

APPROVED
 BUREAU OF EXPLOSIVES
H. F. Grassmuck
 MILITARY ASSISTANT
 DATE *5/21/64*

**LOADING & BRACING (CL & LCL) IN
 BOX CARS OF DEMOLITION KIT,
 PROJECTED CHARGE, MI57, PACKED
 IN RELATED CONTAINERS**

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DEVELOPER JDS	YEAR	REVISION DIW / AGE	SUBMITTED
CHECKER GWJ	CIRCUIT EMG	REVISION	<i>J. P. ...</i> COMMANDER, SASSARA ARMY DEPOT
REVISIONS			EXAMINED & APPROVED
			<i>Ralph Hall</i> ASSISTANT PROGRAMMETER, SUPPLY AGENCY
			APPROVED BY, ORDER OF COMMANDER, ARMY MATERIEL COMMAND <i>George J. Kelly, col. 65.</i> ARMY SUPPLY MAINTENANCE COMMAND
			MATERIEL COMMAND U.S.A.
			8 FEBRUARY 1965
			CLASS DIVISION DRAWING FILE
			19 48 4045 8M1003

DO NOT SCALE

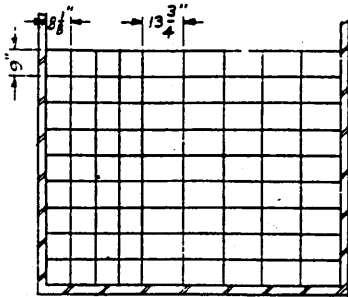
GENERAL NOTES

- A. LOADS AS SHOWN ARE BASED ON CAR SIZES AND DOOR OPENINGS AS SHOWN ON PAGES DEPICTING EACH LOAD.
- B. NOTICE: SHIPMENTS WILL BE POSITIONED IN THE RAIL CAR IN COMPLIANCE WITH THE WEIGHT DISTRIBUTION REQUIREMENTS OF THE AAR. THE NUMBER OF UNITS MAY BE ADJUSTED TO FIT THE RAIL CAR CONCERNED OR THE QUANTITY TO BE SHIPPED; HOWEVER, THE APPROVED METHODS CONTAINED HEREIN FOR FULL OR PARTIAL CARLOAD MUST BE FOLLOWED FOR BLOCKING, BRACING AND STAYING OF THESE ITEMS.
- C. CONTAINER DATA:
- | ITEM | DIMENSIONS | WEIGHT (APPROX) |
|----------------------------|-----------------------------------|-----------------|
| ⊕ FUZE | 13-3/4" L x 8-1/8" W x 9" H | 30 LBS |
| TAIL SECTION | 112" L x 14-3/8" W x 19-1/2" H | 284 LBS |
| NOSE SECTION | 98-1/2" L x 14-1/2" W x 19-7/8" H | 236 LBS |
| ● IMPACT FUZE SECTION | 57-1/2" L x 14-5/8" W x 20-1/2" H | 250 LBS |
| ● * CENTER LOADING SECTION | 55-1/2" L x 14-3/8" W x 8-7/8" H | 155 LBS |
| * BODY SECTION | 65-1/2" L x 14-3/8" W x 8-7/8" H | 105 LBS |
- * FOR PALLETIZATION OF THESE ITEMS SEE "PALLET DETAIL "A" AND PALLET DETAIL "B", PAGE 36.
- THESE ITEMS ARE ICC CLASS "EXPLOSIVE BOMB".
- ⊕ THIS ITEM IS AN ICC CLASS "EXPLOSIVE MINE".
- D. SPECIFIED OUTLOADING PROCEDURES CAN ALSO BE UTILIZED FOR THE SHIPMENT OF THE DEPICTED CONTAINERS WHEN THEY ARE EMPTY OR LOADED WITH AN ITEM WHICH IS IDENTIFIED DIFFERENTLY BY NOMENCLATURE THAN THE ITEM DESIGNATED WITHIN THE DRAWING TITLE.
- E. WHEN ANY STRAP IS SEALED AT AN END-OVER-END LAP JOINT, A MINIMUM OF TWO (2) SEALS WITH TWO (2) CRIMPS PER SEAL MUST BE USED. CAUTION: EXERCISE CARE WHEN TENSIONING TO PREVENT DAMAGE TO CONTAINERS.
- F. FOR AUTHORIZED METHODS OF BRACING PARTIAL LAYERS, SEE ORD CORPS DRAWING 19-48-2213-5P34.
- G. USE COMBINATION OF LOADING PROCEDURES SHOWN HEREIN TO PROVIDE PROPER BLOCKING AND BRACING FOR THE UNIT QUANTITIES NOT DEPICTED.

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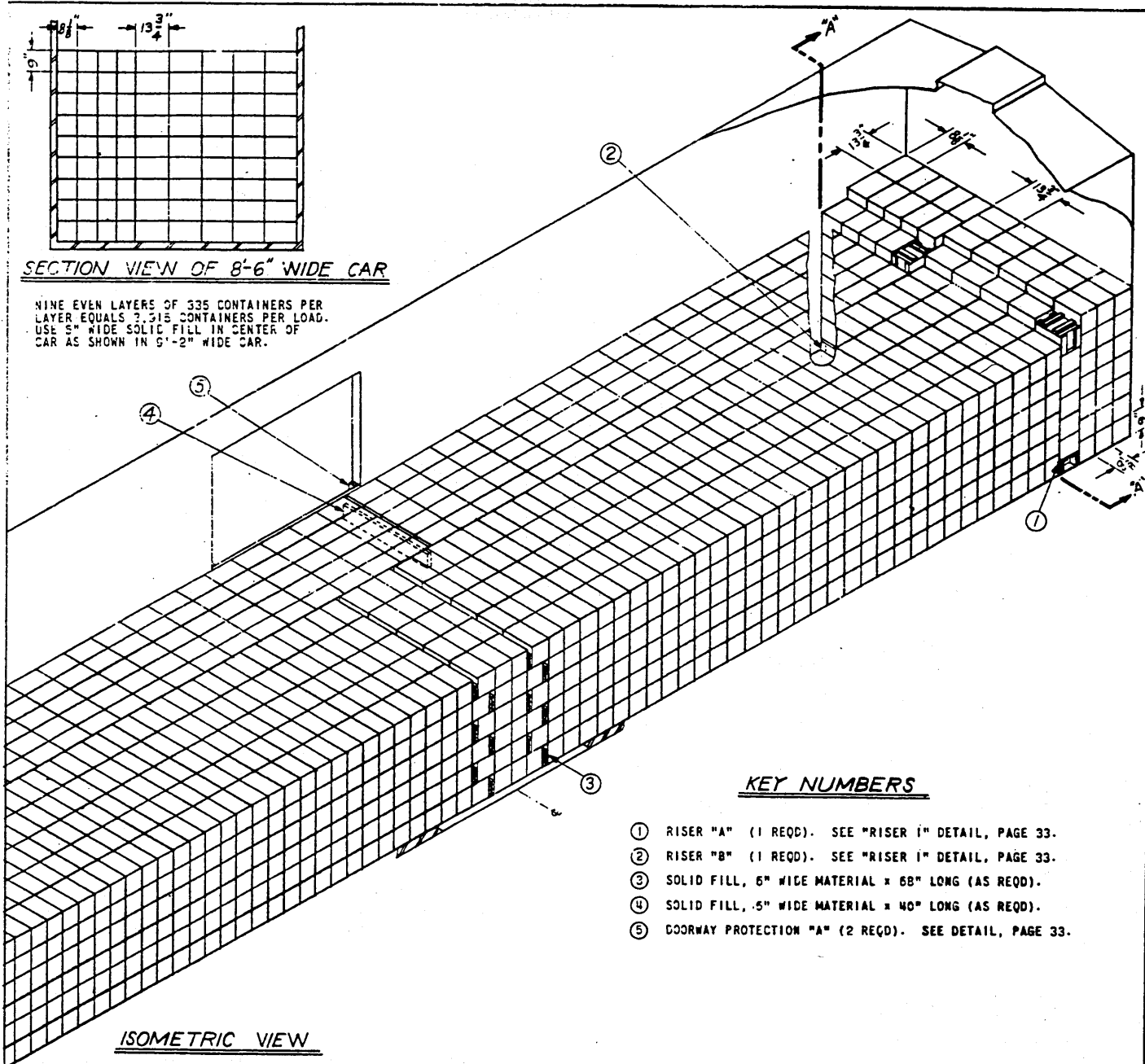
MATERIAL SPECIFICATIONS

- LUMBER: CUNNINGHAM LUMBER, FED SPEC MM-L-781
TM-715-8500-1
- NAILS: COMMON, CEMENT COATED, FED SPEC FF-N-105.
ALT: ANNULAR-RING TYPE NAIL OF SAME SIZE.
- STRAPPING, STEEL: TYPE I, CLASS "A" OR "C", FED SPEC QQ-S-781.
- ANTI-CHAFING MATERIAL: NEUTRAL BARRIER MATERIAL MIL-B-121 OR EQUAL.
- PALLET: STANDARD, 40" x 48" 4-WAY PALLET, MIL-P-15011C.



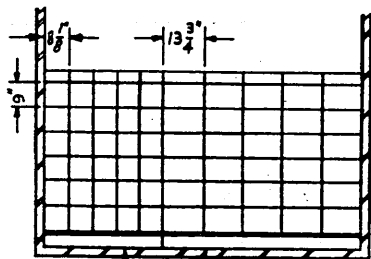
SECTION VIEW OF 8'-6" WIDE CAR

NINE EVEN LAYERS OF 335 CONTAINERS PER LAYER EQUALS 3,315 CONTAINERS PER LOAD. USE 5" WIDE SOLID FILL IN CENTER OF CAR AS SHOWN IN 9'-2" WIDE CAR.



ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR W/5'-0" DOOR OPENING



SECTION "A-A"

KEY NUMBERS

- ① RISER "A" (1 REQD). SEE "RISER I" DETAIL, PAGE 33.
- ② RISER "B" (1 REQD). SEE "RISER I" DETAIL, PAGE 33.
- ③ SOLID FILL, 6" WIDE MATERIAL x 68" LONG (AS REQD).
- ④ SOLID FILL, 5" WIDE MATERIAL x 40" LONG (AS REQD).
- ⑤ DOORWAY PROTECTION "A" (2 REQD). SEE DETAIL, PAGE 33.

BILL OF MATERIAL

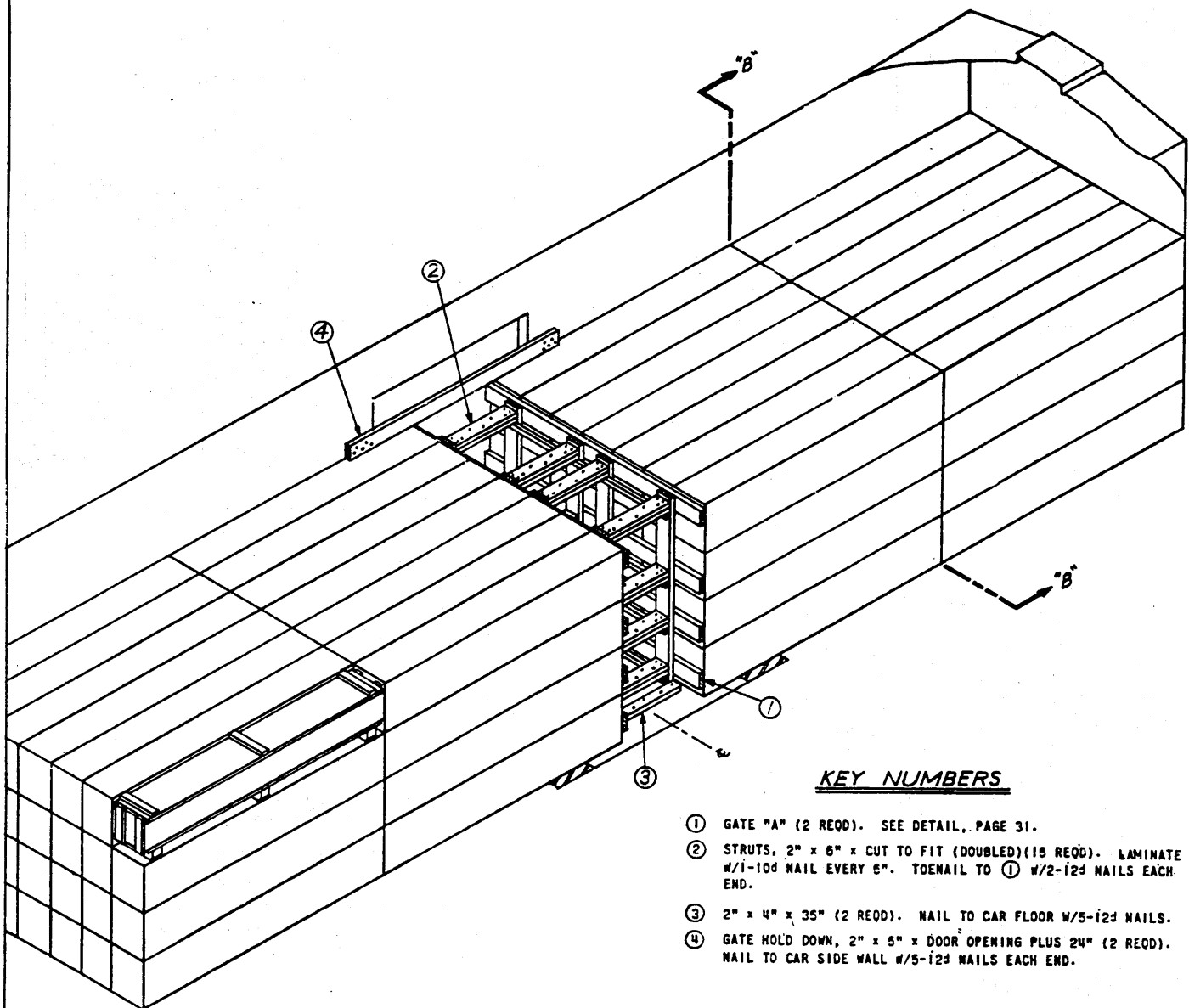
LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	19	7
1" x 5"	92	46
2" x 3"	18	9
2" x 4"	21	14
2" x 5"	136	136
NAILS		POUNDS
5d (2")	102	3/4
10d (3")	15	1/4
12d (3-1/4")	20	1/2

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
FUZE SECTION	3,585	106,950 LBS
DUNNAGE		532 LBS

TOTAL WEIGHT-- 107,482 LBS (APPROX)

FUZE SECTION IN 8'-6" AND 9'-2" CAR



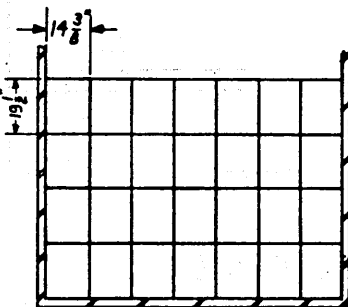
KEY NUMBERS

- ① GATE "A" (2 REQD). SEE DETAIL, PAGE 31.
- ② STRUTS, 2" x 6" x CUT TO FIT (DOUBLED)(15 REQD). LAMINATE w/1-10d NAIL EVERY 6". TOENAIL TO ① w/2-12d NAILS EACH END.
- ③ 2" x 4" x 35" (2 REQD). NAIL TO CAR FLOOR w/5-12d NAILS.
- ④ GATE HOLD DOWN, 2" x 5" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL w/5-12d NAILS EACH END.

ISOMETRIC VIEW

43'-6" x 8'-6" BOX CAR w/5'-0" DOOR OPENING.

BILL OF MATERIAL		
LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	53	18
2" x 4"	6	4
2" x 6"	220	220
NAILS	NO. REQD	POUNDS
10d (3")	240	3-3/4
12d (3-1/4")	94	1-3/4

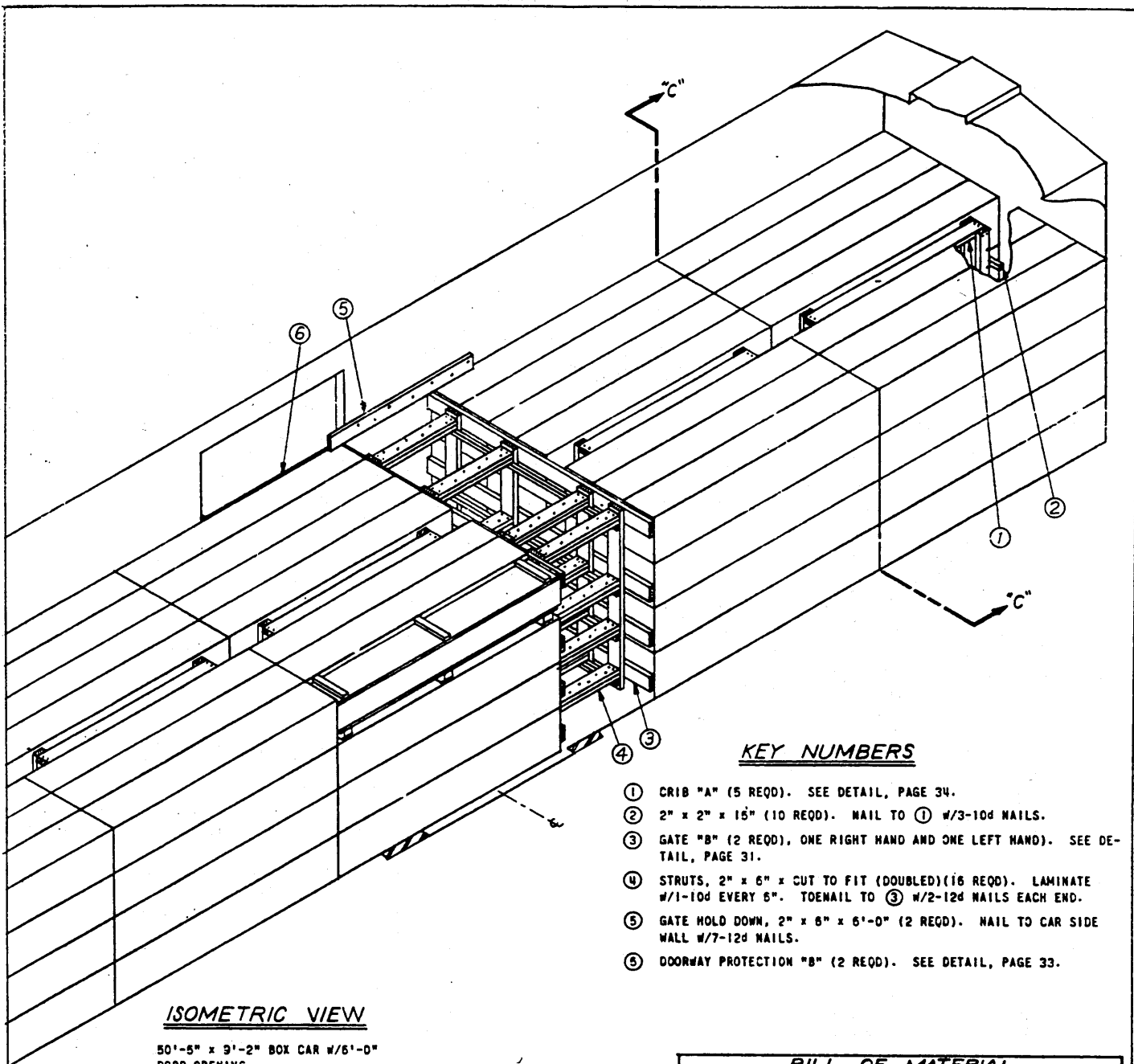


SECTION "B-B"

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
TAIL SECTION	1	31,808 LBS
DUNNAGE	1	811 LBS
TOTAL WEIGHT		32,419 LBS (APPROX)

TAIL SECTION IN 8'-6" CAR



ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR w/6'-0" DOOR OPENING.

KEY NUMBERS

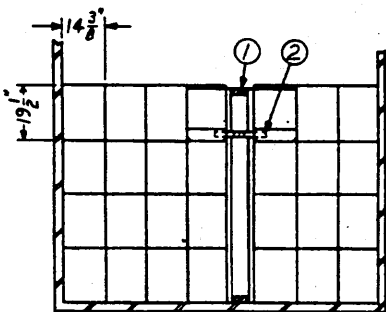
- ① CRIB "A" (5 REQD). SEE DETAIL, PAGE 34.
- ② 2" x 2" x 15" (10 REQD). NAIL TO ① w/3-10d NAILS.
- ③ GATE "B" (2 REQD), ONE RIGHT HAND AND ONE LEFT HAND). SEE DETAIL, PAGE 31.
- ④ STRUTS, 2" x 6" x CUT TO FIT (DOUBLED)(16 REQD). LAMINATE w/1-10d EVERY 6". TOENAIL TO ③ w/2-12d NAILS EACH END.
- ⑤ GATE HOLD DOWN, 2" x 6" x 6'-0" (2 REQD). NAIL TO CAR SIDE WALL w/7-12d NAILS.
- ⑥ DOORWAY PROTECTION "B" (2 REQD). SEE DETAIL, PAGE 33.

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 6"	48	24
2" x 2"	72	24
2" x 3"	26	13
2" x 4"	129	96
2" x 6"	374	374
NAILS	NO. REQD	POUNDS
6d (2")	48	1/2
10d (3")	482	7-1/2
12d (3-1/4")	166	3

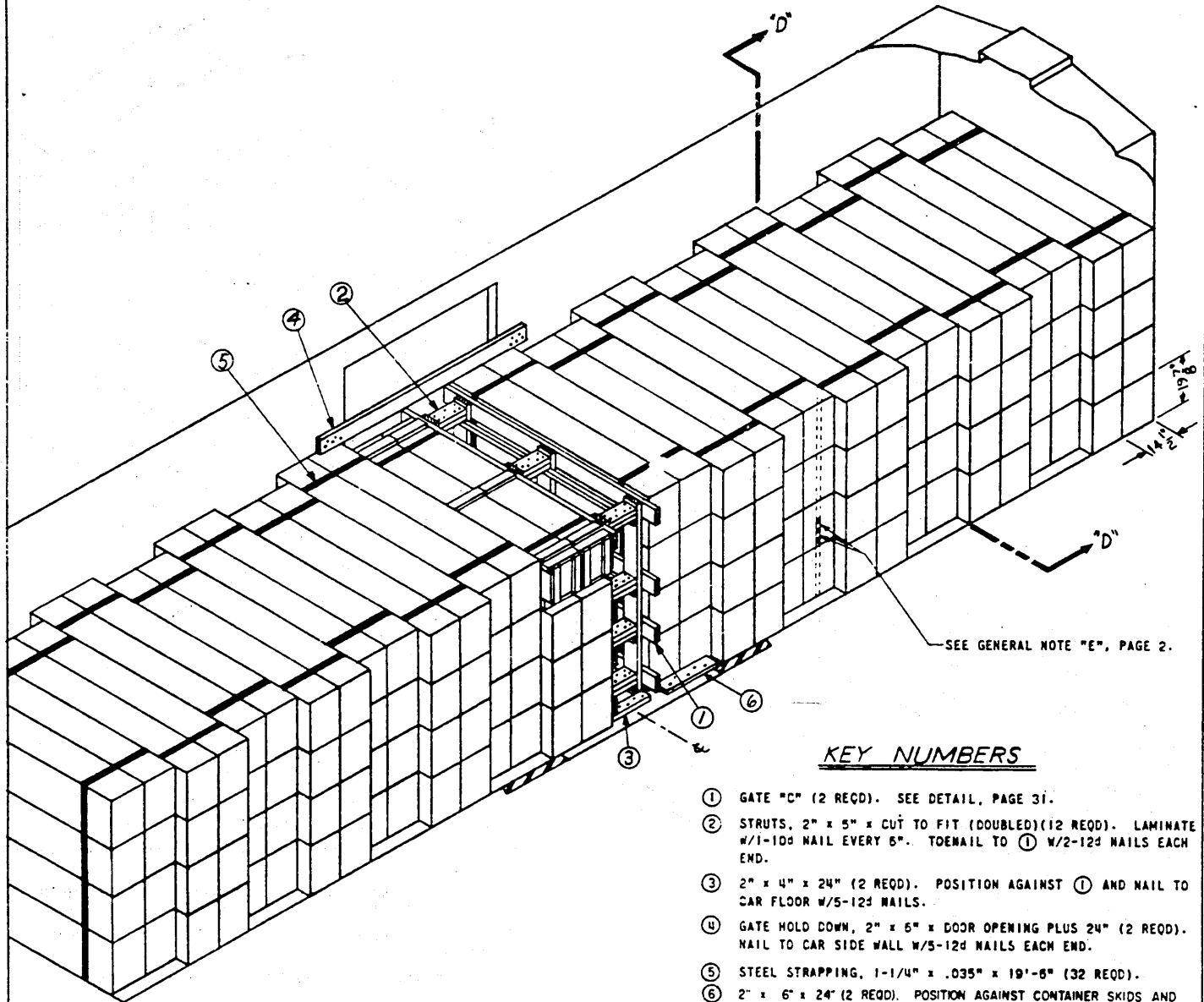
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
TAIL SECTION	140	39,780 LBS
DUNNAGE		1,314 LBS
TOTAL WEIGHT		41,094 LBS (APPROX)



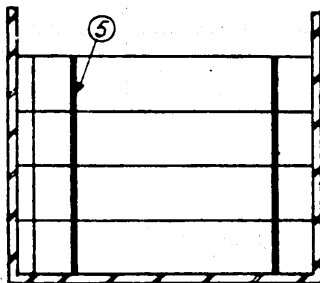
SECTION "C-C"

TAIL SECTION IN 9'-2" CAR



ISOMETRIC VIEW

40'-6" x 9'-6" BOX CAR 4/6'-0"
DOOR OPENING



SECTION "D-D"

KEY NUMBERS

- ① GATE "C" (2 REQD). SEE DETAIL, PAGE 31.
- ② STRUTS, 2" x 5" x CUT TO FIT (DOUBLED)(12 REQD). LAMINATE W/1-10d NAIL EVERY 6". TOENAIL TO ① W/2-12d NAILS EACH END.
- ③ 2" x 4" x 24" (2 REQD). POSITION AGAINST ① AND NAIL TO CAR FLOOR W/5-12d NAILS.
- ④ GATE HOLD DOWN, 2" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑤ STEEL STRAPPING, 1-1/4" x .035" x 19'-6" (32 REQD).
- ⑥ 2" x 6" x 24" (2 REQD). POSITION AGAINST CONTAINER SKIDS AND NAIL TO CAR FLOOR W/5-16d NAILS.

