PAGE 37. NAIL TO LOAD BEARING GATE E W/2-10d NAILS AT EACH JOINT.



- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 36 AND 37 ARE BASED ON THE 32-CONTAINER, PALLET UNIT NO. 6 SHOWN ON PAGE 6, WITH A UNIT WEIGHT OF 1,872 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTE 2 FOR PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE CONTAINER. FOR EXAMPLE, IF ONLY SIX UNITS ARE TO BE LOADED, THE REARWARD MOST PALLET UNIT SHOULD BE ELIMINATED. CROSS MEMBERS AND DUNNAGE MUST BE ADJUSTED AS REQUIRED.
- 3. THE SPACER ASSEMBLY NEED NOT BE FABRICATED FOR A "DRIVE" FIT. ASSEMBLY SHOULD BE FABRICATED SO THAT IT CAN BE EASILY INSTALLED. HOW-EVER, 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. SEE "SPACER ASSEMBLY SECUREMENT" DETAIL ON PAGE 56.
- WHEN INSTALLING SPACER ASSEMBLIES IN THE LOAD. ONE END MUST BE WIRE WHEN INSTALLING SPACER ASSEMBLIES IN THE LOAD, ONE END MOST BE WIRE 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 ES SECURED TO THE SPACER ASSEMBLY WITH A PARTIALLY DRIVEN 110 ANAIL BENT OVER THE WIRE, OR WITH A STRAP STAPLE. THE NAIL MAY BE DRIVEN INTO THE SIDE OR TOP OF A SPACER ASSEMBLY STRUT.
- IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATES MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. SEE THE "ALTERNATIVE LOAD BEARING GATE E" DETAIL BELOW. RANDOM WIDTH MATERIAL MAY BE USED FOR THE SPECIFIED 1" THICK PIECES, PROVIDING THE SPACING BETWEEN THE BOARDS DOES NOT EXCEED ONE-INCH (1") AND PROVIDING A FULL HEIGHT BEARING SURFACE FOR THE PROPELLING CHARGE CONTAINERS IS MAINTAINED AS SPECIFIED.

" X 4" X 16" (4 REQD).

LOAD BEARING GATE G LOAD BEARING GATE, 1/2" PLYWOOD (1 REQD). NAIL TO THE SPACER ASSEMBLY LEDGER W/5-64 NAILS AND TO THE GATE HOLD-DOWN W/3-64 NAILS. CLINCH SEE SPECIAL NOTE 5 AT THE RIGHT. VERTICAL, 2" X 4" X 48" AS REQUIRED (4 REQD). LOAD BEARING PIECE, 1" THICK MATERIAL AS REOD). NAIL TO THE VERTICALS CONTAINER WIDTH (AS REOD) MINUS I W/2-6d NAILS AT EACH JOINT. LEDGER, 2" X 2" X 16"
(4 REQD). NAIL TO THE
VERTICALS W/2-10d NAILS.

CONTAINER WIDTH

48

16

GATE HOLD-DOWN

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

CROSS MEMBER ----

ALTERNATIVE LOAD BEARING GATE G

2" X 2" X 12" (2 REQD).—

MINIUS I

	BILL OF MATERIAL	-
LUMBER	LINEAR FEET	BOARD FEET
2" X 2" 2" X 4" 2" X 6"	2 85 38	1 55 38
NAILS	NO. REQD	POUNDS
6d (2") 10d (3")	29 140	1/4 2-1/4

FABRICATE TO FIT BETWEEN CONTAINER SIDE WALL RETAINER PIECE, 2" X 4" BY CUT-TO-FIT IN LENGTH (2 REQD). NAIL TO THE STRUTS W/1-10d NAIL AT EACH AND PALLET UNIT. JOINT AND TO THE BUFFER PIECE W/4-10d NAILS. BUFFER PIECE, 2" X 4"
BY CUT-TO-FIT IN
LENGTH (2 REQD).
NAIL TO THE STRUTS STRUT.2" X 4" BY CUT-TO-FIT IN LENGTH (2 REQD): W/2-10d NAILS AT EACH JOINT. GATE AND INSTALLED CROSS MEMBERS. 2

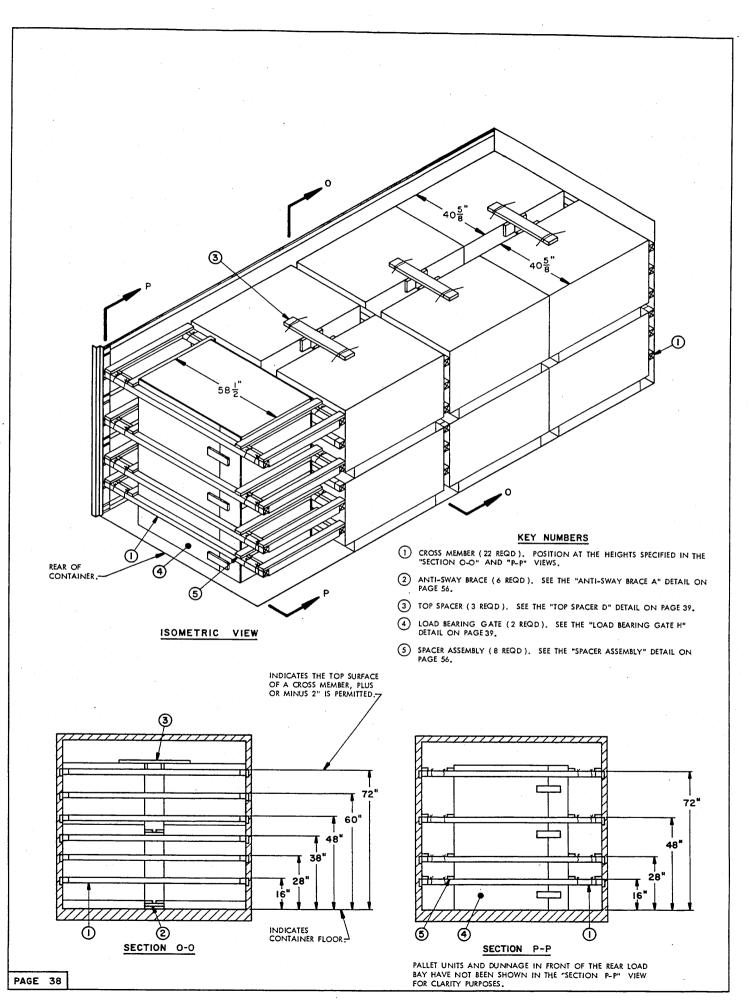
ALTERNATIVE SPACER ASSEMBLY (2" X 4" MATERIAL).

