SEABOARD COAST LINE RAILROAD

SCL

FREIGHT EQUIPMENT DATA BOOK

NO. 3

FLAT & PULPWOOD

INDEX

S. C. L. NUMBERS	FORMER INITIALS & NUMBERS	TYPE	R.R. CLASS	A.A.R. MECH. DESIG.	A.A.R. CAR TYPE CODE	REMARKS	PAGE Nº
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109100	———	HEAVY DUTY FLAT CAR	F-2	FM	F-302	CAST STEEL UNDERFRAME	21
109101, 109102, 109103	———	HEAVY DUTY FLAT CARS	F-3	FM	F-501	200-TON CAPACITY	21-1
677008 ~ SEE PAGE 23	———	FLAT, POLE SERVICE	P-13, P-14	FMS	F-112	55-TON CAPACITY	23
109104, 109105, 109106	———	HEAVY DUTY FLAT CARS	F-3-A	FM	F-401	160-TON CAPACITY	21-2
109107-109110	———	HEAVY DUTY FLAT CARS	F-3-B	FM	F-401	150-TON CAPACITY	21-3
109200-109210	———	ENCLOSED AUTO RACK (SNAPACK)	F-4	F-A	V-492	55 TON CAPY	108

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FREIGHT BOOK No 3

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840536-840583	S.A.L. 40536-40583	FLAT	PS-24	FM	F-101		
847000-847089	S.A.L 47000-47089	FLAT	PS-10	FM	F-101		61
847003-847485	S.A.L. 47003-47485	GYPSUM FLAT, BULKHEAD	PS-10	FB	F-131		62
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848125-848274	S.A.L. 48125-48274	FLAT, BULKHEAD ~ (CUSHION UNDERFRAME)	PS-23	FB	F-233	CHAIN TIE-DOWN	71
848275-848324	S.A.L. 48275-48324	FLAT, BULKHEAD ~ (CUSHION UNDERFRAME)	PS-23	FB	F-233	CHAIN TIE-DOWN	72
848700-848749	S.A.L. 48700-48749	FLAT, BULKHEAD ~ (CUSHION UNDERFRAME)	PS-25	FB	F-233	CHAIN TIE-DOWN	73
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677030-677470	A.C.L. 77030-77470	FLAT, PIGGY BACK SERVICE	P-13, P-14	FC	F-102		87
677142-677316	A.C.L. 77142-77316	FLAT, LOG & LUMBER	P-13, P-14	FMS	F-102		88
677012-677400	A.C.L. 77012-77400	FLAT, BULKHEAD	P-13, P-14	FB	F-102	LADING COMP'TS. "A" END	89
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677056-677340	A.C.L. 77056-77340	FLAT, BULKHEADS & REMOVABLE STAKES	P-13, P-14	FB	F-102	LADING COMP'TS. "A" END	91
677369	A.C.L. 77369	FLAT	P-14	FM	F-102		92

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678310-678349	A.C.L. 78310-78349	FLAT, BULKHEADS	P-19	FB	F-131	LADING COMP'T. "A" END	95
678350-678389	A.C.L. 78350-78389	FLAT, BULKHEADS	P-19	FB	F-131	LADING COMP'T. "A" END	96
678400-678524	A.C.L. 78400-78524	FLAT, BULKHEADS	P-22	FB	F-131	LADING COMP'T. "A" END	97
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679200-679219	A.C.L. 79200-79219	FLAT	P-18	FM	F-202		101
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679100-679103	A.C.L. 79100-79103	FLAT, DEPRESSED CENTER	P-16	FD	F-320		126
679104-679110	A.C.L. 79104-79110	FLAT, DEPRESSED CENTER	P-16-A	FD	F-320		127

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841000-841144	S.A.L. 41000-41144	PULPWOOD	WS-1	LP	L-026		—
841300-841599	S.A.L. 41300-41599	PULPWOOD	WS-1	LP	L-026		—
841600-841934	S.A.L. 41600-41934	PULPWOOD	WS-1	LP	L-026		—
842000-842796	S.A.L. 42000-42796	PULPWOOD	WS-3	LP	L-026		144
842800-842899	S.A.L. 42800-42899	PULPWOOD	WS-3	LP	L-026		145
842900-842924	S.A.L. 42900-42924	PULPWOOD	WS-2	LP	L-026		146
843000-843421	S.A.L. 43000-43421	PULPWOOD	WS-3	LP	L-026		147
843500-844199	S.A.L. 43500-44199	PULPWOOD	WS-3	LP	L-026		148
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844800-844999	S.A.L. 44800-44999	PULPWOOD	WS-7	LP	L-027		151
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672700-673199	A.C.L. 72700-73199	PULPWOOD	W-4	LP	L-026		164
410000-410799	A.C.L. 110000-110799	PULPWOOD	W-4-A	LP	L-026		165
410895-410899	A.C.L. 110895-110899	PULPWOOD	W-4	LP	L-026		166
410900-411699	A.C.L. 110900-111699	PULPWOOD	W-6	LP	L-026		167
411700-411913	A.C.L. 111700-111913	PULPWOOD	W-6	LP	L-026		168
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412114-412413	A.C.L. 112114-112413	PULPWOOD	W-6	LP	L-026	CAST STEEL UNDERFRAME	170
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110000-110499	———	77-TON PULPWOOD	LP-1	LP	L-026	CAST STEEL UNDERFRAME	172
110500-110849		77-TON PULPWOOD	LP-2	LP	L-026		173

CENTER BEAM BULKHEAD FLAT CAR ~ SCL Nos 109000-109029 ~ CLASS F-1

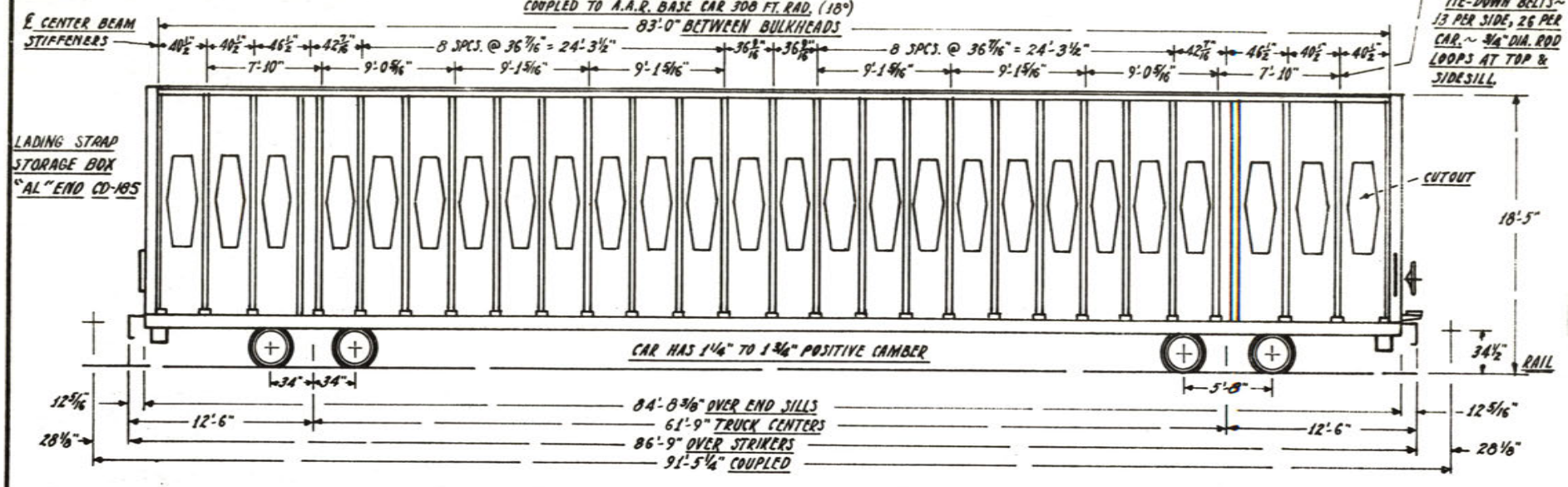
30 CARS BUILT 1969 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL. ~ THEIR JOB Nº 467 ~ SCL P.O. Nº E-18 ~ FILE Nº 21.98.29

6-10-69 jwh

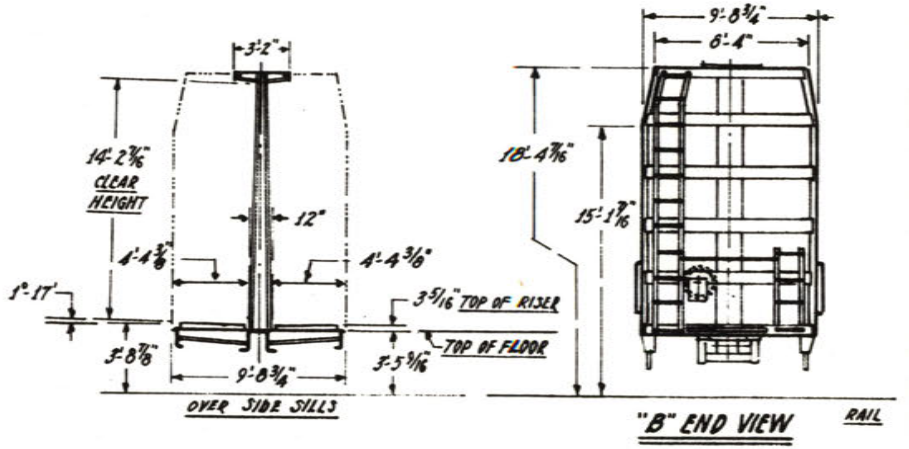
WHEELS:- A.A.R. CJ-33, 1-W CAST STEEL, 33" DIA.

CURVATURE:-
UNCOUPLED 190 FT. RAD. (30°)
COUPLED TO LIKE CAR 198 FT. RAD. (29°)
COUPLED TO A.A.R. BASE CAR 308 FT. RAD. (18°)

END OF CAR CUSHION
15" FREIGHTMASTER



CENTER OF GRAVITY: EMPTY – 58.33" A.T.R.,
FULL VISIBLE CAPY. LOAD (100,000 LBS.) – 97.27" A.T.R.



TYPICAL SECTION

FREIGHT BOOK Nº 3

REF. DRWG. GEN. ARRGT., THRALL CAR MFG. CO.'S DRWG. Nº F-2008, REV. D

A.A.R. MECH. DESIGNATION **FMS**

1.	**GENERAL**		
2.	CAPACITY	☆ (50-TONS)	100,000 LBS.
3.	LIGHTWEIGHT	(AVG.)	80,200 LBS.
4.	LOAD LIMIT	☆	100,000 LBS.
5.	MAX. LOAD ON RAILS		220,000 LBS.
6.	**BODY**		
7.	UNDERFRAME		WELDED CONSTRUCTION WITH CUSHIONING DEVICES AT ENDS
8.	CENTER SILL		2 A.A.R. Z-26 @ 41.2# SECTIONS; TOP FLANGES WELDED FULL LENGTH; A-572-50 STL.
9.	STRIKER		BUILT-UP WELDED, THRALL DESIGN; DRWG. Nº F-2008-4
10.	BOLSTER		WELDED; TOP & BOTTOM COVER PLATES 1/2" x 30", A-572-50 STEEL;
11.			WEBS 1/2" PLATE, A-36 STL.; SOLE PLATE 7/16" x 31", A-572-50 STL.; DRWG. Nº 2F-2008-5
12.	SIDE BEARING BRACE		9/16" x 8" x 14" PLATE, A-572-50 STL.
13.	SIDE BEARING, BODY		STUCKI DRWG. Nº 791, LINE 8
14.	CENTER FILLER, BODY		BUILT-UP WELDED TYPE; DRWG. Nº 2F-2008-13
15.	CENTER PLATE, BODY		CAST STEEL, GRADE "C"; SCL PATT. Nº F-319-H; UNITCAST
16.	SIDE SILLS		5/16" PLATE x 10" DEEP FORMED ZEE; A-36 STL.

CENTER BEAM BULKHEAD FLAT CAR ~ SCL Nos 109000-109029 ~ CLASS F-1

6-11-69 jwh

FREIGHT BOOK Nº 3

17.	SIDE SILL REINF.	AT BOLSTERS WITH ½" PLATE JACKING PAD STIFFENERS
18.	JACKING PAD	½" STEEL PLATE
19.	END SILL	10" @ 15.3# CHANNEL, A-572-50 STL. ~ (BASE OF BULKHEAD)
20.	CROSS BEARERS (19 PER CAR)	SPLIT 14" BEAM @ 22.#, A-36 STEEL
21.	END BULKHEAD	FACE PLATE, 3/16" PLATE A-572-50 (COPPER BEARING); TOP &
22.		SIDE CHANNELS 10" @ 15.3#, A-572-50 STL.; HORIZONTAL REINFORCEMENT, ½" x 8" COVER
23.		PLATE WITH ¼" x 10" WEB PLATES WELDED TO FORM A "T" SECTION IN A-572-50 STL.
24.	CROSSTIES (4 PER CAR)	3" I-BEAM @ 5.7#, AT BOLSTERS
25.	FLOOR	¼" COPPER BEARING STEEL PLATE
26.	RISERS (27 EACH SIDE)	; (SLOPES INWARD)
27.	CENTER BEAMS	VERTICAL WEB, ¼" STEEL PLATE, A-572-50; TOP REINFORCEMENT, 3/16" PLATE
28.		A-572-50 PLACED HORIZONTALLY WITH A 3" x 3" x 3/8" ANGLE A-572-50 ON EACH OUTBOARD
29.		EDGE; VERTICAL STIFFENERS, 8" WF BEAM @ 17.#, A-36 STL., SPLIT TO FORM "T" SECTION
30.	BRAKE & CROSSOVER STEP	10" x 60"; U.S. GYPSUM CO.
31.	ROPING STAPLE	1¼" DIA. STEEL ROD
32.	LADING TIEDOWNS	AEROQUIP RATCHET BUCKLE PART Nº FE-7144-1; WEBBING ASSEMBLY
33.		18' LONG ONE END LOOSE & OTHER END WITH SNAP HOOK
34.	BODY BRAKE LEVERS	FLOATING 15 5/16" x 14 11/16" & CYLINDER 16 5/8" x 17 3/8"; SCHAEFER
35.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. DEVICES CO.
36.	ANGLE COCK HOLDER	"FITZALL" Nº AC-300
37.		
38.	**DRAFT GEAR**	
39.	TYPE	FREIGHTMASTER HD-F, 15" TRAVEL
40.	COUPLER YOKE	SELF CONTAINED ~ NO YOKE REQUIRED
41.	COUPLER	A.A.R. TYPE "E" HEAD, CAST STEEL; CAT. Nº BE-4950D-HT-E; 60" SHANK
42.	DRAFT KEY RETAINER	NONE
43.	COUPLER RELEASE RIGGING (SEE LINE 44)	STANRAY DRWG. Nº 4U-22176
44.	FOR REPLACEMENT USE "HOLLAND" PER S.C.L. DRG. CD-173	
45.	**BRAKES**	
46.	SCHEDULE 1-B	A.A.R. STD. AB-1012 WITH ABD CONTROL VALVE
47.	SCHEDULE 3-B	REDUCTION RELAY EQUIPMENT; A-1 RED. VALVE Nº N-8763
48.	FITTINGS	BUTT-WELDED FLANGE TYPE
49.	TRAINLINE FITTINGS	"WRIGHT" WELD-ON PIPE CLAMPS
50.	BRAKE POWER	30056 LBS. AT 50# CYLD. PRESSURE
51.	LEVER RATIO	7.65 TO 1
52.	BRAKE REGULATOR	MODEL DRY2-US-4; AMERICAN SAB
53.	ANGLE COCK	SLOAN VALVE CO.
54.	HOSE, FLEXIBLE	O.A. LENGTH 4'-11 9/32"; ILL. AUTO ELECTRIC'S Nº 153110-20-24
55.	BELL CRANK	A.A.R. Nº 66
56.	HAND BRAKES	A.A.R. '66 ~ UNIVERSAL 7400-3
57.		
58.	**TRUCKS**	
59.	TYPE	6" x 11", BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE; CLASS T-10-P
60.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO'S DRWG. Nº 656-C
61.	SNUBBER	BARBER S-2-A
62.	BRAKE SHOES	COMPOSITION, ANCHOR Nº H25-4
63.	BRAKE SHOE KEY	SPRING TYPE; ABEX DRWG. Nº 20382
64.	PEDESTAL ADAPTERS	DUCTILE IRON, A.A.R. M-924; ABEX DRWG. Nº 16410
65.	AXLES	6" x 11" ROLLER BEARING TYPE D, A.A.R. SPEC. M-101; RAISED WHEEL SEATS
66.	BRAKE BEAMS	A.A.R. Nº 18; B.B.B. CO'S DRWG. Nº BB-252
67.	JOURNAL BEARINGS (ROLLER)	20% TIMKEN; 10% AM. KOYO
68.		
69.	SPRINGS	2½" TRAVEL; 28 OUTER, 4 INNER (D3) & 8 SIDE COILS
70.	BOTTOM ROD CONN.	37" BETWEEN INNER HOLES, HOLE TYPE; SCHAEFER
71.	LEVERS	5" x 10" & 7" x 14"; SCHAEFER

UNDERFRAME SUPPLIED BY GENERAL STEEL INDUSTRIES ON S.C.L. PURCHASE ORDER E-31 ~ CAR ASSEMBLED 1970 AT WAYCROSS SHOPS BY A.F.E. Nº 12,484 EQ.~ FILE 21.82.6.4

8-20-70 J W H

WHEELS:- 33" DIA., M-W ROLLED STEEL. (USED)

EQUALIZER WEAR BLOCK:- CAST STEEL, BUCKEYE DRWG. B-5935-C.

EQUALIZER WEAR BLOCK SEAT:- CAST STEEL, BUCKEYE'S DRWG. Nº B-6392-B.

HEAVY DUTY [illegible] L Nº 109100 ~ CLASS F-2

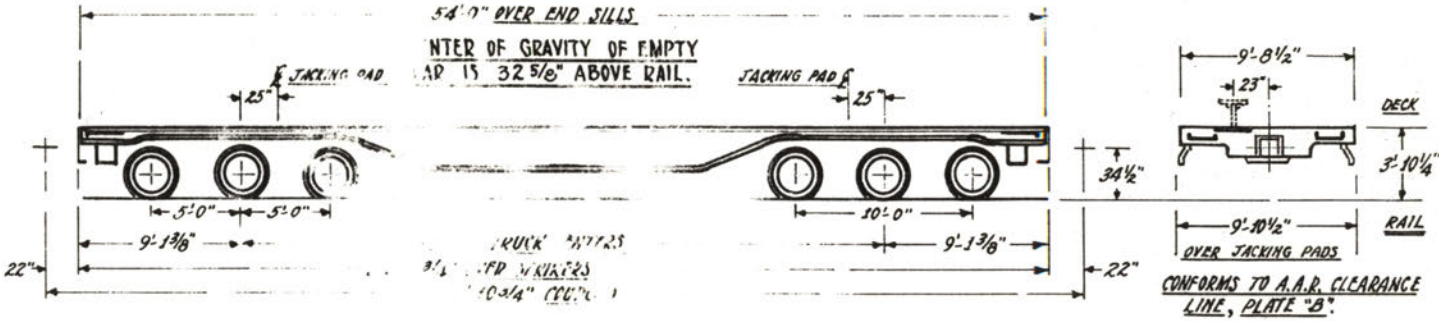
135-TON CAPACITY

END OF CAR CUSHION

10" FREIGHTMASTER

CURVING CHARACTERISTICS (APPROX.).

COUPLED TO YARD SWITCHER Nº 20 (32'-0" TRUCK CENTERS) WILL NEGOTIATE A 30° CURVE, 193 FT. RADIUS.
COUPLED TO 40 FT. BOX CAR, CLASS U3-27 (30'-0" TRUCK CENTERS) WILL NEGOTIATE A 25° CURVE, 231 FT. RADIUS.
COUPLED TO HOPPER CAR, CLASS K-[illegible] (31'-8" TRUCK CENTERS) WILL NEGOTIATE A 24° CURVE, 240 FT. RADIUS



UNDERFRAME, GENERAL STEEL INDUSTRIES DRWG. Nº 34296-A.