BILL OF MATERIAL

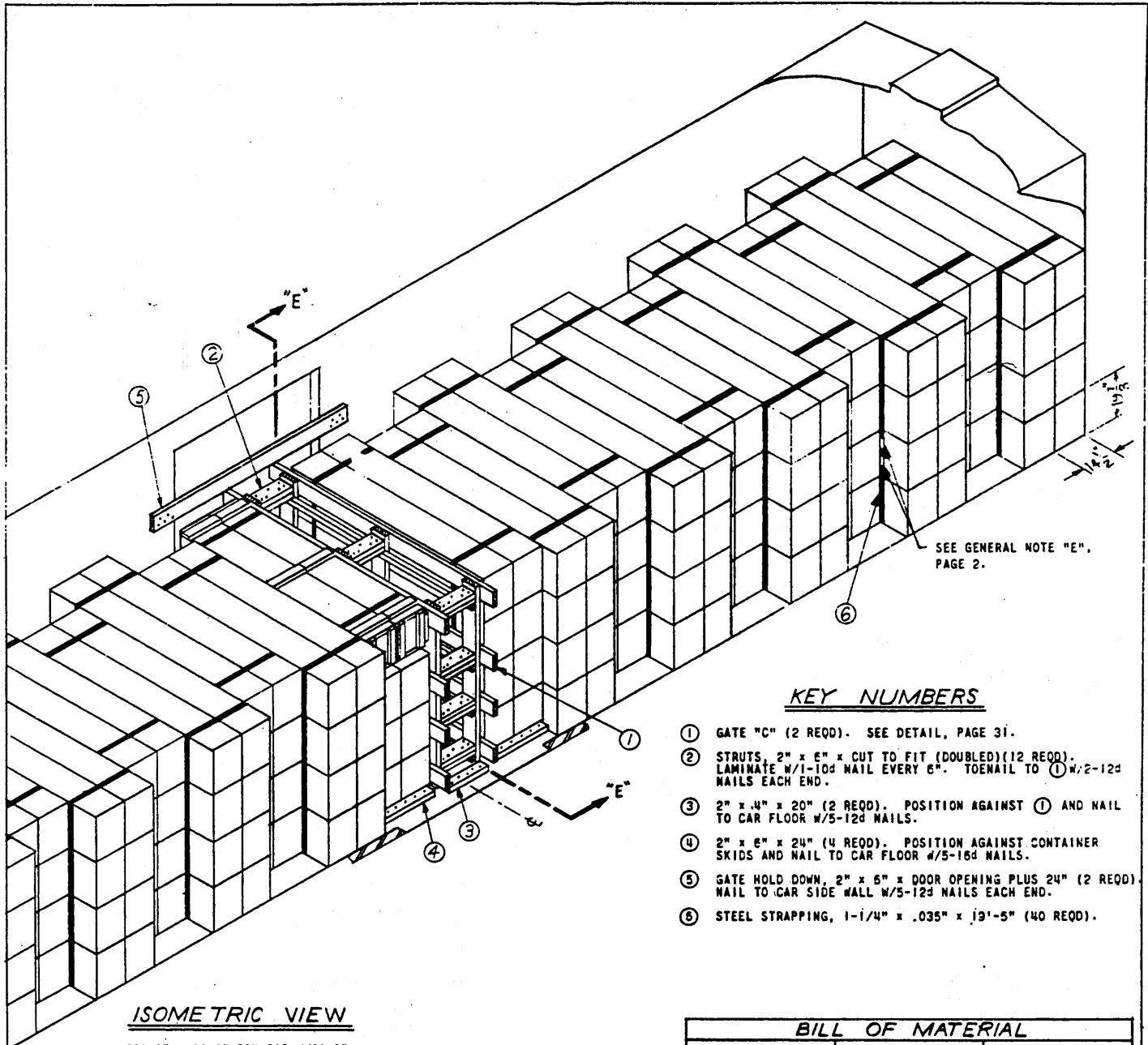
LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	80	20
2" x 4"	4	3
2" x 5"	127	167
NAILS	NO. REQD	POUNDS
10d (3")	156	2-1/2
12d (3-1/4")	78	1-1/2
16d (3-1/2")	10	1/4
STRAPPING, STEEL, 1-1/4" x .035" -- 82d REQD -- 90 LBS		

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
NOSE SECTION	128	30,208 LBS
DAMAGE		569 LBS

TOTAL WEIGHT - - 30,777 LBS (APPROX)

NOSE SECTION IN 8'-6" CAR



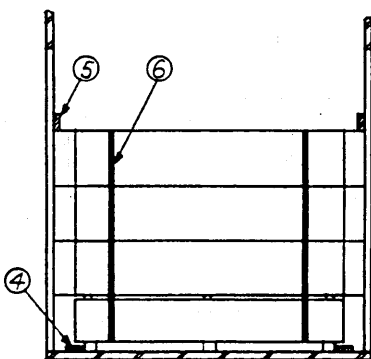
KEY NUMBERS

- ① GATE "C" (2 REQD). SEE DETAIL, PAGE 31.
- ② STRUTS, 2" x 6" x CUT TO FIT (DOUBLED)(12 REQD). LAMINATE W/1-10d NAIL EVERY 6". TOENAIL TO ① W/2-12d NAILS EACH END.
- ③ 2" x 4" x 20" (2 REQD). POSITION AGAINST ① AND NAIL TO CAR FLOOR W/5-16d NAILS.
- ④ 2" x 6" x 24" (4 REQD). POSITION AGAINST CONTAINER SKIDS AND NAIL TO CAR FLOOR W/5-16d NAILS.
- ⑤ GATE HOLD DOWN, 2" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑥ STEEL STRAPPING, 1-1/4" x .035" x 19'-5" (40 REQD).

ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR W/6'-0" DOOR OPENING

<u>BILL OF MATERIAL</u>		
LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	54	22
2" x 4"	4	3
2" x 6"	167	167
NAILS	NO. REQD	POUNDS
10d (3")	156	2-1/2
12d (3-1/4")	78	1-1/2
16d (3-1/2")	20	3/4
STRAPPING, STEEL, 1-1/4" x .035"---780' REQD- 112 LBS		

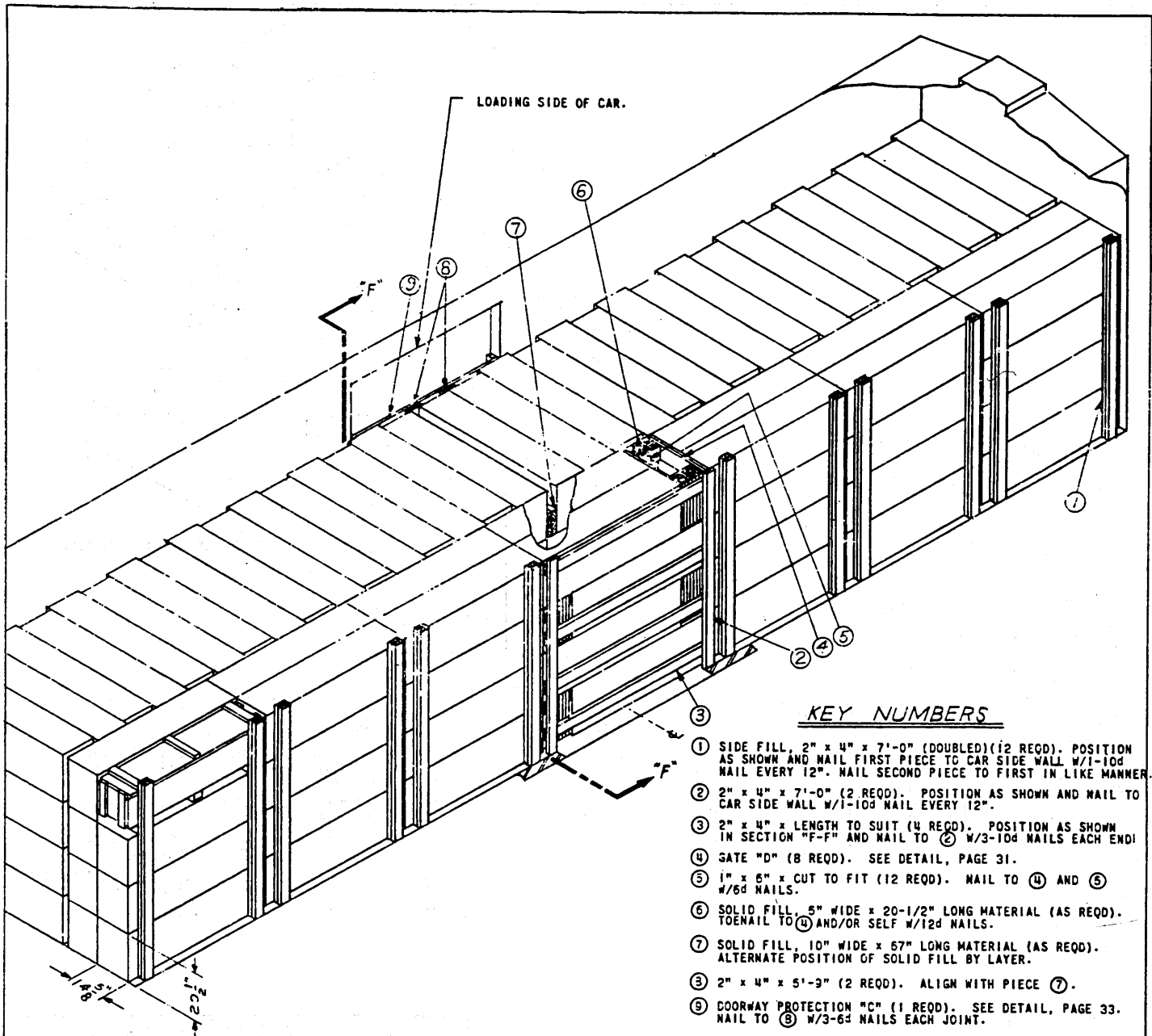


SECTION "E-E"

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
NOSE SECTION-----	160	37,760 LBS
DUNNAGE-----		488 LBS
		TOTAL WEIGHT-- 38,248 LBS (APPROX)

NOSE SECTION IN 9'-2" CAR

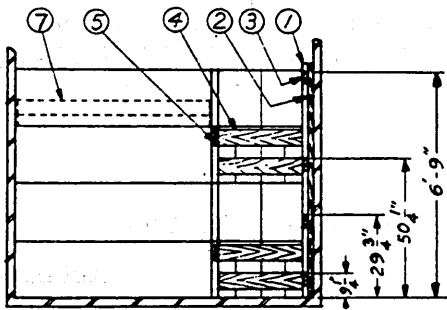


KEY NUMBERS

- ① SIDE FILL, 2" x 4" x 7'-0" (DOUBLED) (12 REQD). POSITION AS SHOWN AND NAIL FIRST PIECE TO CAR SIDE WALL W/1-10d NAIL EVERY 12". NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ② 2" x 4" x 7'-0" (2 REQD). POSITION AS SHOWN AND NAIL TO CAR SIDE WALL W/1-10d NAIL EVERY 12".
- ③ 2" x 4" x LENGTH TO SUIT (4 REQD). POSITION AS SHOWN IN SECTION "F-F" AND NAIL TO ② W/3-10d NAILS EACH END!
- ④ GATE "D" (8 REQD). SEE DETAIL, PAGE 31.
- ⑤ 1" x 6" x CUT TO FIT (12 REQD). NAIL TO ④ AND ③ W/6d NAILS.
- ⑥ SOLID FILL, 5" WIDE x 20-1/2" LONG MATERIAL (AS REQD). TOENAIL TO ④ AND/OR SELF W/12d NAILS.
- ⑦ SOLID FILL, 10" WIDE x 67" LONG MATERIAL (AS REQD). ALTERNATE POSITION OF SOLID FILL BY LAYER.
- ⑧ 2" x 4" x 5'-3" (2 REQD). ALIGN WITH PIECE ⑦.
- ⑨ DOORWAY PROTECTION "C" (1 REQD). SEE DETAIL, PAGE 33. NAIL TO ⑧ W/3-6d NAILS EACH JOINT.

ISOMETRIC VIEW

40'-6" x 8'-6" BOX CAR W/5'-0" DOOR OPENING.



SECTION "F-F"

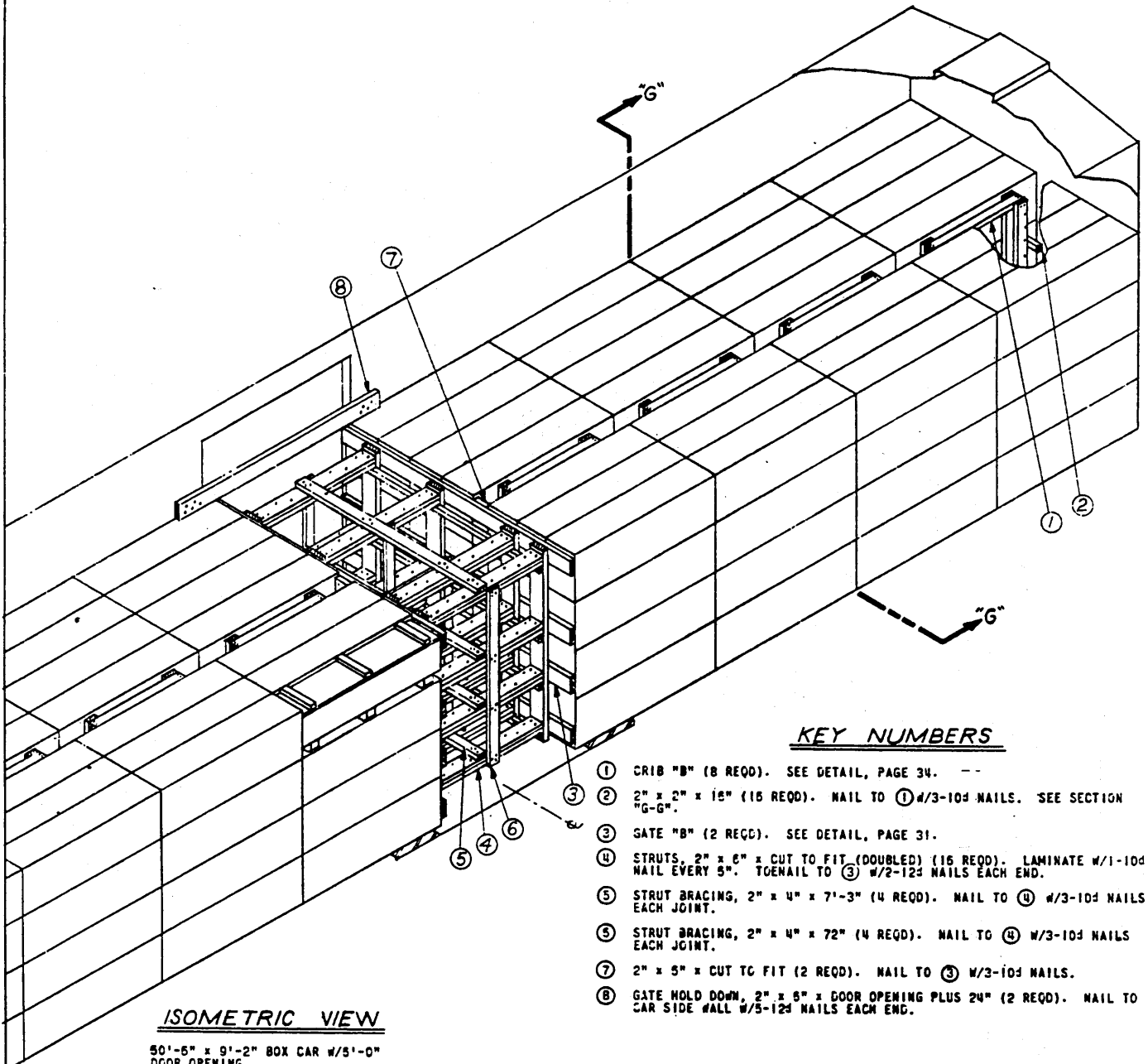
IMPACT FUZE SECTION IN 8'-6" CAR

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 6"	35	18
2" x 3"	14	7
2" x 4"	267	178
2" x 6"	166	166
NAILS	NO. REQD	POUNDS
6d (2")	120	3/4
10d (3")	302	4-3/4
12d (3-1/4")	148	2-1/2

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
IMPACT FUZE SECTION--	168	42,000 LBS
DUNNAGE-----		931 LBS
		TOTAL WEIGHT -----42,931 LBS (APPROX)

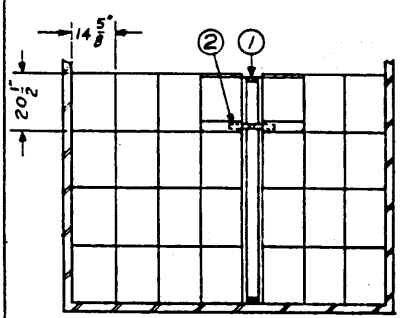


ISOMETRIC VIEW

90'-5" x 9'-2" BOX CAR w/5'-0" DOOR OPENING.

KEY NUMBERS

- ① CRIB "B" (8 REQD). SEE DETAIL, PAGE 34.
- ② 2" x 2" x 15" (15 REQD). NAIL TO ① w/3-10d NAILS. SEE SECTION "G-G".
- ③ GATE "B" (2 REQD). SEE DETAIL, PAGE 31.
- ④ STRUTS, 2" x 6" x CUT TO FIT (DOUBLED) (15 REQD). LAMINATE w/1-10d NAIL EVERY 5". TOENAIL TO ③ w/2-12d NAILS EACH END.
- ⑤ STRUT BRACING, 2" x 4" x 7'-3" (4 REQD). NAIL TO ④ w/3-10d NAILS EACH JOINT.
- ⑥ STRUT BRACING, 2" x 4" x 72" (4 REQD). NAIL TO ④ w/3-10d NAILS EACH JOINT.
- ⑦ 2" x 5" x CUT TO FIT (2 REQD). NAIL TO ③ w/3-10d NAILS.
- ⑧ GATE HOLD DOWN, 2" x 5" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL w/5-12d NAILS EACH END.



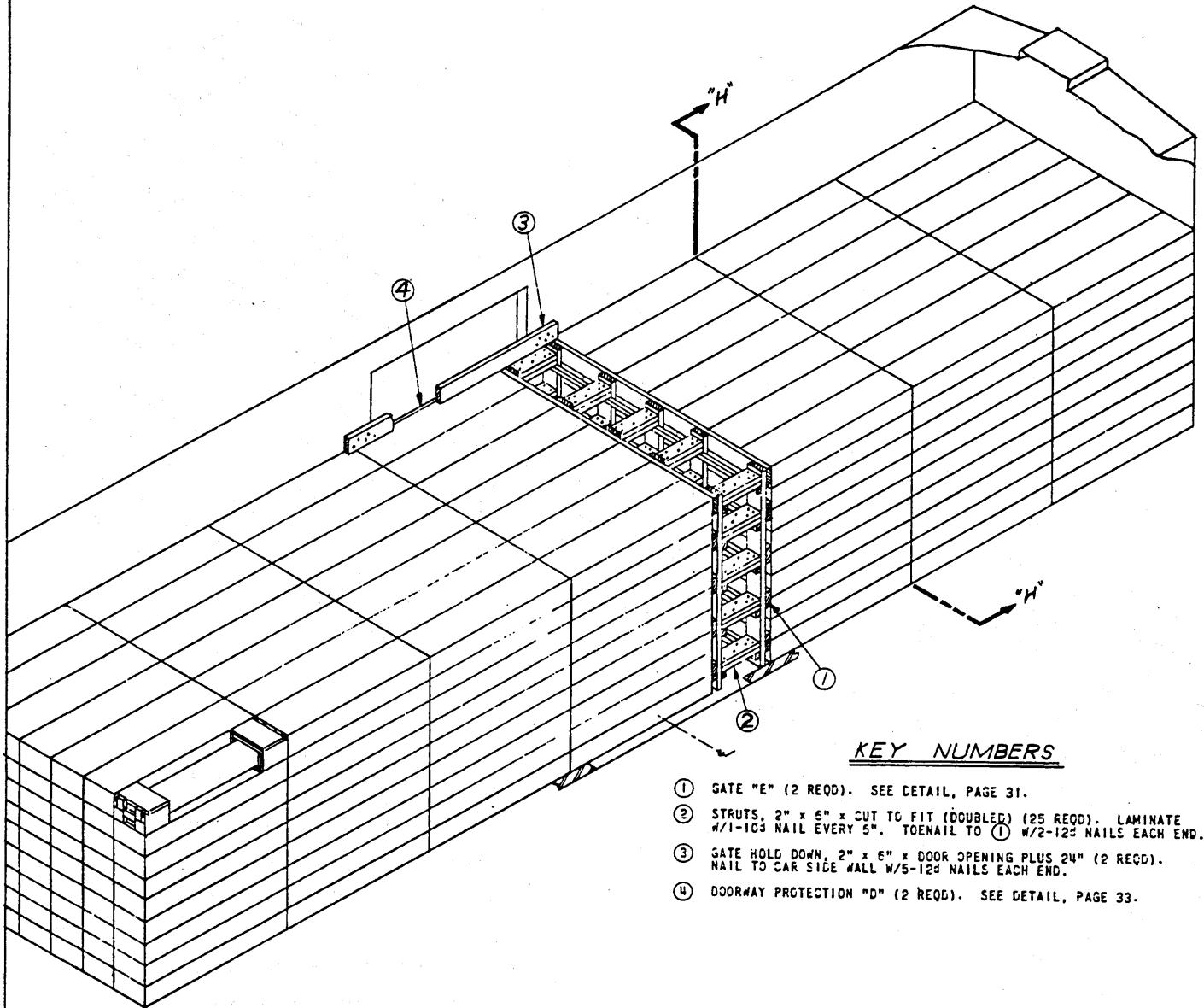
SECTION "G-G"

BILL OF MATERIAL		
LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	90	27
2" x 4"	429	285
2" x 6"	298	298
NAILS	NO. REQD	POUNDS
10d (3")	726	11-1/4
12d (3-1/4")	118	12

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
IMPACT FUZE SECTION	224	56,000 LBS
DUNNAGE		1,541 LBS
TOTAL WEIGHT		57,541 LBS (APPROX)

IMPACT FUZE SECTION IN 9'-2" CAR

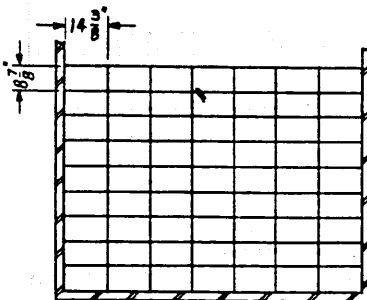


KEY NUMBERS

- ① GATE "E" (2 REQD). SEE DETAIL, PAGE 31.
- ② STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (25 REQD). LAMINATE W/1-10^d NAIL EVERY 5". TOENAIL TO ① W/2-12^d NAILS EACH END.
- ③ GATE HOLD DOWN, 2" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12^d NAILS EACH END.
- ④ DOORWAY PROTECTION "D" (2 REQD). SEE DETAIL, PAGE 33.

ISOMETRIC VIEW

40'-5" x 8'-5" BOX CAR W/5'-0" DOOR OPENING



SECTION "H-H"

BILL OF MATERIAL

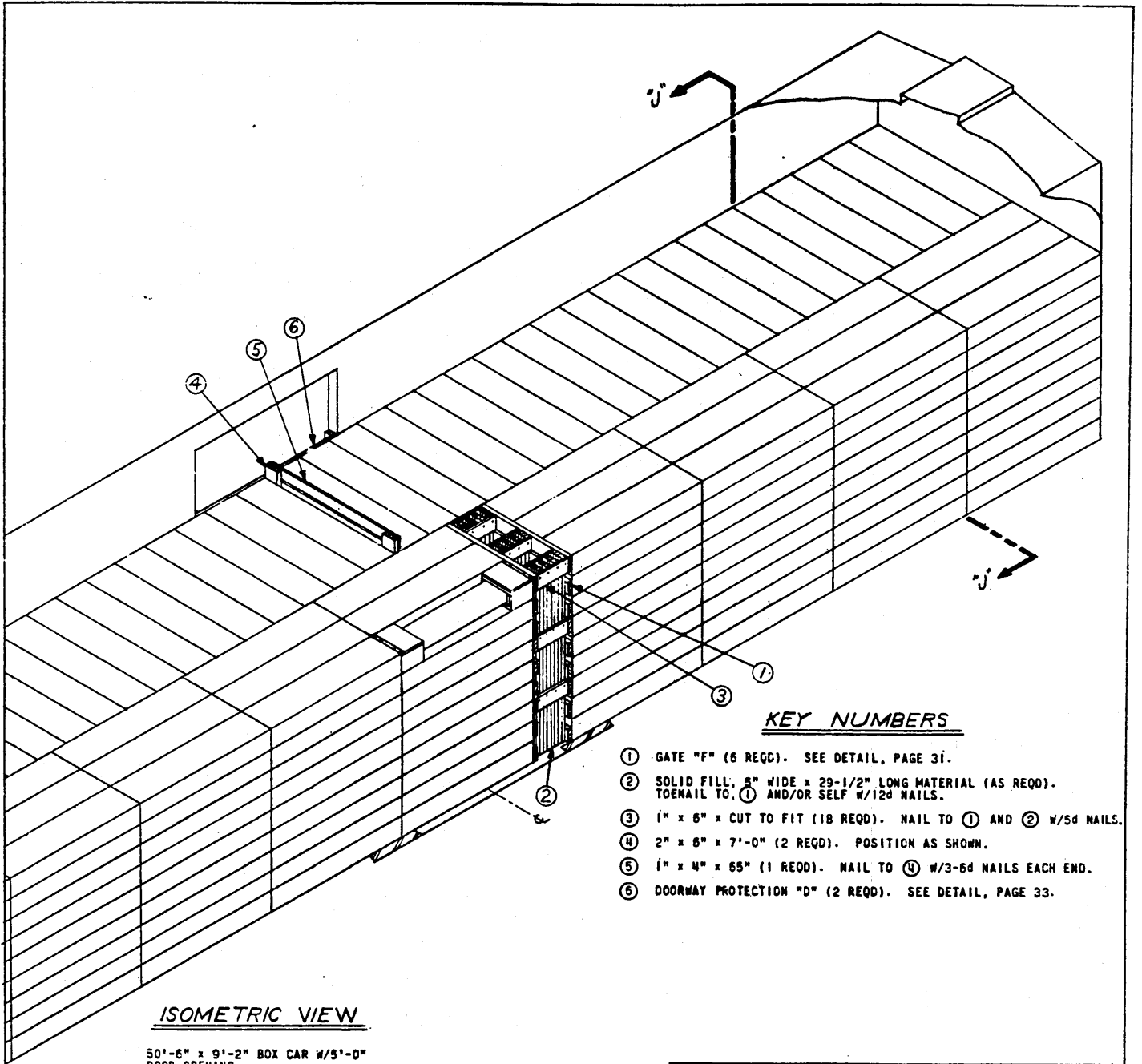
LUMBER	LINEAL FEET	BOARD FEET
1" x 6"	50	30
2" x 2"	92	31
2" x 3"	27	14
2" x 6"	256	256
NAILS	NO. REQD	POUNDS
6 ^d (2")	60	1/2
10 ^d (3")	350	5-1/2
12 ^d (3-1/4")	164	2-2/4

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
CENTER LOADING SECTION	441	68,355 LBS *
DUNNAGE		837 LBS
TOTAL WEIGHT		69,192 LBS (APPROX)

* BODY SECTION - - 46,746 LBS (APPROX)

CENTER LOADING AND/OR BODY SECTION IN 8'-6" CAR

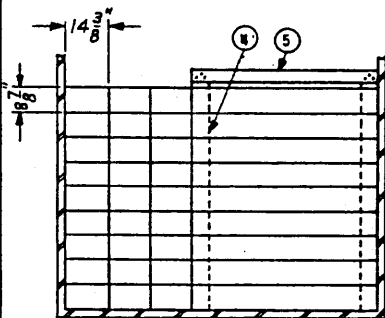


KEY NUMBERS

- ① GATE "F" (6 REQD). SEE DETAIL, PAGE 31.
- ② SOLID FILL, 5" WIDE x 29-1/2" LONG MATERIAL (AS REQD). TOENAIL TO ① AND/OR SELF W/12d NAILS.
- ③ 1" x 6" x CUT TO FIT (18 REQD). NAIL TO ① AND ② W/5d NAILS.
- ④ 2" x 6" x 7'-0" (2 REQD). POSITION AS SHOWN.
- ⑤ 1" x 4" x 65" (1 REQD). NAIL TO ④ W/3-6d NAILS EACH END.
- ⑥ DOORWAY PROTECTION "D" (2 REQD). SEE DETAIL, PAGE 33.