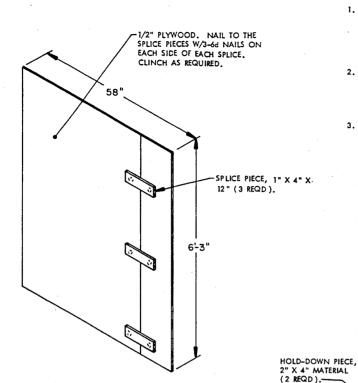
SEE SPECIAL NOTES 3 AND 4.

LOAD AS SHOWN (SEE SPECIAL NOTE 1).

QUANTITY WEIGHT (APPROX) ITEM 13, 104 LBS PALLET UNIT -DINNAGE -CONTAINER --TOTAL GROSS WEIGHT ---- 19,064 LBS

37





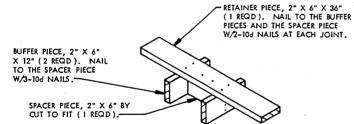
- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 38 AND 39 ARE BASED ON THE 24-CONTAINER, PALLET UNIT NO. 6 SHOWN ON PAGE 6 WITH A UNIT WEIGHT OF 1, 431 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY THIRTEEN UNITS ARE TO BE LOADED, THE REARWARD MOST SECOND LAYER PALLET UNIT SHOULD BE ELIMINATED. CROSS MEMBERS AND DUNNAGE MUST BE ADJUSTED AS REQUIRED.
- 3. IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATES MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. SEE THE "ALTERNATIVE LOAD BEARING GATE F" DETAIL BELOW. RANDOM WIDTH MATERIAL MAY BE USED FOR THE SPECIFIED 1" THICK PIECES.

LOAD BEARING GATE H

SEE SPECIAL NOTE 3 AT THE RIGHT.

LOAD BEARING PIECE,

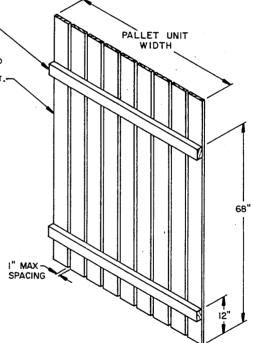
1" THICK MATERIAL BY 6'-0"
LONG (AS REOD). NAIL TO
THE HOLD-DOWN PIECES
W/2-6 NAILS AT EACH JOINT.-



TOP SPACER D

SEE "TOP SPACER SECUREMENT" DETAIL ON PAGE 29.

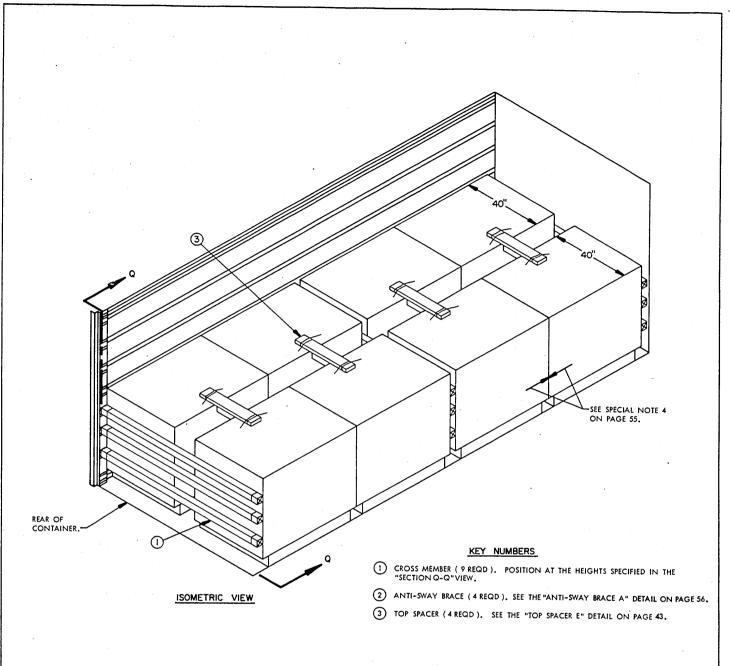
BILL OF MATERIAL			
LUMBER	LINEAR FEET	BOARD FEET	
1" X 4" 2" X 4" 2" X 6"	6 134 18	2 90 18	
NAILS	NO. REQD	POUNDS	
6d (2") 10d (3")	36 222	1/4 3-1/2	

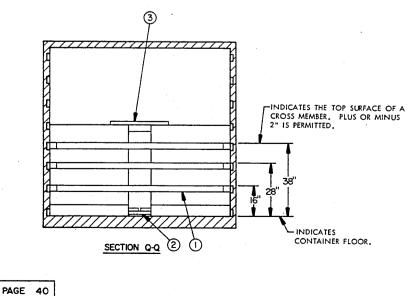


ALTERNATIVE LOAD BEARING GATE H

LOAD AS SHOWN (SEE SPECIAL NOTE 1).