A.A.R. MECH. DESIGNATION FM

FLATS & PULPWOOD FREIGHT BOOK Nº 3

1.	**GENERAL**		
2.	CAPACITY	(135-TONS)	270,000 LBS.
3.	LIGHTWEIGHT		110,900 LBS.
4.	LOAD LIMIT		283,600 LBS.
5.	MAX. LOAD ON RAILS		394,500 LBS.
6.	**BODY**		
7.	UNDERFRAME	ONE PIECE STEEL CASTING; INCLUDES CENTER SILLS, SIDE	
8.		SILLS & END SILLS & ALL TRANSVERSE MEMBERS; G.S.I., INC.'S DRWG. Nº 34296-A	
9.	BODY CENTER PLATE	CAST INTEGRAL WITH UNDERFRAME; MACHINE WORK	
10.		BY G.S.I.; STEEL BAND, 1" WIDE × ¼" THICK × 17¼" I.S. DIA. CIRCUMFERENTIAL	
11.		WEAR RING WELDED IN PLACE BY G.S.I.	
12.	BODY SIDE BEARING	INTEGRAL CAST PADS MACHINED BY G.S.I.;	
13.		BASED ON STUCKI DRWG. 782 (S.C.L. SK.7); FRICTION TYPE WEAR PLATE APPLIED BY S.C.L.	
14.	DRAFT PLATE POCKET (FOR FREIGHTMASTER)	CAST INTEGRAL	
15.	STRIKER	NONE; FREIGHTMASTER UNIT	
16.	FLOOR	½" STEEL PLATE WITH 166 HOLD-DOWN PERFERATIONS; S.C.L. DRWG. Nº CG-36	
17.	ROPING STAPLE	NONE	
18.	JACKING PADS (4 PER CAR)	CAST INTEGRAL, SERRATED SURFACE	
19.	BODY BRAKE LEVERS	SCHAEFER EQUIP. CO.	
20.	**DRAFT GEAR**		
21.	TYPE	FREIGHTMASTER UNIT, TYPE "E" ~10" TRAVEL	
22.	COUPLER YOKE	SELF CONTAINED ~ NO YOKE REQUIRED	
23.	COUPLER	CAST STEEL, STD. A.A.R. TYPE "E", 21½" SHANK	
24.	COUPLER KEY (2 PER CAR)	S.C.L. FORGING MODIFIED (FORG. Nº C-3672)	
25.	DRAFT KEYS (4 PER CAR)	S.C.L. FORGING Nº C-3672	
26.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S DRWG. Nº 692-A	
27.	COUPLER RELEASE RIGGING		
28.	**BRAKES**		
29.	SCHEDULE	WESTINGHOUSE STANDARD ABD-1012	
30.		WITH 3-POSITION RETAINING VALVE & 1¼" GRIPSEAL ANGLE COCKS	
31.	TRAINLINE FITTING		WELDED TYPE
32.	BRAKE POWER (LEVER RATIO 12.5 TO 1)		12.45% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
33.	BRAKE REGULATOR		AUTOMATIC, TYPE Nº 2000-DJ; ELLCON-NATIONAL DRWG. Nº BR-2165-DJ
34.	BRAKE STEP		NONE
35.	BELL CRANK		NONE; SHEAVE & CHAIN ARRANGEMENT
36.	HAND BRAKES (1 END)		UNIVERSAL MULTI-POWER UNIT 2095-2278, DROP STAFF; DRWG. Nº 6543-B
37.	ANGLE COCK HOLDER		
38.	**TRUCKS**	T-135-A	
39.	TYPE		BUCKEYE 6-WHEEL, 6½" × 12" ROLLER BEARINGS,
40.		2½" SPRING TRAVEL, ARTICULATED CAST STEEL FRAME; REF. BUCKEYE DRWG. Nº E-11089	
41.	SIDE BEARINGS		BAR STEEL, QUENCHED & TEMPERED; BASED ON A. STUCKI DRWG. 782 (S.C.L. SK.6)
42.	SNUBBER		BUCKEYE FRICTION WEDGE
43.	BRAKE SHOES		1½" THICK COMPOSITION
44.	BRAKE SHOE KEY		SPRING TYPE
45.	BRAKE HANGERS (6 PER TRUCK)		1¼" DIA. HOLES, OFFSET, FORGED STEEL; S.C.L. SKETCH 8
46.	BRAKE BEAMS (4 R.H. & 2 L.H. PER TRUCK)		4-POINT SUPPORT TYPE; CRECO'S DRWG. Nº 11097-Q
47.	BRAKE BEAM SAFETY SUPPORT		SPRING STEEL; CRECO'S DRWG. Nº 16122-A
48.	BRAKE LEVERS (4 PER TRUCK)		FLAME CUT, 1" THICK, SPECIAL; SHAEFER EQUIP. CO.
49.	TRUCK TOP PULL ROD (1 PER TRUCK)		1" DIA. ROD & WELD-ON JAWS; SCHAEFER DRWG. 1028-B
50.	BOTTOM LEVER CONNECTORS		1 LIVE & 1 DEAD, CAST STEEL; BUCKEYE'S DRWG. Nº C-11058
51.	BOTTOM ROD CONN. (LIVE)		CAST STEEL, BUCKEYE PATT. Nº 57-05-B; DRWG. Nº 11058
52.	BOTTOM ROD CONN. (DEAD)		CAST STEEL, BUCKEYE PATT. Nº 57-06-C; DRWG. Nº 11058
53.	FLOATING LEVER FULCRUM BRACKET		CAST STEEL, BUCKEYE PATT. Nº 57-27-B; DRWG. Nº C-9858-C
54.	AXLES		6½" × 12" ROLLER BEARING, CLASS "F" (RECON)
55.	JOURNAL BEARINGS		6½" × 12" TIMKEN AP (REBUILT)
56.	ROLLER BEARING ADAPTERS		6½" × 12", NARROW JAW TYPE
57.	ROLLER BEARING RETAINER		FORGING PART Nº FL-70; BUCKEYE DRWG. Nº B-9157-B
58.	SPRINGS (SNUBBER)		8 INNER & 8 OUTER PER TRUCK FOR BUCKEYE C-R PACKAGE UNIT
59.	SPRINGS (TRUCK)		2½" TRAVEL; 4 NESTS PER TRUCK, EACH 6 OUTER & 5 INNER COILS; A.A.R. ALT. STD.
60.	EQUALIZER (2 PER TRUCK)		CAST STEEL; BUCKEYE DRWG. Nº D-9987-A

8-12-71
jwh

3 CARS BUILT 1971 BY BERWICK FORGE & FABRICATING, AT THEIR RENOVO, PA., PLANT. ~ THEIR LOT Nº R-132-1. ~ S.C.L. PURCHASE ORDER Nº R-50-A ~ A.F.E. Nº 13,945 EQ. ~ AVPE 11-97M ~ FILE 21.82.19

HEAVY DUTY FLAT CAR ~ SCL Nos 109101, 109102 & 109103 ~ CLASS F-3

200-TON CAPACITY

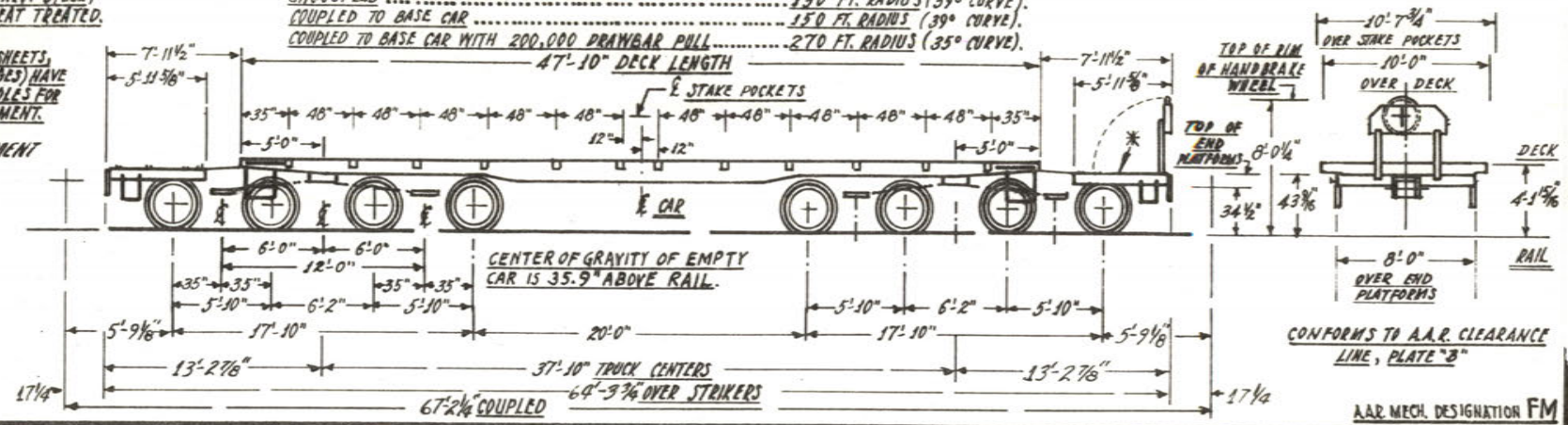
WHEELS:- 36" DIA., 1-W NPOT STEEL, CLASS "C", HEAT TREATED.

CURVING CHARACTERISTICS (HORIZONTAL, LEFT & RIGHT):-

UNCOUPLED ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR WITH 200,000 DRAWBAR PULL ..... 270 FT. RADIUS (35° CURVE).

NOTE:- TWO END FLOOR SHEETS, (FRAME TOP FLANGES) HAVE KEY-HOLE TYPE HOLES FOR USE OF TIE-DOWN EQUIPMENT.

* STORAGE COMPARTMENT FOR HANDBRAKE.



A.A.R. MECH. DESIGNATION FM

REIGHT
OOK Nº 3

		109101	109102	109103
1. **GENERAL**				
2.	CAPACITY 478.3 SQ. FT.	400,000 LBS.	400,000 LBS.	400,000 LBS.
3.	LIGHTWEIGHT	121,200 LBS.	121,200 LBS.	121,300 LBS.
4.	LOAD LIMIT	404,800 LBS.	404,800 LBS.	404,700 LBS.
5.	MAX. LOAD ON RAILS	526,000 LBS.	526,000 LBS.	526,000 LBS.
6. **BODY**				
7.	UNDERFRAME	A.A.R. ALL WELDED DESIGN		
8.	CENTER SILL, STUB	2 A.A.R. Z-26 SECTIONS @ 51.2# (WELDED), 5'-10¾" LG.; WELDED TO SPAN BOLSTER		
9.		& ARRANGED FOR 36" DRAFT GEAR POCKET — STRIKER: BUCKEYE C-11917		
10.	SPAN BOLSTER (TRUCKS)	5-PIECE WELDED DESIGN; CAST STEEL, GRADE "C"; BUCKEYE DRWG. Nº D-11357		
11.	FRAME	FABRICATED & WELDED FROM STEEL PLATES & "TEE" SECTIONS. ~		
12.		"TEE" SECTIONS WILL FORM THE WEBS WHILE THE PLATES WILL BE USED FOR THE		
13.		FLANGES. ~ THE FRAME WILL BE DEEPER IN THE CENTER OF THE CAR & IS A FISH BELLY DESIGN		
14.	END SILL	VERTICAL STEEL WEB BETWEEN THE TOP & BOTTOM FLANGES		
15.	CROSSTIES	(9) AT CENTER, 15" S. TEE @ 49.5#; (6) AT BOLSTERS, 6" S. TEE @ 42.5#		
16.	FLOORING (3-PIECE)	TOP FLANGE OF THE FRAME WELDMENT; 13/16" THICK STEEL PLATE		
17.	BOLSTER	BUILT-UP WELDED TYPE WITH 13/16" THICK FLOOR AS TOP COVER PLATE &		
18.		1½" THICK × APPROX. 32" WIDE BOT. COVER PLATE; WEBS, 1" PLATE & 6" S. TEE @ 42.5#		
19.	CENTER PLATE (BODY)	CAST STEEL, BOWL 19⅝" DIA.; BUCKEYE DRWG. Nº C-11362		
20.	SIDE BEARINGS	5/8" THICK HARDENED STEEL WEAR PLATE, SHIMMED & BOLTED		
21.		ON ½" PLATE WITH TWO 1" THICK WEBS BETWEEN BOTTOM COVER PLATE; WELDED		
22.	END PLATFORMS	EACH IS CANTILEVERED OFF THE SPAN BOLSTER & IS 5'-6" × 8'-0"		
23.		WIDE, CONSISTS OF STRUCTURAL STEEL MEMBERS WITH A ¼" STEEL FLOOR		
24.		PLATE ~		
25. **DRAFT GEAR**				
26.	TYPE	CARDWELL WESTINGHOUSE MARK H-100		
27.	COUPLER YOKE	AAR CAT.# Y41AHT		
28.	COUPLER	A.A.R. TYPE "E" (4¾" TRAVEL); GRADE "C" CAST STEEL; 6¼" × 8" × 25" SHANK; A.A.R. CAT. Nº E67AHT		
29.				
30.	DRAFT KEY	18" LG; SCL Nº C-4034		
31.	RETAINER & WASHER	AAR ½" WASHER		
32.	COUPLER RELEASE RIGGING	BOTTOM OPERATING; STAND. RWY. EQUIP'S DRWG. Nº 2U-23208-A		

33. **BRAKES**		
34.	SCHEDULE	STD. WESTINGHOUSE ABD EQUIPMENT EXCEPT BRAKE CYLINDER
35.		(WABCOPAC B3-A8½) WITH WABCO Nº 574943 RETAINER VALVE; 2 SETS UNDERSIDE OF CAR
36.	TRAINLINE	A.A.R. STD. 1¼" PIPE, WITH 2 WABCO Nº 539646, 1⅜" ARMORED HOSE × 61 13/16"
37.	HOSE ASSEMBLY	(AIR BRAKE) STRATOFLEX # 275-AR-16 W/(2) 30808-12-16-62"
38.		(END) AEROQUIP HOSE ASSEMBLY 1¼" × 37", PIECE Nº A153110-20-24S-37"
39.	BRAKE POWER @ 50# CYLD. PRESS.	THEORETICAL 8.64%; ACTUAL 7.6%; EFFICIENCY 88.2%
40.	BRAKE REGULATOR	NONE; (WABCOPAC B3-A8½)
41.	BRAKE STEP	NONE; HANDBRAKES MOUNTED ON ONE END PLATFORM
42.	HANDBRAKES (HINGED FOR STORAGE)	ELLCON-NATIONAL; WITH SHEAVE & CHAIN ARRGT.; NO BELL CRANK
43.		
44. **TRUCKS**		
45.	TYPE (DOUBLE, 8-WHEEL)	S.C.L. CLASS T-200; EACH TRUCK IS MADE UP OF 2 STANDARD
46.		100-TON CAPACITY, 6½" × 12", BARBER S-2-A STABILIZED TRUCKS, 2½" SPRING
47.		TRAVEL, NARROW PEDESTAL TYPE WITH BOLSTERS HAVING 14" I.D. CENTER PLATE (BOWL)
48.		VERTICAL RING & HORIZONTAL WEAR LINERS APPLIED. ~ THE TWO 100 TRUCKS ARE
49.		CONNECTED BY A 5-PIECE WELDED DESIGN CAST, GRADE "C", SPAN BOLSTER WHICH HAS (TOP)
50.		19½" I.D. CENTER BOWL FOR BODY CENTER PLATE. ~ NOTE THAT CAST SPAN BOL-
51.		STERS HAVE A.A.R. Z-26 SECTION @ 51.2# WELDED ON ONE END FOR DRAFT SILL.
52.	SIDE BEARINGS (SPAN BOLSTERS)	FRICTION TYPE; BAR STEEL, QUENCHED & TEMPERED
53.	SIDE BEARINGS (TRUCKS)	DOUBLE ROLLER TYPE; A. STUCKI CO'S DRWG. Nº 688-B
54.	SNUBBER	DOUBLE COIL BARBER S-2-A (4 SETS PER 4-WHEEL TRUCK)
55.	BRAKE SHOES	1¼" THICK COMPOSITION
56.	BRAKE SHOE KEY	SPRING TYPE
57.	AXLES	6½" × 12" ROLLER BEARING, D-11-F, SPEC. M-126, GRADE "F", DOUBLE NORMALIZED & TEMPERED
58.	JOURNAL BEARINGS	6½" × 12" ROLLER BEARING, TIMKEN HEAVY DUTY, TYPE "AD"; DRWG. Nº E-22237-P
59.	PEDESTAL ADAPTERS	6½" × 12", NARROW TYPE; ABEX DRWG. Nº AM-45125-J
60.	NAR. PED. FRAME KEY	BERWICK
61.	BRAKE BEAMS	WABCOPAC, 8½" CYLINDERS
62.	TRUCK SPRINGS (4 NESTS PER 8-WHL. TRK)	2½" TRAVEL, D-3; EACH NEST 7 OUTER & 4 INNER
63.	BOTTOM ROD CONNECTION (HANDBRAKE)	37½" BETWEEN INSIDE HOLES; INCLUDED IN WABCOPAC
64.	BRAKE LEVERS	FOR HAND BRAKE ONLY; INCLUDED IN WABCOPAC

8-9-71
jwh

FREIGHT BOOK Nº 3

3 CARS BUILT 1971 BY BERWICK FORGE & FABRICATION AT THEIR REMOVO, PA., PLANT. ~ THEIR LOT Nº R-135-1 ~ S.C.L. PURCHASE ORDER Nº E-54 ~ A.F.E. Nº 14,468 ~ FILE 21.82.19

HEAVY DUTY FLAT CAR ~ SCL Nos 109104, 109105 & 109106 ~ CLASS F-3-A

160-TON CAPACITY

WHEELS:- 33" DIA., 1-W WROT STEEL, CLASS "C", HEAT TREATED.

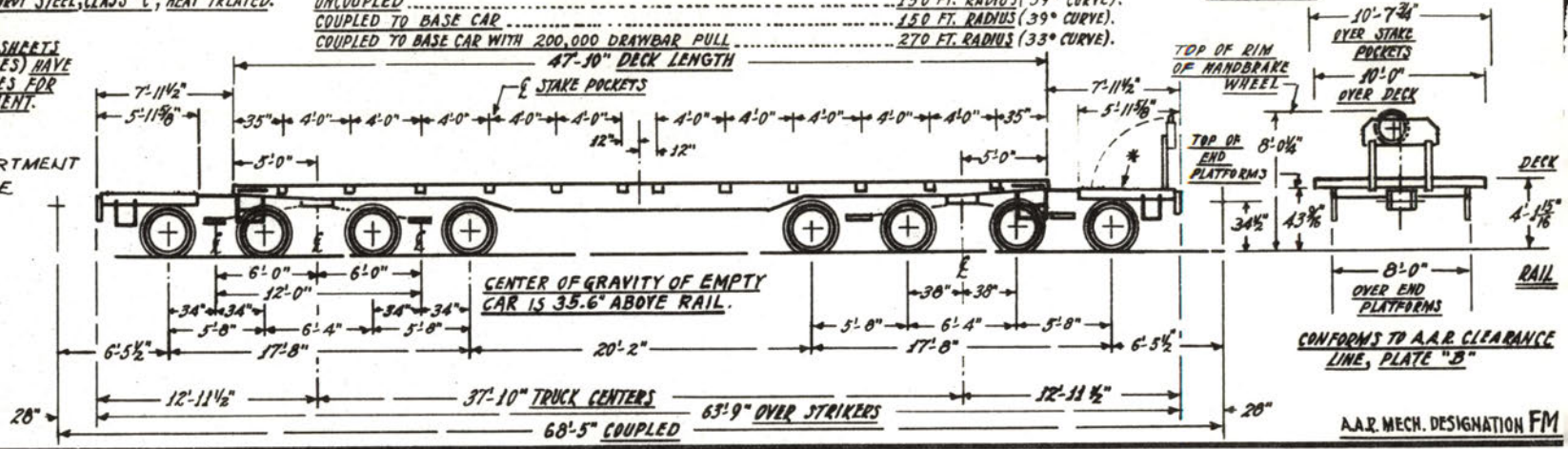
CURVING CHARACTERISTICS (HORIZONTAL, LEFT & RIGHT):-

UNCOUPLED ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR WITH 200,000 DRAWBAR PULL ..... 270 FT. RADIUS (33° CURVE).

END OF CAR CUSHION
KEYSTONE 15"

NOTE:- TWO END FLOOR SHEETS (FRAME TOP FLANGES) HAVE KEY-HOLE TYPE HOLES FOR USE OF TIE-DOWN EQUIPMENT.