ISOMETRIC VIEW

50'-6" x 9'-2" BOX CAR W/5'-0" DOOR OPENING



SECTION "U-U"

BILL OF MATERIAL		
LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	6	2
1" x 6"	80	40
2" x 3"	27	14
2" x 6"	256	255
NAILS	NO. REQD	POUNDS
6d (2")	210	1-1/4
10d (3")	162	2-1/2
12d (3-1/4")	186	3-1/4

LOAD AS SHOWN

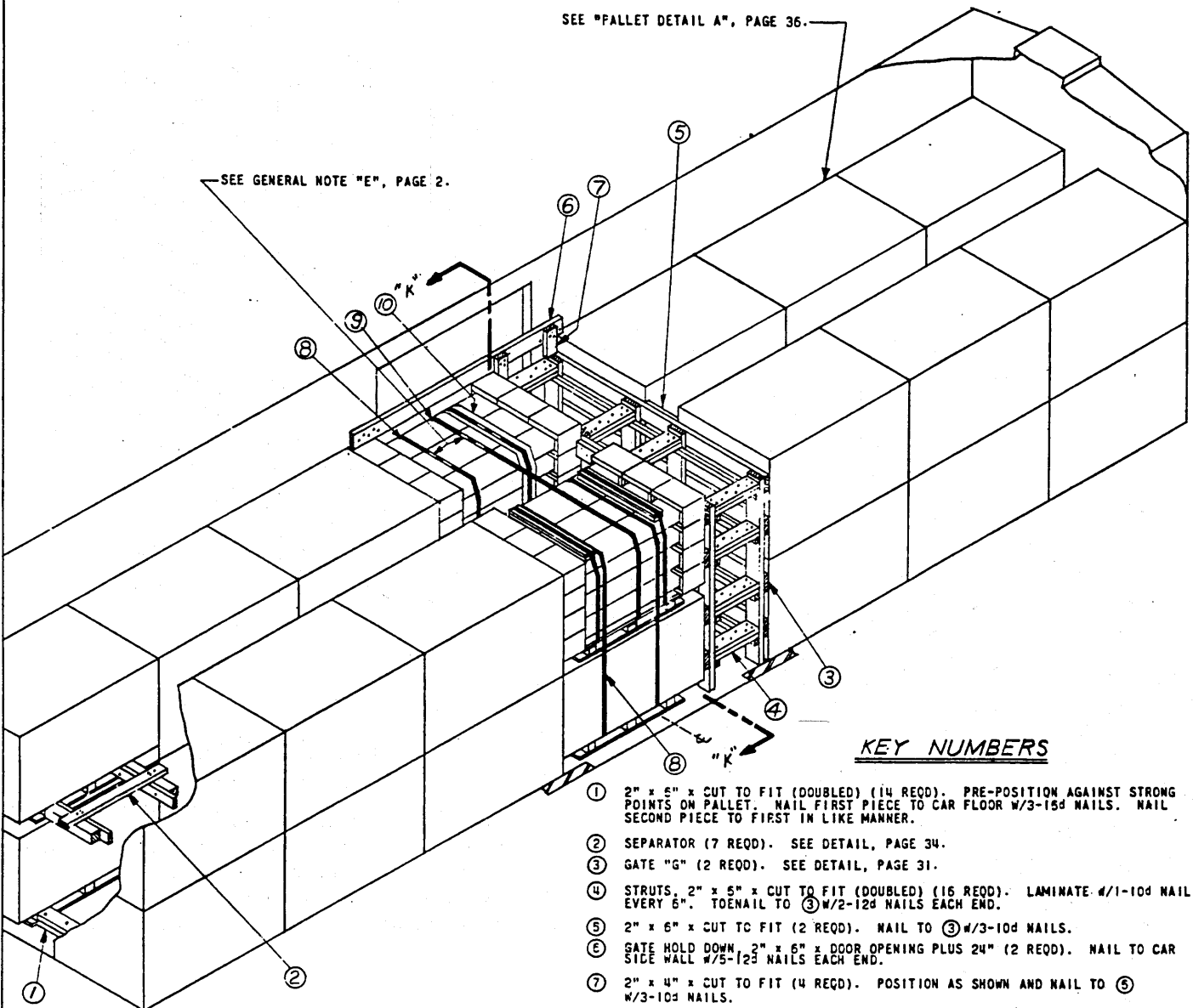
ITEM	QUANTITY	WEIGHT (APPROX)
CENTER LOADING SECTION	621	96,255 LBS *
DUNNAGE		787 LBS
TOTAL WEIGHT		97,042 LBS (APPROX)

* BODY SECTION - - 85,826 LBS (APPROX)

CENTER LOADING AND/OR BODY SECTION IN 9'-2" CAR

SEE "PALLET DETAIL A", PAGE 36.

SEE GENERAL NOTE "E", PAGE 2.

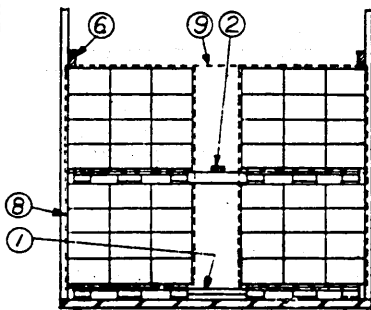


ISOMETRIC VIEW

40'-5" x 8'-6" BGX CAR W/6'-0" DOOR OPENING

NOTE:

A PARTIAL THIRD LAYER MAY BE ADDED IF CAR HEIGHT PERMITS. INCREASE QUANTITY OF PIECE ② AS REQUIRED. USE "K" BRACE, SHOWN AS PCS ⑦ THRU ⑨ ON PAGE 26, IF APPLICABLE WHEN SPANNING DOORWAY. "K" BRACE SHOWN AS PCS ① THRU ③ ON PAGE 29 MAY BE USED BY DECREASING LENGTH OF PC ③ TO 28".



SECTION "K-K"

KEY NUMBERS

- ① 2" x 5" x CUT TO FIT (DOUBLED) (14 REQD). PRE-POSITION AGAINST STRONG POINTS ON PALLET. NAIL FIRST PIECE TO CAR FLOOR W/3-15d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ② SEPARATOR (7 REQD). SEE DETAIL, PAGE 34.
- ③ GATE "G" (2 REQD). SEE DETAIL, PAGE 31.
- ④ STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (16 REQD). LAMINATE #1-10d NAIL EVERY 6". TOENAIL TO ③ W/2-12d NAILS EACH END.
- ⑤ 2" x 6" x CUT TO FIT (2 REQD). NAIL TO ③ W/3-10d NAILS.
- ⑥ GATE HOLD DOWN, 2" x 6" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑦ 2" x 4" x CUT TO FIT (4 REQD). POSITION AS SHOWN AND NAIL TO ⑤
- ⑧ STEEL STRAPPING, 1-1/4" x .035" x 22'-0" (4 REQD). UNITIZE STACKS IN DOORWAY AREA ONLY.
- ⑨ STEEL STRAPPING, 1-1/4" x .035" x 27'-0" (1 REQD). THIS PIECE REQUIRED FOR DOORWAY PROTECTION.
- ⑩ ANTI-CHAFING, NEUTRAL BARRIER MATERIAL. PLACE UNDER STRAPPING AT POINTS OF CONTACT WITH METAL PORTION OF CONTAINERS.

BILL OF MATERIAL

LUMBER	LINEAL FEET	SCARC FEET
2" x 2"	58	23
2" x 4"	54	43
2" x 6"	235	235
4" x 4"	22	31
NAILS	NO. REQD	PCUNES
10d (3")	350	5-1/2
12d (3-1/4")	84	1-1/2
15d (3-1/2")	84	2
STRAPPING, STEEL, 1-1/4" x .035" - - 115' REQD - -		17 LBS
ANTI-CHAFING MATERIAL - - AS REQD		

LOAD AS SHOWN

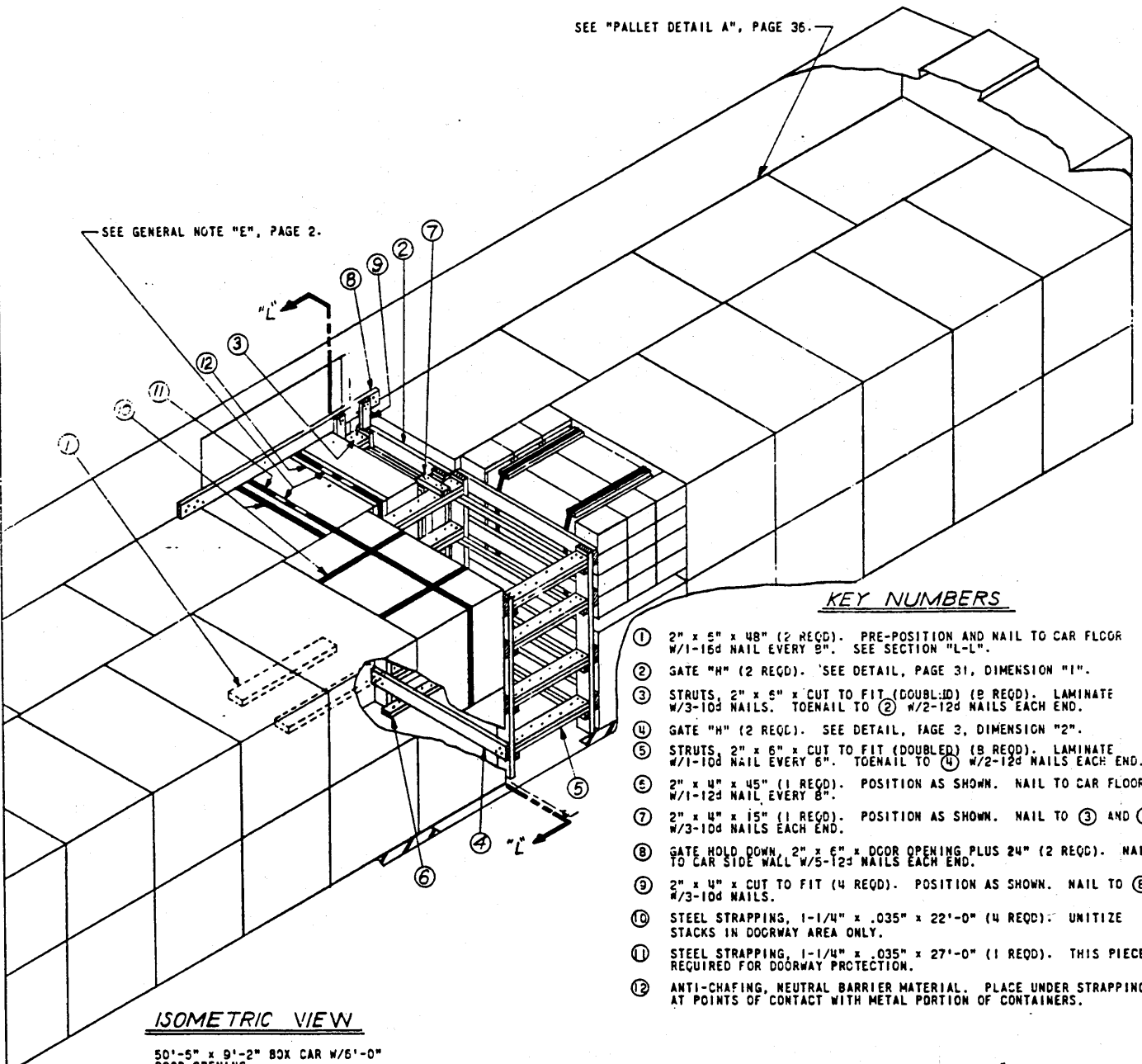
ITEM	QUANTITY	WEIGHT (APPROX)
PALLET, CENTER LOADING SECTION - - -	28	54,964 LBS *
DUNNAGE - - - - -		864 LBS
TOTAL WEIGHT - - - - -		55,828 LBS (APPROX)

*PALLET, BODY SECTION - - 38,500 LBS (APPROX)

CENTER LOADING AND/OR BODY SECTION, PALLETIZED, IN 8'-6" CAR

SEE "PALLET DETAIL A", PAGE 36.

SEE GENERAL NOTE "E", PAGE 2.



KEY NUMBERS

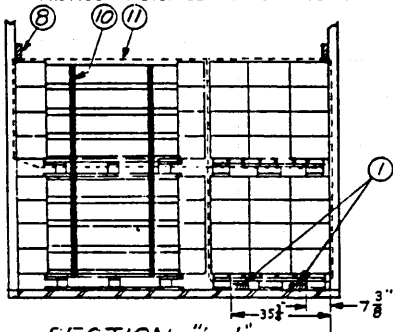
- ① 2" x 5" x 48" (2 REQD). PRE-POSITION AND NAIL TO CAR FLOOR W/1-16d NAIL EVERY 8". SEE SECTION "L-L".
- ② GATE "H" (2 REQD). SEE DETAIL, PAGE 31, DIMENSION "I".
- ③ STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (8 REQD). LAMINATE W/3-10d NAILS. TOENAIL TO ② W/2-12d NAILS EACH END.
- ④ GATE "H" (2 REQD). SEE DETAIL, PAGE 3, DIMENSION "2".
- ⑤ STRUTS, 2" x 6" x CUT TO FIT (DOUBLED) (8 REQD). LAMINATE W/1-10d NAIL EVERY 6". TOENAIL TO ④ W/2-12d NAILS EACH END.
- ⑥ 2" x 4" x 45" (1 REQD). POSITION AS SHOWN. NAIL TO CAR FLOOR W/1-12d NAIL EVERY 8".
- ⑦ 2" x 4" x 15" (1 REQD). POSITION AS SHOWN. NAIL TO ③ AND ⑤ W/3-10d NAILS EACH END.
- ⑧ GATE HOLD DOWN, 2" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑨ 2" x 4" x CUT TO FIT (4 REQD). POSITION AS SHOWN. NAIL TO ⑧ W/3-10d NAILS.
- ⑩ STEEL STRAPPINGS, 1-1/4" x .035" x 22'-0" (4 REQD). UNITIZE STACKS IN DOORWAY AREA ONLY.
- ⑪ STEEL STRAPPING, 1-1/4" x .035" x 27'-0" (1 REQD). THIS PIECE REQUIRED FOR DOORWAY PROTECTION.
- ⑫ ANTI-CHAFING, NEUTRAL BARRIER MATERIAL. PLACE UNDER STRAPPING AT POINTS OF CONTACT WITH METAL PORTION OF CONTAINERS.

ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR W/6'-0" DOOR OPENING.

NOTE:

A PARTIAL THIRD LAYER MAY BE ADDED IF CAR HEIGHT PERMITS. USE "K" BRACE SHOWN ON PCS ① THRU ⑫ ON PAGE 29, IF APPLICABLE. IF NOT SPANNING DOORWAY, "K" BRACE SHOWN AS PCS ⑦ THRU ⑯ ON PAGE 25 MAY BE USED BY INCREASING LENGTH OF PC ⑨ TO 36". USE SOLID FILL OR AN ADEQUATE "FILLER" TO PROVIDE AN EVEN BEARING SURFACE FOR "K" BRACE.



SECTION "L-L"

CENTER LOADING AND/OR BODY SECTION, PALLETIZED, IN 9'-2" CAR

BILL OF MATERIAL

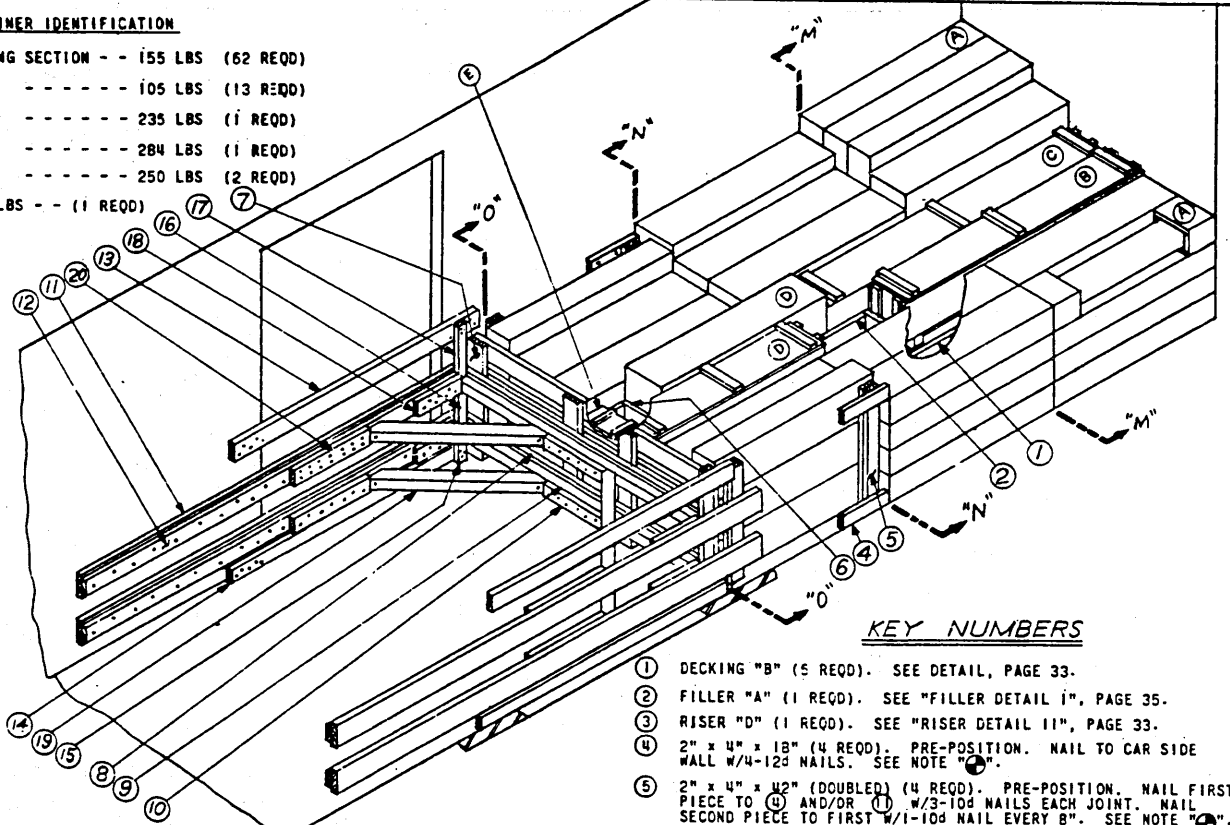
LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	73	25
2" x 4"	9	6
2" x 5"	213	213
NAILS	NO. REQD	POUNDS
10d (3")	258	4
12d (3-1/4")	90	1-1/2
16d (3-1/2")	14	-1/2
STRAPPING, STEEL, 1-1/4" x .035" -- 115 REQD -- 17 LBS		
ANTI-CHAFING MATERIAL -- AS REQD		

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLET, CENTER LOADING SECTION - 44	----	86,372 LBS *
DUNNAGE	----	633 LBS
TOTAL WEIGHT		87,005 LBS (APPROX)
* BODY SECTION -- 50,500 LBS (APPROX)		

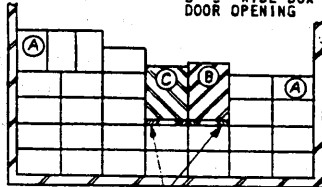
CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (62 REQD)
- (B) BODY SECTION - - - - - 105 LBS (13 REQD)
- (C) NOSE SECTION - - - - - 235 LBS (1 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (1 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (2 REQD)
- (F) FUZE - - 30 LBS - - (1 REQD)

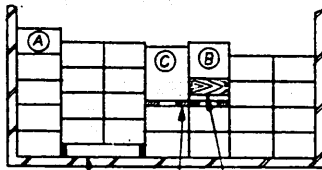


ISOMETRIC VIEW

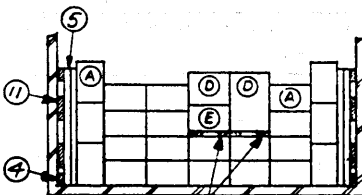
8'-5" WIDE BOX CAR W/6'-0" DOOR OPENING



SECTION "M-M"



SECTION "N-N"



SECTION "O-O"

- (13) 2" x 5" x 18" (4 REQD). NAIL TO (3) W/7-16d NAILS.
- (14) BRACE, 4" x 4" x 50" (4 REQD). SEE DETAIL, PAGE 35. TOENAIL TO (3) AND (2) W/1-50d NAIL EACH END.
- (15) 2" x 6" x 30" (4 REQD). NAIL TO (12) W/14-15d NAILS.

NOTE:

PIECES (4), (5) AND (11) MUST BE INSTALLED PRIOR TO PLACEMENT OF CONTAINERS ADJACENT THERETO.

KEY NUMBERS

- (1) DECKING "B" (5 REQD). SEE DETAIL, PAGE 33.
- (2) FILLER "A" (1 REQD). SEE "FILLER DETAIL I", PAGE 35.
- (3) RISER "D" (1 REQD). SEE "RISER DETAIL II", PAGE 33.
- (4) 2" x 4" x 18" (4 REQD). PRE-POSITION. NAIL TO CAR SIDE WALL W/4-12d NAILS. SEE NOTE "A".
- (5) 2" x 4" x 42" (DOUBLED) (4 REQD). PRE-POSITION. NAIL FIRST PIECE TO (4) AND/OR (11) W/3-10d NAILS EACH JOINT. NAIL SECOND PIECE TO FIRST W/1-10d NAIL EVERY 8". SEE NOTE "A".
- (6) FILLER "B" (1 REQD). SEE "FILLER DETAIL I", PAGE 35.
- (7) GATE "J" (1 REQD). SEE DETAIL, PAGE 32.
- (8) 2" x 5" x CAR WIDTH MINUS 3-1/4" (2 REQD). NAIL TO (9) W/1-12d NAIL EVERY 8".
- (9) 4" x 4" x CAR WIDTH MINUS 3-1/4" (2 REQD).
- (10) 2" x 4" x 24-3/4" (2 REQD). NAIL TO (9) W/6-16d NAILS.
- (11) 2" x 8" x 14'-0" (REF) (4 REQD). PRE-POSITION ACROSS DOOR OPENING WITH 24" CONTACTING CAR WALL ON LOAD END AND 6'-0" (MIN) ON OPPOSITE END. NAIL TO CAR SIDE WALL W/1-12d NAIL EVERY 8". SEE NOTE "A".
- (12) 2" x 6" x CUT TO FIT (REF: 12'-0") (4 REQD). NAIL TO (11) W/1-10d NAIL EVERY 8".
- (13) 2" x 5" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- (14) 2" x 4" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- (15) 2" x 4" x 7" (2 REQD). NAIL TO (11) W/2-10d NAILS. NAIL TO (14) W/3-10d NAILS.
- (16) 2" x 4" x 15-1/4" (2 REQD). NAIL TO (11) W/2-10d NAILS EACH END.
- (17) 2" x 4" x 18" (2 REQD). NAIL TO (11) W/2-10d NAILS. NAIL TO (13) W/3-10d NAILS.

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	15	5
2" x 4"	131	88
2" x 6"	162	152
2" x 8"	56	75
4" x 4"	35	47
NAILS		
	NO. REQD	POUNDS
6d (2")	72	1/2
10d (3")	248	4
12d (3-1/4")	138	2-1/2
16d (3-1/2")	96	2-1/4
50d (6")	8	1

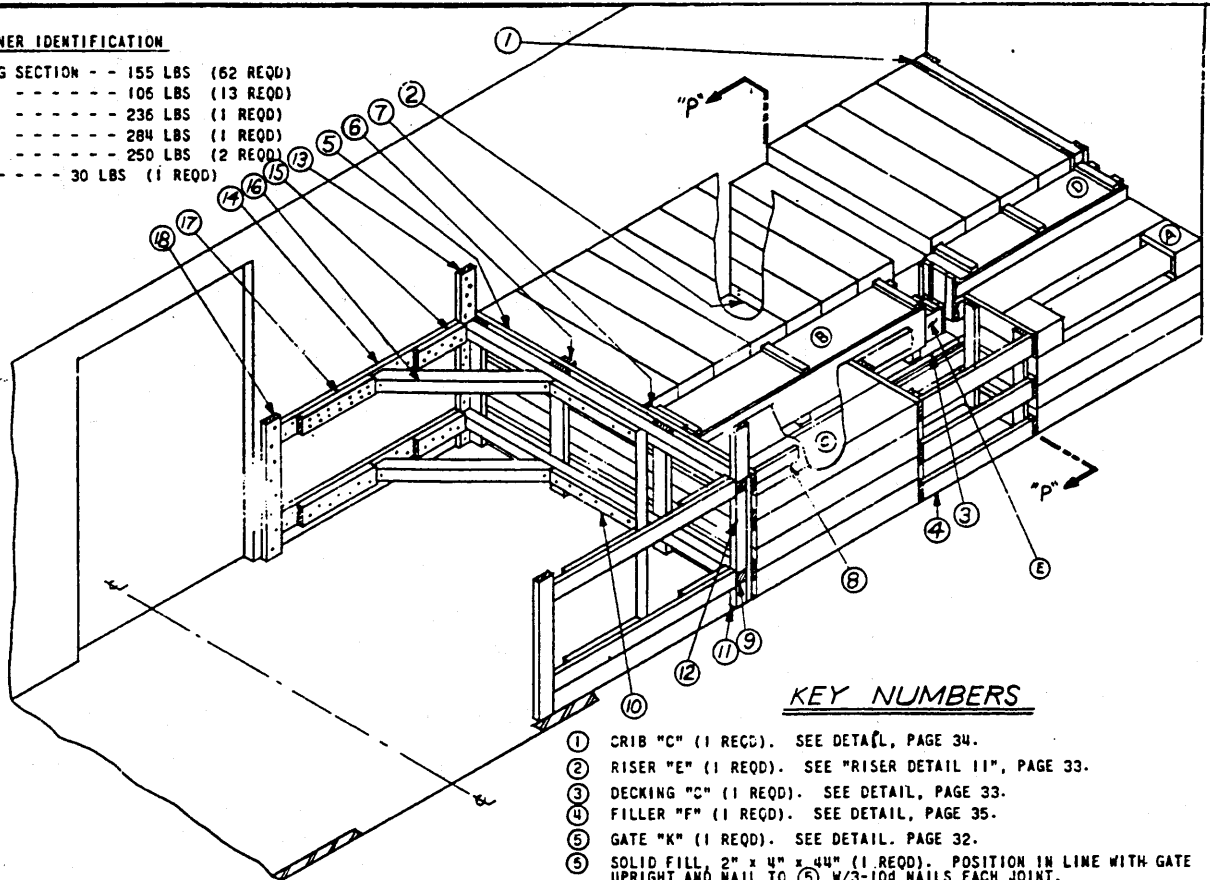
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	1	12,038 LBS
DUNNAGE		953 LBS
TOTAL WEIGHT		12,991 LBS (APPROX)

ONE DEMOLITION KIT IN 8'-6" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (62 REQD)
- (B) BODY SECTION - - - - - 106 LBS (13 REQD)
- (C) NOSE SECTION - - - - - 236 LBS (1 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (1 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (2 REQD)
- (F) FUZE - - - - - 30 LBS (1 REQD)

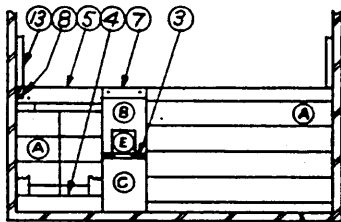


ISOMETRIC VIEW

9'-2" WIDE BOX CAR W/5'-0" DCOR

KEY NUMBERS

- (1) CRIB "C" (1 REQD). SEE DETAIL, PAGE 34.
- (2) RISER "E" (1 REQD). SEE "RISER DETAIL 11", PAGE 33.
- (3) DECKING "C" (1 REQD). SEE DETAIL, PAGE 33.
- (4) FILLER "F" (1 REQD). SEE DETAIL, PAGE 35.
- (5) GATE "K" (1 REQD). SEE DETAIL, PAGE 32.
- (6) SOLID FILL, 2" x 4" x 4" (1 REQD). POSITION IN LINE WITH GATE UPRIGHT AND NAIL TO (5) W/3-10d NAILS EACH JOINT.
- (7) SOLID FILL, (REF: 2" x 5" x 14-1/2") (2 REQD). POSITION AS SHOWN AND NAIL TO (5) W/3-10d NAILS.
- (8) 2" x 4" x 18" (1 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS.
- (9) 4" x 4" x CAR WIDTH (2 REQD). POSITION AS SHOWN.
- (10) 2" x 4" x 36" (2 REQD). NAIL TO (9) W/7-16d NAILS.
- (11) 2" x 4" x 7" (2 REQD). NAIL TO CAR SIDE WALL W/2-12d NAILS
- (12) 2" x 4" x 29-3/4" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS.
- (13) 2" x 6" x 18" (2 REQD). POSITION ON TOP OF (5) AND (9). NAIL TO CAR SIDE WALL W/5-12d NAILS.
- (14) 2" x 6" x 72" (4 REQD). NAIL TO CAR SIDE WALL W/16-12d NAILS.
- (15) 2" x 6" x 18" (4 REQD). NAIL TO (14) W/7-16d NAILS.
- (16) BRACE, 4" x 4" x 50" (4 REQD). SEE DETAIL, PAGE 35. TOENAIL TO (3) AND (14) W/1-60d NAIL EACH END.
- (17) 2" x 6" x 30" (4 REQD). NAIL TO (14) W/14-16d NAILS.
- (18) 2" x 6" x 48" (2 REQD). NAIL TO CAR SIDE WALL W/8-12d NAILS.