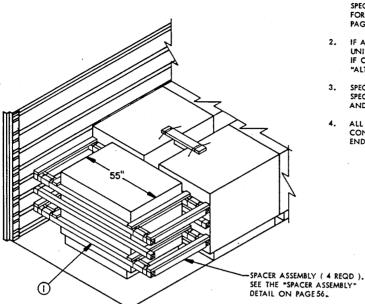
TOTAL GROSS WEIGHT -- 26,042 LBS







- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 40 AND 41 ARE BASED ON THE 16-CONTAINER, PALLET UNIT NO. 8 SHOWN ON PAGE 7 WITH A UNIT WEIGHT OF 2,005 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN N" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.
- ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.



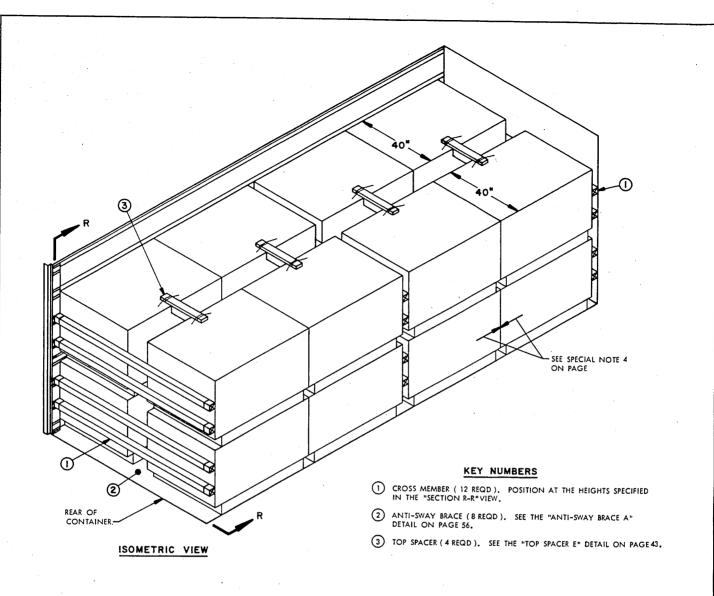
ALTERNATIVE LOADING PATTERN N

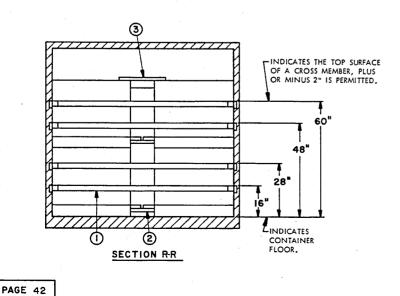
THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

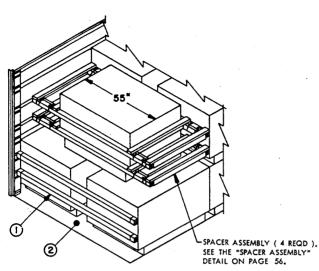
	BILL OF MATERIA	L
LUMBER	LINEAR FEET	BOARD FEET
2" X 4" 2" X 6" 4" X 4"	24 27 4	16 27 5
NAILS	NO. REQD	POUNDS
10d (3")	40	3/4
WIRE, NO. 14 GAGE	16' REQD	NIL
CROSS MEMBER		9 REQD

LOAD AS SHOWN (SEE SPECIAL NOTE 1).

TOTAL GROSS WEIGHT --- 21, 837 LBS

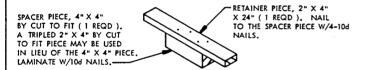






ALTERNATIVE LOADING PATTERN O

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.



TOP SPACER E

SEE "TOP SPACER SECUREMENT" DETAIL ON PAGE 15.

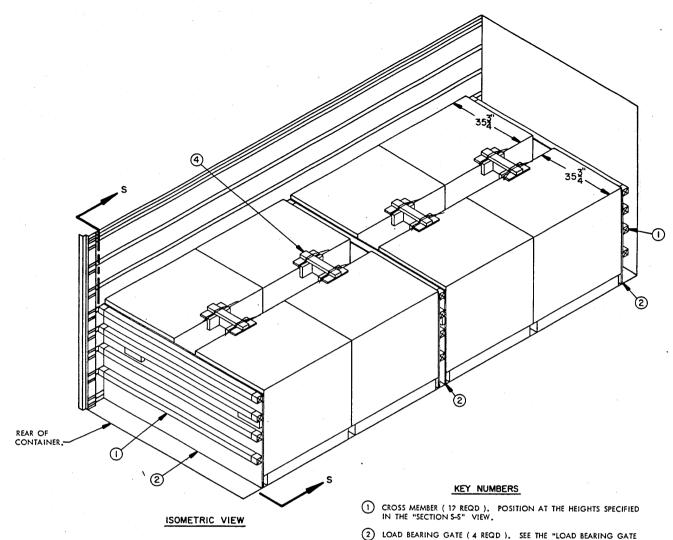
BILL OF MATERIAL				
LUMBER	LINEAR FEET	BOARD FEET		
2" X 4" 2" X 6" 4" X 4"	40 54 4	27 54 6		
NAILS	NO. REQD	POUNDS		
10d (3")	88	. 1-1/4		
WIRE, NO. 14 GAGE	16' REQD	NIL		
CROSS MEMBER		12 REQ		