* STORAGE COMPARTMENT FOR HAND BRAKE



A.A.R. MECH. DESIGNATION FM

		109104	109105	109106
1. **GENERAL**				
2.	CAPACITY 478.3 SQ.FT.	320,000 LBS.	320,000 LBS.	320,000 LBS.
3.	LIGHTWEIGHT	115,000 LBS.	114,300 LBS.	114,200 LBS.
4.	LOAD LIMIT	325,000 LBS.	325,700 LBS.	325,800 LBS.
5.	MAX. LOAD ON RAILS	440,000 LBS.	440,000 LBS.	440,000 LBS.
6. **BODY**				
7.	UNDERFRAME	A.A.R. ALL WELDED DESIGN		
8.	CENTER SILL, STUB	2 A.A.R. Z-26 SECTIONS @ 51.2# (WELDED), 5'-10¾" LG.; WELDED TO SPAN BOLSTER		
9.	& ARRANGED FOR APPLICATION OF (KEYSTONE) 15" TRAVEL END OF CAR CUSHIONING DEVICE			
10.	SPAN BOLSTER (TRUCKS)	5-PIECE WELDED DESIGN; CAST STEEL, GRADE "C"; BUCKEYE DRWG. Nº D-11357		
11.	FRAME	FABRICATED & WELDED FROM STEEL PLATES & "TEE" SECTIONS.~		
12.		"TEE" SECTIONS WILL FORM THE WEBS WHILE THE PLATES WILL BE USED FOR THE FLANGES.~		
13.		THE FRAME WILL BE DEEPER IN THE CENTER OF THE CAR & IS A FISH BELLY DESIGN		
14.	END SILL	VERTICAL STEEL WEB BETWEEN THE TOP & BOTTOM FLANGES		
15.	CROSSTIES	(9) AT CENTER 15" S. TEE @ 49.5#; (6) AT BOLSTERS, 6" S. TEE @ 42.5#		
16.	FLOORING (3-PIECE)	TOP FLANGE OF THE FRAME WELDMENT; 13/16" THICK STEEL PLATE		
17.	BOLSTER	BUILT-UP WELDED TYPE WITH 13/16" THICK FLOOR AS TOP COVER PLATE &		
18.		1½" THICK × APPROX. 32" WIDE BOT. COVER PLATE; WEBS, 1" PLATE & 6" S. TEE @ 42.5#		
19.	CENTER PLATE (BODY)	CAST STEEL, BOWL 19 5/16" DIA.; BUCKEYE DRWG. Nº C-11362		
20.	SIDE BEARINGS	⅝" THICK HARDENED STEEL WEAR PLATE, SHIMMED &		
21.		BOLTED ON ½" PLATE WITH TWO 1" THICK WEBS BETWEEN BOTTOM COVER PLATE; WELDED		
22.	END PLATFORMS	EACH IS CANTILEVERED OFF THE SPAN BOLSTER & IS 5'-6" ×		
23.		8'-0" WIDE, CONSISTS OF STRUCTURAL STEEL MEMBERS WITH A ¼" STEEL FLOOR		
24.		PLATE		
25. **DRAFT GEAR**				
26.	TYPE	KEYSTONE, 15" TRAVEL; Nº EOC-15-KE; KEYSTONE DRWG. Nº 7-D-2480		
27.	COUPLER YOKE	FOR TYPE "E" 25 COUPLER; KEYSTONE DRWG. Nº 7-D-1818		
28.	COUPLER	A.A.R. TYPE "E" (4¾" TRAVEL); GRADE "C" CAST STEEL; 6¼" × 8" × 25" SHANK; A.A.R. Nº BE67AHT		
29.	RETURN SPRING ASSEMBLY (2 EACH END)	KEYSTONE DRWG. Nº 7-C-2036		
30.	DRAFT KEY (1 EACH END)	SPECIAL; 1½" THICK × 6" WIDE × 26⅞" LG.; KEYSTONE DRWG. Nº 7-A-2038		
31.	RETAINER & WASHER (2 EACH END)	RET. PIN 1½" DIA. & ½" THICK WASHER; KEYSTONE DRWG. Nº 7-L-2039		
32.	COUPLER RELEASE RIGGING	BOTTOM OPERATING; STAND. RWY. EQUIP'S DRWG. Nº 1U-23208-A		
33. **BRAKES**				
34.	SCHEDULE	STD. WESTINGHOUSE ABD EQUIPMENT EXCEPT BRAKE CYLINDER		
35.		(WABCOPAC B3-A8½) WITH WABCO Nº 574943 RETAINER VALVE; 2 SET UNDERSIDE OF CAR		
36.	TRAINLINE	A.A.R. STD. 1¼" PIPE, WITH 2 WABCO Nº 539646, 1⅜" ARMORED HOSE × 61 13/16"		
37.	HOSE ASSEMBLY	USED AT ENDS OF TRAINLINE FOR 15" DRAFT GEAR TRAVEL; AEROQUIP		
38.	(AIR BRAKE) STRATOFLEX #215-AR-16 ~~30808-12-1612~~ HOSE ASSEMBLY 1¼" × 37", PIECE Nº A153110-20-24S-37"			
39.	BRAKE POWER @ 50# CYLD. PRESS.	THEORETICAL %; ACTUAL %; EFFICIENCY %		
40.	BRAKE REGULATOR	NONE; (WABCOPAC B3-A8½)		
41.	BRAKE STEP	NONE; HANDBRAKES MOUNTED ON ONE END PLATFORM		
42.	HAND BRAKES	ELLCON-NATIONAL; WITH SHEAVE & CHAIN ARRGT.; NO BELL CRANK		
43.	HAND BRAKE FORCE	THEORETICAL %; ACTUAL %; EFFICIENCY %		
44. **TRUCKS**				
45.	TYPE (DOUBLE, 8-WHEEL)	S.C.L. CLASS **T-155**; EACH TRUCK IS MADE UP OF 2 STANDARD		
46.		70-TON CAPACITY 6" × 11" BARBER S-2-A STABILIZED TRUCKS, 2½" SPRING		
47.		TRAVEL, NARROW PEDESTAL TYPE WITH BOLSTERS HAVING 14" I.D. BOWLS FOR 13¾"		
48.		DIA. SPAN BOLSTER INTEGRAL CAST (2) CENTER PLATE.~ THE 2 TRUCKS ARE CON-		
49.		NECTED BY A 5-PIECE WELDED DESIGN CAST STEEL, GRADE "C", SPAN BOLSTER WHICH		
50.		HAS (TOP) 19½" I.D. CENTER BOWL FOR BODY CENTER PLATE.~ NOTE THAT CAST SPAN		
51.		BOLSTERS HAVE A.A.R. Z-26 SECTION @ 51.2# WELDED ON ONE END FOR DRAFT SILL.		
52.	SIDE BEARINGS (SPAN BOLSTERS)	FRICTION TYPE; BAR STEEL, QUENCHED & TEMPERED		
53.	SIDE BEARINGS (TRUCKS)	SINGLE ROLLER TYPE; A. STUCKI CO'S DRWG. Nº 656-C		
54.	SNUBBER	SINGLE COIL, BARBER S-2-A; (4 PER 4-WHEEL TRUCK)		
55.	BRAKE SHOES	1¼" THICK COMPOSITION		
56.	BRAKE SHOE KEY	SPRING TYPE		
57.	AXLES	6" × 11", A.A.R. M-101-68, D-11, GRADE "F"; DOUBLE NORMALIZED & TEMPERED		
58.	JOURNAL BEARINGS	TIMKEN, CLASS E (6" × 11") LUBE FITTING, TYPE "AP"; DRWG. Nº E-22927-Q		
59.	PEDESTAL ADAPTERS	6" × 11", NARROW TYPE		
60.	NAR. PED. FRAME KEY	B.F.F. STOCK J013		
61.	BRAKE BEAMS	WABCOPAC B3-A8½		
62.	TRUCK SPRINGS (4 NESTS PER 8-WHL. TRK.)	2½" TRAVEL, D-3; EACH NEST 5 OUTER & 5 INNER		
63.	BOTTOM ROD CONNECTION	37½" BETWEEN INSIDE HOLES, 2-HOLE TYPE; WABCOPAC		
64.	BRAKE LEVERS	FOR HAND BRAKE ONLY; INCLUDED IN WABCOPAC		

D.N.R.
10-1-74

4 CARS BUILT 1974 BY THE MAXSON CORPORATION AT THEIR ST. PAUL, MINN. PLANT ~ THEIR ORDER No 12577-R ~ S.C.L. PURCHASE ORDER No E-94 A.F.E. No 16997-CR. ~ FILE 21.02.20

HEAVY DUTY FLAT CAR ~ SCL Nos 109107 - 109110

150-TON CAPACITY

CLASS F-3-B

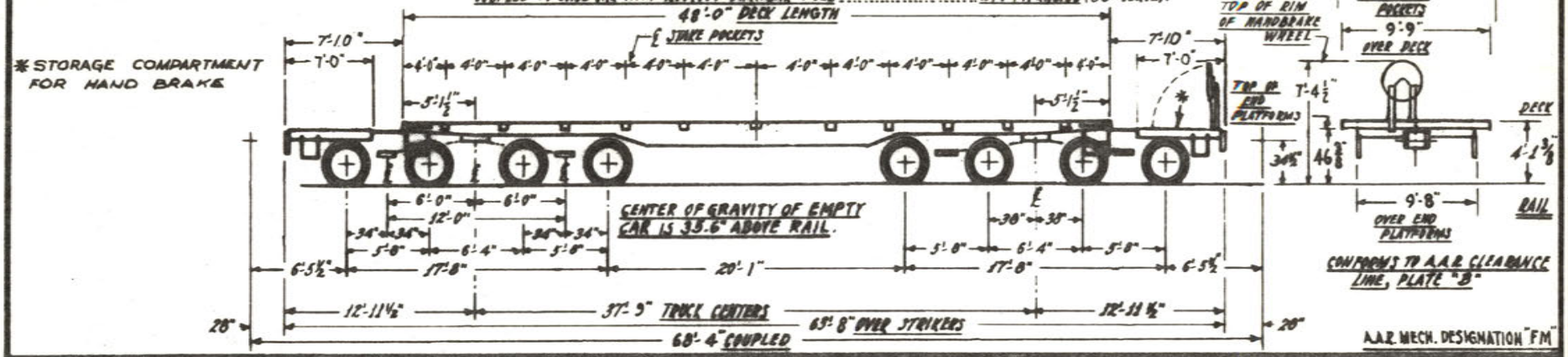
21-3

END OF CAR CUSHION
KEYSTONE 15"

WHEELS:- 33" DIA., L-W WROT STEEL, CLASS "C", HEAT TREATED.

CURVING CHARACTERISTICS (HORIZONTAL, LEFT & RIGHT):-

UNCOUPLED ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR ..... 150 FT. RADIUS (39° CURVE).
COUPLED TO BASE CAR WITH 200,000 DRAWBAR PULL ..... 270 FT. RADIUS (33° CURVE).



FREIGHT BOOK No 3

		109107	109108	109109	109110
1.	**GENERAL**				
2.	CAPACITY	335,000 LBS.	335,000 LBS.	335,000 LBS.	335,000 LBS.
3.	LIGHTWEIGHT	103,000 LBS.	103,300 LBS.	103,400 LBS.	103,300 LBS.
4.	LOAD LIMIT	337,000 LBS.	336,700 LBS.	336,600 LBS.	336,700 LBS.
5.	MAX. LOAD ON RAILS	440,000 LBS.	440,000 LBS.	440,000 LBS.	440,000 LBS.
6.	**BODY**				
7.	UNDERFRAME	A.A.R. ALL WELDED DESIGN			
8.	CENTER SILL, STUB	2 A.A.R. Z-26 SECTIONS @ 51.2# (WELDED), WELDED TO SPAN BOLSTER			
9.		& ARRANGED FOR APPLICATION OF (KEYSTONE) 15" TRAVEL END OF CAR CUSHIONING DEVICE			
10.	SPAN BOLSTER (TRUCKS)	5-PIECE WELDED DESIGN; CAST STEEL, GRADE "C"; BUCKEYE DRWG. No D-11357			
11.	FRAME	FABRICATED & WELDED FROM STEEL PLATES			
12.					
13.		THE FRAME WILL BE DEEPER IN THE CENTER OF THE CAR & IS A FISH BELLY DESIGN			
14.	END SILL	FABRICATED FROM ½" WEB PL. & ¾"×4½" FLG. BAR			
15.	CROSSBEARER	FABRICATED DESIGN; ½" WEB, ⅝" BOTT. COV. PL.			
16.	FLOORING	;1" THICK STEEL PLATE			
17.	BOLSTER	BUILT-UP WELDED TYPE WITH 1" THICK FLOOR AS TOP COVER PLATE &			
18.		⅝"×36" WIDE BOT. COVER PLATE; WEBS, ⅝" PLATE			
19.	CENTER PLATE (BODY)	CAST STEEL, BOWL 19 3/16" DIA.; BUCKEYE DRWG. No C-10753			
20.	SIDE BEARINGS	5/16" THICK HARDENED STEEL WEAR PLATE,			
21.					
22.	END PLATFORMS	EACH IS CANTILEVERED OFF THE SPAN BOLSTER & IS 7'-0"×			
23.		9'-8" WIDE, CONSISTS OF STRUCTURAL STEEL MEMBERS WITH A ¼" STEEL FLOOR			
24.		DIAMOND TREAD PL.			
25.	**DRAFT GEAR**				
26.	TYPE	KEYSTONE, 15" TRAVEL; No EC-15-R ; KEYSTONE DRWG. No EC-15-RA			
27.	COUPLER YOKE	FOR TYPE "E" COUPLER; KEYSTONE DRWG. No YE-A			
28.	COUPLER	A.A.R. TYPE "E" (15" TRAVEL); GRADE "C" CAST STEEL; 6¼"×8"×25" SHANK; A.A.R. No E-678-HT			
29.	RETURN SPRING ASSEMBLY (2 EACH END)	KEYSTONE DRWG. No 7-C-2036			
30.	DRAFT KEY (1 EACH END)	; KEYSTONE DRWG. No P-A-2038			
31.	RETAINER & WASHER (2 EACH END)	; KEYSTONE DRWG. No P-L-2039			
32.	COUPLER RELEASE RIGGING	BOTTOM OPERATING; HOLLAND MODEL #D-101; DRWG. No 2C-1526			

33.	**BRAKES**	
34.	SCHEDULE	ABD EQUIPMENT; N.Y.A.B. CO. COMPLETE
35.		NYCOPAC: B3-8½" TRUCK MOUNTED BRAKES
36.	TRAINLINE	A.A.R. STD. 1¼" PIPE,
37.	HOSE ASSEMBLY	USED AT ENDS OF TRAINLINE FOR 15" DRAFT GEAR TRAVEL; STRATOFLEX
38.		
39.	BRAKE POWER @ 50# CYLD. PRESS.	27.83% OF L.T. WT.; 6.51% OF G.R.L.; NET BRAKE FORCE 28,667 LBS.
40.	BRAKE REGULATOR	NONE:
41.	BRAKE STEP	NONE; HANDBRAKES MOUNTED ON ONE END PLATFORM
42.	HAND BRAKE	HP 6300 – ELLCON-NATIONAL; WITH SHEAVE & CHAIN ARRST.; NO BELL CRANK
43.	HAND BRAKE FORCE	16.11% OF G.R.L.; NET BRAKE FORCE 70,917 LBS.
44.	**TRUCKS**	
45.	TYPE (DOUBLE, 8-WHEEL)	S.C.L. CLASS T-155; EACH TRUCK IS MADE UP OF 2 STANDARD
46.		70-TON CAPACITY 6"×11" BARBER S-2-A STABILIZED TRUCKS, 2½" SPRING
47.		TRAVEL, NARROW PEDESTAL TYPE WITH BOLSTERS HAVING 14" I.D. BOWLS FOR 13¾"
48.		DIA. SPAN BOLSTER INTEGRAL CAST (2) CENTER PLATE. ~ THE 2 TRUCKS ARE CON-
49.		NECTED BY A 5-PIECE WELDED DESIGN CAST STEEL, GRADE "C", SPAN BOLSTER WHICH
50.		HAS (TOP) 19½" I.D. CENTER BOWL FOR BODY CENTER PLATE. ~ NOTE THAT CAST SPAN
51.		BOLSTERS HAVE A.A.R. Z-26 SECTION @ 51.2# WELDED ON ONE END FOR DRAFT SILL.
52.	SIDE BEARINGS (SPAN BOLSTERS)	MACHINED SURFACE ON SPAN BOLSTER CASTING
53.	SIDE BEARINGS (TRUCKS)	SINGLE ROLLER TYPE; A. STUCKI CO'S DRWG. No 656-C
54.	SNUBBER	SINGLE COIL, BARBER S-2-A; (4 PER 4-WHEEL TRUCK)
55.	BRAKE SHOES	1½" COBRA; V-141
56.	BRAKE SHOE KEY	SPRING TYPE
57.	AXLES	6"×11", A.A.R. M-101-68, D-11, GRADE "F"; DOUBLE NORMALIZED & TEMPERED
58.	JOURNAL BEARINGS	TIMKEN, CLASS E (6"×11") LUBE FITTING, TYPE "AP"; DRWG. No E-22927-Q
59.	PEDESTAL ADAPTERS	SCL DESIGN 6"×11", PEDESTAL JAW TYPE
60.	NAR. PED. FRAME KEY	NONE; SCL DESIGN BOLT & SPACER
61.	BRAKE BEAMS	NYCOPAC
62.	TRUCK SPRINGS (4 NESTS PER 8-WHL. TRK.)	2½" TRAVEL, D-3; EACH NEST 7 OUTER & 1 INNER
63.	BOTTOM ROD CONNECTION	37½" BETWEEN INSIDE HOLES, 2-HOLE TYPE; B-END
64.	BRAKE LEVERS	FOR HAND BRAKE ONLY; INCLUDED IN NYCOPAC

4-15-71
jwh

FREIGHT BOOK Nº 3

P-13 BUILT 1943 BY GREENVILLE STL. CAR CO., THEIR LOT 0.0.64;
P-14 BUILT 1943 BY PULLMAN, THEIR LOT 5738; 24 CARS
EQUIPPED FOR POLE SERVICE 1970-71 AT WAYCROSS SHOPS;
A.F.E. Nº 13,657-EQ. ~ FILE 21.17.2

FLAT, POLE SERVICE ~ ~ CLASS P-13 & P-14

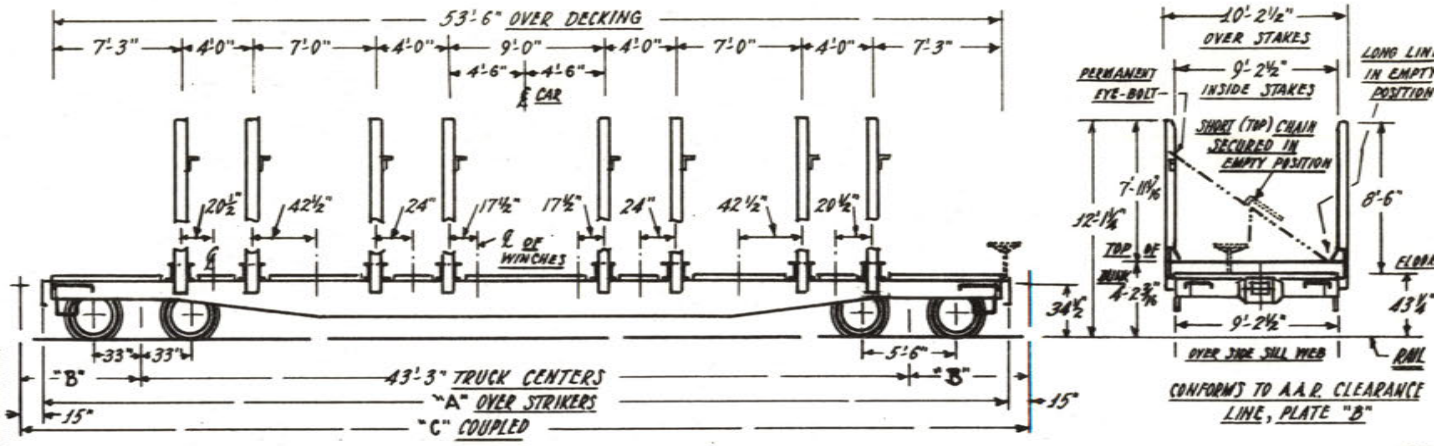
WHEELS :- 33" DIA. STEEL.

CLASS P-13 Nºs :-

677008, 677012, 677015, 677026, 677074, 677076, 677108, 677123, 677124, 677126, 677130, 677137, 677171,

CLASS P-14 Nºs :-

677180, 677203, 677209, 677275, 677314, 677322, 677387, 677420, 677431, 677440, 677232



CLASS	"A"	"B"	"C"
P-13	54'-3"	6'-9"	56'-9"
P-14	54'-2	6'-8½"	56'-8"

FOR GEN. ARRGT. SEE S.C.L. DRWG. Nº CF-166. ~ SEE DRWG. Nº CE-60 FOR SIDE STAKE & BUNK ASSEMBLY.