SECTION "P-P"

BILL OF MATERIAL		
LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	3	1
2" x 4"	93	62
2" x 6"	137	137
4" x 4"	36	48
NAILS	NO REQD	POUNDS
6d (2")	12	1/4
10d (3")	181	3
12d (3-1/4")	85	1-1/2
16d (3-1/2")	128	3
60d (6")	8	1

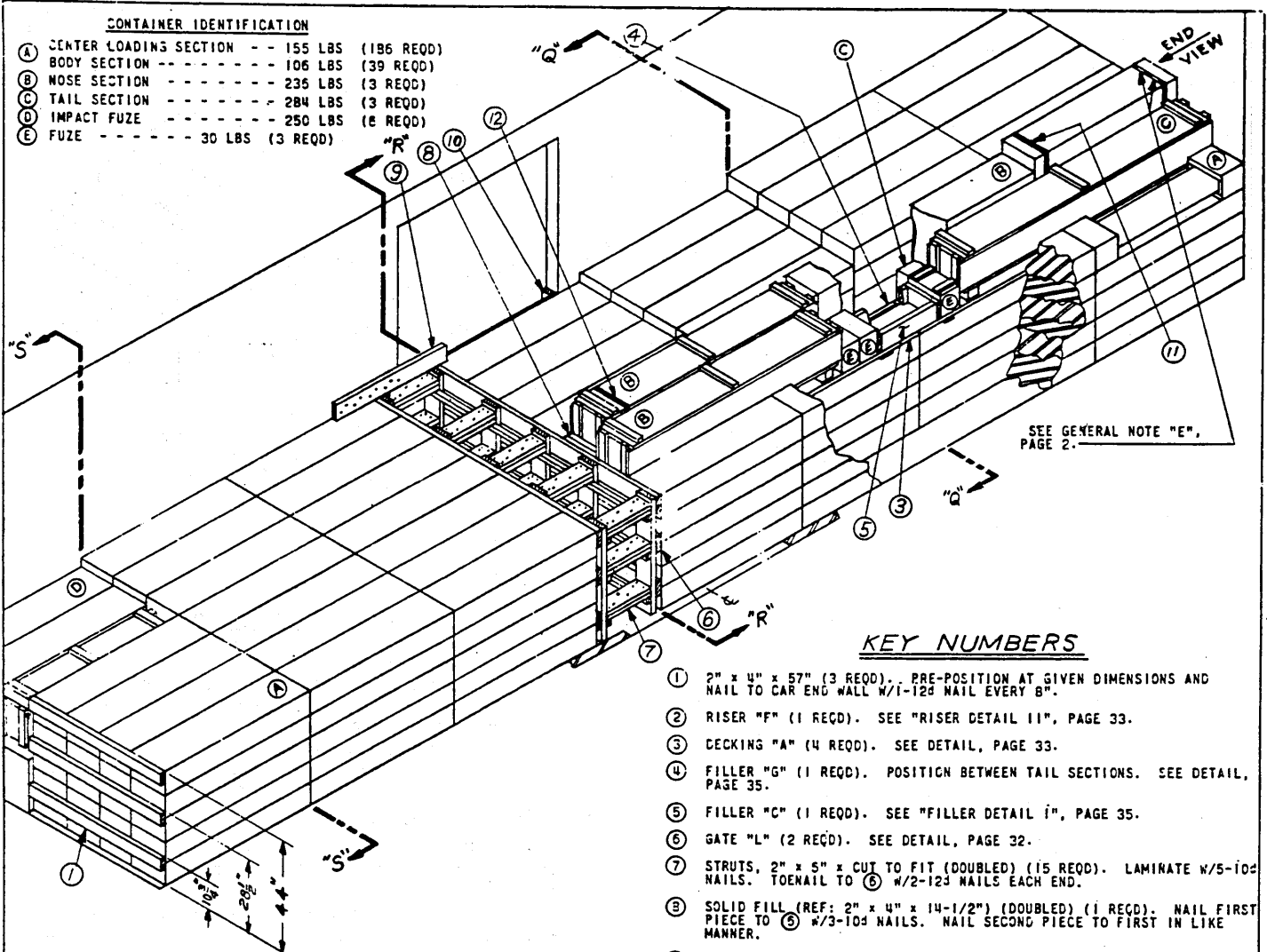
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	1	12,038 LBS
DUNNAGE		629 LBS
TOTAL WEIGHT		12,667 LBS (APPROX)

ONE DEMOLITION KIT IN 9'-2" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (186 REQ'D)
- (B) BODY SECTION - - - - - 106 LBS (39 REQ'D)
- (C) NOSE SECTION - - - - - 235 LBS (3 REQ'D)
- (D) TAIL SECTION - - - - - 284 LBS (3 REQ'D)
- (E) IMPACT FUZE - - - - - 250 LBS (8 REQ'D)
- (F) FUZE - - - - - 30 LBS (3 REQ'D)

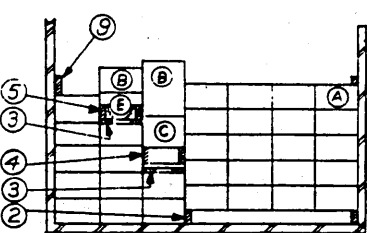


ISOMETRIC VIEW

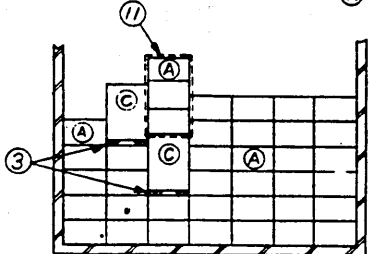
40'-5" x 8'-5" BOX CAR W/5'-0" DOOR OPENING

KEY NUMBERS

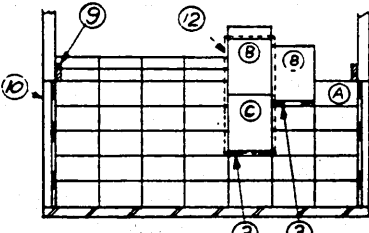
- (1) 2" x 4" x 57" (3 REQ'D). PRE-POSITION AT GIVEN DIMENSIONS AND NAIL TO CAR ENG WALL W/1-12d NAIL EVERY 8".
- (2) RISER "F" (1 REQ'D). SEE "RISER DETAIL 11", PAGE 33.
- (3) DECKING "A" (4 REQ'D). SEE DETAIL, PAGE 33.
- (4) FILLER "G" (1 REQ'D). POSITION BETWEEN TAIL SECTIONS. SEE DETAIL, PAGE 35.
- (5) FILLER "C" (1 REQ'D). SEE "FILLER DETAIL I", PAGE 35.
- (6) GATE "L" (2 REQ'D). SEE DETAIL, PAGE 32.
- (7) STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (15 REQ'D). LAMINATE W/5-10d NAILS. TOENAIL TO (6) W/2-12d NAILS EACH END.
- (8) SOLID FILL (REF: 2" x 4" x 14-1/2") (DOUBLED) (1 REQ'D). NAIL FIRST PIECE TO (5) W/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- (9) GATE HOLD DOWN, 2" x 5" x 48" (2 REQ'D). NAIL TO CAR SIDE WALL W/3-12d NAILS. FOR CARS WITH DOORS GREATER THAN 5'-0" USE 2" x 6" x DOORWAY OPENING PLUS 24".
- (10) DOORWAY PROTECTION "E" (2 REQ'D). SEE DETAIL, PAGE 33.
- (11) STEEL STRAPPING, 1-1/4" x .035" x 8'-0" (2 REQ'D). UNITIZE THREE (3) CENTER LOADING AND/OR BODY SECTIONS.
- (12) STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (1 REQ'D). UNITIZE NOSE SECTION AND TAIL SECTION.



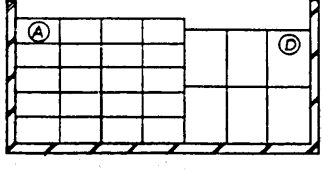
SECTION "Q-Q"



"END VIEW"



SECTION "R-R"



SECTION "S-S"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	10	4
1" x 6"	36	18
2" x 2"	51	17
2" x 3"	15	9
2" x 4"	126	84
2" x 6"	164	164
NAILS	NO. REQ'D	POUNDS
5d (2")	84	1/2
10d (3")	277	4-1/4
12d (3-1/4")	125	2-1/4

STRAPPING, STEEL, 1-1/4" x .035" - - 26' REQ'D - - 4 LBS

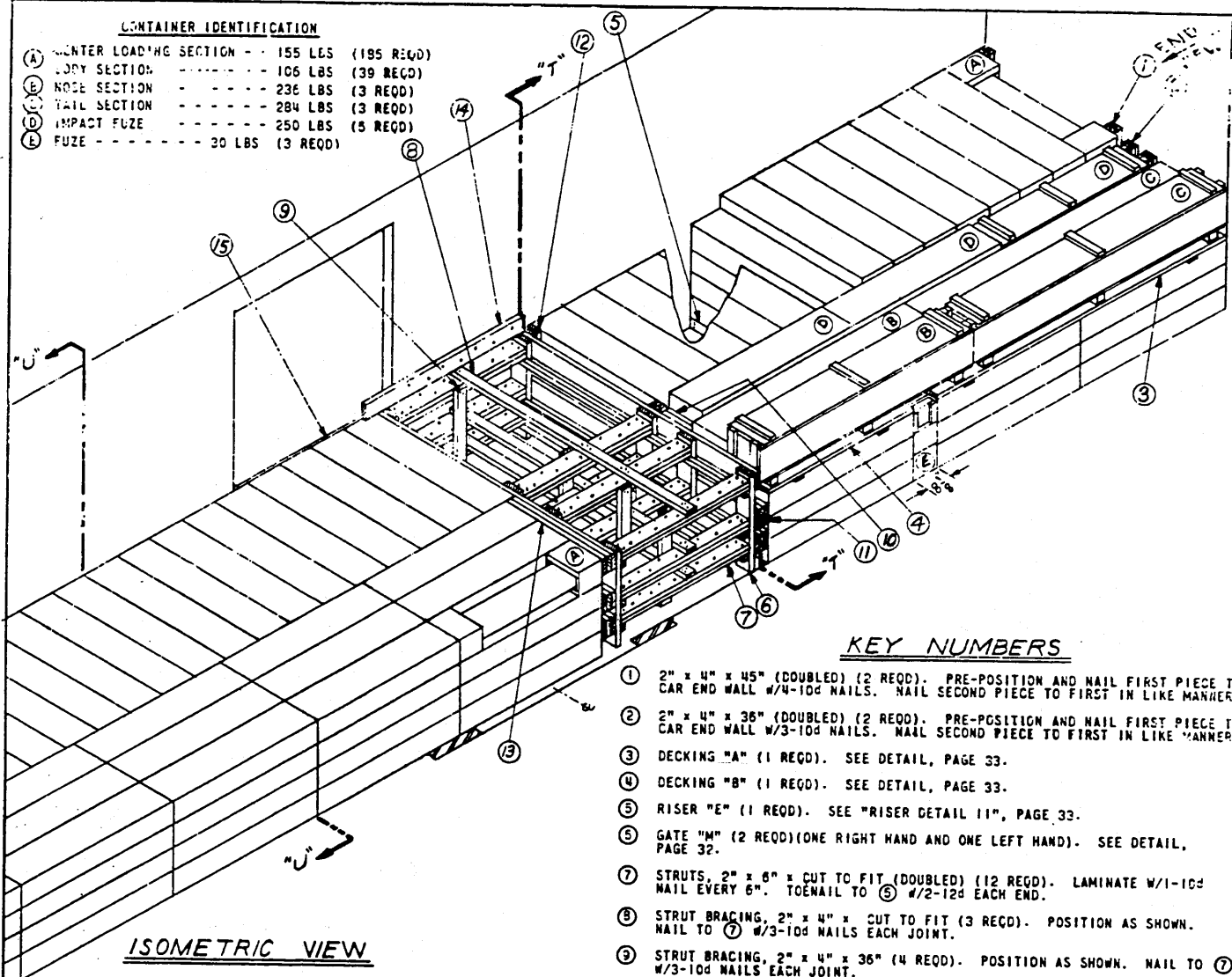
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	3	35,114 LBS
DUNNAGE		749 LBS
TOTAL WEIGHT		36,863 LBS (APPROX)

THREE DEMOLITION KITS IN 8'-6" CAR

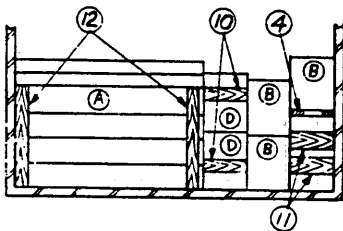
CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (195 REQ'D)
- (B) BODY SECTION - - - - - 106 LBS (39 REQ'D)
- (C) NOSE SECTION - - - - - 236 LBS (3 REQ'D)
- (D) TAIL SECTION - - - - - 284 LBS (3 REQ'D)
- (E) IMPACT FUZE - - - - - 250 LBS (5 REQ'D)
- (F) FUZE - - - - - 30 LBS (3 REQ'D)



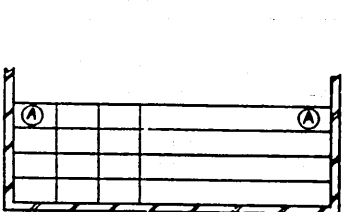
ISOMETRIC VIEW

501-6" x 91-2" BOX CAR W/61-0" DOOR OPENING.

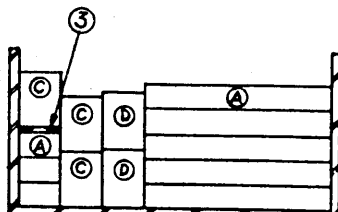


SECTION "T-T"

- (14) GATE HOLD DOWN, 2" x 5" x 61-5" (2 REQ'D). NAIL TO CAR SIDE WALL W/8-12d NAILS. FOR CARS WITH DOORS GREATER THAN 91-0" USE 2" x 5" x DOOR OPENING PLUS 24".
- (15) DOORWAY PROTECTION "F" (2 REQ'D) SEE DETAIL, PAGE 33.



SECTION "U-U"



"END VIEW"

KEY NUMBERS

- (1) 2" x 4" x 45" (DOUBLED) (2 REQ'D). PRE-POSITION AND NAIL FIRST PIECE TO CAR END WALL W/4-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- (2) 2" x 4" x 36" (DOUBLED) (2 REQ'D). PRE-POSITION AND NAIL FIRST PIECE TO CAR END WALL W/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- (3) DECKING "A" (1 REQ'D). SEE DETAIL, PAGE 33.
- (4) DECKING "B" (1 REQ'D). SEE DETAIL, PAGE 33.
- (5) RISER "E" (1 REQ'D). SEE "RISER DETAIL 11", PAGE 33.
- (6) GATE "2" (2 REQ'D)(ONE RIGHT HAND AND ONE LEFT HAND). SEE DETAIL, PAGE 32.
- (7) STRUTS, 2" x 6" x CUT TO FIT (DOUBLED) (12 REQ'D). LAMINATE W/1-10d NAIL EVERY 6". TOENAIL TO (5) W/2-12d EACH END.
- (8) STRUT BRACING, 2" x 4" x CUT TO FIT (3 REQ'D). POSITION AS SHOWN. NAIL TO (7) W/3-10d NAILS EACH JOINT.
- (9) STRUT BRACING, 2" x 4" x 36" (4 REQ'D). POSITION AS SHOWN. NAIL TO (7) W/3-10d NAILS EACH JOINT.
- (10) SOLID FILL, (REF: 2" x 8" x 14-1/2") (DOUBLED) (2 REQ'D). SEE SECTION "T-T". NAIL FIRST PIECE TO (5) W/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- (11) SOLID FILL, (REF: 2" x 6" x 14") (DOUBLED) (2 REQ'D). SEE SECTION "T-T". NAIL FIRST PIECE TO (6) W/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- (12) SOLID FILL, (REF: 2" x 4" x 35") (DOUBLED) (2 REQ'D). SEE SECTION "T-T". NAIL FIRST PIECE TO (6) W/3-10d NAILS EACH JOINT. NAIL SECOND PIECE TO FIRST W/5-10d NAILS.
- (13) SOLID FILL, (REF: 2" x 6" x 43") (DOUBLED) (3 REQ'D). NAIL FIRST PIECE TO (6) W/8-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	5	2
1" x 6"	36	18
2" x 2"	55	19
2" x 3"	12	5
2" x 4"	129	86
2" x 5"	239	239
NAILS		POUNDS
5d (2")	60	1/2
10d (3")	444	7
12d (3-1/4")	84	1-1/2

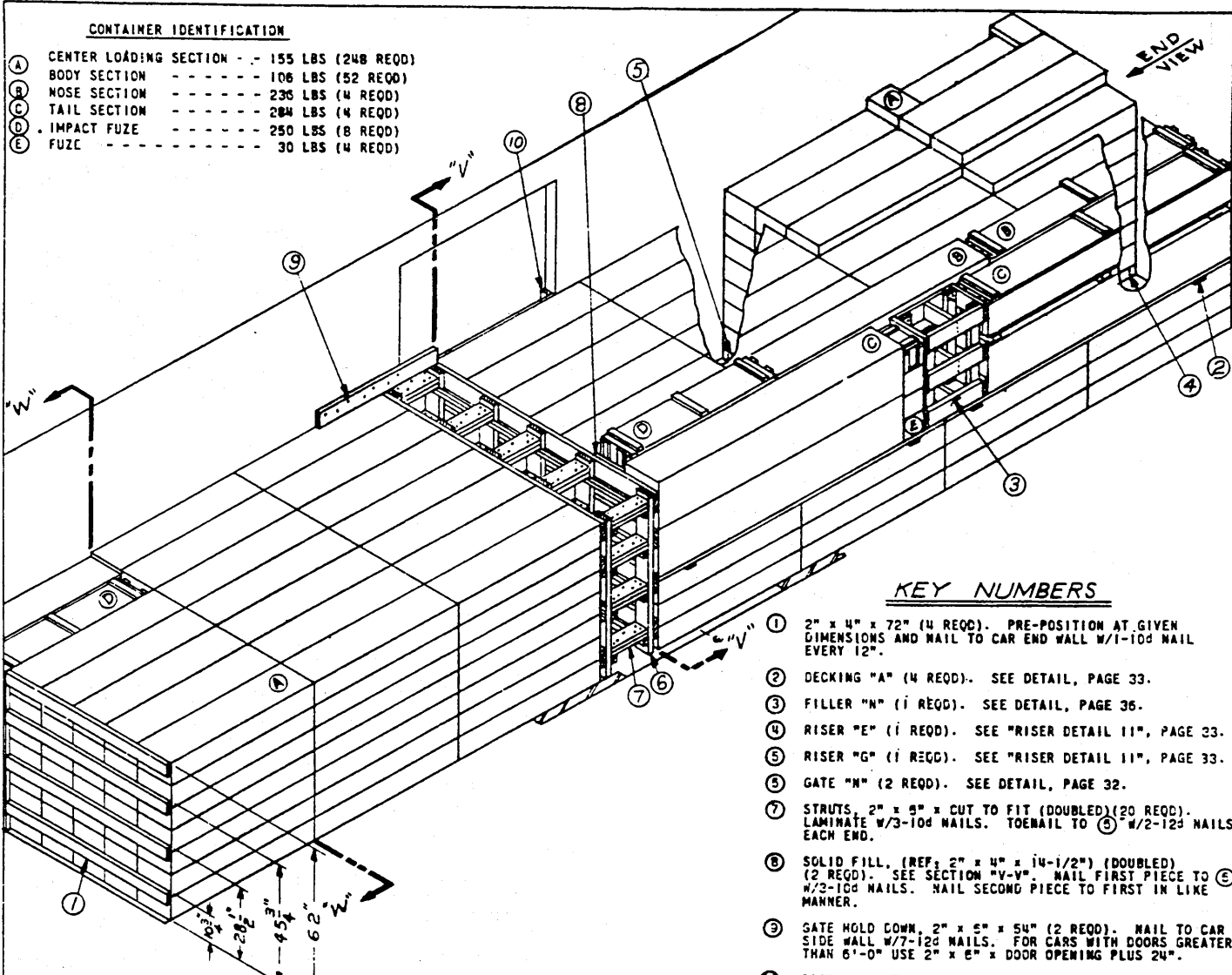
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT - - - - -	3 - - - - -	36,114 LBS
DUNNAGE - - - - -	- - - - -	935 LBS
TOTAL WEIGHT - - - - -	- - - - -	37,049 LBS (APPROX)

THREE DEMOLITION KITS IN 91-2" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (248 REQD)
- (B) BODY SECTION - - - - - 106 LBS (52 REQD)
- (C) NOSE SECTION - - - - - 236 LBS (4 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (4 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (8 REQD)
- (F) FUZE - - - - - 30 LBS (4 REQD)

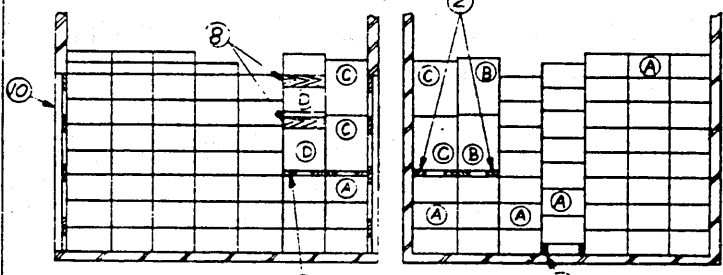


KEY NUMBERS

- ① 2" x 4" x 72" (4 REQD). PRE-POSITION AT GIVEN DIMENSIONS AND NAIL TO CAR END WALL W/1-10d NAIL EVERY 12".
- ② DECKING "A" (4 REQD). SEE DETAIL, PAGE 33.
- ③ FILLER "M" (1 REQD). SEE DETAIL, PAGE 36.
- ④ RISER "E" (1 REQD). SEE "RISER DETAIL 11", PAGE 33.
- ⑤ RISER "G" (1 REQD). SEE "RISER DETAIL 11", PAGE 33.
- ⑥ GATE "N" (2 REQD). SEE DETAIL, PAGE 32.
- ⑦ STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (20 REQD). LAMINATE W/3-10d NAILS. TOENAIL TO ③ W/2-12d NAILS EACH END.
- ⑧ SOLID FILL, (REF: 2" x 4" x 14-1/2") (DOUBLED) (2 REQD). SEE SECTION "V-V". NAIL FIRST PIECE TO W/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ⑨ GATE HOLD DOWN, 2" x 5" x 54" (2 REQD). NAIL TO CAR SIDE WALL W/7-12d NAILS. FOR CARS WITH DOORS GREATER THAN 6'-0" USE 2" x 8" x DOOR OPENING PLUS 24".
- ⑩ DOORWAY PROTECTION "G" (2 REQD). SEE DETAIL, PAGE 33

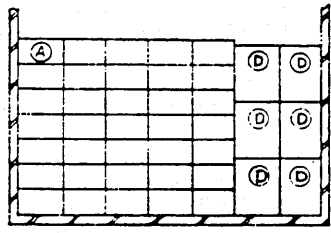
ISOMETRIC VIEW

40'-5" x 8'-6" BOX CAR W/5'-0" DOOR OPENING.



SECTION "V-V"

"END VIEW"



SECTION "W-W"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	10	4
1" x 5"	49	24
2" x 2"	58	23
2" x 3"	21	11
2" x 4"	180	107
2" x 6"	213	213
NAILS	NO. REQD	POUNDS
5d (2")	95	3/4
10d (3")	402	6-1/4
12d (3-1/4")	130	2-1/4

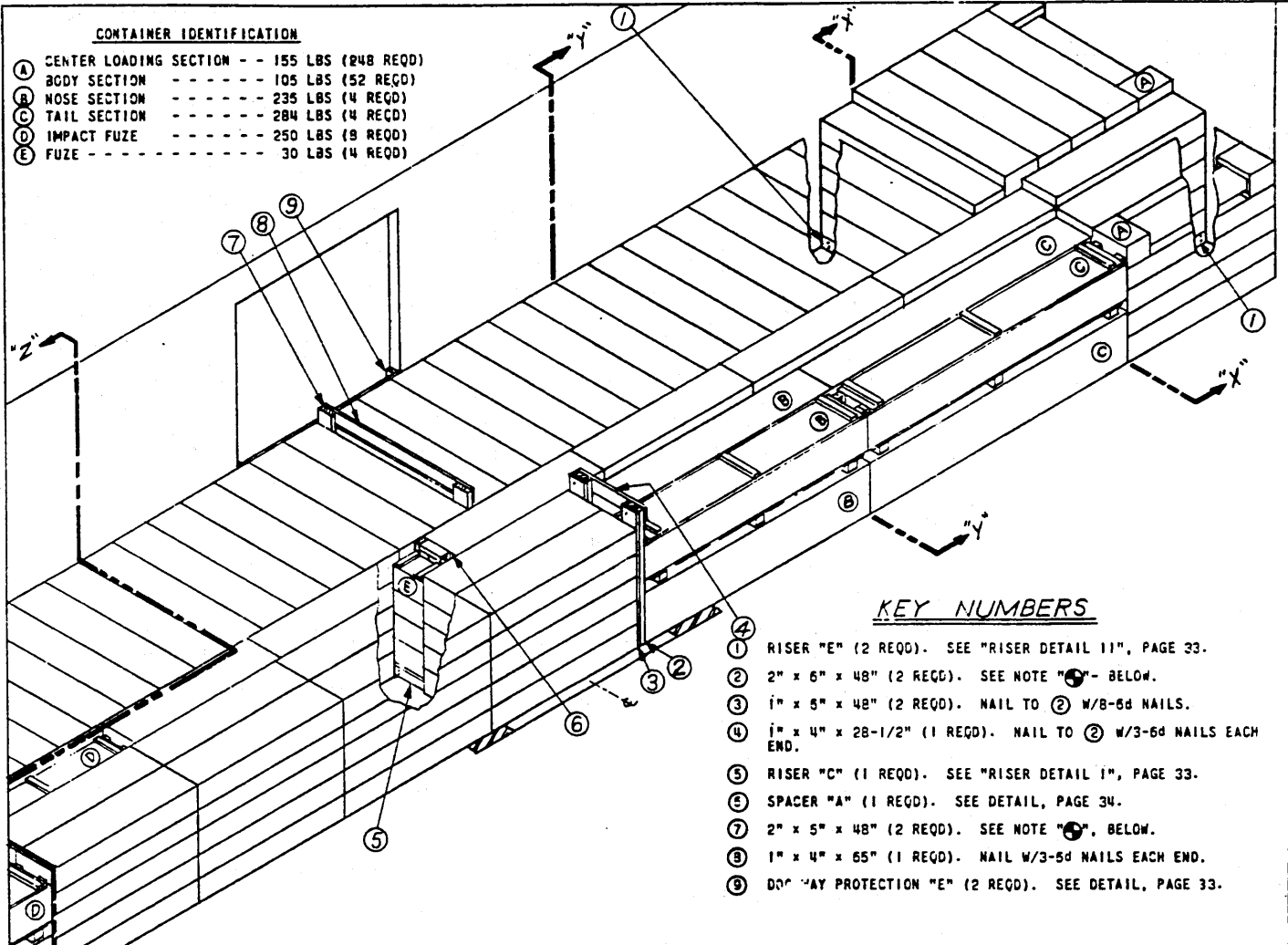
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	4	48,152 LBS
DUNNAGE		965 LBS
TOTAL WEIGHT		49,117 LBS (APPROX)

FOUR DEMOLITION KITS IN 8'-6" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (248 REQD)
- (B) BODY SECTION - - - - - 105 LBS (52 REQD)
- (C) NOSE SECTION - - - - - 235 LBS (4 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (4 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (8 REQD)
- (F) FUZE - - - - - 30 LBS (4 REQD)



ISOMETRIC VIEW

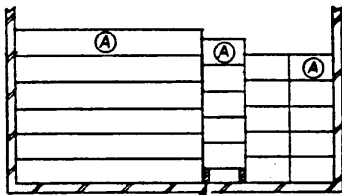
50'-5" x 9'-2" BOX CAR
4/6'-0" DOOR OPENING

KEY NUMBERS

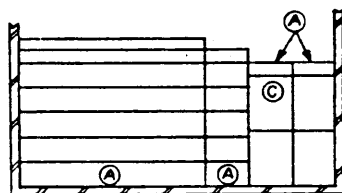
- (1) RISER "E" (2 REQD). SEE "RISER DETAIL 11", PAGE 33.
- (2) 2" x 6" x 48" (2 REQD). SEE NOTE (6) - BELOW.
- (3) 1" x 5" x 48" (2 REQD). NAIL TO (2) W/8-6d NAILS.
- (4) 1" x 4" x 28-1/2" (1 REQD). NAIL TO (2) W/3-6d NAILS EACH END.
- (5) RISER "C" (1 REQD). SEE "RISER DETAIL 1", PAGE 33.
- (6) SPACER "A" (1 REQD). SEE DETAIL, PAGE 34.
- (7) 2" x 5" x 48" (2 REQD). SEE NOTE (6), BELOW.
- (8) 1" x 4" x 65" (1 REQD). NAIL W/3-5d NAILS EACH END.
- (9) DOORWAY PROTECTION "E" (2 REQD). SEE DETAIL, PAGE 33.