SPECIAL NOTES:

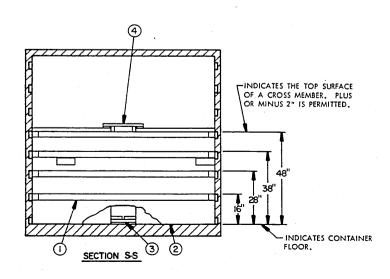
- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 42 AND 43 ARE BASED ON THE 12-CONTAINER, PALLET UNIT NO. 8 SHOWN ON PAGE 7 WITH A UNIT WEIGHT OF 1,525 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE: "ALTERNATIVE LOADING PATTERN O" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.
- 4. ALL LONGITUDINALLY ADJACENT PALLET UNITS WILL BE POSITIONED IN THE CONTAINER WITH BASE END AGAINST BASE END OR BELL END AGAINST BELL END.

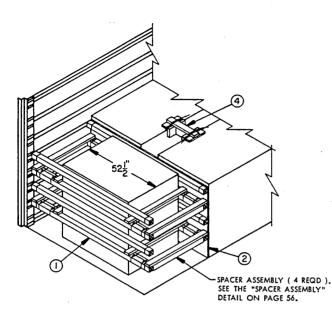
LOAD AS SHOWN (SEE SPECIAL NOTE 1).

TOTAL GROSS WEIGHT ---- 30, 275 LBS



- (2) LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE B" DETAIL ON PAGE 21 AND SPECIAL NOTE 4 ON PAGE 45.
- (3) ANTI-SWAY BRACE (4 REQD). SEE THE "ANTI-SWAY BRACE A" DETAIL ON PAGE 56.
- $\begin{tabular}{ll} \begin{tabular}{ll} \beg$





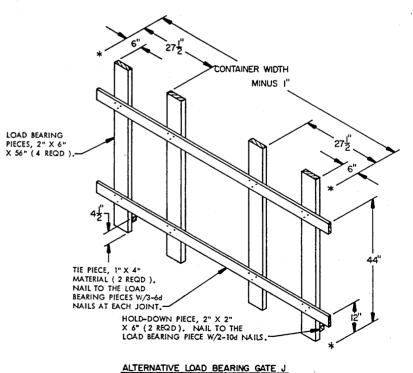
ALTERNATIVE LOADING PATTERN P

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

BILL OF MATERIAL LUMBER LINEAR FEET BOARD FEET 1" X 4" 2" X 4" 31 20 2" X 6" 39 NAILS NO. REQD POUNDS 6d (2") 80 PLYWOOD, 1/2"----- 120 SQ. FT. REQD ------WIRE, NO. 14 GAGE ----- 16' REQD -----

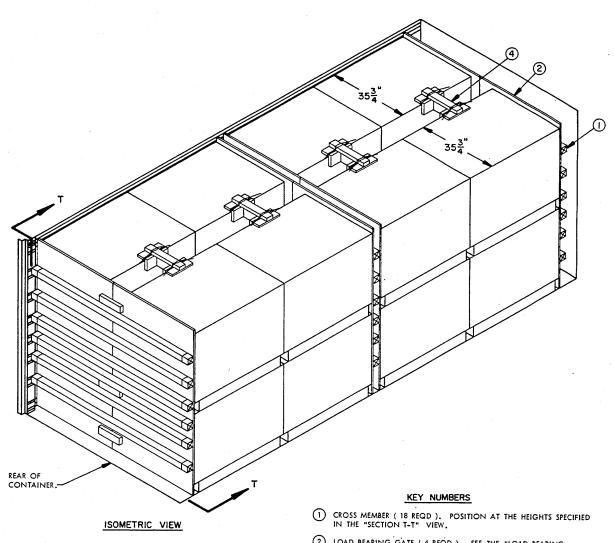
SPECIAL NOTES:

- THE LOAD VIEWS AND THE LOAD AS SHOWN ON PAGES 44 AND 45 ARE BASED ON THE 30 -CONTAINER, PALLET UNIT NO. 9 SHOWN ON PAGE 7 WITH A UNIT WEIGHT OF 1,452 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN P" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD" AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.
- IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATE MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER. SEE THE "ALTERNATIVE LOAD BEARING GATE J " DETAIL BELOW.
- THESE PROCEDURES CAN ALSO BE USED WHEN OUTLOADING THE 30-CONTAINER PALLET UNIT NO. 11, SHOWN ON PAGE 8 , WITH A UNIT WEIGHT OF 1,726 $\,$

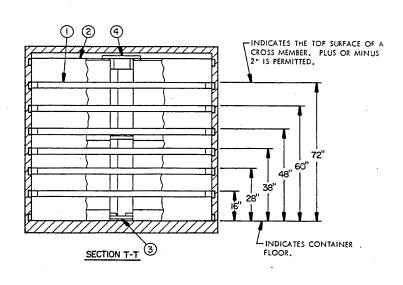


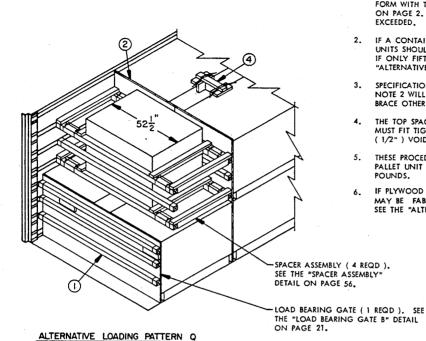
LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 5).