A.A.R. MECH. DESIGNATION FM

1.	**GENERAL**	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHT WEIGHT	(PROTOTYPE Nº 677008) 61,400 LBS.
4.	LOAD LIMIT	115,600 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED & RIVETED STEEL; FISHBELLY DESIGN
8.	CENTER SILL	ROLLED STEEL ANGLES & TWO ⅜" PLATES, RIVETED; FISHBELLY DESIGN
9.	CTR. SILL TOP COVER PLATE	ROLLED STEEL PLATES, 27" x ⅜"
10.	STRIKER & FRONT DRAFT LUGS	CAST STEEL, RIVETED; { P-13 PATT. Nº F-236-A; P-14 PATT. Nº F-216-B }
11.	END SILLS	12" ROLLED STEEL CHANNELS @ 20.7#
12.	BOLS. CTR. FILLER & REAR DRAFT LUGS	CAST STEEL, RIVETED, { P-13, PATT. Nº F-259-D; P-14, PATT. Nº F-259-E }
13.	BOLS. TOP COVER PLATE	ROLLED STEEL PLATE, RIVETED; 20" x ½"
14.	BOLSTER WEBS	5/16" STEEL PLATE, FLANGED & RIVETED
15.	BOLS. BOTT. COVER PLATE	16" x ⅝" FORMED STEEL PLATE, RIVETED
16.	BODY CENTER PLATES	11¾" DIA. BOWL, CAST STEEL, RIVETED, { P-13, PATT. Nº F-219-U; P-14, PATT. Nº F-319-S }
17.	SIDE SILL	5/16" STEEL PLATE & ROLLED STEEL ANGLES, RIVETED; FISHBELLY DESIGN
18.	CROSSBEARERS (3 PER CAR)	¼" PRESSED STEEL PANS WITH (RIVETED) 9" x ⅜ TOP & BOT. COVER PLATES
19.	CROSSTIES	ENDS RIVETED; ¼" STEEL PLATE PRESSED PANS (5) 10" DEEP & (2) 8" DEEP AT WHEELS
20.	FLOORING	⅛" STEEL PLATE BETWEEN BUNKS & TO END SILLS
21.	FLR. STRINGERS	2 EACH SIDE CENTER SILL, 4" ZEES @ 8.2# BETWEEN BOLSTERS
22.	FLR. STRINGERS	3 EACH SIDE OF CENTER SILL, 3" ZEES @ 6.7# BOLSTERS TO END SILLS
23.	LADING BAND ANCHORS	NONE
24.	STAKE POCKETS	ORIG. STAKE POCKETS REMAIN EXCEPT THOSE MODIFIED FOR WINCH & CHAIN ANCHORS
25.	BUNKS (8 PER CAR)	EACH CONSISTS OF TWO 9" @ 13.4# CHANS. 10'-0½" LG. (2) 3" x 3" x ¼" x 6⅝ LG. ANGLES & (2) ¼" PLATE SEPA-
26.		RATORS ~ 5½" x 9" WIDE COVER PLATE WITH SEGMENT IN "R" END RIGGED FOR LONG LINK OF UPPER CHAIN ASSEMBLY USED ON EMPTY MOVEMENT ~ TWO 5/16" PLATE GUSSETS AT EACH END FOR SIDE STAKE CONNECTIONS ~ ALL WELDED
27.	SIDESTAKES (16 PER CAR)	EACH CONSISTS OF (2) 6" x 6" x ¾" ANGLES 9'-5⅝ LG. WELDED INTO BOX SECTIONS. ~
28.		STAKES ON "L" SIDE HAVE ANGLE BRACKET WELDED FOR ¾" SHOULDERED EYE-BOLT FOR UPPER CHAIN. ~ STAKES ON "R" SIDE HAVE ANCHOR CLIPS FOR LONG LINK OF UPPER CHAIN USED IN LOADED POSITION
29.	CHAIN, STAKE (SHORT)	⅜" ACCOLOY K-21 KUPLER, ⅜" ALLOY STEEL CHAIN 5'-0" LG., 15/32" ALLOY LINK ¾" I.W. x 1⅜" I.L.
30.	CHAIN, STAKE (LONG)	15/32" ALLOY LINK, ¾" I.W. x 1¾" I.L.; ⅜" ALLOY GRAB HOOK; ⅜" ALLOY STEEL CHAIN 11'-0" LG.; 3/20" ALLOY COUPLING LINK; WELDLESS END LINK, FORGED STEEL 5/8" DIA., 1" I.W. x 3⅛" I.L.
31.	LOAD BINDER	LEBUS Nº L-150, MODEL C-1, ⅝" MAX. CHAIN SIZE OR EQUAL
32.	WINCHES (8 PER CAR)	HELIX WINCH BINDER ASSEMBLY; ACCO DRWG. Nº YK-9956-B
33.	CHAIN BOXES (WINCH CHAIN)	¼" STEEL PLATE; 10" LONG, 5" DEEP, 6" WIDE AT TOP, 4" WIDE AT BOTTOM
34.	LONG CHAINS (8 PER CAR)	CHAIN SNAP CONVERT Nº 240 OR EQUAL; CARBON STEEL RING, APPROX. 2½" I.D.; 15/32" ALLOY LINK ¾" I.W. x 1¾" I.L.; ⅝" ALLOY CHAIN 30'-0" LG. 3⅝" ACCOLOY K-21 KUPLER
35.	LONG CHAIN ANCHORS	¾" ALLOY EYE-BOLT (SHOULDERED) Nº 3; ¾" FLAT WASHER, ¾" ELASTIC STOP NUT
36.	CHAIN BOXES	¼" STEEL PLATE, 24" LONG, 10" DEEP, 7" WIDE AT TOP, 4" WIDE AT BOTTOM
37.	DEFECT CARD HOLDER	"M-R" WEATHERPROOF DEFECT CARD RECEPTACLE Nº 2
38.	DRAFT KEY RETAINER	"POSITIVE" TYPE; ILL. RWY. EQUIP. CO'S DRWG. Nº 426
39.	**DRAFT GEAR**	
40.	TYPE	CARDWELL-WESTINGHOUSE RF-310 OR EQUAL
41.	COUPLER YOKE	CAST STEEL; VERTICAL PLANE; PATT. Nº Y-40
42.	COUPLER	A.A.R. TYPE "E", CAST STEEL, GRADE "B"; 6¼" x 8" x 21½" SHANK; CAT. Nº E-60
43.	UNCOUPLING DEVICE	BOTT. OPER'G; STD. RWY. EQUIP. MFG. CO.; P-13, 1U-3141-A; P-14, 1U-3339-B
44.	**BRAKES**	
45.	SCHEDULE	WESTINGHOUSE AB-1012
46.	BRAKING POWER	18.8% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
47.	BRAKE CYLINDER	
48.	SLACK ADJUSTER	MANUAL TYPE
49.	HAND BRAKES	"UNIVERSAL" MULTI-POWER UNIT 2105; WITH DROP BRAKE STAFF
50.	**TRUCKS**	
51.	TYPE	5½" x 10", 1⅝" SPRING TRAVEL; S.C.L. CLASS T-9-A-1 OR T-9-D
52.	SIDE BEARING	SINGLE ROLLER TYPE; "MONOCAST" Nº 20; S.C.L. CO'S DRWG. Nº 2319-A
53.	SNUBBER	CARDWELL TYPE "A"
54.	TRUCK SPRINGS	1⅝" TRAVEL; A.A.R. CLASS D-2; 4 OUTER & 4 INNER PER NEST
55.	AXLES	5½" x 10" PLAIN BEARING, A.A.R. CLASS D; D-12 DESIGN
56.	BRAKE BEAMS	T-9-A-1, HANGER TYPE; T-9-D, UNIT TYPE
57.	BRAKE SHOES	1½" UNFLANGED, A.A.R. 1A
58.	TRUCK LEVERS	T-9-A-1, 8" x 16"; T-9-D, DEAD LEVER, 5½" x 11"; LIVE, 7" x 14"
59.	TRUCK LEVER CONN.	35" BETWEEN INSIDE HOLES; 3-HOLE TYPE
60.	JOURNAL BEARINGS	A.A.R. STD. 1½" x 10" PLAIN BEARING & WEDGE

3-30-67
J mc

4-1-69

FLATS & BULKHEAD

FREIGHT BOOK Nº 3

FLAT, BULKHEAD ~ ~ CLASS PS-18

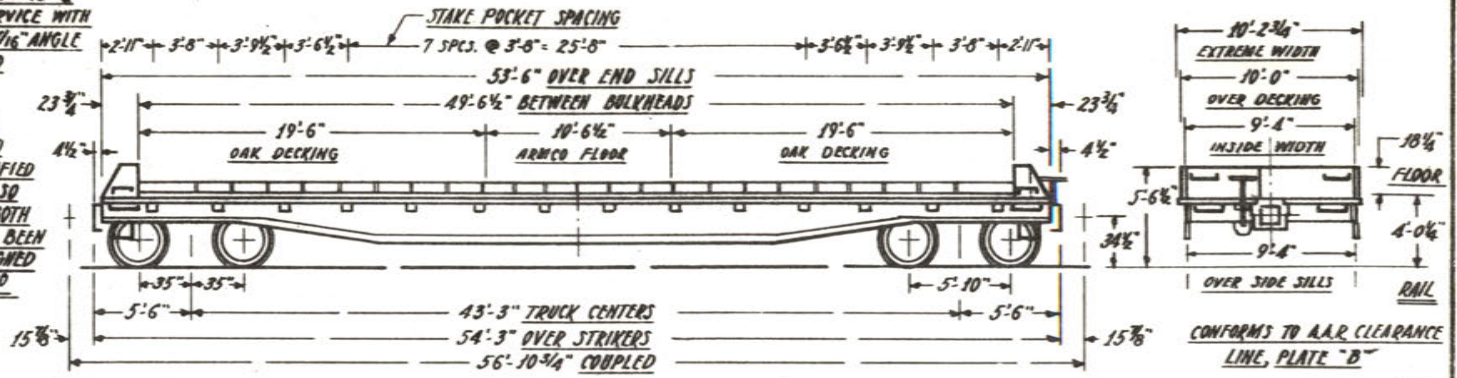
SCL Nºs 744700-744724

25 CARS BUILT 1960 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL., AS COIL TIN PLATE FLAT CARS WITH 18" HIGH BULKHEAD & HINGED COVERS. ~ THEIR ORDER Nº 13480 ~ I.R.L. Nº S-5717, CAR Nºs 4700-4724.

WHEELS:- 36" DIA., M.W., GRADE "B".

NOTE:- COIL TIN PLATE HOODS REMOVED IN 1964-65 & CARS MODIFIED FOR SLAB GRANITE SERVICE WITH 18" HIGH END BULKHEADS & 7" x 4" x 7/16" ANGLE AT SIDES ON TOP OF DECK FROM BULKHEAD TO BULKHEAD.

Nºs 744706 & 744713 HAVE BEEN EQUIPPED WITH CARDWELL-WESTINGHOUSE DRAFT GEAR, TYPE H-60 (HYDRAULIC-FRICTION) & STRIKERS HAVE BEEN MODIFIED TO ACCOMODATE 3¼" TRAVEL DRAFT GEAR. ~ ALSO LONGITUDINAL DECK ANGLES REMOVED FROM BOTH SIDES. ~ ALSO Nºs 744712 & 744716 HAVE BEEN MODIFIED SAME AS ABOVE (9-30-71) & ASSIGNED TO G.E. TURBINE SERVICE. ~ ALSO Nº 744700



GEN. ARRGT. THRALL CO.'S DRWG. Nº F-1691-B & S.A.L. DRWG. C8-6368.

A.A.R. MECH. DESIGNATION FMS

1.	**GENERAL**		
2.	CAPACITY	APPROX. 462 SQ.FT. (90-TONS)	180,000 LBS.
3.	LIGHTWEIGHT		70,000 LBS.
4.	LOAD LIMIT		193,000 LBS.
5.	MAX. LOAD ON RAILS		263,000 LBS.
6.	**BODY**		
7.	CENTERSILL	FISH BELLY TYPE; (2) H.T.L.A., CB-301 @ 132# I-BEAM SECTIONS WITH	
8.		¾" x 13" TOP COVER PLATE & (2) 4" B-16 @ 7.7# I-BEAM FLOOR SUPPORTS ON TOP FLANGES	
9.	STRIKER	CAST STEEL, GRADE "B"; ALLIED STEEL CSTGS., PATT. Nº S-77	
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	CAST STEEL, GRADE "B"; ALLIED STEEL CSTGS., PATT. Nº S-73	
11.	BODY BOLSTERS	⅝" WEB PLATES WITH 40" x ½" TOP & 21" x ½" BOT. COVER PLTS.; 23½" x ½" SOLE PLATE	
12.	BODY CENTER PLATE	A.A.R. DROP FORGED, 14" DIA. BOWL; SECURED WITH ⅞" RIVETS	
13.	BODY SIDE BEARING BRACE	⅝" PLATE INVERTED "U" SHAPE PRESSINGS; WELDED	
14.	END SILLS	12" CHANNELS @ 20.7#	
15.	END SILL COVER PLATE	NONE	
16.	END BULKHEADS	18" HIGH; FORMED WITH ¼" STEEL PLT., 12 GA. PLT. & (8) ⅜ STL. PLT. SUPPORTS	
17.	FLOOR STRINGERS (4 PER CAR)	8" I-BEAM @ 13.# WHL. TO WHL. & 4" I-BEAM @ 7.7#, WHL. TO ENDSILL	
18.	SIDE SILLS	FISHBELLY TYPE; ⅜" WEB PLATE WITH 8" x 6" x ⅝" ANGLE TOP & BOTTOM CHORDS	
19.	CROSSBEARERS (3 PER CAR)	BUILT-UP, WELDED TYPE; ⅜" WEB PLATE & 6" x ⅜" TOP & BOT. COVER PLATES	
20.	CROSSTIES (6 PER CAR, INTER.)	12" CHANNEL @ 20.7# & (2 PER CAR AT WHLS.) 9" CHANNEL @ 15.#	
21.	FLOOR	3" OAK DECKING, EXCEPT 10'-6½" AT CENTER OF CAR "ARMCO" STEEL SECTIONS 3" DEEP	
22.	BRAKE STEP	⅛" DIAMOND PLATE PLATFORM; SIDE TO CENTERSILL, AT HAND BRAKE CORNER	
23.	ROPING STAPLE	NONE	
24.	DRAFT KEY (2 PER CAR)	6" x 1½" x 16½" CENTER OF HOLE TO HEAD; ROUND EDGE SECTION	
25.	DRAFT KEY RETAINER	"SURE-LOX"; WESTERN RWY. EQUIP. CO.	
26.	STAKE POCKETS (28 PER CAR)	⅜" PRESSED STEEL PLATE; RIVETED TO SIDESILL	
27.	BRAKE BADGE PLATE		
28.	BODY BRAKE LEVERS	16 9/16" x 17 7/16" CYLD., & 12 11/16" x 13 5/16"; SCHAEFER DRWG. Nºs 1136-B & 1083-C	
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.'S 22-2716; S.A.L. C3-4950	
30.	ANGLE COCK HOLDER	⅝" "U" BOLT; CAR BUILDERS DESIGN	
31.	**DRAFT GEAR**		
32.	TYPE	NATIONAL MALLEABLE TYPE MF-400	
33.	COUPLER YOKE	STD. VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº Y-40	
34.	COUPLER	A.A.R. TYPE "E", CAST STEEL, GRADE "B"; 6¼" x 8" x 21¼" SHANK; CAT. Nº E-60	
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STAND. RWY. EQUIP. MFG. CO.	
36.	**BRAKES**		
37.	SCHEDULE	STD. AB-1210 & Q.R.R. RELEASE VALVE	
38.	FITTINGS	WABCOSEAL	
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & "REAL" PIPE CLAMPS	
40.	BRAKE POWER	19 % OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE	
41.	BRAKE REGULATOR	WESTINGHOUSE TYPE D-112-D	
42.	BELL CRANK	NONE	
43.	HAND BRAKES	HORIZONTAL WHEEL, DROP STAFF, MULTI-POWER UNIT 2095-2241,	
44.		GEARED TYPE; UNIVERSAL RAILWAY DEVICES CO.'S DRWG. Nº 7326	
45.	**TRUCKS**		
46.	TYPE	6½" x 12" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL	
47.	SIDE BEARINGS	DOUBLE ROLLER TYPE; A. STUCKI CO.'S Nº 688-B	
48.	SNUBBER	A-3 RIDE CONTROL	
49.	BRAKE SHOES	A.A.R. 1-A	
50.	BRAKE SHOE KEY	"LOCKEY"	
51.	ROLLER BRG. ADAPTERS	A.A.R. 6½" x 12" NARROW JAW TYPE; NAT'L. CSTGS. CO.	
52.	AXLES	A.A.R. 6½" x 12" ROLLER BEARING	
53.	JOURNAL BEARINGS	6½" x 12" TIMKEN AP TYPE ROLLER BEARING	
54.			
55.	BRAKE BEAMS	Nº 24 UNIT TYPE; B.B.B. CO.	
56.	SPRINGS	2½" TRAVEL; 28 OUTER, 20 INNER (D3) & 8 DOUBLE COIL RIDE CONTROL	
57.	BOTTOM ROD CONN.	37" BETWEEN INSIDE HOLES, 2-HOLE TYPE; SCHAEFER DRWG. Nº 1204-A	
58.	BRAKE LEVERS	5" x 10", 8° BEND & 7" x 14", 12° BEND (SHORT ENDS); SCHAEFER 1244-A & 1241-A	

3-20-69 j.m.a.

6-3-69

FLATS & PULPWOOD

FREIGHT BOOK Nº 3

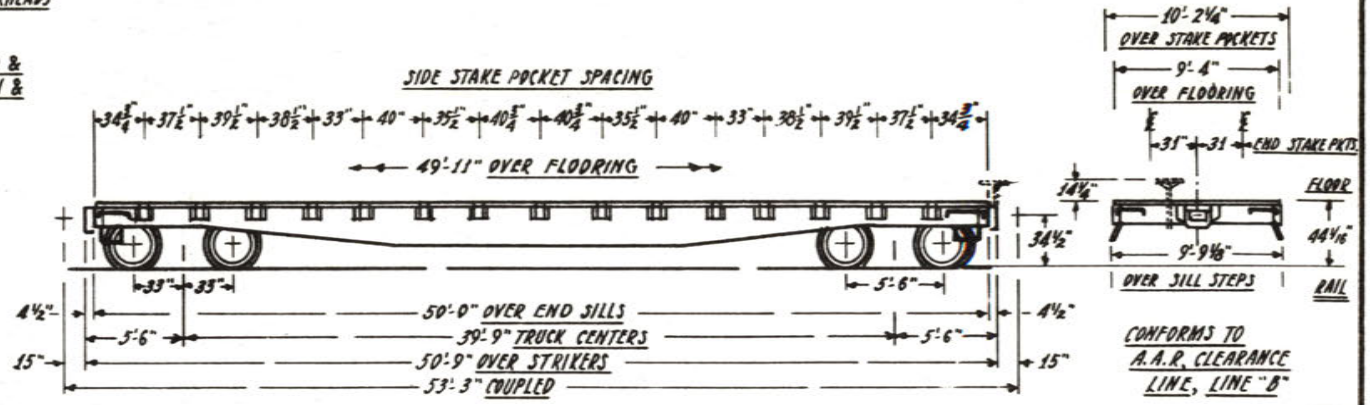
FLAT CAR ~ SCL Nºs 847000-847089 ~ CLASS PS-10

100 CARS BUILT 1940 BY AMERICAN CAR & FOUNDRY CO., AT BERWICK, PA. ~ THEIR LOT Nº 1982 ~ S.A.L. SPEC. Nº 1939-4 ~ S.A.L. CAR Nºs 47000-47099.

WHEELS:- A.A.R. 33" DIA.

NOTE 1:- CARS 847090-847099 FROM THIS SERIES HAD BULKHEADS APPLIED IN 1958 ~ SEE PAGE 63.

NOTE 2:- MALLEABLE IRON, 15 EACH SIDE, PATT. FM-2790 & DRWG. Nº C2-3986; 2 EACH END, PATT. FM-2791 & DRWG. Nº C1-3831.



GEN. ARRGT. A.C. & F. CO.'S DRWG. Nº 6155236 & S.A.L. CO-3836.

A.A.R. MECH. DESIGNATION FM

1.	**GENERAL**	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHTWEIGHT	42,400 LBS.
4.	LOAD LIMIT	134,600 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH (1 EACH) 4" x 3 1/2" x 3/8"
8.		ANGLE AT TOP & (2 EACH) 4" x 3 1/2" x 7/16" ANGLES AT BOTTOM, 30" DEEP AT CENTER & 25" x 1/2" TOP COVER PLATE
9.	STRIKER	CAST STEEL; S.A.L. PATT. FS-2787 & DRWG. C4-3850
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	CAST STEEL; S.A.L. PATT. FS-2780 & DRWG. C4-3806
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21" x 7/16" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL, DROP FORGED
13.	BODY SIDE BEARING BRACE	CAST STEEL; S.A.L. PATT. FS-2676 & DRWG. C2-3160
14.	END SILLS	12" @ 20.7 # CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	10" x 1/4" STEEL PLATE, SIDE TO SIDE
16.	END BULKHEADS	NONE
17.	FLOOR STRINGERS	1 EACH SIDE CENTER, BOLSTER TO BOLSTER, 4" x 4 1/2" LONG LEAF YELLOW PINE
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEBS WITH 4" x 3 1/2" x 3/8" ANGLES TOP & BOT.
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS
21.	FLOOR	2 3/4" THICK LONG LEAF YELLOW PINE & 1/2" COUNTERSUNK CARRIAGE HEAD BOLTS
22.	STAKE POCKETS	SEE NOTE 2 ABOVE
23.	ROPING STAPLE	NONE
24.	DRAFT KEY	STR. 6" x 1 1/2" x 16 1/2" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	A.A.R. STR. TEE HEAD TYPE
26.	DRAFT GEAR CARRIER	8" x 5/8" x 20 5/8" STEEL PLATE WITH (6) 3/4" DIA. RIVETS
27.	BRAKE BADGE PLATE	MALLEABLE IRON; S.A.L. PATT. FM-2786; B.&B. CO.'S DRWG. Nº B-1588
28.	BODY BRAKE LEVERS	13" x 23" CYLINDER & 11" x 19" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MACLEAN-FOGG Nº DCR-36-2B
30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S Nº 17-2724
31.	**DRAFT GEAR**	
32.	TYPE	PEERLESS FRICTION TYPE H-1 & WESTINGHOUSE FRICTION TYPE WY-11-E
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. Nº Y-40
34.	COUPLER	A.A.R. STR. TYPE "E", CAST STEEL; 6 1/4" x 8" x 21 1/4" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATING, SHOP MADE; A.C.& F. CO.'S DESIGN
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STR. AB-1012
38.	FITTINGS	E.H. PIPE & 1 1/4" REINE FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" PIPE CLAMPS; ILL. RWY. EQUIP. CO.
40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	NONE
43.	HAND BRAKES	HORIZONTAL WHEEL, DROP STAFF; UNIVERSAL MULTI-POWER
44.		UNIT 1734-1868; UNIVERSAL RWY. DEVICES CO.'S DRWG. 5375; S.A.L. DRWG. Nº C4-3794
45.	**TRUCKS**	
46.	TYPE	5 1/2" x 10", 1 5/8" SPRING TRAVEL, A.A.R. HANGER TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; WINE RWY. APPL. CO.'S DRWG. 2-A-180-B
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING TYPE "A"
49.	BRAKE SHOES	STD. A.A.R. 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10", FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10", SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 15 HANGER TYPE
56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; SCHAEFER Nº 789-B
58.	BRAKE LEVERS	8" x 16" FORGED STEEL; A.C.& F. CO.'S DRWG. Nº 1575502

GYPSUM FLAT ~ SCL Nos 847003-847485 ~ CLASS PS-10

42 CARS REBUILT & BULKHEADS APPLIED, 11 IN 1960 & 31 IN 1962, FROM ORIGINAL FLAT CARS, S.A.L. SERIES Nos 47000-47499 BUILT AS FOLLOWS:-

22 CARS, Nos 47003-47083 BUILT 1940 BY A.C. & F. CO., SEE PAGE 61
4 CARS, Nos 47103-47157 BUILT 1942 BY GREENV., SEE PAGE 64.
16 CARS, Nos 47215-47485 BUILT 1945 BY BETH. STL., SEE PAGE 65.