NOTE (6):

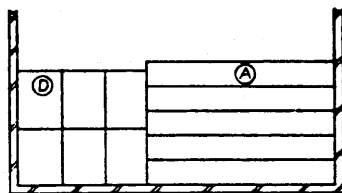
PIECES (2), (3), AND (4), AND PIECES (7) AND (8) MAY BE ADJUSTED OR OMITTED, AS EXCESS SPACE REQUIRES.



SECTION "X-X"



SECTION "Y-Y"



SECTION "Z-Z"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	11	4
1" x 5"	44	22
2" x 3"	15	8
2" x 4"	38	25
2" x 5"	16	15
NAILS	NO. REQD	POUNDS
6d (2")	72	1/2
10d (3")	32	1/2
12d (3-1/4")	15	1/2

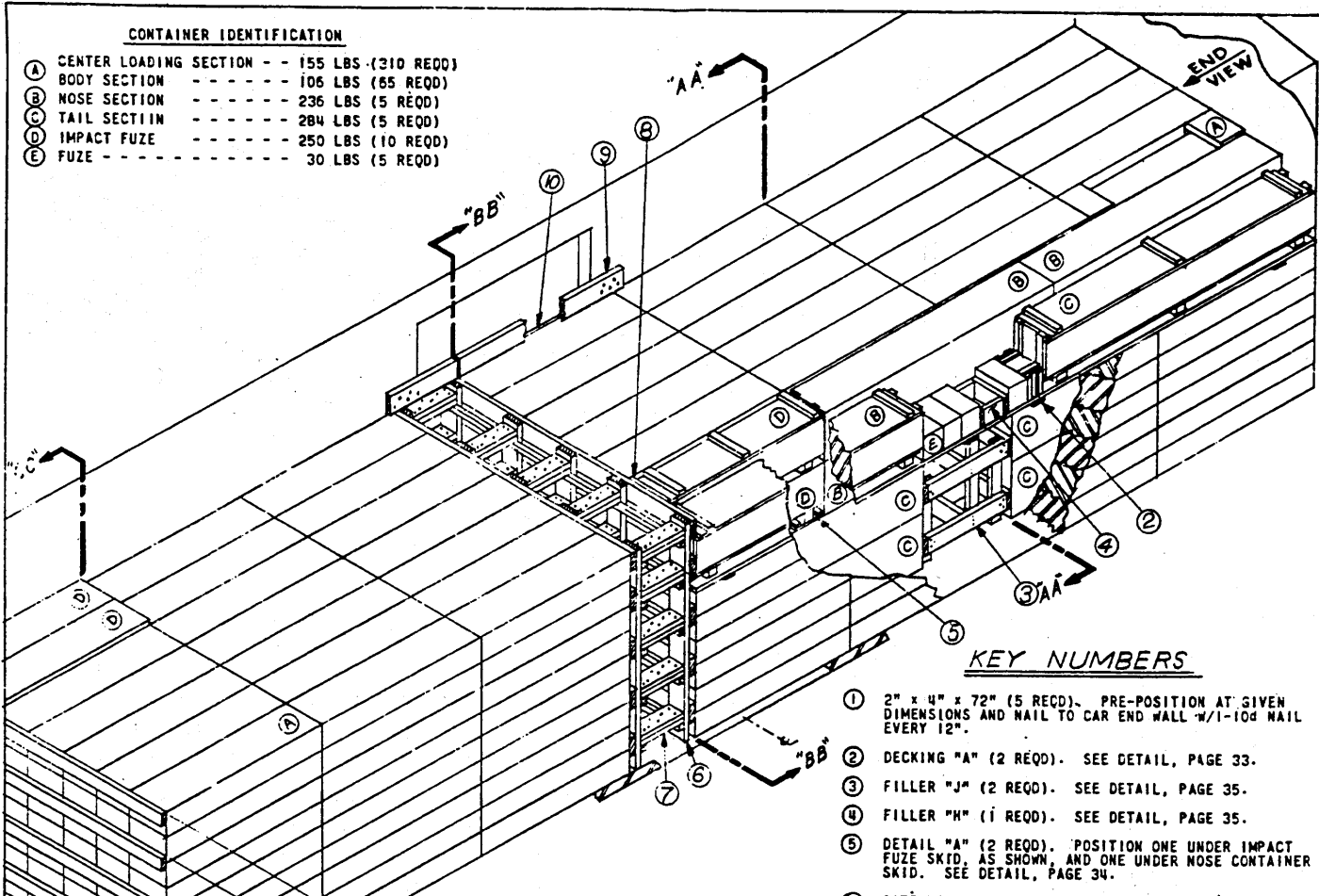
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT - - - - -	4	48,152 LBS
DUNNAGE - - - - -		192 LBS
TOTAL WEIGHT - - - - -		48,344 LBS (APPROX)

FOUR DEMOLITION KITS IN 9'-2" CAR

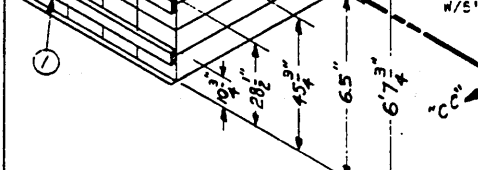
CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (310 REQD)
- (B) BODY SECTION - - - - - 106 LBS (85 REQD)
- (C) NOSE SECTION - - - - - 236 LBS (5 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (5 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (10 REQD)
- (F) FUZE - - - - - 30 LBS (5 REQD)



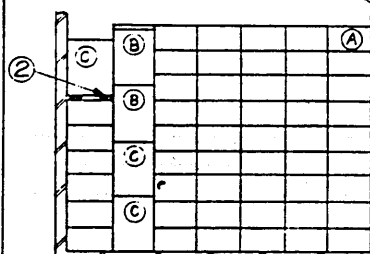
ISOMETRIC VIEW

40'-5" x 8'-6" BOX CAR
W/5'-0" DOOR OPENING

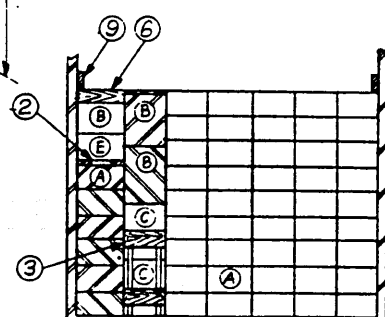


KEY NUMBERS

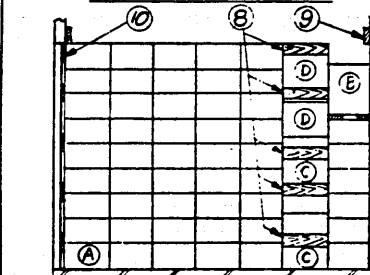
- (1) 2" x 4" x 72" (5 REQD). PRE-POSITION AT GIVEN DIMENSIONS AND NAIL TO CAR END WALL W/1-10d NAIL EVERY 12".
- (2) DECKING "A" (2 REQD). SEE DETAIL, PAGE 33.
- (3) FILLER "J" (2 REQD). SEE DETAIL, PAGE 35.
- (4) FILLER "H" (1 REQD). SEE DETAIL, PAGE 35.
- (5) DETAIL "A" (2 REQD). POSITION ONE UNDER IMPACT FUZE SKID, AS SHOWN, AND ONE UNDER NOSE CONTAINER SKID. SEE DETAIL, PAGE 34.
- (6) GATE "E" (2 REQD). SEE DETAIL, PAGE 37.
- (7) STRUTS, 2" x 5" x CUT TO FIT (DOUBLED) (25 REQD). LAMINATE W/4-10d NAILS. TOENAIL TO (5) W/2-12d NAILS EACH END.
- (8) SOLID FILL, (REF: 2" x 4" x 14-1/2") (5 REQD). SEE SECTION "BB-BB". NAIL TO (6) W/3-10d NAILS.
- (9) GATE HOLD DOWN, 2" x 5" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- (10) DOORWAY PROTECTION "D" (2 REQD). SEE DETAIL, PAGE 33.



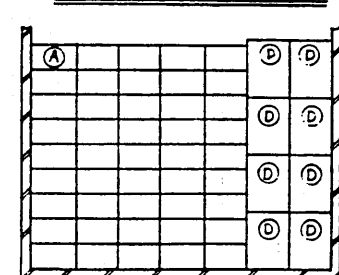
"END VIEW"



SECTION "AA-AA"



SECTION "BB-BB"



SECTION "CC-CC"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 2"	5	1
J" x 4"	9	3
1" x 6"	60	30
2" x 2"	92	31
2" x 3"	27	14
2" x 4"	90	50
2" x 5"	259	269
NAILS		POUNDS
6d (2")	100	2 3/4
10d (3")	467	7-1/4
12d (3-1/4")	169	3

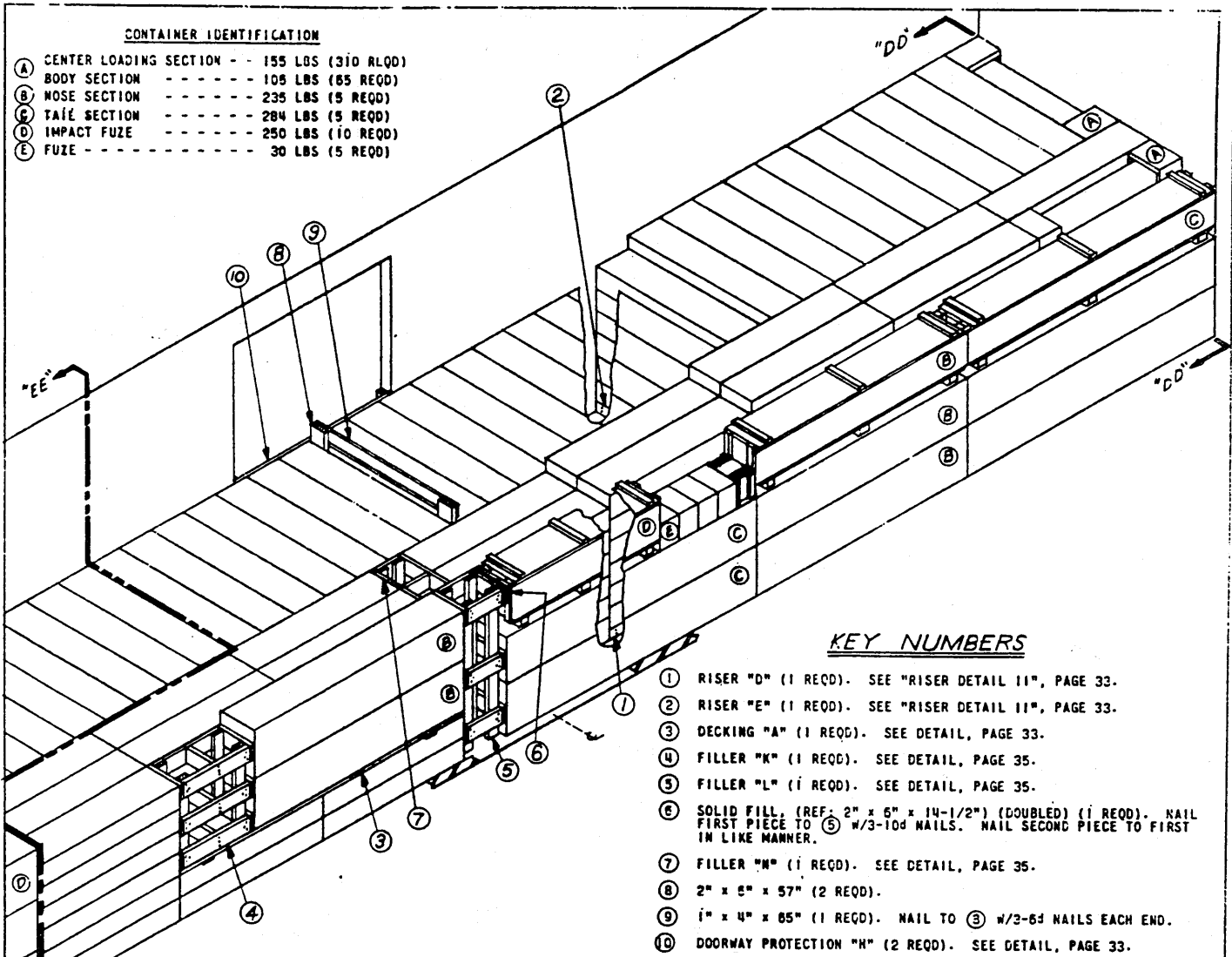
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT-(APPROX)
DEMOLITION KIT - - - - -	5 - - - - -	60,190 LBS
DUNNAGE - - - - -	- - - - -	1,032 LBS
TOTAL WEIGHT - - - - -	- - - - -	61,222 LBS (APPROX)

FIVE DEMOLITION KITS IN 8'-6" CAR

CONTAINER IDENTIFICATION

- A CENTER LOADING SECTION - - 155 LBS (310 REQD)
- B BODY SECTION - - - - - 105 LBS (65 REQD)
- B NOSE SECTION - - - - - 235 LBS (5 REQD)
- C TAIL SECTION - - - - - 284 LBS (5 REQD)
- D IMPACT FUZE - - - - - 250 LBS (10 REQD)
- E FUZE - - - - - 30 LBS (5 REQD)

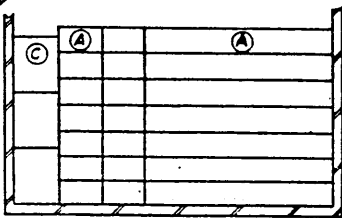


KEY NUMBERS

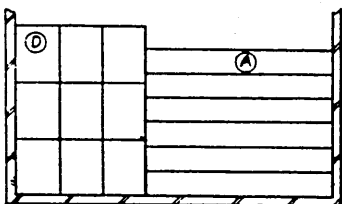
- ① RISER "D" (1 REQD). SEE "RISER DETAIL 11", PAGE 33.
- ② RISER "E" (1 REQD). SEE "RISER DETAIL 11", PAGE 33.
- ③ DECKING "A" (1 REQD). SEE DETAIL, PAGE 33.
- ④ FILLER "K" (1 REQD). SEE DETAIL, PAGE 35.
- ⑤ FILLER "L" (1 REQD). SEE DETAIL, PAGE 35.
- ⑥ SOLID FILL, (REF: 2" x 6" x 14-1/2") (DOUBLED) (1 REQD). NAIL FIRST PIECE TO ⑤ w/3-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ⑦ FILLER "M" (1 REQD). SEE DETAIL, PAGE 35.
- ⑧ 2" x 6" x 57" (2 REQD).
- ⑨ 1" x 4" x 65" (1 REQD). NAIL TO ③ w/3-6d NAILS EACH END.
- ⑩ DOORWAY PROTECTION "H" (2 REQD). SEE DETAIL, PAGE 33.

ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR
w/6'-0" DOOR OPENING



SECTION "DD-DD"



SECTION "EE-EE"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	8	3
1" x 6"	48	24
2" x 3"	18	9
2" x 4"	99	56
2" x 8"	85	85
NAILS	NO REQD	POUNDS
6d (2")	66	1/2
10d (3")	304	4-3/4
12d (3-1/4")	20	1/2

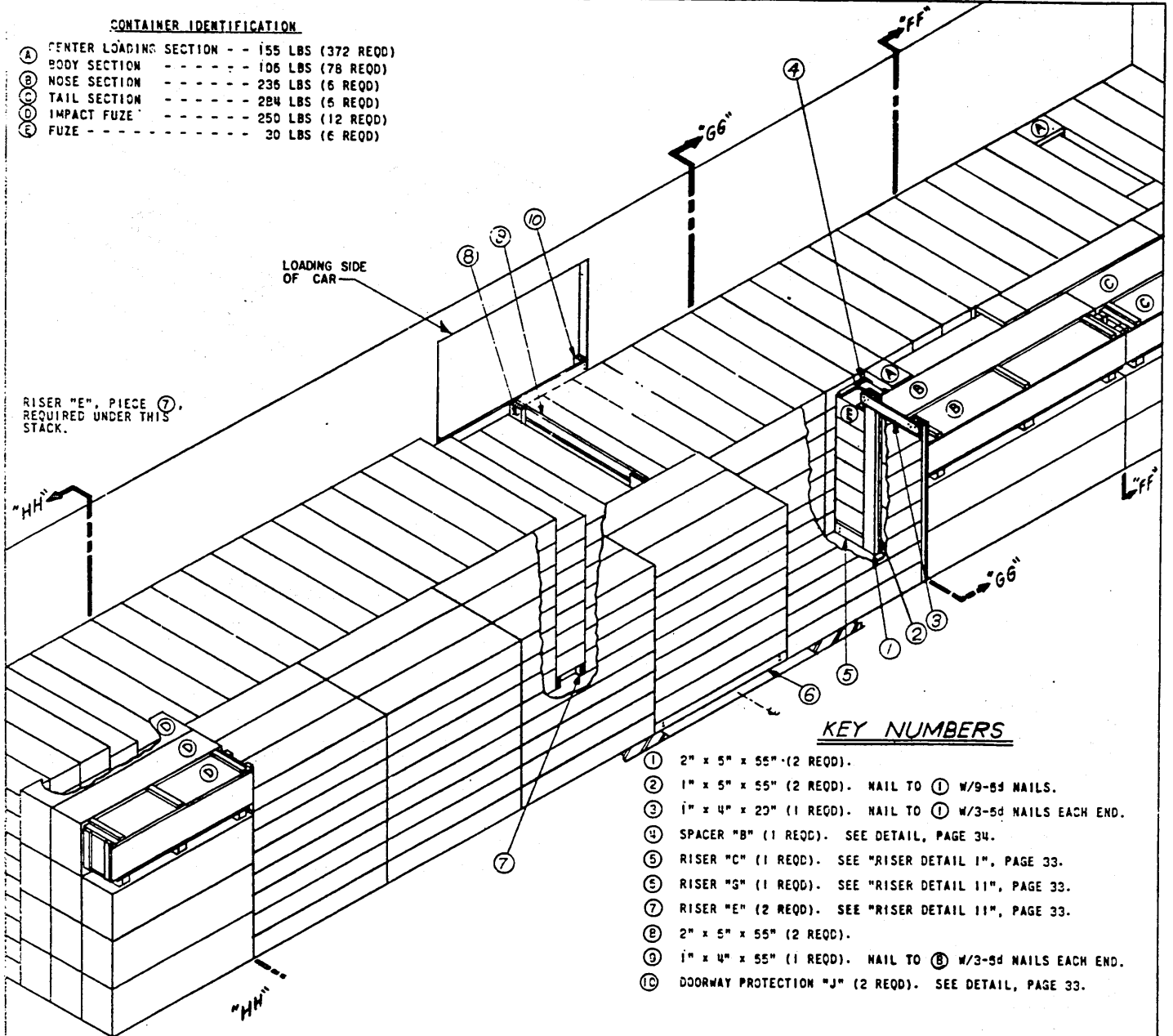
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	5	80,100 LBS
DUNNAGE		474 LBS
TOTAL WEIGHT		80,564 LBS (APPROX)

FIVE DEMOLITION KITS IN 9'-2" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (372 REQD)
- BODY SECTION - - - - - 106 LBS (78 REQD)
- (B) NOSE SECTION - - - - - 236 LBS (6 REQD)
- (C) TAIL SECTION - - - - - 284 LBS (6 REQD)
- (E) IMPACT FUZE - - - - - 250 LBS (12 REQD)
- (F) FUZE - - - - - 30 LBS (6 REQD)

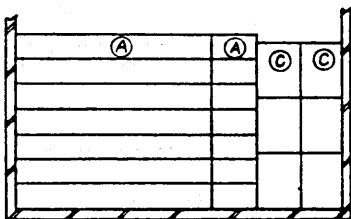


KEY NUMBERS

- (1) 2" x 5" x 55" (2 REQD).
- (2) 1" x 5" x 55" (2 REQD). NAIL TO (1) W/9-8d NAILS.
- (3) 1" x 4" x 29" (1 REQD). NAIL TO (1) W/3-5d NAILS EACH END.
- (4) SPACER "B" (1 REQD). SEE DETAIL, PAGE 34.
- (5) RISER "C" (1 REQD). SEE "RISER DETAIL I", PAGE 33.
- (6) RISER "G" (1 REQD). SEE "RISER DETAIL II", PAGE 33.
- (7) RISER "E" (2 REQD). SEE "RISER DETAIL II", PAGE 33.
- (8) 2" x 5" x 55" (2 REQD).
- (9) 1" x 4" x 55" (1 REQD). NAIL TO (8) W/3-5d NAILS EACH END.
- (10) DOORWAY PROTECTION "J" (2 REQD). SEE DETAIL, PAGE 33.

ISOMETRIC VIEW

59'-6" x 9'-2" BOX CAR
W/6'-0" DOOR OPENING.



SECTION "FF-FF"

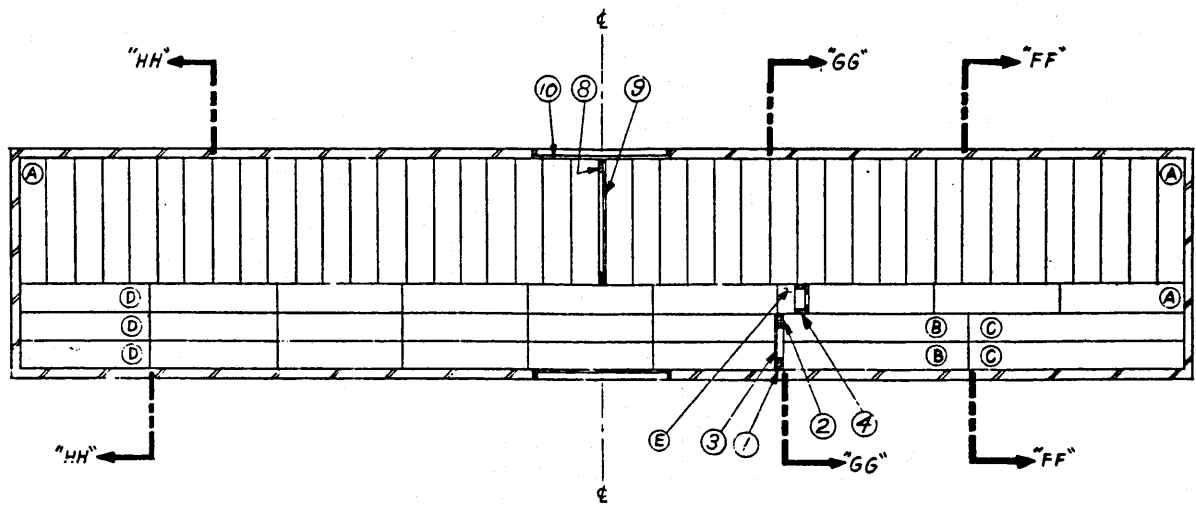
BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	20	7
1" x 6"	83	42
2" x 3"	22	11
2" x 4"	46	31
2" x 5"	34	34
NAILS	NO. REQD	POUNDS
8d (2")	130	1
10d (3")	44	3/4
12d (3-1/4")	24	1/2

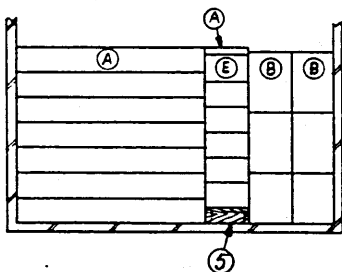
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ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	6	72,228 LBS
DUNNAGE		315 LBS
TOTAL WEIGHT		72,543 (APPROX)

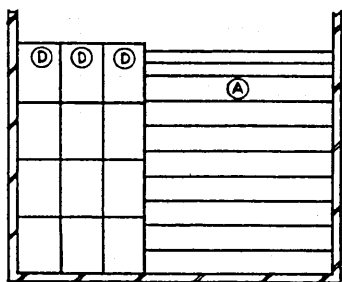
SIX DEMOLITION KITS IN 9'-2" CAR



PLAN VIEW



SECTION "GG-GG"



SECTION "HH-HH"

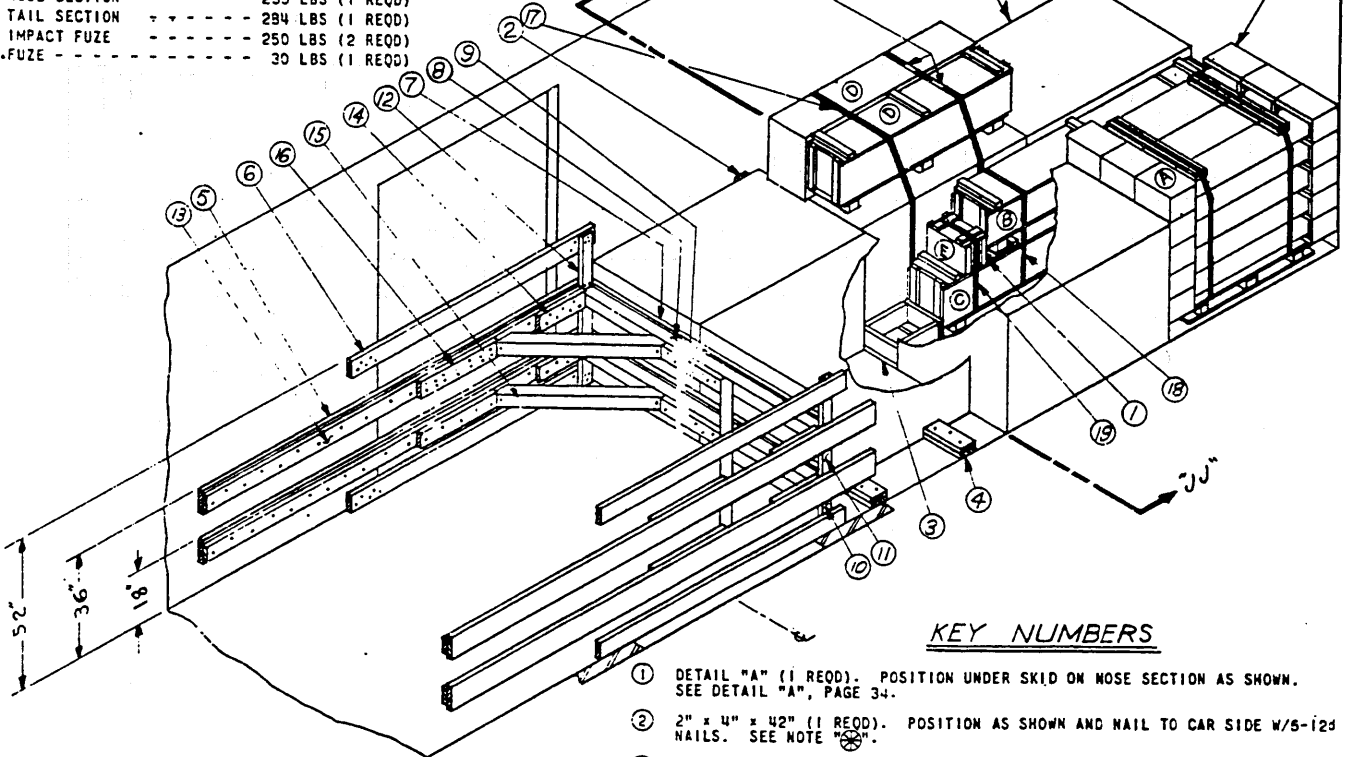
CONTAINER IDENTIFICATION

- Ⓐ CENTER LOADING SECTION -- 155 LBS (62 REQD)
- Ⓑ BODY SECTION ----- 105 LBS (13 REQD)
- Ⓒ NOSE SECTION ----- 235 LBS (1 REQD)
- Ⓓ TAIL SECTION ----- 294 LBS (1 REQD)
- Ⓔ IMPACT FUZE ----- 250 LBS (2 REQD)
- Ⓕ FUZE ----- 30 LBS (1 REQD)

SEE GENERAL NOTE "E",
PAGE 2.