ITEM	QUANTITY	WEIGHT (APPROX)
DUNNAGE -	T 8	290 LBS
TC	OTAL GROSS WEIGHT -	17. 606 tps



- 2 LOAD BEARING GATE (4 REOD). SEE THE "LOAD BEARING GATE C" DETAIL ON PAGE 23.
- (3) ANTI-SWAY BRACF (8 REQD). SEE THE "ANTI-SWAY BRACE A" DETAIL ON PAGE 56.
- $\begin{tabular}{ll} \begin{tabular}{ll} \beg$





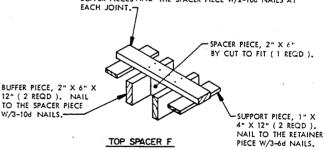
THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

LUMBER	LINEAR FEET	BOARD FEET	
1" X 4"	8	3	
2" X 4"	52	35	
2" X 6"	68	68	
NAILS	NO. REQD	POUNDS	
6d (2")	96	3/4	
10d (3")	120	2	
	16' REQD 210 SQ FT REQ		

SPECIAL NOTES:

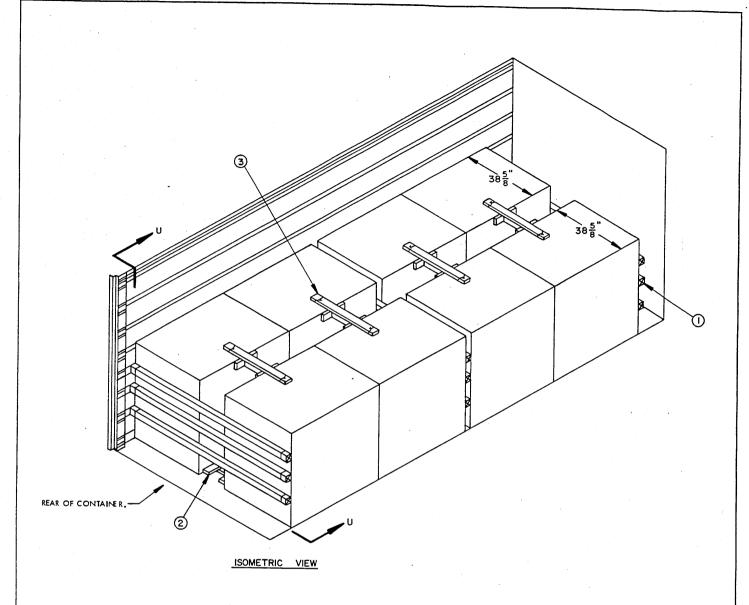
- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 46 AND 47 ARE BASED ON THE 24 CONTAINER, PALLET UNIT NO. 9 SHOWN ON PAGE 7 WITH A UNIT WEIGHT OF 1,266 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM WITH THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN Q" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD" AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.
- THE TOP SPACER NEED NOT BE FABRICATED FOR A "DRIVE" FIT, 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.
- THESE PROCEDURES CAN ALSO BE USED WHEN OUTLOADING THE 15-CONTAINER PALLET UNIT NO. 10 SHOWN ON PAGE 7 WITH A UNIT WEIGHT OF 1, 332 POUNDS.
- IF PLYWOOD IS NOT AVAILABLE OR IF DESIRED, THE LOAD BEARING GATE
 MAY BE FABRICATED FROM NOMINAL ONE-INCH AND TWO-INCH LUMBER.
 SEE THE "ALTERNATIVE LOAD BEARING GATE J" DETAIL ON PAGE 49.

RETAINER PIECE, 2" X 4" X 24" (1 REQD). NAIL TO THE BUFFER PIECES AND THE SPACER PIECE W/2-10d NAILS AT FACH IOINT —



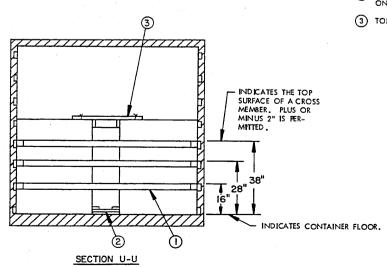
SEE "TOP SPACER SECUREMENT"
DETAIL ON PAGE 15 AND SPECIAL
NOTE 4 ABOVE.

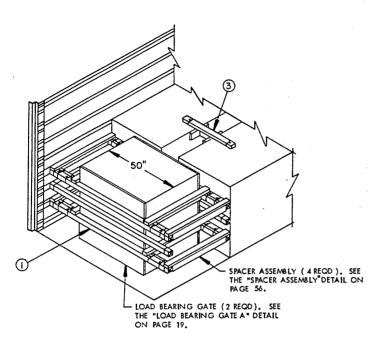
LOAD AS SHOWN (SEE SPECIAL NOTES 1 AND 5).



KEY NUMBERS

- \bigcirc CROSS MEMBER (9 REQD). POSITION AT THE HEIGHTS SPECIFED IN THE "SECTION U-U" VIEW.
- (2) ANTI-SWAY BRACE (4 REQD), SEE THE "ANTI-SWAY BRACE A" DETAIL ON PAGE 56.
- 3 TOP SPACER (4 REQD). SEE THE "TOP SPACER B" DETAIL ON PAGE 19.





ALTERNATIVE LOADING PATTERN R

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED-LOAD" CONTAINER LOAD.