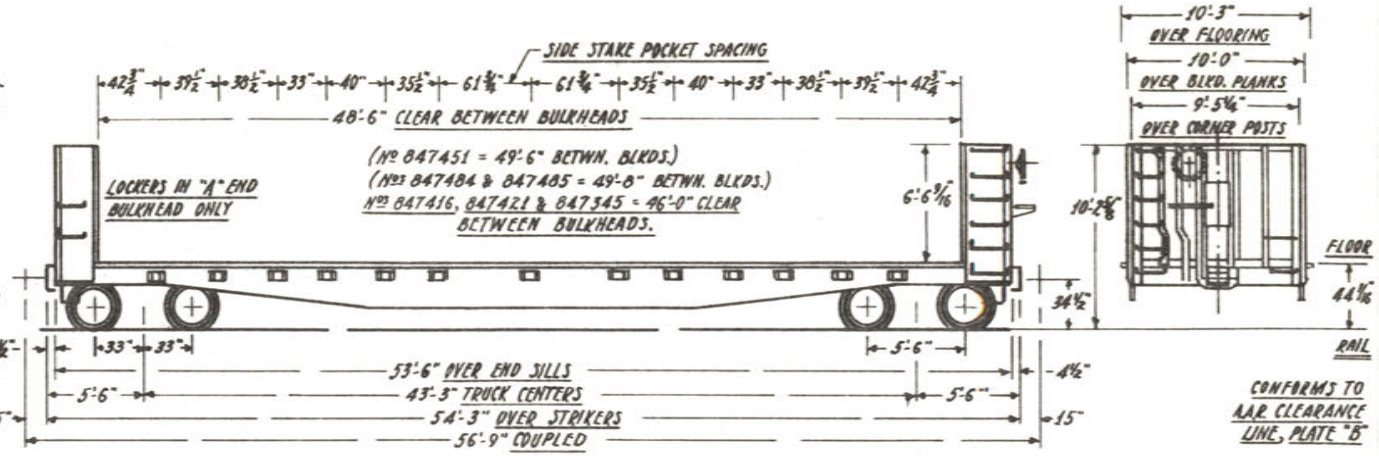
WHEELS:- A.A.R. 33" DIA.

NOTE 1:- CARS HAVE 2 SYSTEM LOCKERS IN "A" END BULKHEAD ONLY.~ DOORS OPEN TO INSIDE OF CAR.~ DRWGS. C8-6276 & C8-6459.

NOTE 2:- CARS WERE LENGTHENED 3'-6" BY SPLICING & REINFORCING UNDERFRAME AT CENTER OF CAR ~ S.A.L. DRWG. C7-6261.

NOTE 3:- "SERVEX" TIE ANCHORS, 56 PER CAR, AT SIDE SILLS & 8 ACROSS CENTER SECTION IN FLOOR SUPPORTED BY 7" x 3/8" PLATES (WELDED TEE SECTION) ~ "TU-WAY" TIE ANCHORS (4) ACROSS EACH BULKHEAD SUPPORTED BY 5" x 3" x 5/16" ANGLES. ~ SEE S.A.L. DRWGS. C8-6256 & C8-6472. ~ CARS 847017, 847033, 847040, 847045, 847072, 847077, 847269, 847395 & 847450 HAVE CONTINUOUS LADING STRAP ANCHORS EACH SIDE. ~ SEE S.A.L. DRWG. No C4-7769.

NOTE 4:- CARS 847026, 847044, 847054, 847083, 847103, 847220, 847255, 847263 & 847306 HAVE AUXILIARY SIDE STAKE POCKETS & STORAGE WELLS ~ 12 EACH SIDE, SEE S.A.L. DRWG. No C8-6258.



GEN. ARRGTS., S.A.L. DRWG. Nos C8-6256, C8-6472 & C8-3836.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	(APPROX) 58,200 LBS.
4.	LOAD LIMIT	(APPROX) 118,800 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH 1 EACH 4"x3 1/2"x 1/2" ANGLE AT TOP
8.		& 2 EACH 4"x3 1/2"x 7/16" ANGLES AT BOT.; 30" DEEP AT CENTER & 25"x 1/2" TOP COVER PLATE (SEE NOTE 2)
9.	STRIKER	BUILT-UP WELDED TYPE OR CAST STEEL; (SEE PAGES 61, 64 & 65)
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE OR CAST STEEL, PATT. FS-2787
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21"x 7/16" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL, DROP FORGED
13.	BODY SIDE BEARING BRACE	FABRICATED OR CAST STEEL, PATT. FS-2676
14.	END SILLS	12" @ 20.7# CHANNEL; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	5"x 3 1/2" x 3/8" ANGLE
16.	END BULKHEADS	5/16" PLATE SIDES & INTER. BRACES; 3/16" PLATE TOP COVER;
17.		1/4" FACE PLATE WITH 2 3/4" WOOD FACING, ROLLED ANGLE FRAMING & BRACING (SEE NOTE 1)
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEBS WITH 4"x3 1/2"x 3/8" ANGLES TOP & BOT. (SEE NOTE 2)
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9"x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS & (2) 6"x 2" @ 10.5# CHANS. AT CENTER TIE ANCHORS
21.	FLOOR	2 3/4" THICK, LONG LEAF YELLOW PINE & 1/2" COUNTERSUNK CARRIAGE HEAD BOLTS
22.	BRAKE STEP	METAL TYPE
23.	ROPING STAPLE	NONE
24.	FLOOR STRINGERS	1 EACH SIDE CTR., 4"x 4 1/2" YEL. PINE, BOLS. TO BOLS. & 3/8" PLATE FORMED TEE, BOLS. TO END
25.	DRAFT KEY RETAINER	A.A.R. STR. TEE HEAD TYPE
26.	STAKE POCKETS (13 EACH SIDE)	5/16" PLATE FORMED OR MALL. IRON, PATT. FM-2790 (SEE NOTE 4)
27.	LADING TIE	"SERVEX", I.R.E.CO.'S No 7313-D & "TU-WAY", I.R.E.CO.'S No 3494 (SEE NOTE 3)
28.	BODY BRAKE LEVERS	15"x 21" CYLINDER & 13"x 17" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP. OR MACLEAN-FOGG
30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S No 17-2724
31.	**DRAFT GEAR**	
32.	TYPE	FRICTION TYPE; WESTINGHOUSE, WAUGH-GOULD, MINER, PEERLESS OR EGDEWATER
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6 1/4" x 8" x 21 1/4" SHANK; CAT. No E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. CO. OR SHOP MADE
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	E.H. PIPE & 1 1/4" REINF. FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" PIPE CLAMPS; ILL. RWY. EQUIP. CO.
40.	BRAKE POWER	19.5% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR (1 EACH END)	"POSITIVE" TYPE; ILL. RWY. EQUIP. CO.'S DRWG. No 1395-B
42.	BELL CRANK	A.A.R. TYPE
43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE
44.		
45.	**TRUCKS**	
46.	TYPE	A.A.R. 5 1/2" x 10", 1 5/8" SPRING TRAVEL, HANGER TYPE OR UNIT TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; WINE, STUCKI OR MONOCAST No 20
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING, TYPE "A"
49.	BRAKE SHOES	STD. A.A.R. 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10" FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. No 15; HANGER TYPE OR UNIT TYPE
56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	38" OR 40" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER No 789-B
58.	BRAKE LEVERS	8" x 16" FORGED STEEL

FLATS & PLYWOOD
FREIGHT BOOK No 3

GYPSUM FLAT ~ SCL Nos 847090-847099 ~ CLASS PS-10

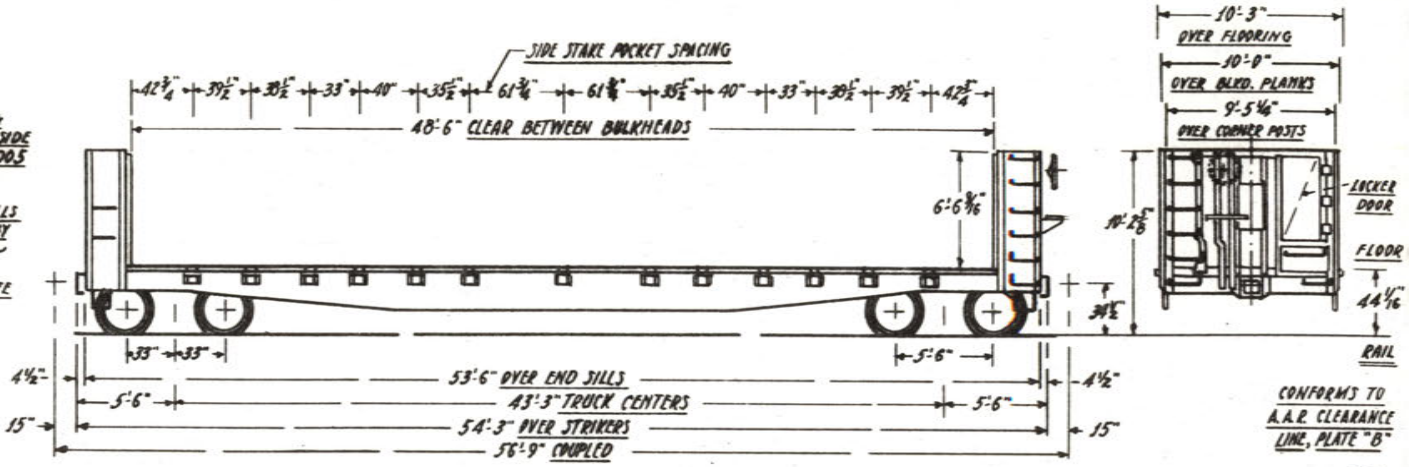
10 CARS REBUILT & BULKHEADS APPLIED BY S.A.L. SHOPS IN 1958 FROM ORIGINAL FLAT CARS, S.A.L. Nos 47000-47099, AS BUILT 1940 BY AMER. CAR & FDY. CO. ~ SEE PAGE 61.

WHEELS :- A.A.R. 33" DIA.

NOTE 1 :- CARS WERE LENGTHENED 3'-6" BY SPLICING & REINFORCING UNDERFRAME AT CENTER OF CAR AS SHOWN ON S.A.L. DRWG. No C7-6261.

NOTE 2 :- CARS HAVE SYSTEM LOCKERS APPLIED IN AL & BR SIDES OF BULKHEADS, OPENING TO OUTSIDE OF ENDS AS SHOWN ON S.A.L. DRWGS C4-6005 & C8-6046.

NOTE 3 :- "SERVEX" TIE ANCHORS (56) PER CAR AT SIDESILLS & (8) ACROSS CENTER SECTION, SUPPORTED BY 7" x 3/8" PLATES (WELDED TEE SECTIONS). ~ "TU-WAY" TIE ANCHORS (4) ACROSS EACH BULKHEAD, SUPPORTED BY 5" x 3" x 3/16" ANGLES. ~ SEE S.A.L. DRWG. No C8-6046. ~ CARS 847090, 847092, 847094, 847096, 847097 HAVE CONTINUOUS LADING STRAP ANCHORS EACH SIDE. ~ SEE S.A.L. DRWG. No C4-7769.



GEN. ARRGT. S.A.L. DRWGS. C8-6046 & C8-3836.

A.A.R. MECH. DESIGNATION FB

1.	GENERAL		30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S No 17-2724
2.	CAPACITY	(55-TONS) 110,000 LBS.	31.	DRAFT GEAR	
3.	LIGHTWEIGHT	57,200 LBS.	32.	TYPE	PEERLESS FRICTION TYPE H-1 OR WESTINGHOUSE FRICTION TYPE NY-11-E
4.	LOAD LIMIT	119,800 LBS.	33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
5.	MAX. LOAD ON RAILS	177,000 LBS.	34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6 1/2" x 8" x 21 1/4" SHANK; CAT. No E-60
6.	BODY		35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; SHOP MADE, A.C.& F. CO.'S DESIGN
7.	CENTERSILL	FISH BELLY TYPE; (2) 3/8" WEB PLATES WITH 1 EACH 4" x 3 1/2" x 3/8" ANGLE AT TOP &	36.	BRAKES	
8.		2 EACH 4" x 3 1/2" x 7/16" ANGLES AT BOTTOM, 30" DEEP AT CENTER & 25" x 1/2" TOP COVER PLATE (SEE NOTE 1)	37.	SCHEDULE	A.A.R. STD. AB-1012
9.	STRIKER	CAST STEEL; S.A.L. PATT. FS-2787 & DRWG. No C4-3850	38.	FITTINGS	E.H. PIPE & 1 1/4" REINF. FLANGED UNIONS
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL; S.A.L. PATT. FS-2788 & DRWG. No C4-3806	39.	TRAINLINE FITTINGS	"WRIGHT" PIPE CLAMPS; I.R.E.CO.
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21" x 7/16" TOP & BOT. COVER PLATES	40.	BRAKE POWER	19.5% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL; DROP FORGED	41.	BRAKE REGULATOR (1 EACH END)	"POSITIVE" TYPE; ILL. RWY. EQUIP. CO.'S DRWG. No 1395-B
13.	BODY SIDE BEARING BRACE	CAST STEEL; S.A.L. PATT. FS-2676 & DRWG. No C2-3160	42.	BELL CRANK	A.A.R. TYPE
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL	43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE
15.	END SILL COVER PLATE	NONE	44.		
16.	END BULKHEADS	5/16" FORMED PLATE SIDES & INTER. BRACES; 3/16" PLATE TOP COVER;	45.	TRUCKS	
17.		1/4" FACE PLATE WITH 2 3/4" WOOD FACING; ROLLED ANGLE FRAMING & BRACING ~ (SEE NOTE 2)	46.	TYPE	5 1/2" x 10", 1 5/8" SPRING TRAVEL, A.A.R. HANGER TYPE
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" PLATE WEBS WITH 4" x 3 1/2" x 3/8" ANGLES TOP & BOT. (SEE NOTE 1)	47.	SIDE BEARINGS	SINGLE ROLLER TYPE; WINE RWY. APPL. CO.'S DRWG. No 2-A-180-B
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9" x 3/8" TOP & BOT. COVER PLATES	48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING TYPE "A"
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS & (2) 6" x 2" @ 10.5# CHANNELS AT CENTER TIE ANCHORS	49.	BRAKE SHOES	STD. A.A.R. 1-A
21.	FLOOR	2 3/4" THICK, LONG LEAF YELLOW PINE & 1/2" COUNTERSUNK CARRIAGE HEAD BOLTS	50.	BRAKE SHOE KEY	"LOCKEY"
22.	BRAKE STEP	METAL TYPE	51.	ROLLER BRG. ADAPTERS	NONE
23.	ROPING STAPLE	NONE	52.	AXLES	5 1/2" x 10" FRICTION TYPE
24.	FLOOR STRINGERS	YELLOW PINE, 1 EACH SIDE CTR., BOLSTER TO BOLSTER & 4" x 3" x 1/4" ZEE, BOLSTER TO END SILL	53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE	54.		
26.	STAKE POCKETS	MALLEABLE IRON, 13 EACH SIDE; PATT. FM-2790, DRWG. No C2-3986	55.	BRAKE BEAMS	A.A.R. No 15, HANGER TYPE
27.	LADING TIE ANCHORS	"SERVEX", I.R.E.CO.'S No 7313-D & "TU-WAY", I.R.E.CO.'S No 3494 (SEE NOTE 3)	56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
28.	BODY BRAKE LEVERS	15" x 21" CYLINDER & 13" x 17" FLOATING; FORGED STEEL	57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER No 789-B
29.	DEFECT CARD HOLDER	MACLEAN-FOGG No DCR-36-2B	58.	BRAKE LEVERS	8" x 16" FORGED STEEL; A.C.& F. CO.'S DRWG. No 1575502

3-20-69 jwh

5-29-69 jwh

FLATS & PLYWOOD

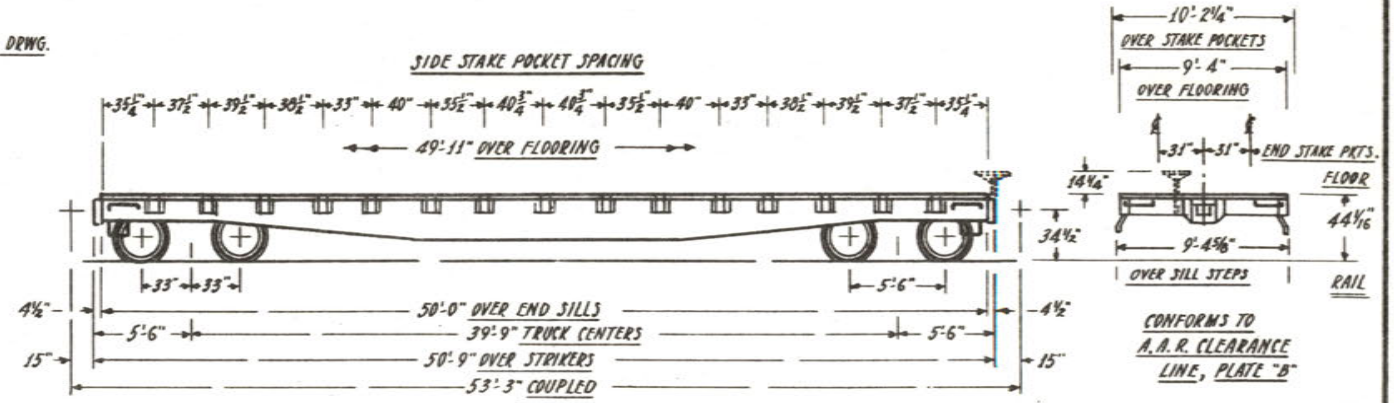
FREIGHT BOOK No 3

FLAT CAR ~ SCL Nos 847100-847199 ~ CLASS PS-10

100 CARS BUILT 1942 BY GREENVILLE STEEL CAR CO., AT GREENVILLE, PA. ~ THEIR ORDER No 00-336 ~ S.A.L. SPEC. 1941-R, S.A.L. CAR Nos 47100-47199.

WHEELS: A.A.R. 33" DIA.

NOTE 1:- 15 EACH SIDE, MALLEABLE IRON, PATT. FM-2790 & DRWG. No C2-3986; 2 EACH END, PATT. FM-2791 & DRWG. No C1-3831.



GEN. ARRGT. GREENVILLE STEEL CAR CO.'S DRWG. No 17280.