SEE "PALLET DETAIL A",
PAGE 36.

SEE "PALLET DETAIL B",
PAGE 36.



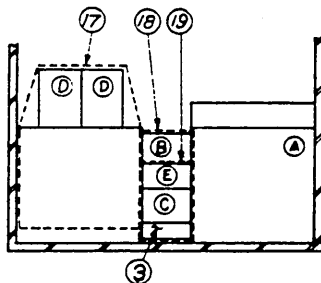
ISOMETRIC VIEW

8'-6" WIDE BOX CAR W/6'-0"
DOOR OPENING.

KEY NUMBERS

- ① DETAIL "A" (1 REQD). POSITION UNDER SKID ON NOSE SECTION AS SHOWN. SEE DETAIL "A", PAGE 34.
- ② 2" x 4" x 42" (1 REQD). POSITION AS SHOWN AND NAIL TO CAR SIDE W/5-12d NAILS. SEE NOTE "G".
- ③ FILLER "D" (1 REQD). SEE "FILLER DETAIL I", PAGE 35.
- ④ 2" x 5" x CUT TO FIT (DOUBLED) (2 REQD). POSITION AGAINST STRONG POINTS ON PALLET. NAIL FIRST PIECE TO CAR FLOOR W/3-15d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ⑤ 2" x 2" x 14'-0" (REF) (4 REQD). PRE-POSITION ACROSS DOOR OPENING WITH 24" CONTACTING CAR WALL ON LOAD END AND 5'-0" (MIN) ON OPPOSITE END. NAIL TO CAR-SIDE WALL W/16-12d NAILS. SEE NOTE "G".
- ⑥ 2" x 5" x DOOR OPENING PLUS 24" (4 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END. SEE NOTE "G".
- ⑦ 2" x 6" x CAR WIDTH MINUS 3-1/4" (2 REQD). NAIL TO ⑤ W/1-12d NAIL EVERY 9".
- ⑧ 4" x 4" x CAR WIDTH MINUS 3-1/4" (2 REQD).
- ⑨ 2" x 4" x 24-3/4" (2 REQD). NAIL TO ⑧ W/6-16d NAILS.
- ⑩ 2" x 4" x 12-1/2" (2 REQD). NAIL TO ⑤ W/2-10d NAILS. NAIL TO ⑤ W/3-10d NAILS.
- ⑪ 2" x 4" x 14" (2 REQD). NAIL TO ⑤ W/2-10d NAILS EACH END.
- ⑫ 2" x 4" x 18" (4 REQD). NAIL TO ⑤ W/2-10d NAILS. NAIL TO ⑥ W/3-10d NAILS.
- ⑬ 2" x 5" x CUT TO FIT (REF: 12'-8") (4 REQD). NAIL TO ⑤ W/1-10d NAIL EVERY 8".
- ⑭ 2" x 5" x 18" (4 REQD). NAIL TO ⑬ W/7-16d NAILS.

- ⑮ BRACE, 4" x 4" x 50" (4 REQD). SEE DETAIL, PAGE 35. TOENAIL TO ⑧ AND W/1-50d NAIL EACH END.
- ⑯ 2" x 5" x 30" (4 REQD), NAIL TO ⑬ W/14-15d NAILS.
- ⑰ STEEL STRAPPING, 1-1/4" x .035" x 17'-0" (2 REQD).
- ⑱ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (2 REQD).
- ⑳ STEEL STRAPPING, 1-1/4" x .035" x 9'-0" (1 REQD).



SECTION "JJ-JJ"

NOTE "G":

PIECES ②, ⑤ AND ⑥ MUST BE INSTALLED PRIOR TO PLACEMENT OF CONTAINERS ADJACENT THERETO.

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 2"	3	1
1" x 4"	2	1
2" x 4"	18	12
2" x 6"	124	124
2" x 8"	56	75
4" x 4"	35	47
NAILS		POUNDS
5d (2")	8	1/4
10d (3")	130	2
12d (3-1/4")	156	2-3/4
16d (3-1/2")	108	2-1/2
50d (5")	8	1
STRAPPING, STEEL, 1-1/4" x .035" -- 62' REQD --		9 LBS

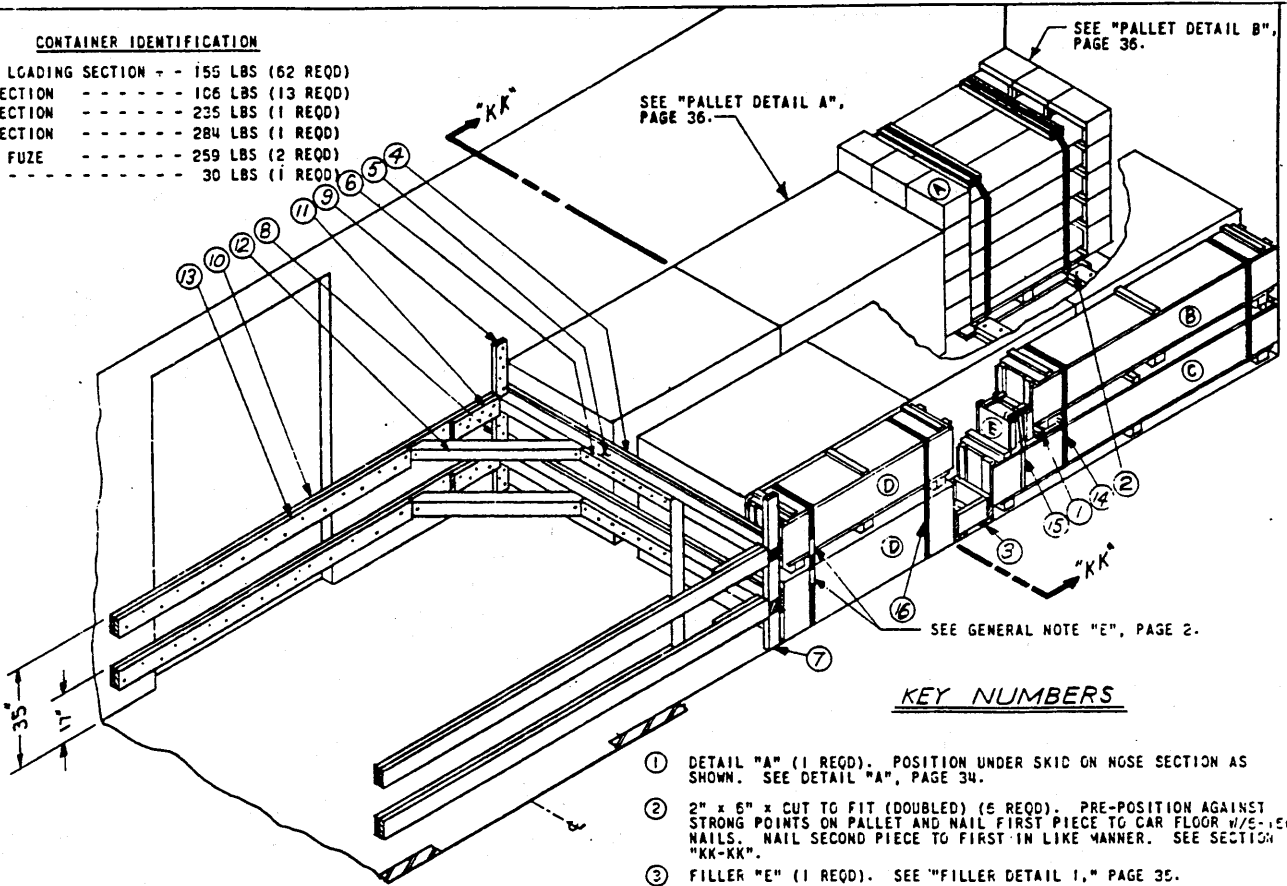
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ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	1	12,857 LBS
CUNNAGE		568 LBS
TOTAL WEIGHT		13,325 LBS (APPROX)

ONE DEMOLITION KIT, CENTER LOADING AND BODY SECTION PALLETIZED, IN 8'-6" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION - - 155 LBS (62 REQD)
- (B) BODY SECTION - - - - - 106 LBS (13 REQD)
- (C) NOSE SECTION - - - - - 235 LBS (1 REQD)
- (D) TAIL SECTION - - - - - 284 LBS (1 REQD)
- (E) IMPACT FUZE - - - - - 259 LBS (2 REQD)
- (F) FUZE - - - - - 30 LBS (1 REQD)

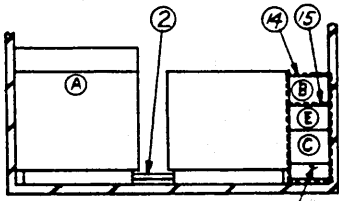


ISOMETRIC VIEW

9'-2" WIDE BOX CAR W/6'-0" DOOR OPENING.

KEY NUMBERS

- ① DETAIL "A" (1 REQD). POSITION UNDER SKID ON NOSE SECTION AS SHOWN. SEE DETAIL "A", PAGE 34.
- ② 2" x 6" x CUT TO FIT (DOUBLED) (6 REQD). PRE-POSITION AGAINST STRONG POINTS ON PALLET AND NAIL FIRST PIECE TO CAR FLOOR W/5-16d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER. SEE SECTION "KK-KK".
- ③ FILLER "E" (1 REQD). SEE "FILLER DETAIL 1," PAGE 35.
- ④ 2" x 5" x CAR WIDTH (2 REQD). NAIL TO ⑤ W/1-12d NAIL EVERY 8".
- ⑤ 4" x 4" x CAR WIDTH (2 REQD).
- ⑥ 2" x 4" x 35" (2 REQD). NAIL TO ⑤ W/7-16d NAILS.
- ⑦ 2" x 4" x 12-1/2" (2 REQD). NAIL TO CAR SIDE WALL W/3-12d NAILS.
- ⑧ 2" x 4" x 14" (2 REQD). NAIL TO CAR SIDE WALL W/3-12d NAILS.
- ⑨ 2" x 4" x 18" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS.
- ⑩ 2" x 5" x CUT TO EXTEND ACROSS DOOR PLUS 18" (4 REQD). NAIL TO CAR SIDE WALL W/15-12d NAILS. FOR CARS WITH WIDER DOOR OPENINGS A MINIMUM OF 72" MUST CONTACT CAR SIDE WALL.
- ⑪ 2" x 5" x 18" (4 REQD). NAIL TO ⑩ W/7-16d NAILS.
- ⑫ BRACE, 4" x 4" x 50" (4 REQD). SEE DETAIL, PAGE 36. TO NAIL TO ⑤ AND ⑬ W/1-50d NAIL EACH END.
- ⑬ 2" x 5" x CUT TO FIT (REF: 12'-C") (4 REQD). NAIL TO ⑩ W/1-15d NAIL EVERY 8".
- ⑭ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (2 REQD).
- ⑮ STEEL STRAPPING, 1-1/4" x .035" x 9'-0" (1 REQD).
- ⑯ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (2 REQD).



SECTION "KK-KK"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 2"	3	1
1" x 4"	2	1
2" x 4"	15	11
2" x 6"	137	137
4" x 4"	35	48
NAILS	NO. REQD	-POUNDS
5d (2")	8	1/4
10d (3")	25	1/2
12d (3 1/4")	122	2-1/4
15d (3 1/2")	144	3-1/4
50d (6")	8	1
STRAPPING, STEEL, 1-1/4" x .035" -- 48' REQD-- 7 LBS		

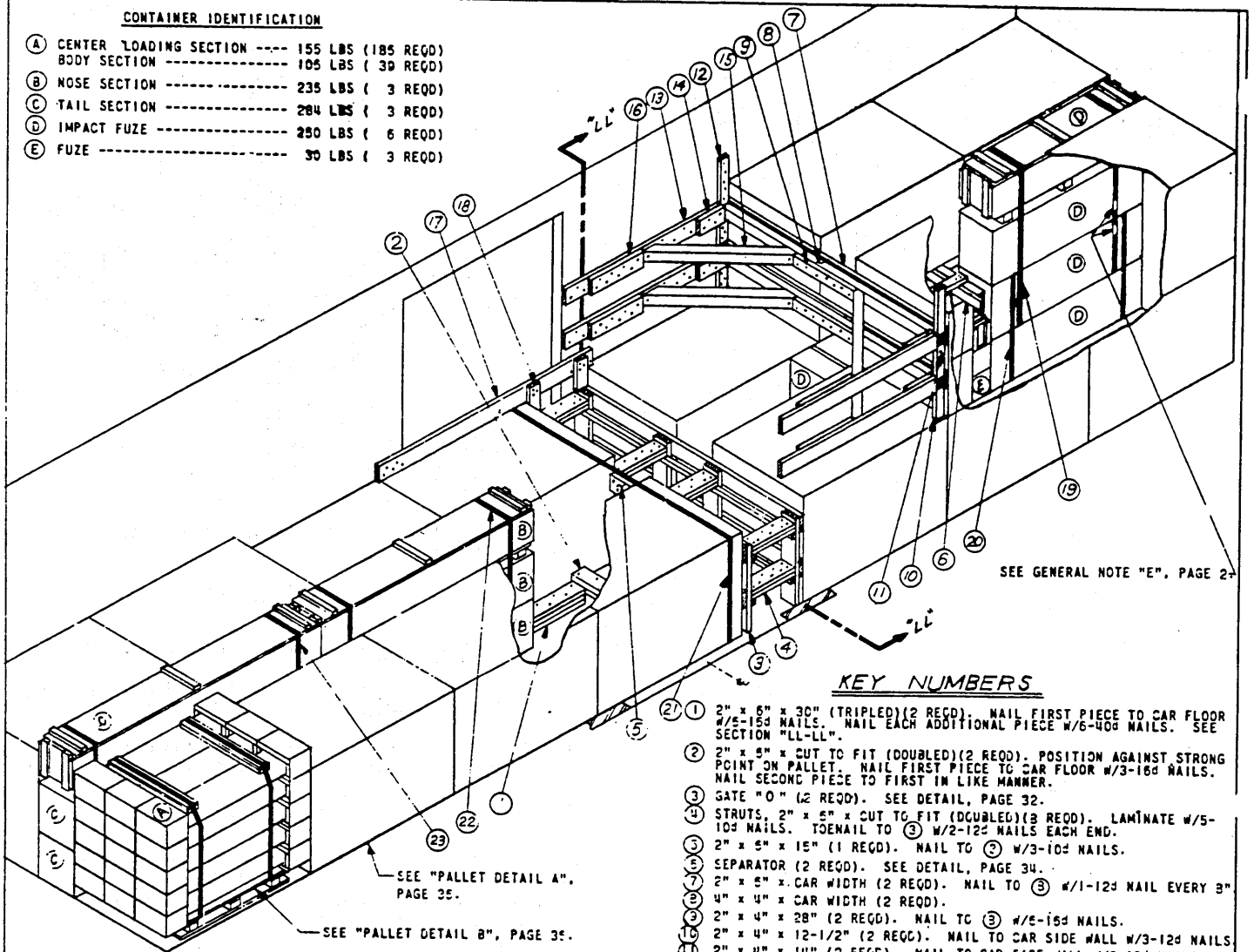
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	1	12,657 LBS
DUNNAGE		510 LBS
TOTAL WEIGHT		13,167 LBS (APPROX)

ONE DEMOLITION KIT, CENTER LOADING AND BODY SECTION PALLETIZED, IN 9'-2" CAR

CONTAINER IDENTIFICATION

- (A) CENTER LOADING SECTION ----- 155 LBS (185 REQD)
- BODY SECTION ----- 105 LBS (39 REQD)
- (B) NOSE SECTION ----- 235 LBS (3 REQD)
- (C) TAIL SECTION ----- 284 LBS (3 REQD)
- (D) IMPACT FUZE ----- 250 LBS (6 REQD)
- (E) FUZE ----- 30 LBS (3 REQD)



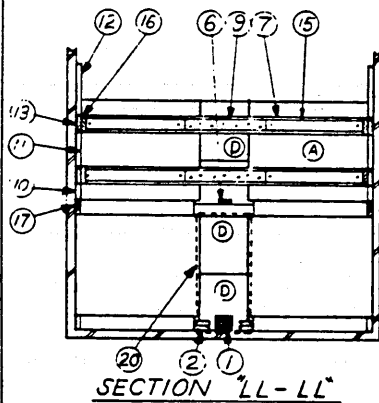
KEY NUMBERS

- ① 2" x 5" x 30" (TRIPLED)(2 REQD). NAIL FIRST PIECE TO CAR FLOOR W/5-15d NAILS. NAIL EACH ADDITIONAL PIECE W/6-40d NAILS. SEE SECTION "LL-LL".
- ② 2" x 5" x CUT TO FIT (DOUBLED)(2 REQD). POSITION AGAINST STRONG POINT ON PALLET. NAIL FIRST PIECE TO CAR FLOOR W/3-16d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ③ GATE "O" (2 REQD). SEE DETAIL, PAGE 32.
- ④ STRUTS, 2" x 5" x CUT TO FIT (DOUBLED)(3 REQD). LAMINATE W/5-10d NAILS. TO NAIL TO ③ W/2-12d NAILS EACH END.
- ⑤ 2" x 5" x 15" (1 REQD). NAIL TO ② W/3-10d NAILS.
- ⑥ SEPARATOR (2 REQD). SEE DETAIL, PAGE 34.
- ⑦ 2" x 5" x CAR WIDTH (2 REQD). NAIL TO ⑤ W/1-12d NAIL EVERY 3"
- ⑧ 4" x 4" x CAR WIDTH (2 REQD).
- ⑨ 2" x 4" x 28" (2 REQD). NAIL TO ③ W/5-15d NAILS.
- ⑩ 2" x 4" x 12-1/2" (2 REQD). NAIL TO CAR SIDE WALL W/3-12d NAILS.
- ⑪ 2" x 4" x 14" (2 REQD).
- ⑫ 2" x 4" x 18" (2 REQD). NAIL TO CAR SIDE WALL W/3-12d NAILS.
- ⑬ 2" x 5" x 7C" (4 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS. FOR CARS WITH DOOR OPENINGS GREATER THAN 72" EXTEND PIECE ACROSS DOORWAY PLUS 24".
- ⑭ 2" x 5" x 12" (4 REQD). NAIL TO ⑬ W/4-16d NAILS.
- ⑮ BRACE, 4" x 4" x 5C" (4 REQD). SEE DETAIL, PAGE 35. TO NAIL TO ⑧ AND ⑬ W/1-6d NAIL EACH END.
- ⑯ 2" x 5" x 24" (4 REQD). NAIL TO ③ W/8-18d NAILS.
- ⑰ GATE HOLD DOWN, 2" x 5" x DOOR OPENING PLUS 24". NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑱ 2" x 4" x CUT TO FIT (4 REQD). NAIL TO ⑰ W/3-10d NAILS.

ISOMETRIC VIEW

40'-5" x 8'-6" BOX CAR W/5'-0" DOOR OPENING

- ⑲ STEEL STRAPPING, 1-1/4" x .035" x 14'-0" (2 REQD).
- ⑳ STEEL STRAPPINGS, 1-1/4" x .035" x 10'-0" (4 REQD).
- ㉑ STEEL STRAPPING, 1-1/4" x .035" x 32'-0" (1 REQD).
- ㉒ STEEL STRAPPING, 1-1/4" x .035" x 14'-0" (2 REQD).
- ㉓ STEEL STRAPPING, 1-1/4" x .035" x 14'-0" (2 REQD).



BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	34	12
2" x 4"	34	23
2" x 5"	177	177
4" x 4"	41	55
NAILS	NO. REQD	POUNDS
10d (3")	159	2-3/4
12d (3-1/4")	144	2-1/2
15d (3-1/2")	84	2
40d (5")	24	1-1/2
50d (5")	8	1

STRAPPING, STEEL, 1-1/4" x .035" - 155' REQD - 23 LBS

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	3	37,971 LBS
DUNNAGE		761 LBS
TOTAL WEIGHT		38,732 LBS (APPROX)

THREE DEMOLITION KITS, CENTER LOADING AND BODY SECTION PALLETIZED, IN 8'-6" CAR

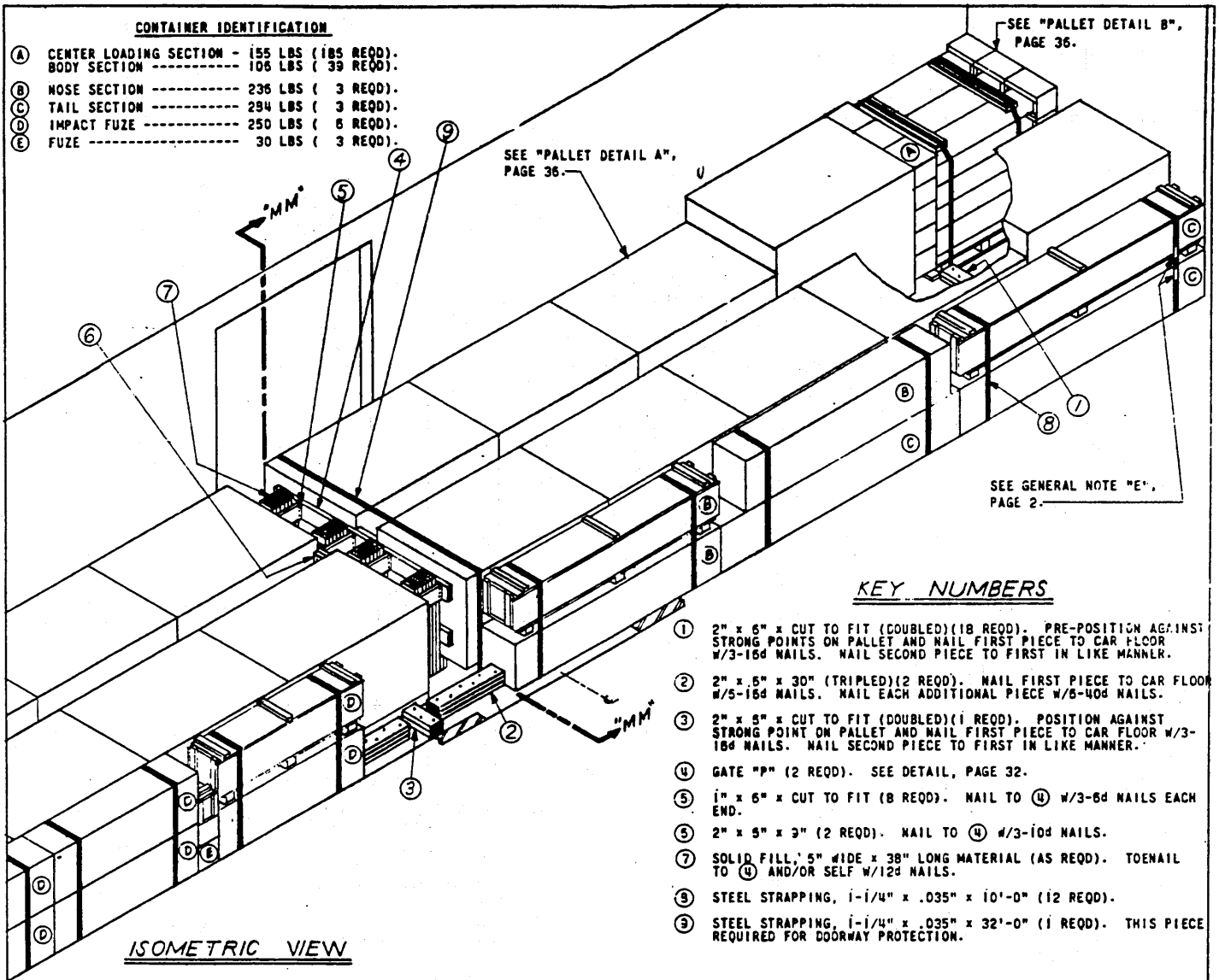
CONTAINER IDENTIFICATION

- A CENTER LOADING SECTION - 155 LBS (185 REQD).
BODY SECTION ----- 106 LBS (39 REQD).
- B NOSE SECTION ----- 236 LBS (3 REQD).
- C TAIL SECTION ----- 294 LBS (3 REQD).
- D IMPACT FUZE ----- 250 LBS (6 REQD).
- E FUZE ----- 30 LBS (3 REQD).

SEE "PALLET DETAIL A",
PAGE 36.

SEE "PALLET DETAIL B",
PAGE 36.

SEE GENERAL NOTE "E",
PAGE 2.

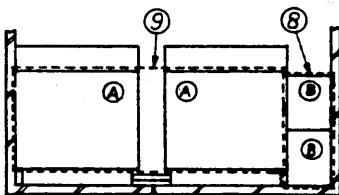


ISOMETRIC VIEW

50'-6" x 9'-2" BOX CAR W/6'-0"
DOOR OPENING.

KEY NUMBERS

- ① 2" x 6" x CUT TO FIT (DOUBLED)(18 REQD). PRE-POSITION AGAINST STRONG POINTS ON PALLET AND NAIL FIRST PIECE TO CAR FLOOR W/3-16d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ② 2" x 6" x 30" (TRIPLED)(2 REQD). NAIL FIRST PIECE TO CAR FLOOR W/5-16d NAILS. NAIL EACH ADDITIONAL PIECE W/5-40d NAILS.
- ③ 2" x 5" x CUT TO FIT (DOUBLED)(1 REQD). POSITION AGAINST STRONG POINT ON PALLET AND NAIL FIRST PIECE TO CAR FLOOR W/3-16d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ④ GATE "P" (2 REQD). SEE DETAIL, PAGE 32.
- ⑤ 1" x 6" x CUT TO FIT (8 REQD). NAIL TO ④ W/3-10d NAILS EACH END.
- ⑥ 2" x 5" x 3" (2 REQD). NAIL TO ④ W/3-10d NAILS.
- ⑦ SOLID FILL, 5" WIDE x 38" LONG MATERIAL (AS REQD). TOENAIL TO ④ AND/OR SELF W/12d NAILS.
- ⑧ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (12 REQD).
- ⑨ STEEL STRAPPING, 1-1/4" x .035" x 32'-0" (1 REQD). THIS PIECE REQUIRED FOR DOORWAY PROTECTION.