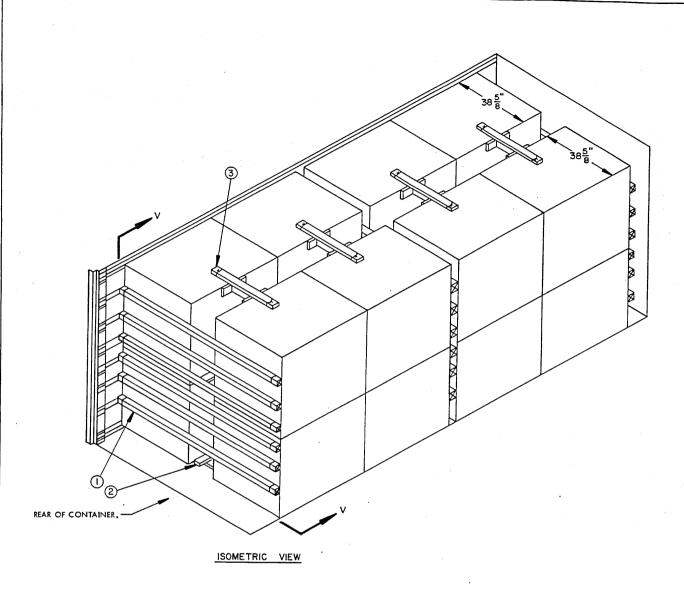
	BILL OF MATERIA	L
LUMBER	LINEAR FEET	BOARD FEET
2" X 4" 2" X 6"	28 39	19 39
NAILS	NO. REQD	POUNDS
10d (3")	62	1
WIRE, NO. 14 GA	GE12' REQD)NIL
CROSS MEMBER -		9 RECD

SPECIAL NOTES:

- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGE 48 AND 49 ARE BASED ON THE 50-CONTAINER, PALLET UNIT NO. 17 SHOWN ON PAGE 9, WITH A UNIT WEIGHT OF 1,839 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM WITH THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY SEVEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN R" DETAIL AT THE LEFT MUST BE APPLIED.
- SPECIFICATIONS FOR THE "BASIC LOAD" AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN EIGHT-UNIT LOADS.

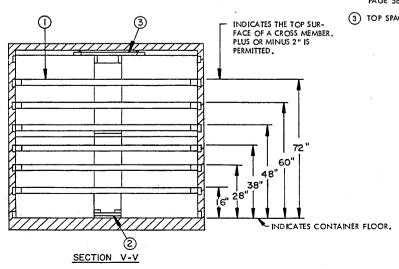
LOAD AS SHOWN

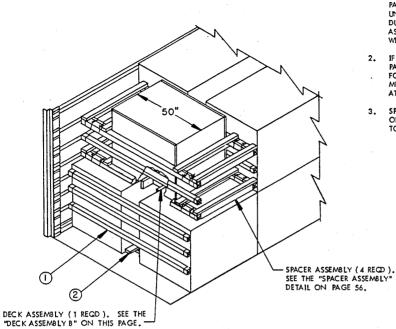
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET UNIT		14,712 LBS
DUNNAGE-		117 LBS
CONTAINER		5,700 LBS
TC	OTAL GROSS WEIGHT	20, 529 LBS



KEY NUMBERS

- (1) CROSS MEMBER (18 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION V-V" VIEW.
- $\ensuremath{ \textcircled{2}}$ anti-sway brace (8 reod). See the "anti-sway brace a"detail on page 56.
- 3 TOP SPACER (4 REQD). SEE THE "TOP SPACER B" DETAIL ON PAGE 19.





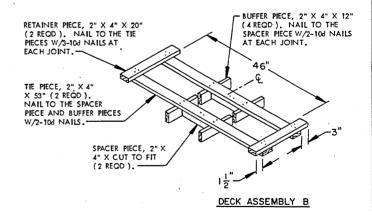
- 1. THE LOAD VIEWS AND THE "LOAD AS SHOWN ON PAGES 50 AND 51
 ARE BASED ON THE 40-CONTAINER, PALLET UNIT NO. 17 SHOWN ON PAGE 9, WITH A UNIT WEIGHT OF 1,539 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY FIFTEEN UNITS ARE TO BE LOADED, THE METHOD SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN S" DETAIL AT THE LEFT MUST BE APPLIED.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN -UNIT LOADS.

THE DETAIL ABOVE DEPICTS A BLOCKING METHOD TO BE USED IN A "REDUCED LOAD" CONTAINER LOAD.

LOADING PATTERN S

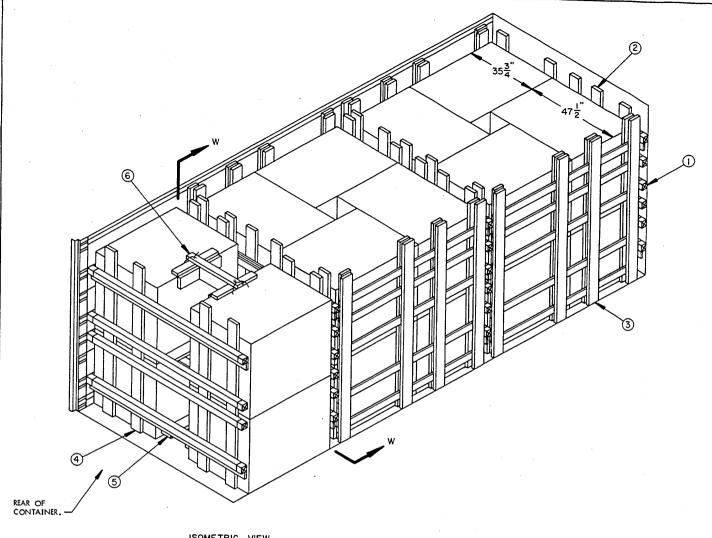
ALTERNATIVE

LUMBER	LINEAR FEET	BOARD FEET
2" X 4" 2" X 6"	44 66	30 66
NAILS	NO. REQD	POUNDS
104 (3")	104	1-1/2
WIRE, NO. 14 GAGE	12' REQD	NIL