A.A.R. MECH. DESIGNATION FM

1.	GENERAL		30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S No 17-2724
2.	CAPACITY	(55-TONS) 110,000 LBS.	31.	DRAFT GEAR	
3.	LIGHTWEIGHT	42,400 LBS.	32.	TYPE	50% PEERLESS FRICTION TYPE H-1 & 50% EDGEWATER CLASS B-32-KA
4.	LOAD LIMIT	134,600 LBS.	33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
5.	MAX. LOAD ON RAILS	177,000 LBS.	34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6¾" x 8" x 21¼" SHANK; CAT. No E-60
6.	BODY		35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. MFG. CO.'S DRWG. 1U-2722-A
7.	CENTERSILL	FISHBELLY TYPE; (2) ⅜" WEB PLATES WITH (1 EACH) 4" x 3½" x ½" ANGLE	36.	BRAKES	
8.		AT TOP & (2 EACH) 4" x 3½" x 7/16" ANGLES AT BOTTOM, 30" DEEP AT CENTER & 25" x ½" TOP COVER PLATE	37.	SCHEDULE	A.A.R. STD. AB-1012
9.	STRIKER	CAST STEEL, S.A.L. PATT. FS-2824; G.S.C. CO.'S DRWG. 17229	38.	FITTINGS	E.H. PIPE & 1¼" REINE FLANGED UNIONS
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	CAST STEEL; S.A.L. PATT. FS-2788 & DRWG. C4-3806	39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & PIPE CLAMPS; I.R.E.CO.
11.	BODY BOLSTERS	¼" STEEL PLATE PRESSED PANS WITH 21" x 7/16" TOP & BOT. COVER PLATES	40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
12.	BODY CENTER PLATE	A.A.R. 11¾" DIA. BOWL, DROP FORGED	41.	BRAKE REGULATOR	MANUAL
13.	BODY SIDE BEARING BRACE	CAST STEEL; S.A.L. PATT. FS-2676 & DRWG. C2-3160	42.	BELL CRANK	NONE
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL	43.	HAND BRAKES	HORIZONTAL WHEEL, DROP STAFF, UNIVERSAL MULTI-POWER
15.	END SILL COVER PLATE	10" x ¼" STEEL PLATE; SIDE TO SIDE	44.		UNIT 1734-1868, UNIVERSAL RWY. DEVICES CO.'S DRWG. No 5473
16.	END BULKHEADS	NONE	45.	TRUCKS	
17.	FLOOR STRINGERS	1 EACH SIDE CENTER, BOLSTER TO BOLSTER 4" x 4½" LONG LEAF YELLOW PINE	46.	TYPE	5½" x 10", 1⅝" SPRING TRAVEL, A.A.R. HANGER TYPE
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATE WITH 4" x 3½" x ⅜" ANGLE TOP & BOTTOM	47.	SIDE BEARINGS	SINGLE ROLLER, MONOCAST TYPE No 20
19.	CROSSBEARERS (2 PER CAR)	¼" PLATE PRESSED PANS WITH 9" x ⅜" TOP & BOT. COVER PLATES	48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING TYPE "A"
20.	CROSSTIES (9 PER CAR)	¼" STEEL PLATE PRESSED PANS	49.	BRAKE SHOES	A.A.R. 1-A
21.	FLOOR	2¾" THICK LONG LEAF YELLOW PINE & ½" COUNTERSUNK CARRIAGE HEAD BOLTS	50.	BRAKE SHOE KEY	"LOCKEY"
22.	STAKE POCKETS	SEE NOTE 1 ABOVE	51.	ROLLER BRG. ADAPTERS	NONE
23.	ROPING STAPLE	NONE	52.	AXLES	A.A.R. 5½" x 10", FRICTION TYPE
24.	DRAFT KEY	STD. 6" x 1½" x 16½" WITH ROUND EDGES	53.	JOURNAL BEARINGS	A.A.R. 5½" x 10", SOLID TYPE
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE	54.		
26.	DRAFT GEAR CARRIER	8" x ⅝" x 20⅝" PLATE WITH (6) ¾" RIVETS	55.	BRAKE BEAMS	A.A.R. No 15 HANGER TYPE
27.	BRAKE BADGE PLATE	MALL. IRON; S.A.L. PATT. FM-2786; B.B.B. CO.'S DRWG. B-1588	56.	SPRINGS	1⅝" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
28.	BODY BRAKE LEVERS	13" x 23" CYLINDER & 11" x 19" FLOATING; FORGED STEEL	57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; SCHAEFER No 789-B
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.'S No 2953	58.	BRAKE LEVERS	8" x 16" FORGED STEEL; G.S.C. CO.'S DRWG. No 17235

3-20-69 j wh

5-23-69

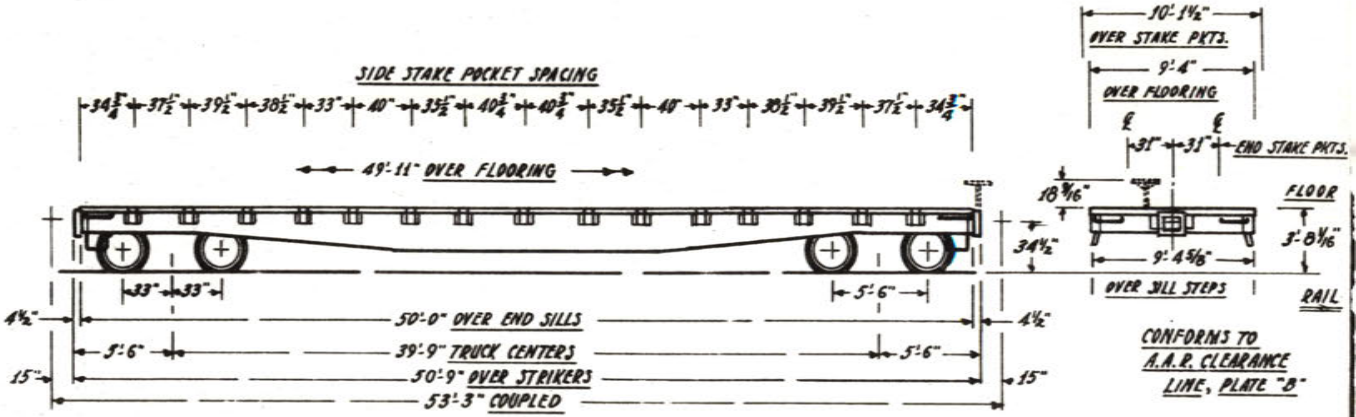
FLATS & PULPWOOD

FREIGHT BOOK No 3

300 CARS BUILT 1945 BY BETHLEHEM STEEL CO., AT JOHNSTOWN, PA. ~ THEIR ORDER No DF-81 ~ S.A.L. SPEC. No 1941-2, S.A.L. CAR Nos 47200-47499.

WHEELS:- A.A.R. 38" DIA.

FLAT CAR ~ SCL Nos 847200-847499 ~ CLASS PS-10



GEN. ARRGT. BETH. STEEL CO.'S DRWG. No C-30094-B.

A.A.R. MECH. DESIGNATION FM

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	41,300 LBS.
4.	LOAD LIMIT	135,700 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY DESIGN; (2) 3/8" WEB PLATES WITH (1 EACH) 4"x3½"x½"
8.		ANGLE AT TOP & (2 EACH) 4"x3½"x7/16" ANGLES AT BOTTOM, 30" DEEP AT CENTER & 25"x½" TOP COVER PLATE
9.	STRIKER	BUILT-UP WELDED TYPE & DROP FORGED DRAFT LUGS; BETH. DRWG. No C-30105-C
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	BUILT-UP WELDED DESIGN; BETH DRWG. No C-30104-A
11.	BODY BOLSTERS	¼" STEEL PLATE PRESSED PANS WITH 21"x 7/16" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	11¾" DIA. BOWL; A.A.R. DROP FORGED
13.	BODY SIDE BEARING BRACE	FABRICATED WITH ½" STEEL PLATES
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	10"x ¼" STEEL PLATE; SIDE TO SIDE
16.	END BULKHEADS	NONE
17.	FLOOR STRINGERS	1 EACH SIDE CENTER, BOLSTER TO BOLSTER; 4"x4½" LONG LEAF YELLOW PINE
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES WITH 4"x3½"x3/8" ANGLES TOP & BOTTOM
19.	CROSSBEARERS (2 PER CAR)	¼" PLATE PRESSED PANS WITH 9"x3/8" TOP & BOTTOM COVER PLATES
20.	CROSSTIES (9 PER CAR)	¼" PLATE PRESSED PANS
21.	FLOOR	2¾" THICK LONG LEAF YELLOW PINE & ½" COUNTERSUNK CARRIAGE HEAD BOLTS
22.	STAKE POCKETS	15 EACH SIDE 5/16" PLATE FORMED & (2) EACH END 3/8" PLATE FORMED
23.	ROPING STAPLE	NONE
24.	DRAFT KEY	STD. 6"x 1½"x 16½" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE
26.	DRAFT GEAR CARRIER	8"x 5/8"x 20 3/8" PLATE WITH (6) ¾" RIVETS
27.	BRAKE BADGE PLATE	CAST IRON; BETH.'S DRWG. No C-30085-A, PATT. FM-2786
28.	BODY BRAKE LEVERS	13"x 23" CYLINDER & 11"x 19" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.; PART No 2953
30.	ANGLE COCK HOLDER	HANNAFORD; RWY. DEVICES CO.'S No 17-2724
31.	**DRAFT GEAR**	
32.	TYPE	100% WESTINGHOUSE WY-11-E; 100% WAUGH-GOULD TYPE 403; 100% MINER CLASS A-22-XB
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
34.	COUPLER	A.A.R. STD., TYPE "E", CAST STEEL, 6¼"x 8"x 21¼" SHANK; CAT. No E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP MFG. CO.'S No 1U-44.89-A
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	1¼" WABCOTITE FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & PIPE CLAMPS; I.R.E.CO.
40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	NONE
43.	HAND BRAKES	HORIZONTAL WHEEL, DROP STAFF, UNIVERSAL
44.		MULTI-POWER UNIT 2105; UNIVERSAL RWY. DEVICES CO.'S DRWG. No 5936-A
45.	**TRUCKS**	
46.	TYPE	5½"x 10" A.A.R. TYPE; 100% UNIT TYPE & 200% HANGER TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S No 656-C
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING TYPE "A"
49.	BRAKE SHOES	A.A.R. STD. REINF. BACK
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5½"x 10" FRICTION TYPE
53.	JOURNAL BEARINGS	5½"x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	200% A.A.R. No 15 HANGER TYPE; 100% UNIT TYPE, UNIT TRUCK CO. BB-126
56.	SPRINGS	1 3/16" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	38" BETWEEN INSIDE HOLES, 3 HOLE TYPE; SCHAEFER No 789-B
58.	BRAKE LEVERS	8"x 16" FORGED STEEL; BETH.'S DRWG. No C-21670-B

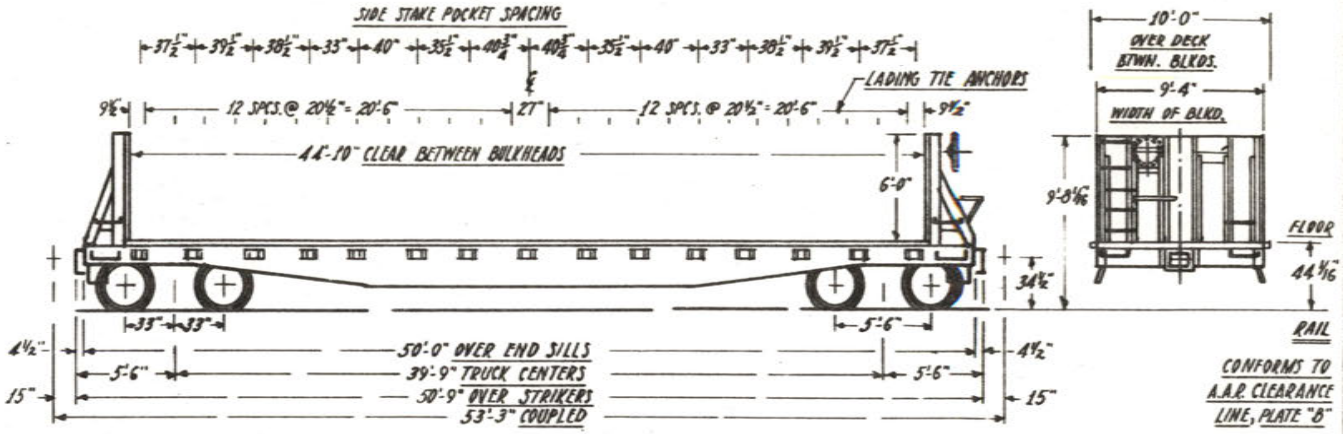
GYPSUM FLAT ~ SCL Nos 847109 & 847497 ~ CLASS PS-10

Nº 847109 BUILT 1942 AS A FLAT CAR BY GREENVILLE STEEL CAR CO., SEE PAGE 64. ~ Nº 847497 BUILT 1945 AS FLAT CARS BY BETH. STEEL CO., SEE PAGE 65.

WHEELS :- A.A.R. 33" DIA.

BULKHEADS APPLIED BY S.A.L. AT THEIR PORTSMOUTH, VA., SHOPS AS FOLLOWS :- Nº 847497, 1950 & Nº 847109 1953.

NOTE 1 :- "TU-WAY" TIE ANCHORS, 26 EACH SIDE IN FLOOR NEAR SIDESILLS, SUPPORTED BY 3/8" PLATES (WELDED TEE SECTION); 8 ACROSS CTR. SECTION IN FLOOR SUPPORTED BY 3/8" x 10 1/2" PLATE (WELDED TEE SECTION) WELDED ON TOP OF CENTER CROSSTIES & CROSSBEARERS; 4 ACROSS EACH BULKHEAD SUPPORTED BY 5" x 3 1/2" x 3/8" ANGLES WELDED TO BULKHEAD CHANNELS ~ REF. DRWG. Nº CB-5912.



GEN. APPRT. G.S.C.CO.'S Nº 17280, BETH. S.CO.'S C-30094-B & S.A.L. CB-5912.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	47,900 LBS.
4.	LOAD LIMIT	129,100 LBS
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH 1 EACH 4" x 3 1/2" x 1/2"
8.		ANGLE AT TOP & 2 EACH 4" x 3 1/2" x 3/8" ANGLES AT BOT., 30" DEEP AT CENTER & 25" x 1/2" TOP COVER PLATE
9.	STRIKER	BUILT-UP WELDED TYPE OR CAST STEEL, S.A.L. PATT. FS-2824 ON Nº 847109
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE OR CAST STEEL, PATT. FS-2788
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21" x 3/8" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL, DROP FORGED
13.	BODY SIDE BEARING BRACE	FABRICATED WITH 1/2" STEEL PLATES OR CAST STEEL, PATT. FS-2676
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	10" x 1/4" STEEL PLATE; SIDE TO SIDE
16.	END BULKHEADS	2 3/4" THICK WOOD FACING BOLTED TO CHANS.; (1) 6" @ 10.5# CHAN., SIDE TO SIDE &
17.		(6) 6" @ 10.5# CHANS., VERTICAL POST & DIAG. BRACES WELDED TO 6" x 4" x 3/8" ANGLE, SIDESILL TO SIDESILL
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES WITH 4" x 3 1/2" x 3/8" ANGLES TOP & BOT.
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS
21.	FLOOR	2 3/4" THICK YELLOW PINE & 1/2" COUNTERSUNK CARRIAGE HEAD BOLTS
22.	BRAKE STEP	METAL TYPE
23.	ROPING STAPLE	NONE
24.	STAKE POCKETS (15 EACH SIDE)	5/16" PLATE FORMED OR MALLEABLE IRON, PATT. FM-2790
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE
26.	LADING TIE ANCHORS	"TU-WAY", ILL. RWY. EQUIP. CO.'S Nº 2087; SEE NOTE 1 ABOVE
27.	BRAKE DROPE PLATE	CAST IRON, PATT. FM-2786
28.	BODY BRAKE LEVERS	13" x 23" CYLINDER & 11" x 19" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.'S PART Nº 2953
30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S Nº 17-2724
31.	**DRAFT GEAR**	
32.	TYPE	WESTINGHOUSE, WAUGH-GOULD OR MINER
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. Nº Y-40
34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6 1/4" x 8" x 21 1/4" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. MFG. CO.
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	1 1/4" WABCOTITE FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & PIPE CLAMPS; I.R.E. CO.
40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	A.A.R. TYPE
43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE
44.		
45.	**TRUCKS**	
46.	TYPE	A.A.R. 5 1/2" x 10", 1 5/8" SPRING TRAVEL, HANGER TYPE OR UNIT TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S Nº 656-C
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING, TYPE "A"
49.	BRAKE SHOES	A.A.R. STD. REINF. BACK
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10", FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10", SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 15; HANGER TYPE OR UNIT TYPE
56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	38" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER Nº 789-B
58.	BRAKE LEVERS	8" x 16", FORGED STEEL

6-25-69

FLATS & PULPWOOD

FREIGHT BOOK Nº 3

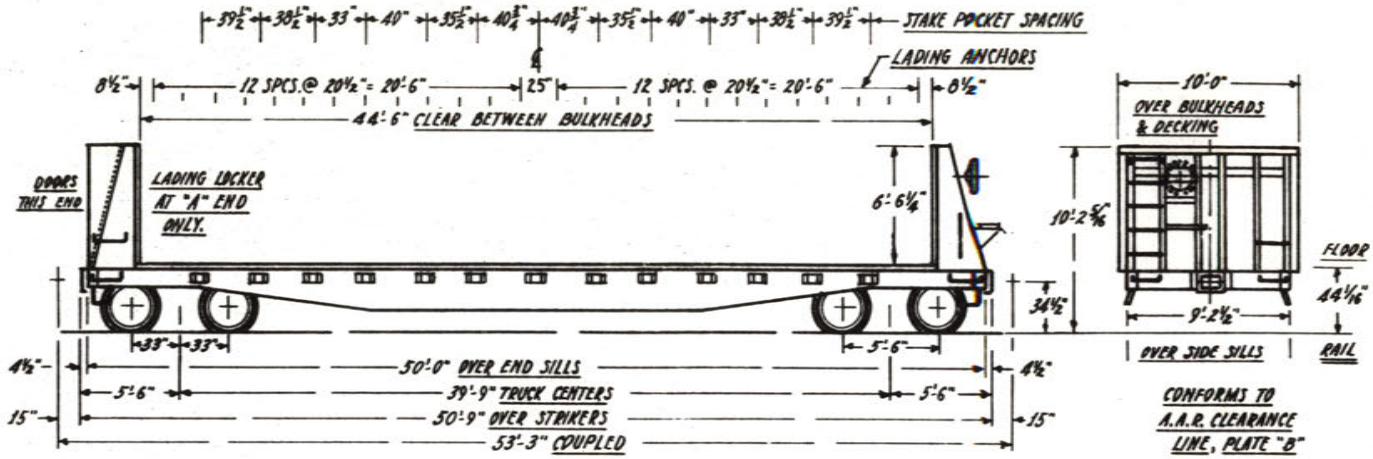
CARS BUILT AS FLATS 1945 BY BETH. STEEL CO. ~ SEE PAGE 65. ~ BULKHEADS WERE APPLIED 1956 TO CAR Nº 47342 BY S.A.L. AT PORTSMOUTH, VA. SHOPS.

GYPSUM FLAT ~ SCL Nºs 847342 ~ CLASS PS-10

WHEELS:- A.A.R. STD. 33" DIA.

NOTE 1:- 52 LADING TIE ANCHORS (26 PER SIDE) PER CAR AT SIDESILLS SUPPORTED BY 7" x 3/8" (WELDED TEE SECTIONS); 8 ACROSS CENTER SECTION IN FLOOR SUPPORTED BY 10 1/2" x 3/8" PLATES (WELDED TEE SECTIONS); 4 ACROSS EACH BULKHEAD SUPPORTED BY 5" x 3" x 5/16" ANGLES ~ SEE DRWG. Nº CB-5141.

NOTE 2:- ONE SYSTEM LOCKER APPLIED TO "A" END OF CAR ONLY. ~ WELDED CONSTRUCTION, ALL STEEL PLATES 1/8" THICK WITH 2" x 2" x 1/4" ANGLE FRAME. ~ SEE DRWG. Nº CB-5151.