SECTION "MM-MM"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
1" x 5"	9	5
2" x 6"	186	186
NAILS	NO. REQD	POUNDS
9d (2")	48	1/2
10d (3")	70	1-1/4
12d (3-1/4")	48	1
16d (3-1/2")	126	2-3/4
40d (5")	24	1-1/2
STRAPPING, STEEL, 1-1/4" x .035" - 152' REQD - 22 LBS		

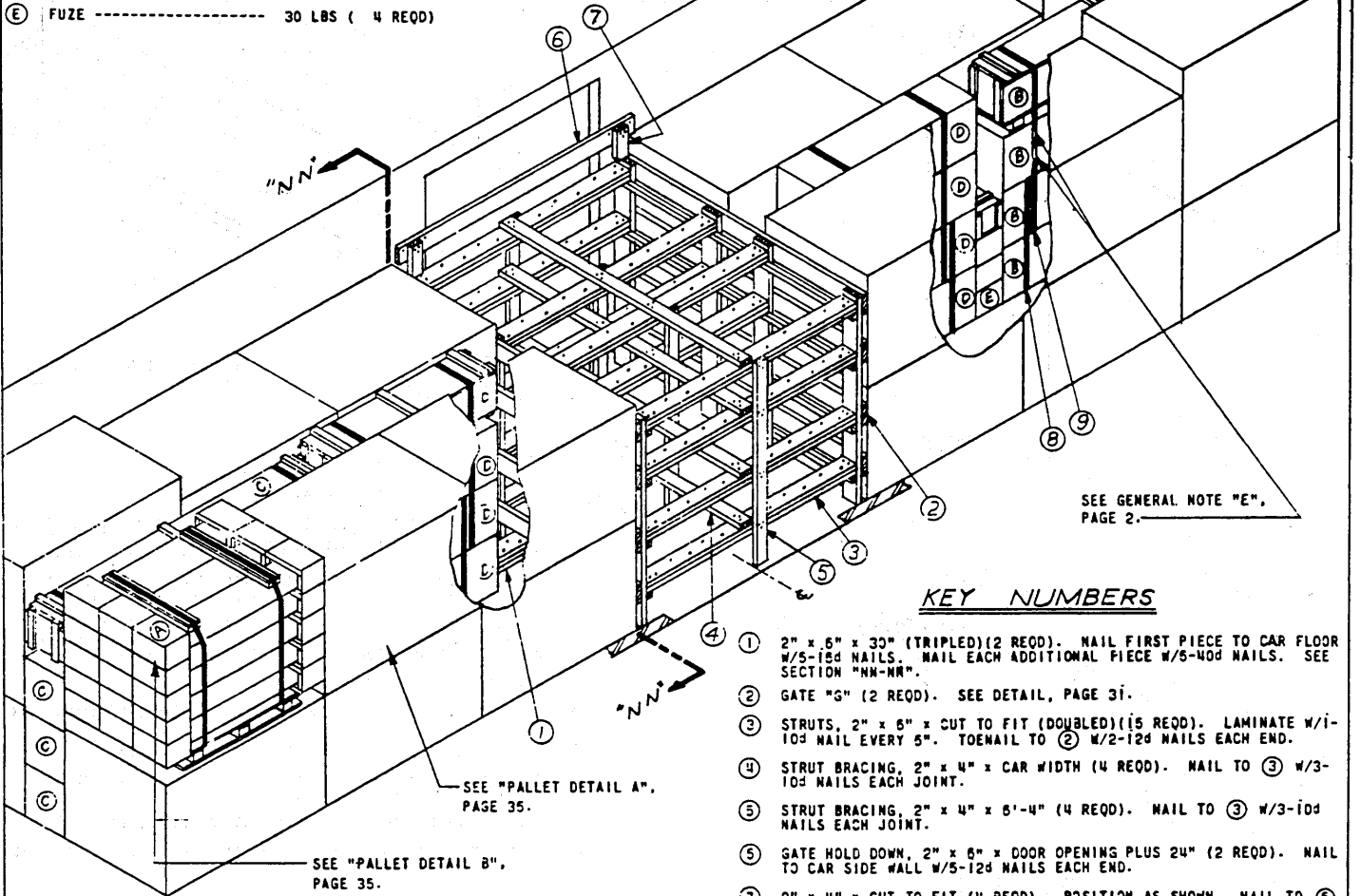
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	3	37,971 LBS
DUNNAGE		507 LBS
TOTAL WEIGHT		38,478 LBS (APPROX)

THREE DEMOLITION KITS, CENTER LOADING AND BODY SECTION PALLETIZED, IN 9'-2" CAR

CONTAINER IDENTIFICATION

- Ⓐ CENTER LOADING SECTION - 155 LBS (248 REQD)
BODY SECTION----- 105 LBS (52 REQD)
- Ⓑ NOSE SECTION ----- 236 LBS (4 REQD)
- Ⓒ TAIL SECTION ----- 284 LBS (4 REQD)
- Ⓓ IMPACT FUZE ----- 250 LBS (8 REQD)
- Ⓔ FUZE ----- 30 LBS (4 REQD)



SEE GENERAL NOTE "E",
PAGE 2.

KEY NUMBERS

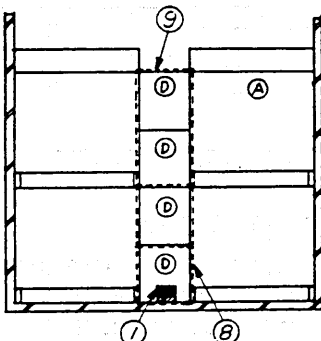
- ① 2" x 6" x 30" (TRIPLED)(2 REQD). NAIL FIRST PIECE TO CAR FLOOR W/5-12d NAILS. NAIL EACH ADDITIONAL PIECE W/5-40d NAILS. SEE SECTION "NN-NN".
- ② GATE "G" (2 REQD). SEE DETAIL, PAGE 31.
- ③ STRUTS, 2" x 6" x CUT TO FIT (DOUBLED)(15 REQD). LAMINATE W/1-10d NAIL EVERY 5". TOENAIL TO ② W/2-12d NAILS EACH END.
- ④ STRUT BRACING, 2" x 4" x CAR WIDTH (4 REQD). NAIL TO ③ W/3-10d NAILS EACH JOINT.
- ⑤ STRUT BRACING, 2" x 4" x 6'-4" (4 REQD). NAIL TO ③ W/3-10d NAILS EACH JOINT.
- ⑥ GATE HOLD DOWN, 2" x 6" x DOOR OPENING PLUS 24" (2 REQD). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑦ 2" x 4" x CUT TO FIT (4 REQD). POSITION AS SHOWN. NAIL TO ⑥ W/3-10d NAILS.
- ⑧ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (8 REQD).
- ⑨ STEEL STRAPPING, 1-1/4" x .035" x 14'-0" (8 REQD).

ISOMETRIC VIEW

40'-5" x 3'-5" BOX CAR W/5'-0"
DOOR OPENING

SEE "PALLET DETAIL A",
PAGE 35.

SEE "PALLET DETAIL B",
PAGE 35.



SECTION "NN - NN"

BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	68	23
2" x 4"	64	43
2" x 6"	381	381
NAILS	NO. REQD	POUNDS
10d (3")	444	7
12d (3-1/4")	84	1-1/2
15d (3-1/2")	12	1/2
40d (5")	24	1-1/2
STRAPPINGS, STEEL, 1-1/4" x .035" ---102' REQD- 28 LBS		

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT-----	4	50,528 LBS
DUNNAGE -----		1,155 LBS
TOTAL WEIGHT-----		51,784 LBS (APPROX)

FOUR DEMOLITION KITS, CENTER LOADING AND BODY SECTION PALLETIZED, IN 8'-6" CAR

CONTAINER IDENTIFICATION

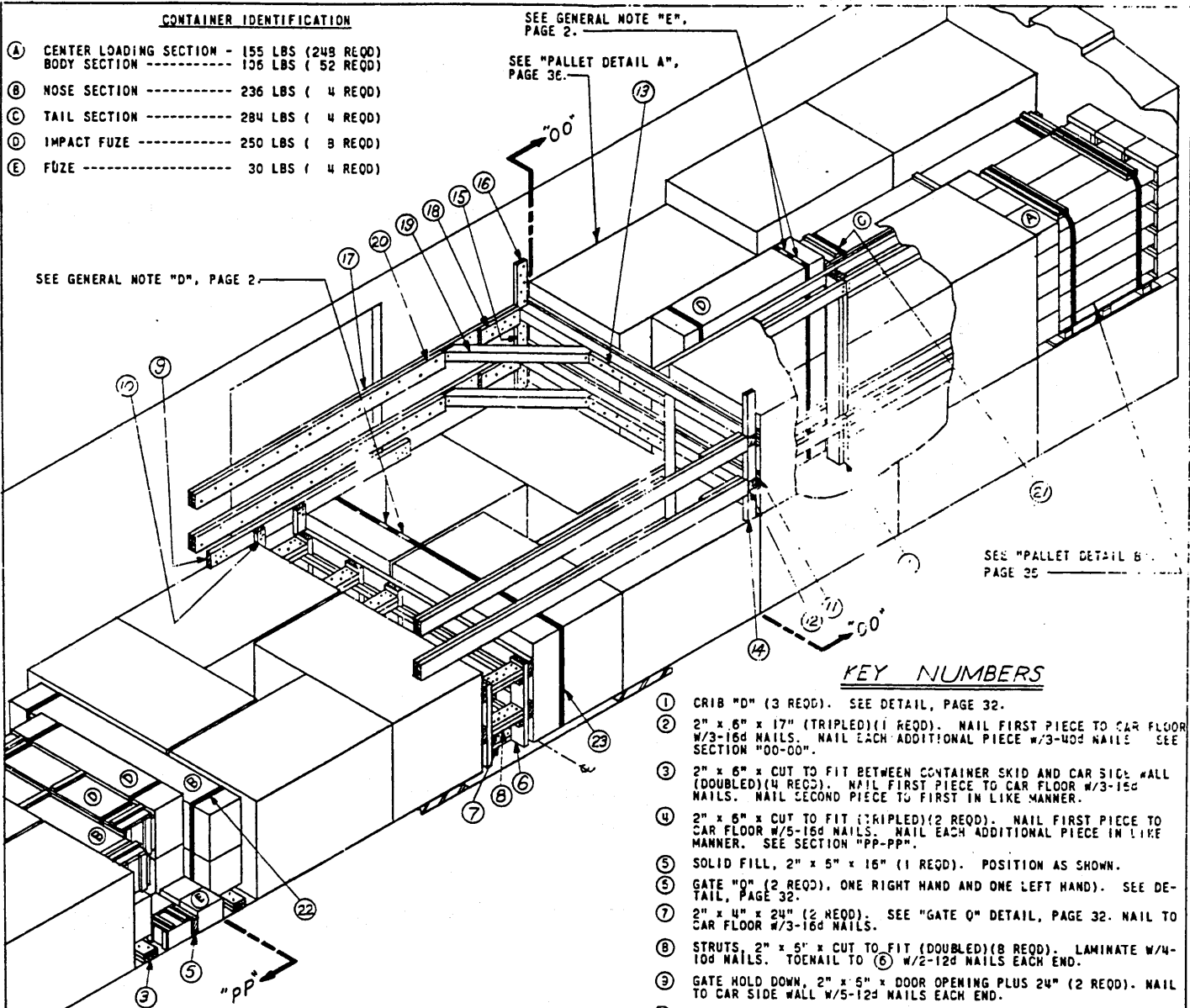
- Ⓐ CENTER LOADING SECTION - 155 LBS (249 REQ)
BODY SECTION ----- 196 LBS (52 REQ)
- Ⓑ NOSE SECTION ----- 236 LBS (4 REQ)
- Ⓒ TAIL SECTION ----- 284 LBS (4 REQ)
- Ⓓ IMPACT FUZE ----- 250 LBS (8 REQ)
- Ⓔ FUZE ----- 30 LBS (4 REQ)

SEE GENERAL NOTE "E", PAGE 2.

SEE "PALLET DETAIL A", PAGE 3E.

SEE GENERAL NOTE "D", PAGE 2.

SEE "PALLET DETAIL B", PAGE 3E.

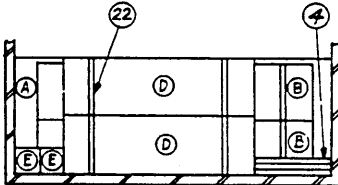


KEY NUMBERS

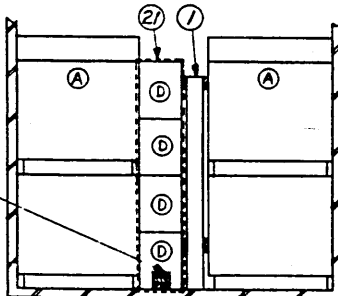
- ① CRIB "D" (3 REQ). SEE DETAIL, PAGE 3E.
- ② 2" x 6" x 17" (TRIPLED)(1 REQ). NAIL FIRST PIECE TO CAR FLOOR W/3-16d NAILS. NAIL EACH ADDITIONAL PIECE W/3-40d NAILS SEE SECTION "00-00".
- ③ 2" x 6" x CUT TO FIT BETWEEN CONTAINER SKID AND CAR SIDE WALL (DOUBLED)(4 REQ). NAIL FIRST PIECE TO CAR FLOOR W/3-15d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.
- ④ 2" x 6" x CUT TO FIT (TRIPLED)(2 REQ). NAIL FIRST PIECE TO CAR FLOOR W/5-16d NAILS. NAIL EACH ADDITIONAL PIECE IN LIKE MANNER. SEE SECTION "PP-PP".
- ⑤ SOLID FILL, 2" x 5" x 16" (1 REQ). POSITION AS SHOWN.
- ⑥ GATE "O" (2 REQ). ONE RIGHT HAND AND ONE LEFT HAND. SEE DETAIL, PAGE 3E.
- ⑦ 2" x 4" x 24" (2 REQ). SEE "GATE Q" DETAIL, PAGE 3E. NAIL TO CAR FLOOR W/3-16d NAILS.
- ⑧ STRUTS, 2" x 5" x CUT TO FIT (DOUBLED)(8 REQ). LAMINATE W/4-10d NAILS. TOENAIL TO ⑥ W/2-12d NAILS EACH END.
- ⑨ GATE HOLD DOWN, 2" x 5" x DOOR OPENING PLUS 24" (2 REQ). NAIL TO CAR SIDE WALL W/5-12d NAILS EACH END.
- ⑩ 2" x 4" x CUT TO FIT (4 REQ). POSITION AS SHOWN. NAIL TO ⑥ W/3-10d NAILS.
- ⑪ 2" x 6" x CAR WIDTH (2 REQ). NAIL TO ① W/1-12d NAIL EVERY 8".
- ⑫ 4" x 4" x CAR WIDTH (2 REQ).
- ⑬ 2" x 4" x 36" (2 REQ). NAIL TO ⑫ W/7-16d NAILS.
- ⑭ 2" x 4" x 12-1/2" (2 REQ). NAIL TO CAR SIDE WALL W/3-12d NAILS.

ISOMETRIC VIEW

50'-5" x 9'-2" BOX CAR W/5'-0" DOOR OPENING.



SECTION "PP-PP"



SECTION "00-00"

- ⑮ 2" x 4" x 14" (2 REQ). NAIL TO CAR SIDE WALL W/3-12d NAILS.
- ⑯ 2" x 4" x 18" (2 REQ). NAIL TO CAR SIDE WALL W/5-12d NAILS.
- ⑰ 2" x 6" x CUT TO EXTEND ACROSS DOOR OPENING PLUS 18" (4 REQ). NAIL TO CAR SIDE WALL W/5-12d NAILS. FOR CARS WITH WIDER DOOR OPENINGS A MINIMUM OF 72" MUST CONTACT CAR SIDE WALL.
- ⑱ 2" x 5" x 18" (4 REQ). NAIL TO ⑰ W/7-16d NAILS.
- ⑲ BRACE, 4" x 4" x 50" (4 REQ). SEE DETAIL, PAGE 3E. TOENAIL TO ⑬ & ⑰ W/1-50d NAIL EACH END.
- ⑳ 2" x 5" x CUT TO FIT (REF: 11'-0") (4 REQ) NAIL TO ⑰ W/1-10d NAIL EVERY 8".
- ㉑ STEEL STRAPPING, 1-1/4" x .035" x 18'-0" (4 REQ).
- ㉒ STEEL STRAPPING, 1-1/4" x .035" x 10'-0" (8 REQ).
- ㉓ STEEL STRAPPING, 1-1/4" x .035" x 27'-0" (1 REQ). THIS PIECE REQUIRED FOR DOORWAY PROTECTION.

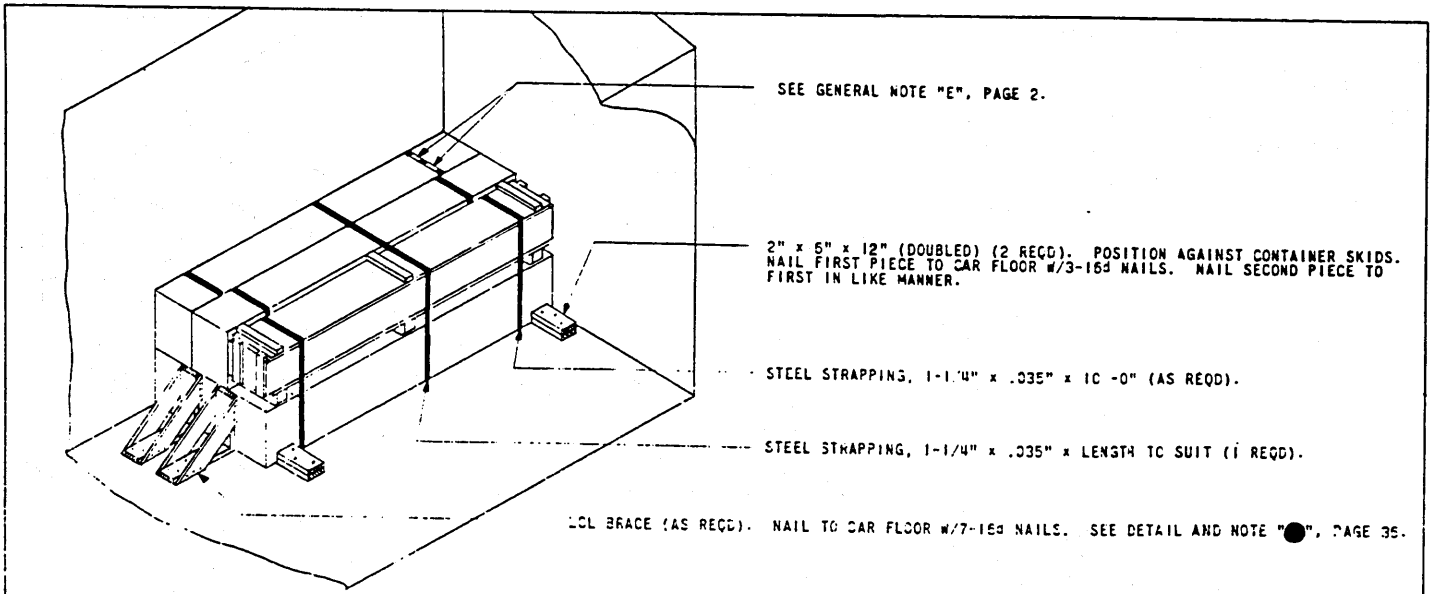
BILL OF MATERIAL

LUMBER	LINEAL FEET	BOARD FEET
2" x 2"	37	13
2" x 4"	87	58
2" x 6"	285	285
4" x 4"	36	48
NAILS		POUNDS
10d (3")	236	3-3/4
12d (3-1/4")	174	3
15d (3-1/2")	108	2-1/2
40d (5")	6	1/2
60d (5")	9	1
STRAPPING, STEEL, 1-1/4" x .035" - 179' REQ- 26 LBS		

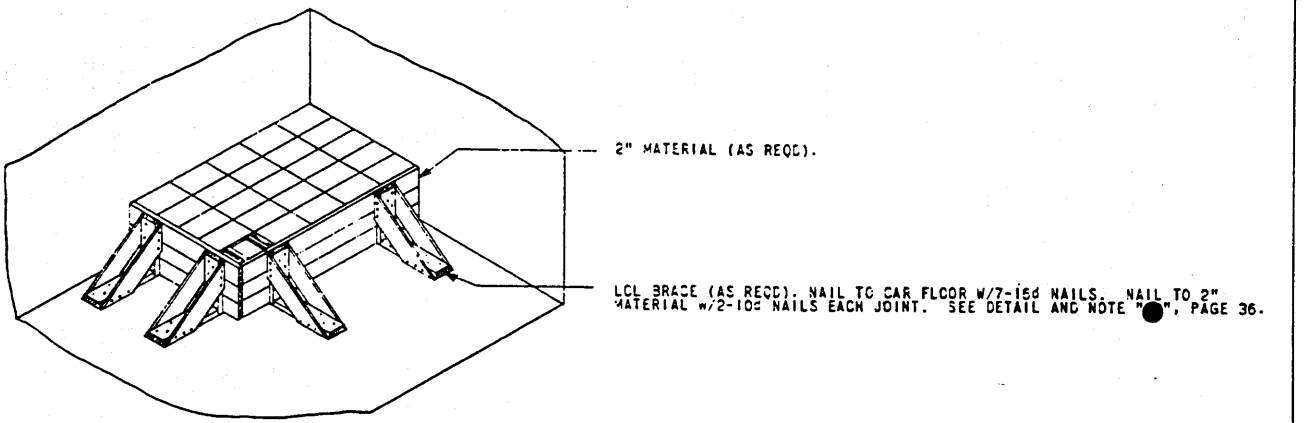
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
DEMOLITION KIT	4	50,629 LBS
DUNNAGE		1,044 LBS
		TOTAL WEIGHT --- 51,672 LBS (APPROX)

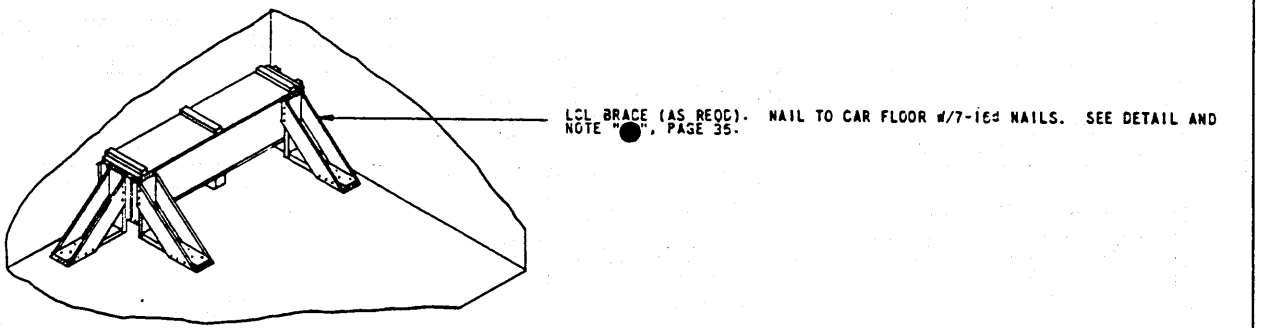
FOUR DEMOLITION KITS, CENTER LOADING AND BODY SECTION PALLETIZED, IN 9'-2" CAR



TYPICAL LCL

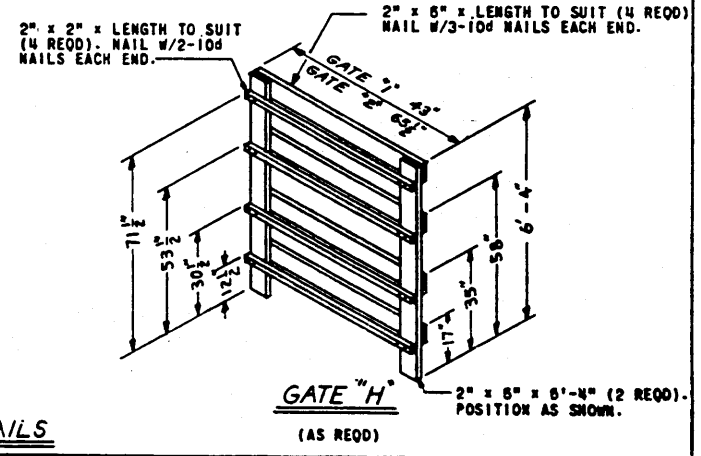
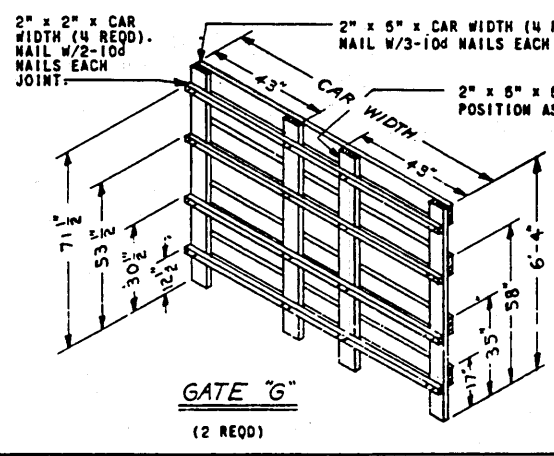
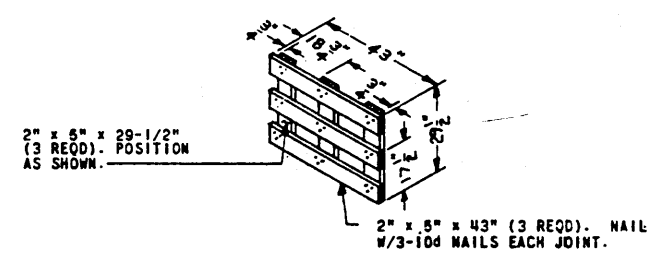
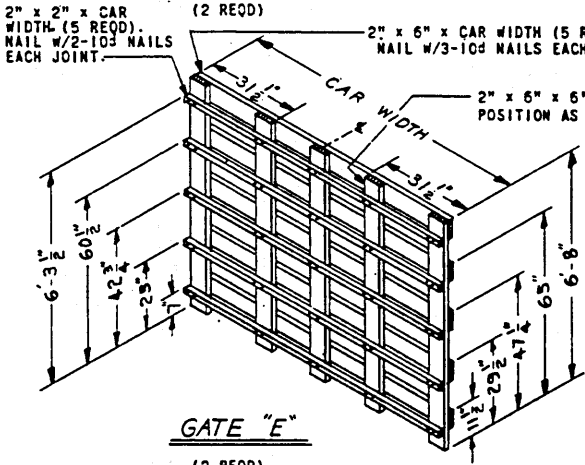
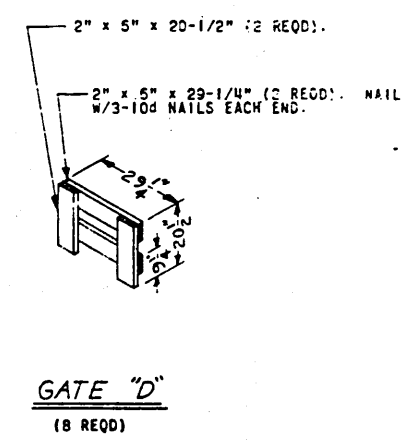
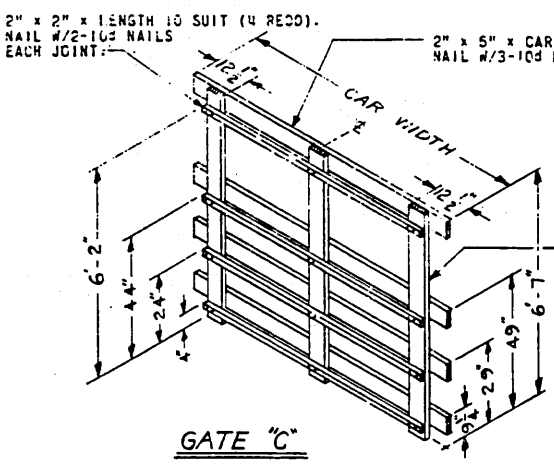
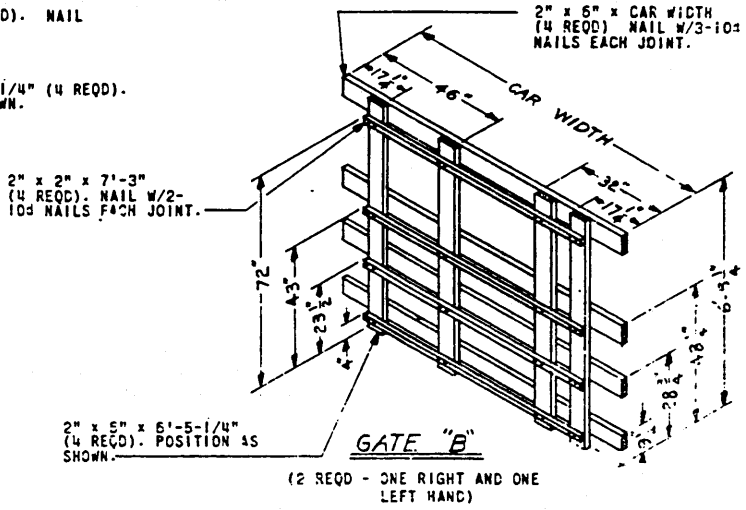
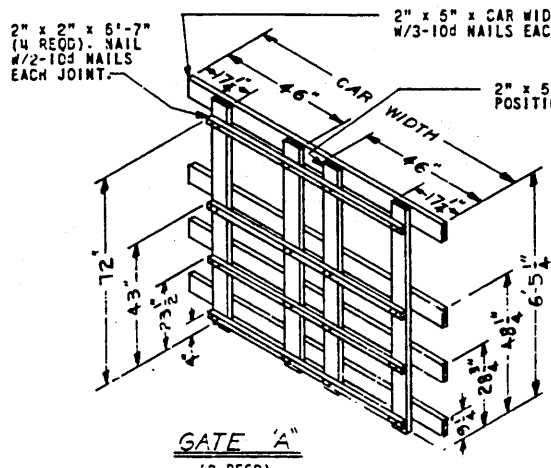


TYPICAL LCL

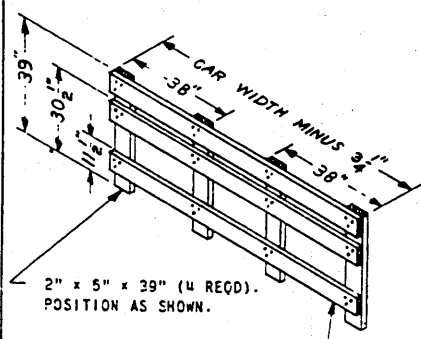


TYPICAL LCL

TYPICAL LCL METHODS



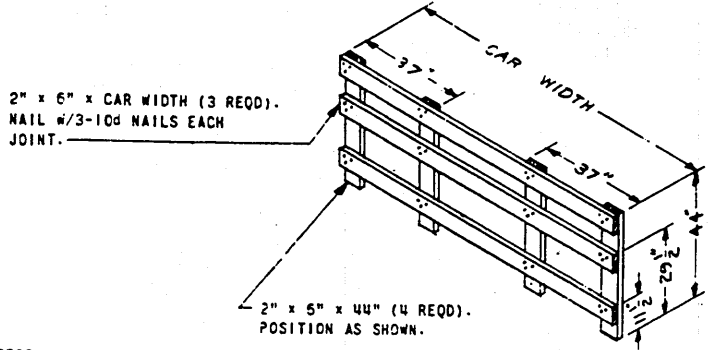
DETAILS



2" x 5" x 39" (4 REQD).
POSITION AS SHOWN.