LOAD AS SHOWN

<u>ITEM</u>	QUANTITY	WEIGHT	(APPROX)
DUNNAGE	16	194	LBS
TOTAL	GROSS WEIGHT	30 518	IRS

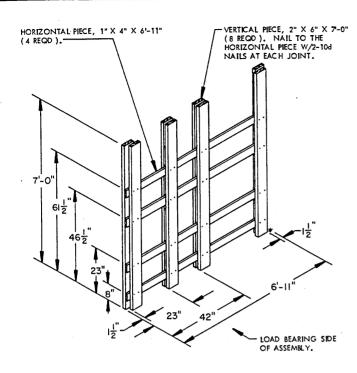


ISOMETRIC VIEW

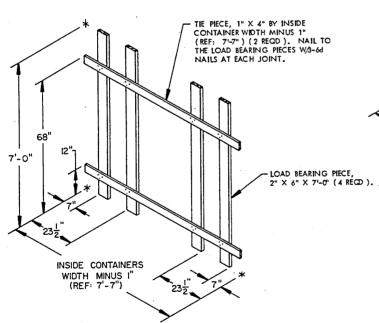
-INDICATES THE TOP SURFACE OF A CROSS MEMBER, PLUS OR MINUS 2" IS PERMITTED. 72" 60" 48" 38" 28" 16" L INDICATES SECTION W-W CONTAINER FLOOR.

KEY NUMBERS

- CROSS MEMBER (22 REQD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION W-W" VIEW.
- LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE K" DETAIL ON PAGE 53 AND GENERAL NOTE "G" ON PAGE 2.
- SIDE FILL ASSEMBLY (4 REQD). SEE THE "SIDE FILL ASSEMBLY A" DETAIL ON PAGE 53 AND GENERAL NOTE "M" ON PAGE 2.
- 4 LOAD BEARING GATE ($2\ \mbox{REQD}$). SEE THE "LOAD BEARING GATE L" DETAIL ON PAGE 53.
- ANTI-SWAY BRACE (2 REQD). SEE THE "ANTI-SWAY BRACE A" DETAIL ON PAGE 56. €
- TOP SPACER (I REQD). SEE THE "TOP SPACER C" DETAIL ON PAGE 23.

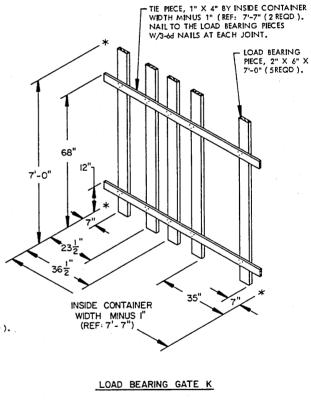


SIDE FILL ASSEMBLY A



SPECIAL NOTES:

- 1. THE CHIMNEY PATTERN LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 52
 AND 53 ARE BASED ON THE 18-CONTAINER, PALLET UNIT NO. 9 SHOWN ON PAGE
 7, WITH A UNIT WEIGHT OF 1,650 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE
 SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO
 THE "CAPABILITY FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A
 TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, PALLET UNITS SHOULD BE ELIMINATED FROM THE REAR OF THE LOAD. FOR EXAMPLE, IF ONLY NINETEEN UNITS ARE TO BE LOADED, A METHOD SIMILAR TO THAT SPECIFIED BY THE "ALTERNATIVE LOADING PATTERN O" DETAIL ON PAGE 47 MUST BE APPLIED. SEE GENERAL NOTE "N" ON PAGE 2.
- SPECIFICATIONS FOR THE "BASIC LOAD", AND FOR THE PROVISIONS OF SPECIAL NOTE 2. WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN TWENTY-UNIT LOADS.
- 4. THE TOP SPACER, PIECE MARKED (6), NEED NOT BE FABRICATED FOR A "DRIVE" FIT, 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.

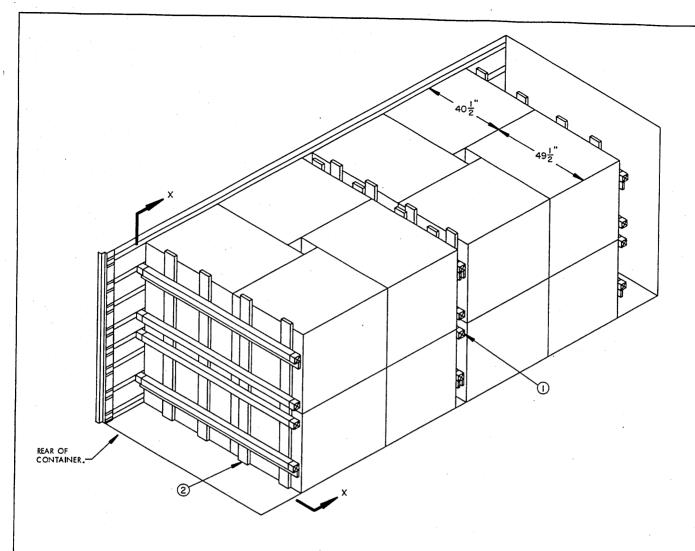


LOAD BEARING GATE L

LUMBER	LINEAR FEET	BOARD FEET
1" X 4" 2" X 4" 2" X 6"	202 15 439	68 10 439
NAILS	NO. REQD	POUNDS
6d (2") 10d (3")	168 294	1 4-3/4