GEN. ARRGT. BETH. STEEL CO.'S DRWG. Nº C-30094-B & S.A.L. CB-5141-D

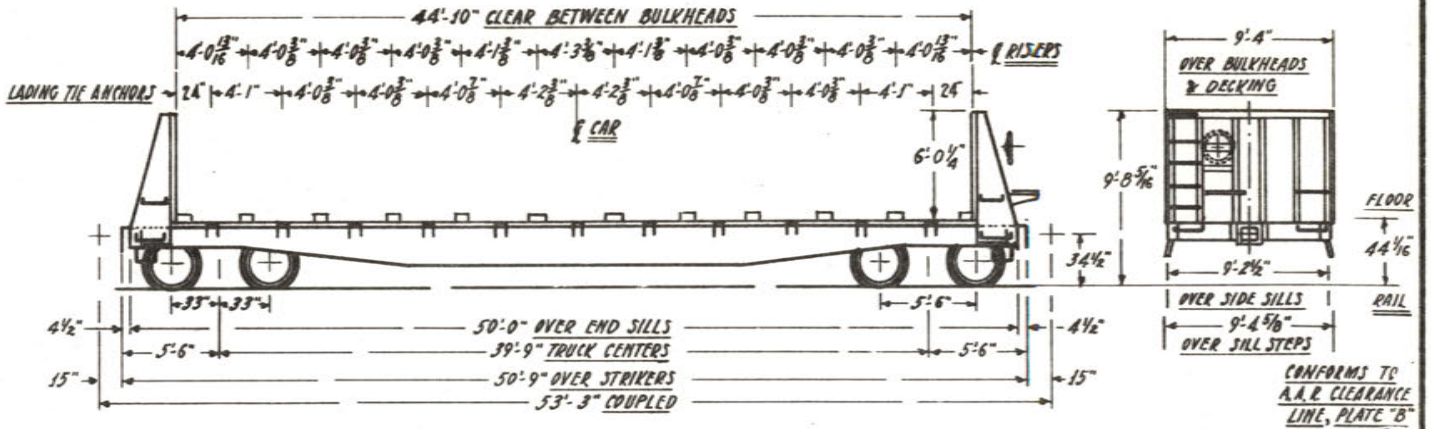
A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	APPROX. 48,300 LBS.
4.	LOAD LIMIT	APPROX. 128,700 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH 1 EACH 4" x 3 1/2" x 1/2"
8.		ANGLE AT TOP & 2 EACH 4" x 3 1/2" x 7/16" ANGLES AT BOT., 30" DEEP AT CENTER & 25" x 1/2" TOP COVER PLATE
9.	STRIKER	BUILT-UP WELDED TYPE & DROP FORGED DRAFT LUGS; BETH. DRWG. Nº C-30105-C
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; BETH. DRWG. Nº C-30104-A
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21" x 7/16" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL, DROP FORGED
13.	BODY SIDE BEARING BRACE	FABRICATED WITH 1/2" STEEL PLATES
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	10" x 1/4" STEEL PLATE; SIDE TO SIDE
16.	END BULKHEADS	1/4" STEEL END PLATE FORMED AT TOP FOR COVER & FACED WITH 2 3/4" WOOD ~
17.		END BRACKETS:- SIDE & CENTER, 1/4" PLATE FLANGED ONE EDGE; INTER., 2 1/2" x 2 1/2" x 1/4" ANGLE & 1/4" BAR (SEE NOTE 2)
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES WITH 4" x 3 1/2" x 3/8" ANGLE TOP & BOTTOM
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9" x 3/8" TOP & BOTTOM COVER PLATES
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS
21.	FLOOR	2 3/4" THICK YELLOW PINE & 1/2" COUNTERSUNK CARRIAGE HEAD BOLTS
22.	BRAKE STEP	METAL TYPE
23.	ROPING STAPLE	NONE
24.	STAKE POCKETS (15 EACH SIDE)	5/16" PLATE FORMED
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE
26.	LADING TIE ANCHORS	"TU-WAY"; ILL. RWY. EQUIP. CO.'S Nº 2087; (SEE NOTE 1)
27.	BRAKE BADGE PLATE	CAST IRON, PATT. FM-2786; BETH.'S DRWG. Nº C-30083-A
28.	BODY BRAKE LEVERS	13" x 23" CYLINDER & 11" x 19" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.'S PART Nº 2953
30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S Nº 17-2724
31.	**DRAFT GEAR**	
32.	TYPE	WESTINGHOUSE, WAUGH-GOULD OR MINER
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. Nº Y-40
34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6 1/4" x 8" x 21 1/4" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. MFG. CO.
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	1 1/4" WABCOTITE FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & PIPE CLAMPS; I.R.E. CO.
40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	A.A.R. TYPE
43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE
44.		
45.	**TRUCKS**	
46.	TYPE	A.A.R. 5 1/2" x 10", 1 5/8" SPRING TRAVEL; HANGER TYPE OR UNIT TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S Nº 656-C
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING, TYPE "A"
49.	BRAKE SHOES	A.A.R. STD. REINF. BACK
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10", FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10", SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 15; HANGER TYPE OR UNIT TYPE
56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	38" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER Nº 789-B
58.	BRAKE LEVERS	8" x 16", FORGED STEEL; BETH.'S DRWG. Nº C-21670-B

CARS BUILT 1945 BY BETH. STEEL CO. AS FLAT CARS (PAGE 65).~ BULKHEADS WERE APPLIED TO ORIGINAL FLAT CARS Nos 47296 IN 1950 BY S.A.L. AS PER DRWG. PRE. SK 8-14-50 & WERE MODERNIZED TO DRWG. C9-6102 IN 1959 BY S.A.L. AT PORTSMOUTH VA. SHOPS.

GYPSUM FLAT ~ SCL Nos 847296 ~ CLASS PS-10

WHEELS:- A.A.R. STD. 33" DIA.



GEN. ARRGT. BETH. STEEL CO.'S DRWG. No C-30094-B & S.A.L. C9-6102-A.

A.A.R. MECH. DESIGNATION FB

1.	GENERAL	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHTWEIGHT	APPROX. 44,900 LBS.
4.	LOAD LIMIT	APPROX. 132,100 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	BODY	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH 1 EACH 4"x3 1/2"x 1/2"
8.		ANGLE AT TOP & 2 EACH 4"x3 1/2"x 7/16" ANGLES AT BOTTOM, 30" DEEP AT CENTER & 25"x 1/2" TOP COVER PLATE
9.	STRIKER	BUILT-UP WELDED TYPE & DROP FORGED DRAFT LUGS, BETH. DRWG. No C-30105-C
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; BETH. DRWG. No C-30104-A
11.	BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 21"x 7/16" TOP & BOT. COVER PLATES
12.	BODY CENTER PLATE	A.A.R. 11 3/4" DIA. BOWL, DROP FORGED
13.	BODY SIDE BEARING BRACE	FABRICATED WITH 1/2" STEEL PLATES
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	10"x 1/4" STEEL PLATE; SIDE TO SIDE
16.	END BULKHEADS	1/4" STEEL END PLATE FORMED AT TOP FOR COVER & FACED WITH 2 3/4" THICK WOOD;
17.		5/16" PLATE FORMED END BRACKETS:- SIDES, FLANGED 2 EDGES; INTER. & CENTER, FLANGED 3 EDGES; DRWG. C9-6102
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES WITH 4"x 3 1/2"x 3/8" ANGLE TOP & BOTTOM
19.	CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9"x 3/8" TOP & BOTTOM COVER PLATES
20.	CROSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS
21.	FLOOR	2 3/4" THICK YELLOW PINE & 1/2" CTSK. CARR. HD. BOLTS WITH (30) 4"x 8" & (2) 4"x 10" WOOD RISERS
22.	BRAKE STEP	METAL TYPE
23.	ROPING STAPLE	NONE
24.	STAKE POCKETS (EACH SIDE)	5/16" PLATE FORMED; THOSE IN WAY OF TIE ANCHORS TO BE REMOVED
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE
26.	LADING TIE ANCHORS (11 EACH SIDE)	1" DIA. STEEL ROD, FORMED "U" SHAPE; DRWG. C9-6102
27.	BRAKE BADGE PLATE	CAST IRON; PATT. FN-2786; BETH. DRWG. C-30083-A
28.	BODY BRAKE LEVERS	13"x 23" CYLINDER & 11"x 19" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP'S PART No 2953
30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S No 17-2724
31.	DRAFT GEAR	
32.	TYPE	WESTINGHOUSE, WAUGH-GOULD OR MINER
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6 1/4"x 8"x 21 1/4" SHANK; CAT. No E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. MFG. CO.
36.	BRAKES	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	1 1/4" WABCOTITE FLANGED UNIONS
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & PIPE CLAMPS; I.R.E. CO.
40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	A.A.R. TYPE
43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE
44.		
45.	TRUCKS	
46.	TYPE	A.A.R. 5 1/2"x 10", 1 5/8" SPRING TRAVEL; HANGER TYPE OR UNIT TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S No 656-C
48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING, TYPE "A"
49.	BRAKE SHOES	A.A.R. STD. REINF. BACK
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2"x 10", FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2"x 10", SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. No 15; HANGER TYPE OR UNIT TYPE
56.	SPRINGS	1 5/8" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
57.	BOTTOM ROD CONN.	38" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER No 789-B
58.	BRAKE LEVERS	8"x 16" FORGED STEEL

2-20-69 j.w.h.

6-10-69 j.w.h.

FLATS & PULPWOOD

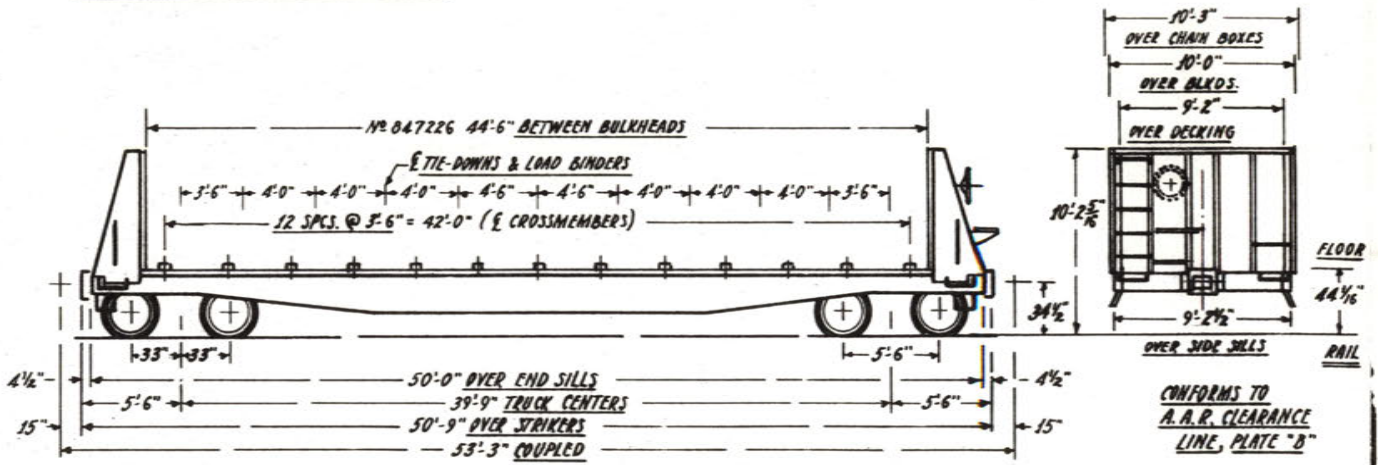
FREIGHT BOOK No. 3

2 CARS EQUIPPED FOR CROSSARM SERVICE IN 1962 & 1965:~ BULKHEADS, CHAIN TIE-DOWNS & LOAD BINDERS APPLIED TO ORIGINAL FLAT CARS, Nos 47226, AS BUILT IN 1945 BY BETH. STEEL CO. ~ (REF. PAGE 65).

WHEELS:- A.A.R. 33" DIA.

BULKHEAD FLAT (CROSSARM CAR) ~ Nos 847226 ~ CLASS PS-10

CHAIN TIE-DOWNS & LOAD BINDERS



GEN. ARRGT. BETH. DRWG. C-30094-B & S.A.L. DRWGS. C4-7532, C8-5141 & C9-6102.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**		30.	ANGLE COCK HOLDER	"HANNAFORD"; RWY. DEVICES CO.'S No 17-2724
2.	CAPACITY	(55-TON) 110,000 LBS.	31.	**DRAFT GEAR**	
3.	LIGHTWEIGHT	(APPROX) 50,200 LBS.	32.	TYPE	WESTINGHOUSE, WAUGH-GOULD OR MINER
4.	LOAD LIMIT	(APPROX.) 126,800 LBS.	33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL; CAT. No Y-40
5.	MAX. LOAD ON RAILS	177,000 LBS.	34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, 6¼" x 8" x 21¼" SHANK; CAT. No E-60
6.	**BODY**		35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. CO.'S No 1U-4489-A
7.	CENTERSILL	FISHBELLY TYPE; (2) ⅜" WEB PLATES WITH 1 EACH 4" x 3½" x ½" ANGLE	36.	**BRAKES**	
8.		AT TOP & 2 EACH 4" x 3½" x 7/16" ANGLES AT BOT., 30" DEEP AT CENTER & 25" x ½" TOP COVER PLATE	37.	SCHEDULE	A.A.R. STD. AB-1012
9.	STRIKER	BUILT-UP WELDED TYPE & DROP FORGED DRAFT LUGS; BETH. DRWG. No C-30105-C	38.	FITTINGS	1¼" WABCOTITE FLANGED UNIONS
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; BETH. DRWG. No C-30104-A	39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & PIPE CLAMPS; ILL. RWY. EQUIP. CO.
11.	BODY BOLSTERS	¼" STEEL PLATE PRESSED PANS WITH 21" x 7/16" TOP & BOT. COVER PLATES	40.	BRAKE POWER	15.2% OF GROSS RAIL LOAD AT 50 # CYLD. PRESSURE
12.	BODY CENTER PLATE	A.A.R. 11¾" DIA. BOWL, DROP FORGED	41.	BRAKE REGULATOR	MANUAL
13.	BODY SIDE BEARING BRACE	FABRICATED WITH ½" STEEL PLATES	42.	BELL CRANK	A.A.R. TYPE
14.	END SILLS	12" @ 20.7 # CHANNEL; SIDE SILL TO CENTER SILL	43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE; UNIVERSAL W-2000
15.	END SILL COVER PLATE	10" x ¼" STEEL PLATE; SIDE TO SIDE	44.		
16.	END BULKHEADS	¼" STEEL END PLATE FACED WITH 2¾" WOOD ~ No 847226:- SIDE & CENTER	45.	**TRUCKS**	
17.		¼" PLATE, INTER. 2½" x 2½" x ¼" ANGLE & ¼" x 2½" BAR ~ No 847327:- SIDE, CENTER & INTER., 5/16" PLATE PRESSED PANS	46.	TYPE	5½" x 10", 1⅝" SPRING TRAVEL, A.A.R. HANGER TYPE OR UNIT TYPE
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES WITH 4" x 3½" x ⅜" ANGLES TOP & BOT.	47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S No 656-C
19.	CROSSBEARERS (2 PER CAR)	¼" PLATE PRESSED PANS WITH 9" x ⅜" TOP & BOT. COVER PLATES	48.	SNUBBER	CARDWELL FRICTION BOLSTER SPRING TYPE "A"
20.	CROSSTIES (9 PER CAR)	¼" PLATE PRESSED PANS	49.	BRAKE SHOES	A.A.R. STD. REINF. BACK
21.	FLOOR	2¾" YELLOW PINE & (13) 4" x 6" x 9'-2" OAK CROSS MEMBERS, SPACED AT 42" CTRS.	50.	BRAKE SHOE KEY	"LOCKEY"
22.	BRAKE STEP	MORTON MFG. CO.	51.	ROLLER BRG. ADAPTERS	NONE
23.	ROPING STAPLE	NONE	52.	AXLES	5½" x 10", FRICTION TYPE
24.	FLOOR STRINGERS	1 EACH SIDE CENTER, BOLSTER TO BOLSTER, 4" x 4½" YELLOW PINE	53.	JOURNAL BEARINGS	5½" x 10", SOLID TYPE
25.	DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE	54.		
26.	CHAIN TIE-DOWNS & LOAD BINDERS	11 ASSEMBLIES PER CAR; DRG. CC-113	55.	BRAKE BEAMS	A.A.R. No 15; HANGER TYPE OR UNIT TYPE
27.	SIDE STAKE POCKETS	12 EACH SIDE, 5/16" PLATE FORMED	56.	SPRINGS	1⅝" TRAVEL; 12 A.A.R. DOUBLE COIL & 4 CARDWELL TYPE "A"
28.	CHAIN BINS (11 EACH SIDE)	3/16" FORMED STEEL PLATE & TIE-DOWN EYE-BOLTS	57.	BOTTOM ROD CONN.	38" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER No 789-B
29.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.'S PART No 2953	58.	BRAKE LEVERS	8" x 16" FORGED STEEL; BETH. DRWG. No C-21670-B

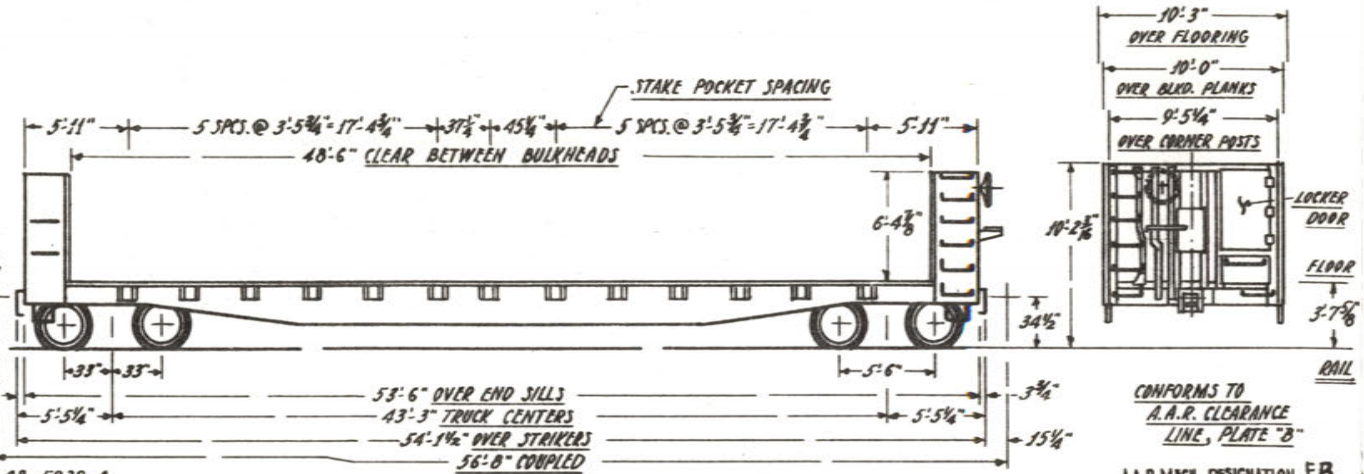
GYPSUM FLAT ~ SCL Nos 847500-847510 ~ CLASS PS-19

12 CARS BUILT 1957 BY GREENVILLE STEEL CAR CO., AT GREENVILLE, PA. ~ THEIR LOT 704, SPEC. Nº 2862 ~ S.A.L. CAR Nos 47500-47511.

WHEELS:- A.A.R. 33" DIA., 1-W WROT STEEL.

NOTE 1:- CARS HAVE SYSTEM LOCKERS APPLIED IN AL & BR SIDES OF BULKHEADS, OPENING TO OUTSIDE OF ENDS AS SHOWN ON S.A.L. DRWGS. C4-6005 & CO-5939.

NOTE 2:- "TU-WAY" TIE ANCHORS, 28 EACH SIDE IN FLOOR NEAR SIDESILLS, SUPPORTED BY 1/2" PLATES (WELDED TEE SECTION); 8 ACROSS CENTER SECTION IN FLOOR SUPPORTED BY 3/8" PLATE WELDED ON TOP OF FLOOR STRINGERS ABOVE CENTER CROSSTIES; 4 ACROSS EACH BULKHEAD SUPPORTED BY 5"x3"x 5/16" ANGLES, SEE S.A.L. DRWG. Nº CO-5939 & G.S.C. CO.'S DRWG. Nº 25964-A. ~ CARS 847501, 847507 & 847508 HAVE CONTINUOUS LADING STRAP ANCHORS EACH SIDE, SEE S.A.L. DRWG. Nº C4-7769.



GEN. ARRGT. G.S.C. CO.'S DRWG. Nº 25962-A & S.A.L. DRWG. CO-5939-A.

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	61,800 LBS.
4.	LOAD LIMIT	115,200 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH 2 EACH 4"x4"x5/16" ANGLES
8.		AT TOP & 2 EACH 4"x4"x3/4" ANGLES AT BOT., 30" DEEP AT CENTER, WITH 27"x3/8" TOP COVER PLATE
9.	STRIKER	CAST STEEL; CONTINENTAL FDY. & MACH. CO.'S DRWG. Nº 46595, PATT. FS-4015
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	CAST STEEL; S.A.L. PATT. Nº FS-3028
11.	BODY BOLSTERS	5/16" STEEL PLATE PRESSED PANS WITH 20"x1/2" TOP & 16"x5/16" BOT. COVER PLATES
12.	BODY CENTER PLATE	11 3/4" DIA. BOWL, DROP FORGED; G.S.C. CO.'S DRWG. Nº 20545
13.	BODY SIDE BEARING BRACE	3/8" STEEL PLATE FORMED CHANNELS
14.	END SILLS	12" @ 20.7# CHANNELS; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	5"x3 1/2"x3/8" ANGLE
16.	END BULKHEADS	5"x3 1/2"x5/16" ANGLE CORNER POST; 5/16" PLATE SIDES; 5/16" R FORMED CENTER BRACES;
17.		3/16" PLATE COVER, 1/4" FACE PLATE WITH 2 3/4" OAK BOARDS, 3 1/2"x3"x5/16" ANGLE FRAME & BRACES (SEE NOTE 1 ABOVE)
18.	SIDE SILLS	FISHBELLY TYPE; 5/16" WEB PLATES, 25 7/8" DEEP AT CENTER WITH 4"x3 1/2"x3/8" TOP & BOT. ANGLES
19.	CROSSBEARERS (3 PER CAR)	1/4" STEEL PLATE PRESSED PANS WITH 9"x3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (8 PER CAR)	1/4" STEEL PLATE PRESSED PANS
21.	FLOOR	2 3/4" THICK x 5 1/8" FACE OAK, PENTA CLOROPHENOL TREATED & 3/8" WATERTIGHT BOLTS
22.	BRAKE STEP	"WELDFORGED"; U.S. GYPSUM CO.'S DRWG. Nº 25882-S
23.	ROPING STAPLE (4 PER CAR)	1 1/4" DIA. ROD LOOP
24.	LADING BAND ANCHORS (72 PER CAR)	"TU-WAY"; I.R.E. CO.'S Nº 2087; SEE NOTE 2 ABOVE
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S Nº 692-A
26.	FLOOR STRINGERS	2 EACH SIDE CENTER SILL, 4" @ 8.2# ZEES; END SILL TO END SILL
27.	STAKE POCKETS (26 PER CAR)	3/8" STEEL PLATE, FORMED; G.S.C. CO.'S DRWG. Nº 25389
28.	BODY BRAKE LEVERS	17 7/8" x 19 1/8" CYLINDER & FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.'S Nº 22-2716
30.	ANGLE COCK HOLDER	5/8" DIA. ROD U-BOLT
31.	**DRAFT GEAR**	
32.	TYPE	NATIONAL FRICTION TYPE M-17-A
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº Y-40
34.	COUPLER	A.A.R. STD. TYPE "E", CAST STEEL, GRADE "B"; 6 1/4" x 8" x 21 1/4" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STD. RWY. EQUIP. CO.'S 1U-13119-B
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	E.H. PIPE COUPLINGS & UNIONS ~ 1 1/4" & 3/8"
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & PIPE CLAMPS
40.	BRAKE POWER	20% OF GROSS RAIL LOAD @ 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL ROTARY TYPE; UNIVERSAL RWY. DEVICES CO.'S DRWG. Nº 6875-A
42.	BELL CRANK	A.A.R. Nº 50
43.	HAND BRAKES	VERTICAL WHEEL, POWER TYPE; AJAX-CONSOLIDATED CO.'S DRWG. 14600-5-C
44.		
45.	**TRUCKS**	
46.	TYPE	A.A.R. 5 1/2" x 10", A-3 RIDE CONTROL, 3 1/16" SPRING TRAVEL, UNIT TYPE
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S Nº 656-C
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	STD. A.A.R. 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	A.A.R. 5 1/2" x 10" FRICTION TYPE
53.	JOURNAL BEARINGS	A.A.R. 5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 18, UNIT TYPE
56.	SPRINGS	3 1/16" TRAVEL; 20 DOUBLE COILS & 8 RIDE CONTROL
57.	BOTTOM ROD CONN.	35" BETWEEN INSIDE HOLES, 2-HOLE TYPE; FORGED STEEL
58.	BRAKE LEVERS	5"x10" & 7"x14" FORGED STEEL; 8° BEND AT SHORT ENDS

FLATS & PLYWOOD
FREIGHT BOOK Nº 3

J W
4-21-69

FLATS & PULPWOOD

FREIGHT BOOK No 3

25 CARS BUILT 1962-63 BY ORTNER FREIGHT CAR CO., AT COVINGTON, KY. ~ S.A.L. SPEC. 1962-4 ~ S.A.L. CAR Nos 48100-48124.

WHEELS:- 33" DIA., A.A.R. B-33, 1-W WROT STEEL.