2" x 5" x CAR WIDTH MINUS 3-1/4" (3 REQD).
NAIL W/3-10d NAILS EACH JOINT.

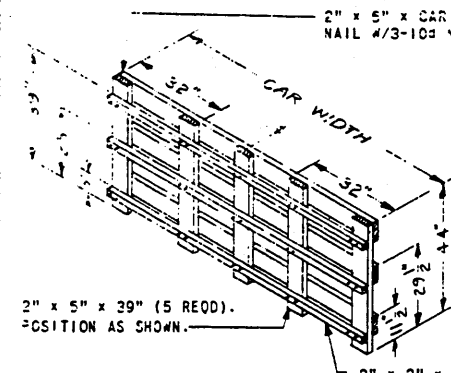
GATE "U"
(1 REQD)



2" x 6" x CAR WIDTH (3 REQD).
NAIL W/3-10d NAILS EACH JOINT.

2" x 6" x 44" (4 REQD).
POSITION AS SHOWN.

GATE "K"
(1 REQD)

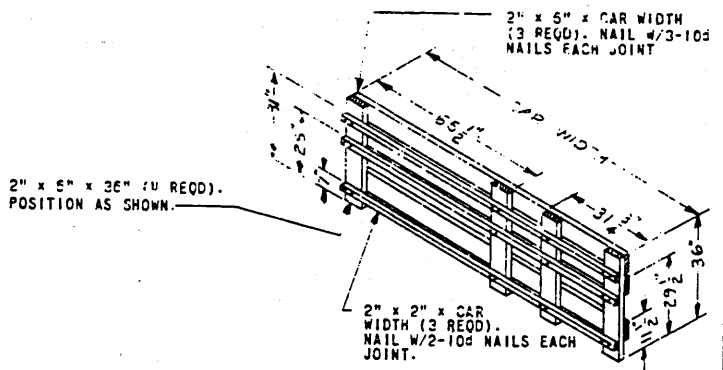


2" x 5" x CAR WIDTH (3 REQD).
NAIL W/3-10d NAILS EACH JOINT.

2" x 5" x 39" (5 REQD).
POSITION AS SHOWN.

2" x 2" x CAR WIDTH (3 REQD).
NAIL W/2-10d NAILS EACH JOINT.

GATE "L"
(2 REQD)



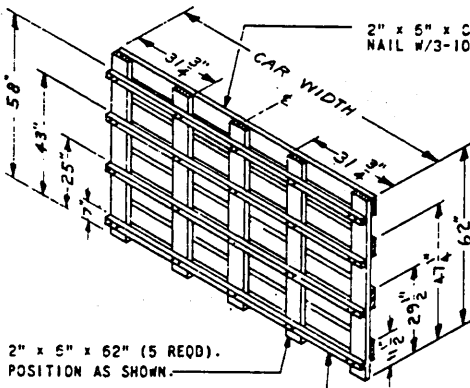
2" x 5" x 36" (4 REQD).
POSITION AS SHOWN.

2" x 5" x CAR WIDTH (3 REQD). NAIL W/3-10d NAILS EACH JOINT.

2" x 2" x CAR WIDTH (3 REQD).
NAIL W/2-10d NAILS EACH JOINT.

GATE "M"

(2 REQD-ONE RIGHT AND ONE LEFT HAND)



2" x 5" x CAR WIDTH (4 REQD).
NAIL W/3-10d NAILS EACH JOINT.

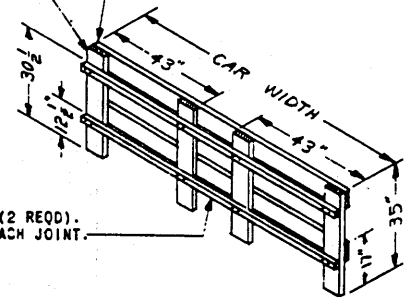
2" x 6" x 62" (5 REQD).
POSITION AS SHOWN.

2" x 2" x CAR WIDTH (4 REQD).
NAIL W/2-10d NAILS EACH JOINT.

GATE "N"
(2 REQD)

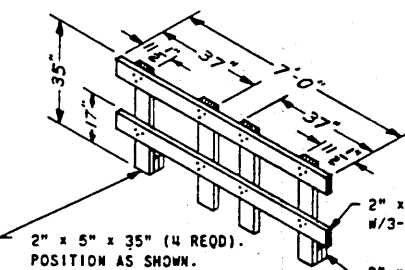
2" x 5" x 35" (4 REQD).
POSITION AS SHOWN.

2" x 6" x CAR WIDTH (2 REQD).
NAIL W/3-10d NAILS EACH JOINT.



2" x 2" x CAR WIDTH (2 REQD).
NAIL W/2-10d NAILS EACH JOINT.

GATE "O"
(2 REQD)



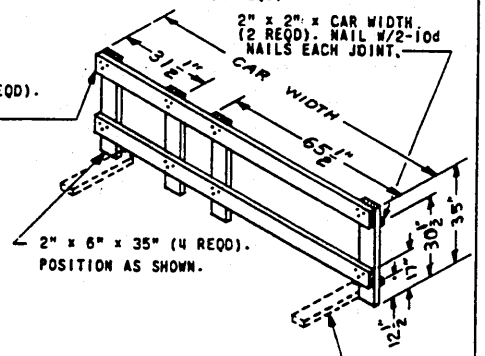
2" x 5" x 35" (4 REQD).
POSITION AS SHOWN.

2" x 6" x 7'-0" (2 REQD). NAIL W/3-10d NAILS EACH JOINT.

2" x 6" x 5" (DOUBLED) (2 REQD). NAIL FIRST PIECE TO GATE UPRIGHT W/2-10d NAILS. NAIL SECOND PIECE TO FIRST IN LIKE MANNER.

GATE "P"
(2 REQD)

2" x 5" x CAR WIDTH (2 REQD).
NAIL W/3-10d NAILS EACH JOINT.



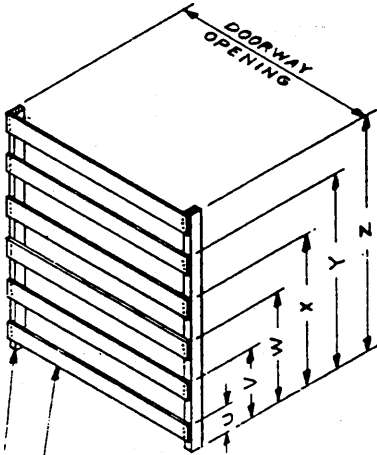
2" x 6" x 35" (4 REQD).
POSITION AS SHOWN.

2" x 2" x CAR WIDTH (2 REQD). NAIL W/2-10d NAILS EACH JOINT.

GATE "Q"

(2 REQD-ONE RIGHT HAND AND ONE LEFT HAND)

DETAILS



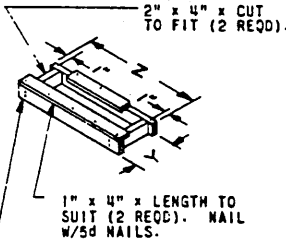
1" x 6" x DOORWAY OPENING (AS REQD).
NAIL #3-5d NAILS EACH END.

UPRIGHT, 2" x 3" x LENGTH TO SUIT (2 REQD).
NAIL TO DOOR POST W/1-12d NAIL EVERY 8".

DOORWAY PROTECTION

(AS REQD)

DOORWAY PROTECTION	HORIZONTAL MEMBERS						LENGTH OF UPRIGHT
	U	V	W	X	Y	Z	
"A"	5-3/4"	18"	27"	36"	45"	54"	54"
"B"	9-1/4"	28-3/4"	48-1/4"	51-5/14"			51-5-1/4"
"C"	9-1/4"	29-3/4"	50-1/4"	61-9"			51-9"
"D"	11-1/2"	29-1/2"	47-1/4"	56"	61-8"		61-8"
"E"	11-1/2"	29-1/2"	44"				44"
"F"	11-1/2"	29-1/2"	36"				36"
"G"	11-1/2"	29-1/2"	47-1/4"	52"			52"
"H"	5-3/4"	20-3/4"	38-1/4"	53-1/4"			53-1/4"
"J"	5-3/4"	15-1/4"	24"	39"	50-3/4"	55-3/4"	55-3/4"



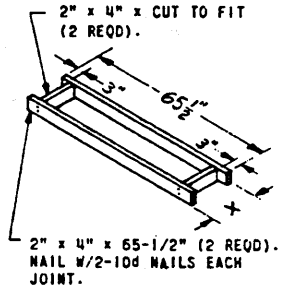
RISER	DIM Z	DIM Y
"A"	68-1/2"	3
"B"	40-1/2"	13-1/2"
"C"	13-3/4"	8

2" x 4" x LENGTH TO SUIT (2 REQD). NAIL W/5d NAILS.

RISER 1

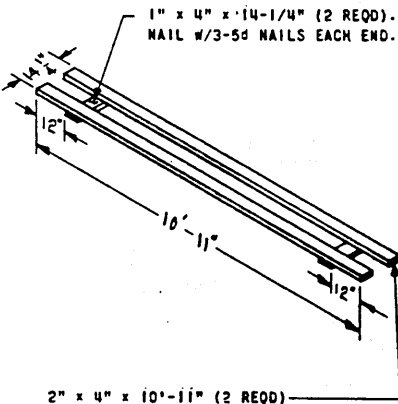
(AS REQD)

RISER	DIM X
"D"	28-3/4"
"E"	14-1/4"
"F"	57-1/2"
"G"	43"



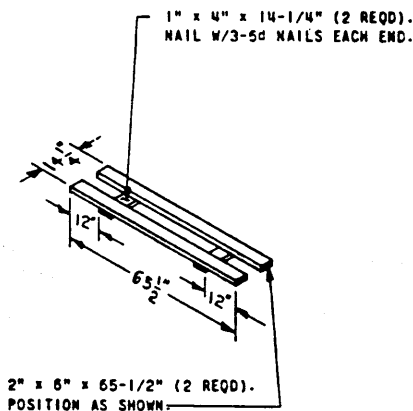
RISER II

(AS REQD)



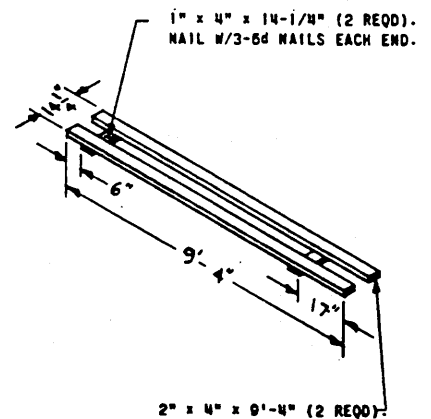
DECKING "A"

(AS REQD)



DECKING "B"

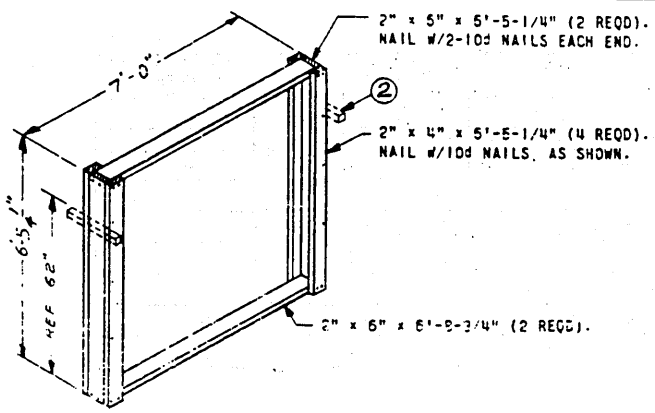
(AS REQD)



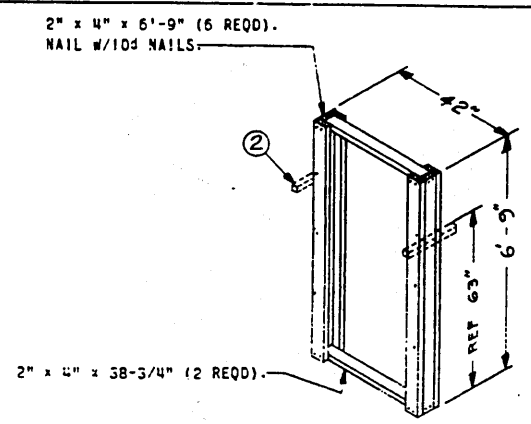
DECKING "C"

(AS REQD)

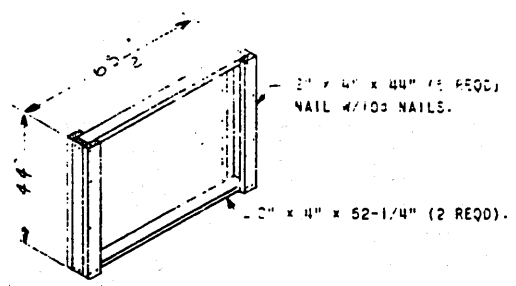
DETAILS



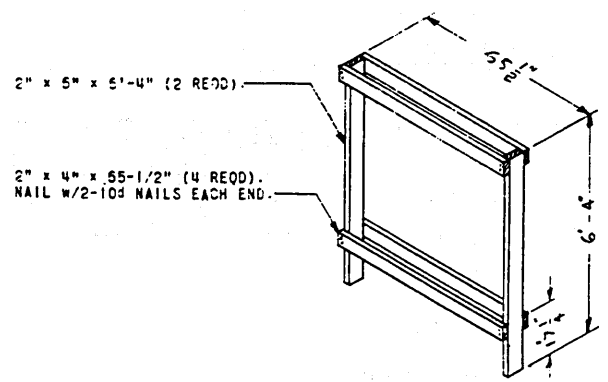
CRIB "A"
(5 REQD)



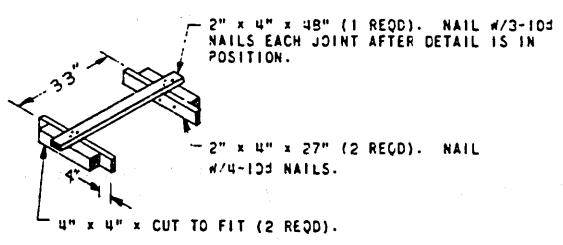
CRIB "B"
(8 REQD)



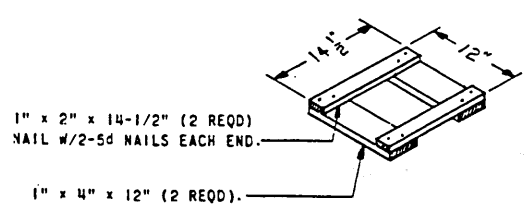
CRIB "C"
(1 REQD)



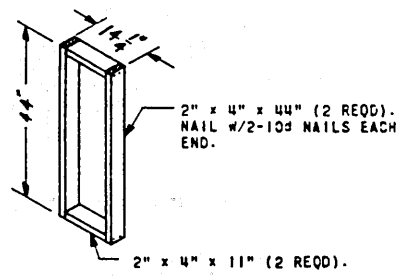
CRIB "D"
(3 REQD)



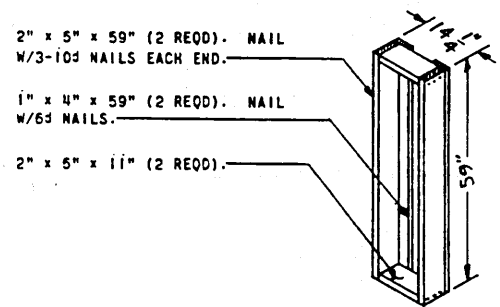
SEPARATOR
(AS REQD)



DETAIL "A"
(AS REQD)

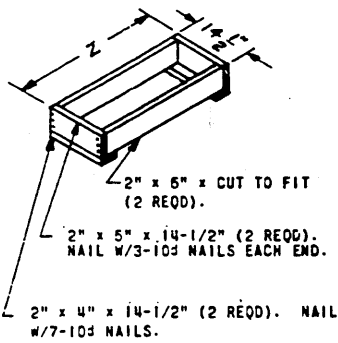


SPACER "A"
(1 REQD)

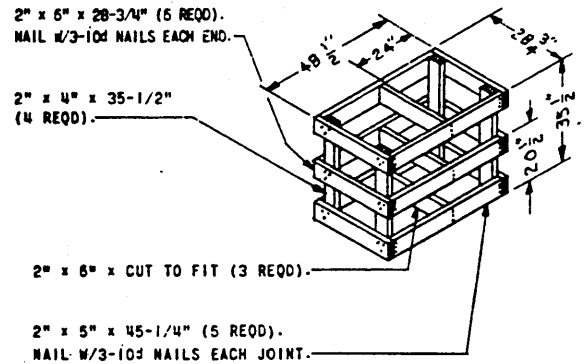


SPACER "B"
(1 REQD)

DETAILS

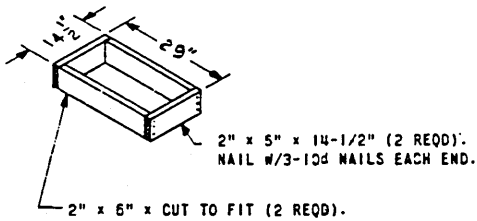


FILLER	DIM Z
"A" PAGE 14	13-1/2"
"B" PAGE 14	9"
"C" PAGE 15	36"
"D" PAGE 24	19"
"E" PAGE 25	17"



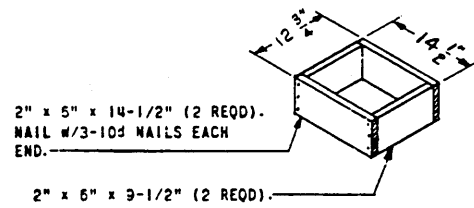
FILLER "1"

(AS REQD)



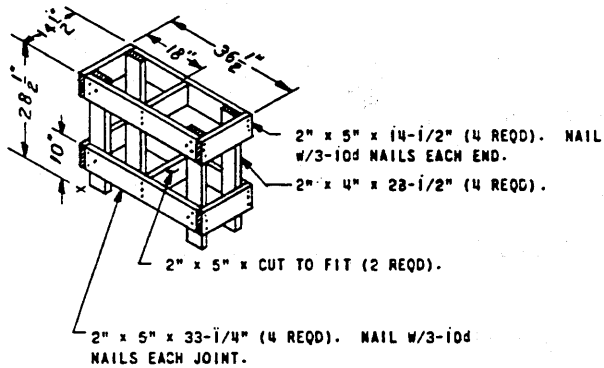
FILLER "F"

(1 REQD)



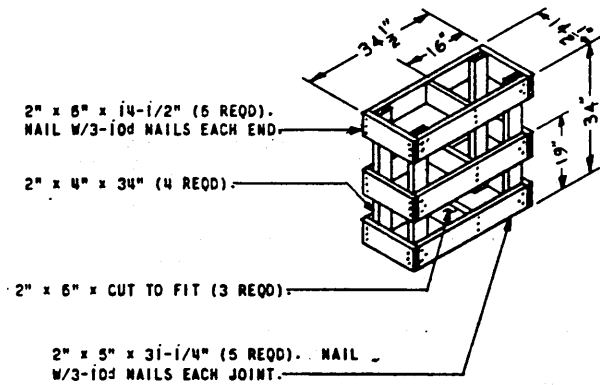
FILLER "G"

(1 REQD)



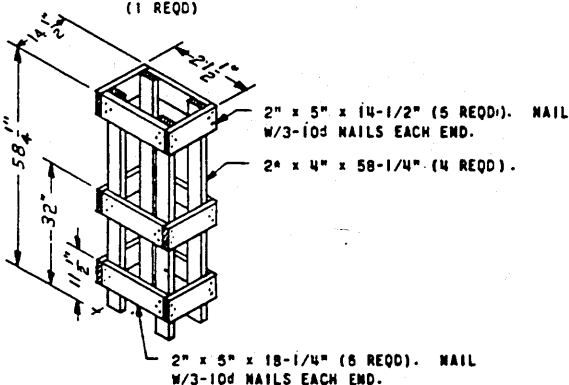
FILLER "H"

(1 REQD)



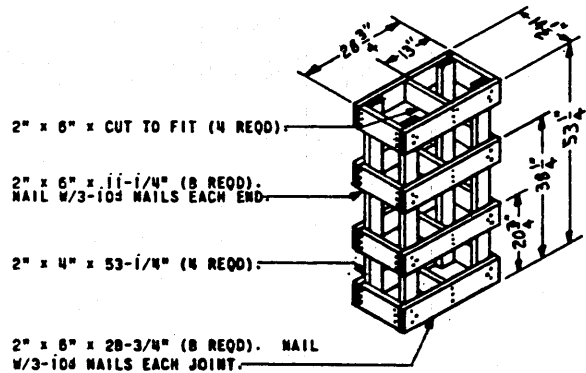
FILLER "J"

(1 REQD)



FILLER "K"

(1 REQD)



FILLER "L"

(1 REQD)

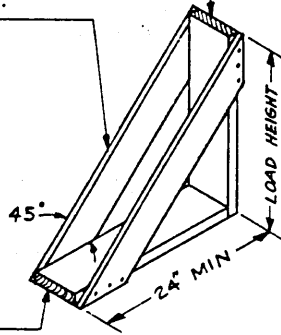
FILLER "M"

(1 REQD)

DETAILS

2" x 5" x LOAD HEIGHT (24" MAX) (1 REQD).
NAIL TO BACK UP W/2-15d NAILS.

1" x 6" x CUT TO FIT (2 REQD).
NAIL W/3-8d NAILS EACH END.



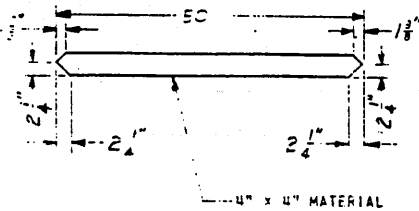
BACK UP, 2" x 5" x 24" MIN
(1 REQD).

LCL BRACE

(AS REQD)

NOTE ●:

EACH BRACE AS APPLIED FOR LONGITUDINAL OR LATERAL BRACING WILL SUPPORT 2,000 OR 3,000 POUNDS, RESPECTIVELY. ALSO RESPECTIVELY, A BRACE MUST BE USED FOR EACH 24" OR 48" INCREMENT OF LOAD DIMENSION; ADDITIONALLY, A MINIMUM OF TWO (2) BRACES MUST BE USED IN THEIR RESPECTIVE DIRECTION IF THE LOAD IS MORE THAN TWO (2) BOXES WIDE OR LONG.



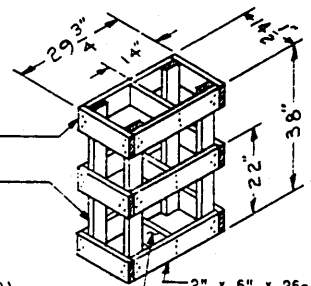
BRACE

(AS REQD)

2" x 5" x 14-1/2" (5 REQD).
NAIL W/3-10d NAILS EACH END.

2" x 4" x 35" (4 REQD).

2" x 6" x CUT TO FIT (3 REQD).

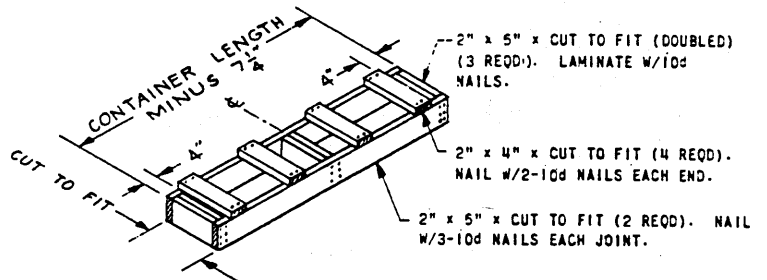


2" x 5" x 25-1/2" (5 REQD). NAIL W/3-10d NAILS EACH JOINT.

FILLER N

(1 REQD)

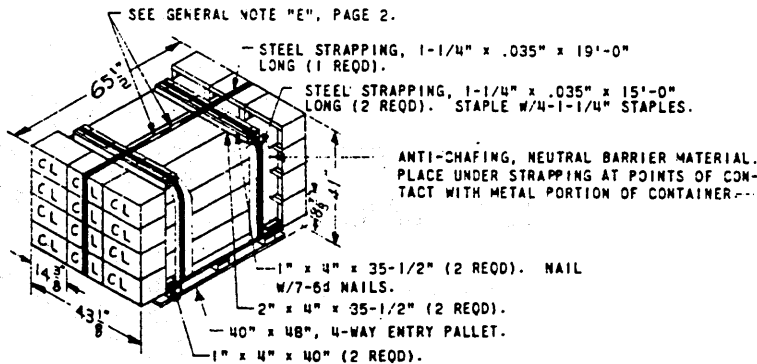
BILL OF MATERIAL (PER PALLET)		
LUMBER	LINEAL FEET	BOARD FEET
1" x 4"	12-2/3	4-2/9
2" x 4"	5	4
NAILS	NO. REQD	POUNDS
5d (2")	14	--



TYPICAL RISER

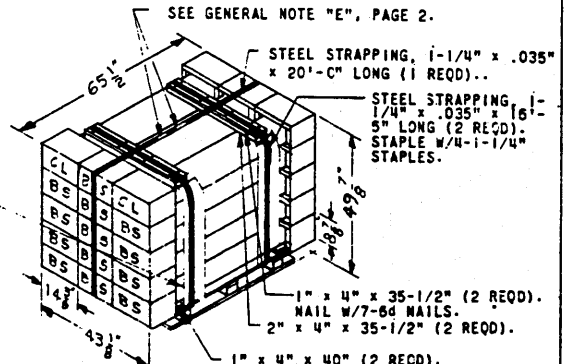
FOR USE WITH IMPACT FUZE, NOSE OR TAIL SECTION.

STRAPPINGS, STEEL, 1-1/4" x .035" - 49' REQD-- 7 LBS
STAPLES FOR 1-1/4" STRAPPING-----8 REQD
ANTI-CHAFING MATERIAL-----AS REQD
NOTE: 53' OF 1-1/4" STEEL STRAPPING REQUIRED FOR "PALLET DETAIL B".



PALLET DETAIL "A"

FIVE (5) REQD/KIT
12 CENTER LOADING SECTION/PALLET
TOTAL WEIGHT - 1,953 POUNDS (APPROX)



PALLET DETAIL "B"

ONE (1) REQD/KIT
13 BODY SECTIONS PLUS 2 CENTER LOADING SECTIONS/PALLET
TOTAL WEIGHT - 1,792 POUNDS (APPROX)

DETAILS