LOAD AS SHOWN

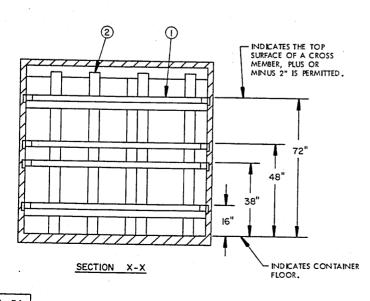
<u>ITEM</u>	QUANTITY .	WEIGH	<u>T</u> (A	PPROX)
DUNNAGE	20	1,040	LBS	
	TOTAL WEIGHT	39,740	LBS	(APPROX)

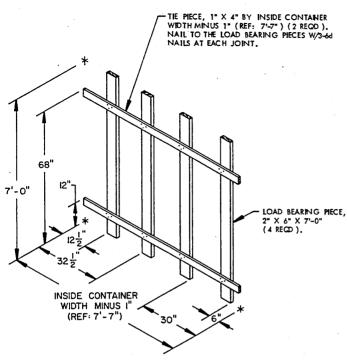


ISOMETRIC VIEW

KEY NUMBERS

- \bigodot CROSS MEMBERS (12 REOD). POSITION AT THE HEIGHTS SPECIFIED IN THE "SECTION X-X" VIEW.
- 2 LOAD BEARING GATE (4 REQD). SEE THE "LOAD BEARING GATE M" DETAIL ON PAGE 55 AND GENERAL NOTE "G" ON PAGE 2.





LOAD BEARING GATE M

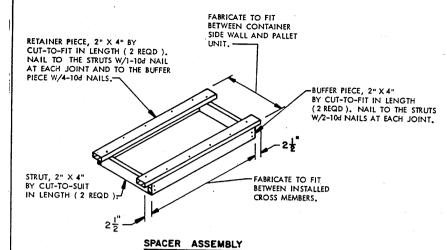
LUMBER	LINEAR FEET	BOARD FEET
1" X 4" 2" X 6"	61 112	21 112
NAILS	NO. REQD	POUNDS
6d (2")	96	3/4

- 1. THE CHIMNEY PATTERN LOAD VIEWS AND THE "LOAD AS SHOWN" ON PAGES 54 AND 55 ARE BASED ON A TYPICAL PALLET UNIT WITH DIMENSIONS OF 40-1/2" LONG BY 49-1/2" WIDE BY 40-7/16" HIGH AND A WEIGHT OF 1,219 POUNDS. IF A HEAVIER UNIT IS OUTLOADED, SEE "SPECIAL NOTES 2 AND 3 FOR THE PROCEDURES THAT MUST BE USED TO CONFORM TO THE "CAPABILITY, FACTORS" AS DIRECTED BY GENERAL NOTE "K" ON PAGE 2. A TOTAL GROSS WEIGHT OF 44,800 POUNDS MUST NOT BE EXCEEDED.
- 2. IF A CONTAINER IS TO BE LOADED WITH LESS UNITS THAN SHOWN, THE PROCEDURES DEPICTED ON PAGE 54 MAY ONLY BE USED FOR SHIPPING OF FOUR, EIGHT, OR SIXTEEN PALLET UNITS IN ORDER TO COMPLY WITH GENERAL NOTE "N."ON PAGE 2.
- 3. SPECIFICATIONS FOR THE "BASIC LOAD, AND FOR THE PROVISIONS OF SPECIAL NOTE 2 WILL BE APPLIED SEPARATELY OR IN COMBINATION TO BLOCK AND BRACE OTHER THAN SIXTEEN-UNIT LOADS.

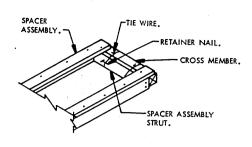
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)		
PALLET UNIT				
	TOTAL WEIGHT	25,471 LBS (APPROX)		

55

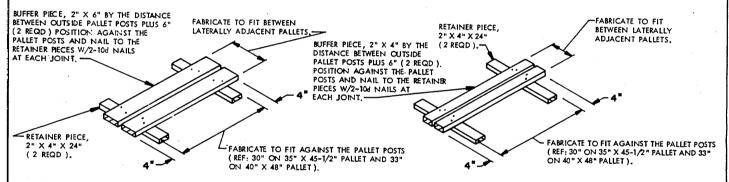


SEE "SPACER ASSEMBLY SECUREMENT" DETAIL AT RIGHT AND SPECIAL NOTE 4 AND 5 ON PAGE 13.



SPACER ASSEMBLY SECUREMENT

SEE SPECIAL NOTE 5 ON PAGE 13.

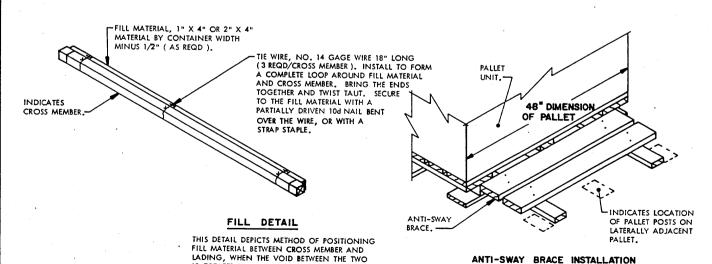


ANTI-SWAY BRACE A

THIS ASSEMBLY MUST BE FABRICATED IN PLACE BETWEEN PALLET UNITS. SEE "ANTI-SWAY BRACE INSTALLATION" DETAIL BELOW.

ANTI-SWAY BRACE B

THIS ASSEMBLY MUST BE FABRICATED IN PLACE BETWEEN PALLET UNITS.



ANTI-SWAY BRACE INSTALLATION

IS GREATER THAN ONE INCH (1") FOR LONGITUDINAL BRACING.