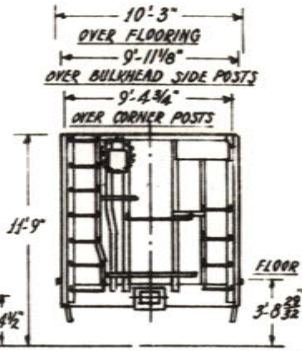
LADING TIE ANCHORS:- 4 IN EACH BULKHEAD, I.R.E. CO.'S "TU-WAY" No 3493.~ 106 FLUSH LADING ANCHORS IN STEEL FLOOR, AZEE No 3576-A.~ 52 LADING TIE ANCHORS ON SIDES, AZEE No 3495-A., S.A.L. DRWG. C4-7433, Nos 848100-848119.~ALL HAVE 14 TIE DOWN CHAINS PER CAR PER SCL DRG CC-113

FOR HELIX WINCH BINDER APPLICATION SEE CC-288

FLAT, BULKHEAD ~ SCL Nos 848100-848124 ~ CLASS PS-22

CHAIN TIE DOWNS & LOAD BINDERS.

CUSHION UNDERFRAME (20" TRAVEL) KEYSTONE SHOCK CONTROL



GEN. ARRGT. ORTNER DRWG. No QC-127-1-G & S.A.L. CB-7142

A.A.R. MECH. DESIGNATION F B

1.	**GENERAL**	
2.	CAPACITY	APPROX. 497 SQ. FT. (70-TONS) 140,000 LBS.
3.	LIGHTWEIGHT	77,700 LBS.
4.	LOAD LIMIT	142,300 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	STATIONARY CENTERSILL	"FISHBELLY" DESIGN, 30" DEEP AT CTR.; ½" WEB, ¾" x 10½" TOP & 1¼" x 6½" BOT. FLANGE
8.	SLIDING CENTERSILL (2)	Z-26 @ 41.2# SECTIONS; WELDED FULL LENGTH
9.	STRIKER	CAST STEEL, GRADE "B"; BUCKEYE STEEL CSTGS. CO.'S PATT. No C-7133
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; ORTNER DESIGN
11.	BODY BOLSTERS	5/16" WEB PLATES, 7/16" x 6'-0" x 9'-2" TOP COVER & 7/16" x 22" BOT. COVER PLATES
12.	BODY CENTER PLATE	H.T. CAST STEEL, 13¾" DIA. BOWL; BUCKEYE STEEL CSTGS. CO.'S PATT. C-1138
13.	BODY SIDE BEARING BRACE	5/16" STEEL PLATE PRESSED "U" SHAPE
14.	END SILLS	15" @ 33.9# CHANNEL; SIDESILL TO STATIONARY CENTER SILL
15.	FLOOR STRINGERS (2 EACH SIDE ℄)	4" I-BEAM @ 9.5#
16.	END BULKHEADS	WELDED CONSTRUCTION; END SHEETS ¼" PLATE; 5/16" SIDES & PARTITIONS,
17.		5/16" COVER & ¼" FLOOR; 2 COMPARTMENTS "A" END & 2¾" BULKHEAD WOOD FACE, ANGLE FRAMING
18.	SIDE SILLS	FISHBELLY DESIGN, 24" WF BEAM @ 84#; O.S. BOT. FLANGE CUT TO 6" & REINF. ¾" x 4½" x 22'-0"
19.	CROSSBEARERS (3 PER CAR)	5/16" WEB PLATE, 7/16" x 7¾" TOP & BOT. COVER PLATES
20.	CROSSTIES (8 PER CAR)	8" WF BEAM @ 20.#
21.	FLOOR	2¾" ARMCO TYPE STEEL SECTIONS WITH OAK WOOD INSERTS
22.	BRAKE STEP:- APEX RWY. EQUIP. CO.	CROSSOVER STEP:- SHOP MADE, ORTNER DESIGN
23.	ROPING STAPLE (4 PER CAR)	STEEL ROD LOOP, ORTNER DESIGN
24.	SIDE STAKE POCKETS (26 PER CAR)	FORMED FROM ⅜" STEEL PLATE
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.
26.	CHAIN STORAGE BOXES (8 PER CAR)	LEFT SIDE OF CAR; S.A.L. DRWG. C3-7110-A
27.	BRAKE BADGE PLATE	ORTNER FRT. CAR CO.'S DRWG. BP-127; S.A.L. DRWG. C3-7261
28.	STAKE POCKET STRAP ANCHORS (26 PER CAR)	¾" DIA. ROD FORMED "U" SHAPE
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	5/8" DIA. U-BOLT; ORTNER DESIGN
31.	**DRAFT GEAR**	
32.	TYPE	WAUGH TYPE 700
33.	COUPLER YOKE	A.A.R. STD. VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. No B-Y40
34.	COUPLER	A.A.R. TYPE "E", CAST STEEL, GRADE "B", 6¼" x 8" x 21¼" SHANK; CAT. No B-E60A-HT
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED; S.R.E.M. CO.'S DRWG. No 8U-17279-A
36.	**BRAKES**	
37.	SCHEDULE	STD. AB-1012 WITH QRR RELEASE VALVE
38.	FITTINGS	"WABCOSEAL"
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & PIPE CLAMPS; I.R.E. CO.
40.	BRAKE POWER	18.3% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	ROTARY UNIT 2109-RB-3100; UNIVERSAL RWY. DEVICES CO.'S DRWG. 7480-A
42.	BELL CRANK	
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN, UNIVERSAL; REBUILT BY S.A.L.
44.		
45.	**TRUCKS**	
46.	TYPE	6" x 11" ROLLER BEARING, RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S DRWG. No 656
48.	SNUBBER	A.S.F. RIDE CONTROL
49.	BRAKE SHOES	A.A.R.-1A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	6" x 11" NARROW PEDESTAL TYPE; NATIONAL CSTGS. CO.
52.	AXLES	A.A.R. 6" x 11" ROLLER BEARING; TYPE D-6-C
53.	JOURNAL BEARINGS	SKF 6" x 11" ROLLER BEARING
54.		
55.	BRAKE BEAMS	A.A.R. No 18 UNIT TYPE; B.B.B. CO.
56.	SPRINGS	2½" TRAVEL; 28 OUTER, 8 INNER & 8 DOUBLE COIL RIDE CONTROL
57.	BOTTOM ROD CONN.	36" LONG; SCHAEFER No 1206
58.	BRAKE LEVERS	7" x 13"; SCHAEFER

~~2-20-69~~
J MA
4-25-69

FLATS & PLYWOOD

FREIGHT BOOK Nº 3

150 CARS BUILT 1964 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL. ~ THEIR SPEC. FM-C-100-67-100-A. ~ S.A.L. SPEC. 1963-B ~ S.A.L. CAR Nºs 848125-848274.

FLAT, BULKHEAD ~ SCL Nºs 848125-848274 ~ CLASS PS-23

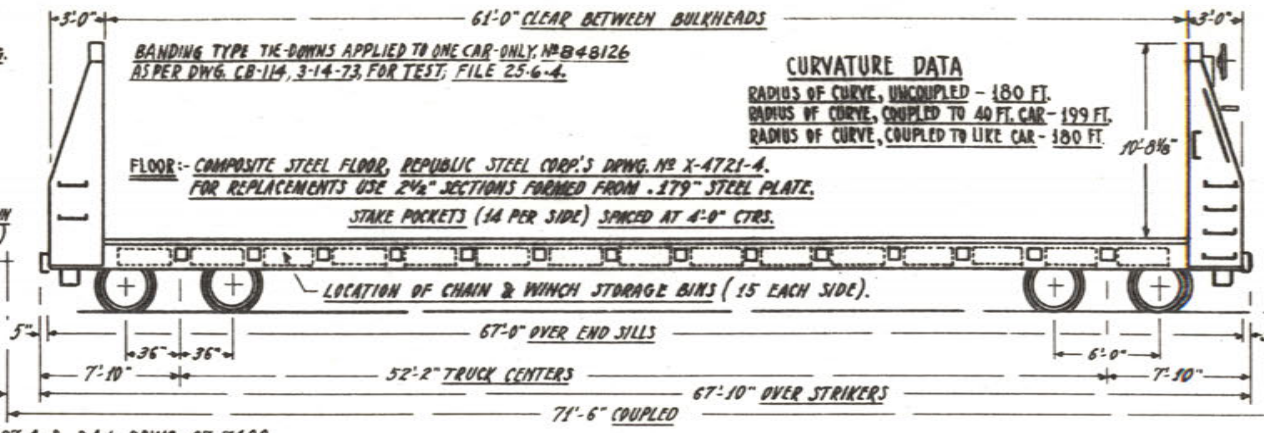
CHAIN TIE-DOWNS & LOAD BINDERS

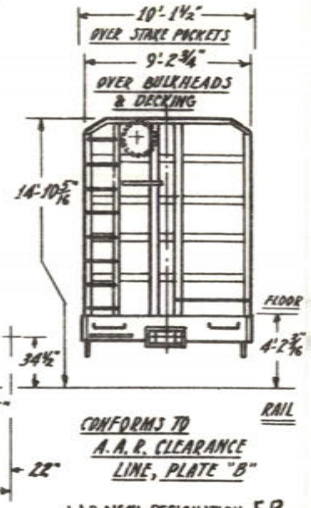
CUSHION UNDERFRAME (10" TRAVEL)

WHEELS:- 36" DIA., A.A.R. B-38, UNTREATED 1-W WROT STEEL.

TIE-DOWN CHAIN ASSEMBLY:-
(RENEWALS) FOR WINCH TYPE TIE-DOWN ARRGT. SEE DRWG. Nº CC-112. 15 ASSY'S. PER CAR.

NOTE:- CARS 848125-848224 ARE IN THE PROCESS OF HAVING (4) ADDITIONAL INNER COIL SPRINGS APPLIED. ~ TOTAL 20 OUTER COILS & 20 INNER COIL, "D-3" SPRINGS.





GEN. ARRGT. THRALL DRWG. F-1827-A & S.A.L. DRWG. C7-7488.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**		
2.	CAPACITY	APPROX. 563 SQ. FT. (90-TONS)	180,000 LBS.
3.	LIGHTWEIGHT		81,000 LBS.
4.	LOAD LIMIT		182,000 LBS.
5.	MAX. LOAD ON RAILS		263,000 LBS.
6.	**BODY**		
7.	CENTERSILL	FISHBELLY DESIGN; (2) 33" WF BEAMS @ 118#	
8.		H.T.L.A. WITH 7/16" × 16" H.T.L.A. TOP & BOTTOM COVER PLATES	
9.	STRIKER	BUILT-UP WELDED TYPE; THRALL DESIGN	
10.	REAR DRAFT GEAR STOP	CAST STEEL, GRADE "B"; FREIGHTMASTER DESIGN, DRWG. Nº 15121	
11.	BODY BOLSTERS	1/2" WEBS, 1/2" × 40" TOP & 1/2" × 21" BOT. COVER PLATES WITH 1/2" × 23" SOLE PLATE	
12.	BODY CENTER PLATE	S.C.L. PATT. Nº F-319-K; 14 3/4" DIA., WING TYPE; STEEL SPECIALTIES CO.	
13.	BODY SIDE BEARING BRACE	3/8" FORMED PLATE, INVERTED "V" SHAPE	
14.	END SILLS	18" @ 42.7# CHANNELS	
15.	FLOOR STRINGERS (6 PER CAR) 3 EACH SIDE ℄	3" I-BEAMS @ 7.5#	
16.	END BULKHEADS	8" WF BEAMS @ 17.#, POST & BRACES; 6" WF BEAMS	
17.		@ 8.5#, CROSS BRACES; 3" × 3" × 3/8" ANGLE, TOP BRACE; 3/8" PLATE FORMED SIDES & 1/4" FACE PLATE	
18.	SIDE SILLS	18" @ 42.7# CHANNEL WITH 3/8" × 15 3/8" VERTICAL REINF. PLATE 6'-10 5/16" LG. EACH END	
19.	CROSSBEARERS (5 PER CAR)	3/8" WEB & 3/8" × 6" TOP & BOTTOM COVER PLATES	
20.	CROSSTIES (10 PER CAR)	12" @ 20.7# CHANNELS, INTER & (2) 4" @ 12.5# ZEES AT WHEELS	
21.	FLOOR	3/16" STEEL PLATE FORMED HAT SECTIONS, 2 3/8" DEEP & PENTA TREATED OAK INSERTS	
22.	BRAKE STEP	U.S. GYPSUM CO.	
23.	ROPING STAPLE	NONE	
24.	DRAFT KEY	FREIGHTMASTER DRWG. Nº 15132 (2-KEY TYPE)	
25.	DRAFT KEY RETAINER	FREIGHTMASTER DRWG. Nº 15133; S.A.L. C2-7525	
26.	DRAFT GEAR CARRIER	FREIGHTMASTER DRWG. Nº 15129; S.A.L. C2-7517	
27.	SIDE STAKE POCKETS (28 PER CAR)	3/8" PLATE FORMED "U", 3/4" DIA. ROD BAND ANCHOR, WELDED; DRWG. C2-7527	
28.	CHAIN STORAGE BINS (15 PER CAR)	3/16" STEEL PLATE FORMED & TIE-DOWN EYE BOLT; RIGHT SIDE ONLY	
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.	
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO.	
31.	**DRAFT GEAR**		
32.	TYPE	FREIGHTMASTER HYDRAULIC, 10" TRAVEL, FOR TYPE "F" SHANK, "E" HEAD COUPLER	
33.	COUPLER YOKE	SELF CONTAINED; NO YOKE REQUIRED	
34.	COUPLER	CAST STEEL, TYPE "E" HEAD WITH TYPE "F" SHANK, 36 1/4" LG.; A.S.E. Nº S-512; CAT. Nº E 68 A NT 3	
35.	COUPLER RELEASE RIGGING	BOTTOM OPER'G.; STD. RWY. EQUIP. CO.'S DRWG. Nº 1U-18453-C	
36.	**BRAKES**		
37.	SCHEDULE: A-1 REDUCT. RELAY VALVE; TYPE "AB" WITH "B3" 8 1/2" WABCOPAC UNITS & QRB RELEASE VALVE		
38.	FITTINGS	GRIPSEAL	
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E. CO. & "REAL" PIPE CLAMPS, RWY. DEV. CO.	
40.	BRAKE POWER	EACH (4) 8 1/2" DIA. CYLDS. 2837 LBS. (DOUBLE ACTING) TOTAL 22696 LBS.	
41.	TRAINLINE HOSE	59 9/32" LONG, AEROQUIP Nº 153110-20-24; HOSE CLAMP & 3/16" CHAIN	
42.	BELL CRANK	A.A.R. 66	
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN, POWER GEARED TYPE D-3290-XL;	
44.		W.H. MINER INC., DRWG. Nº 10004-B	
45	**TRUCKS**		
46.	TYPE	6 1/2" × 12", BARBER S-2-A, 2 1/2" SPRING TRAVEL, NARROW PEDESTAL	
47.	SIDE BEARINGS	DOUBLE ROLLER TYPE; A. STUCKI CO.'S Nº 688-B	
48.	SNUBBER	BARBER S-2-A	
49.	BRAKE SHOES	COMPOSITION, V-141 (COBRA) & 4 SPARES IN 2 CARRIERS	
50.	BRAKE SHOE KEY	LOCKEY	
51.	ROLLER BRG. ADAPTERS	6 1/2" × 12" NARROW PEDESTAL TYPE; NATIONAL CSTGS. CO.	
52.	AXLES	6 1/2" × 12" ROLLER BEARING, D-6-D, GRADE F	
53.	JOURNAL BEARINGS	6 1/2" × 12" TIMKEN ROLLER BEARING	
54.			
55.	BRAKE BEAMS	WABCOPAC; 8 1/2" DIA. CYLINDERS	
56.	SPRINGS	2 1/2" TRAVEL; 28 OUTER, 16 INNER, (D-3) & 8 SIDE COILS; SEE NOTE ABOVE	
57.	BOTTOM ROD CONN.	INCLUDED IN WABCOPAC	
58.	BRAKE LEVERS	FOR HANDBRAKE ONLY; INCLUDED IN WABCOPAC	

~~3-10-67~~
J WA

4-23-69

FLATS & PULPWOOD

FREIGHT BOOK Nº 3

50 CARS BUILT 1967 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL. ~ THEIR SPEC. FM-C-100-61-111, JOB Nº 349 ~ S.A.L. SPEC. 5966-1, CAR Nºs 48275-48324.

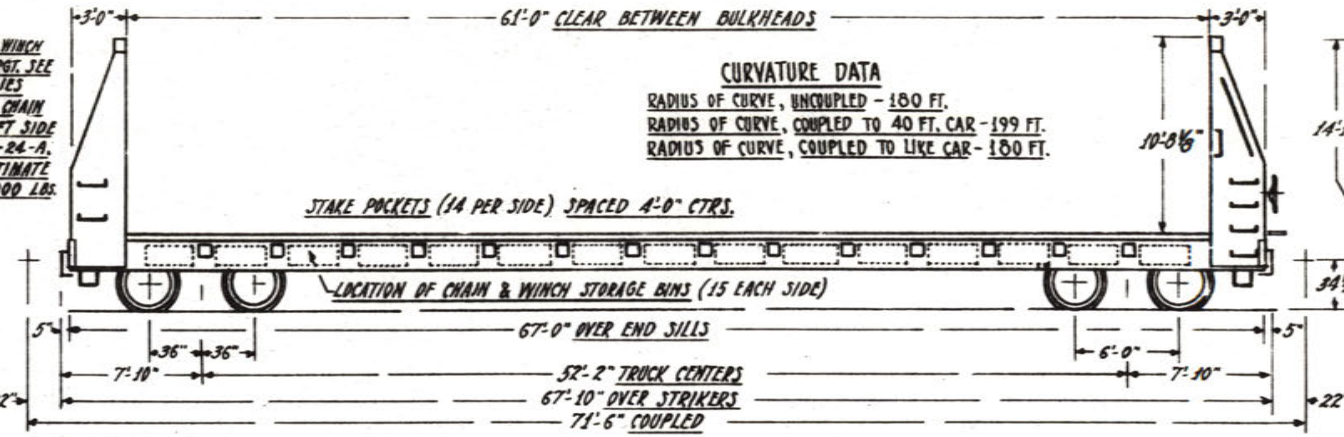
FLAT, BULKHEAD ~ SCL Nºs 848275-848324 ~ CLASS PS-23

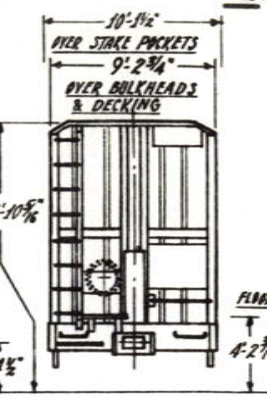
CHAIN TIE-DOWNS & LOAD BINDERS

CUSHION UNDERFRAME (10" TRAVEL)

WHEELS:- 30" DIA., A.A.R. B-30, 1-W WROT STEEL, CLASS "U" UNTREATED.

TIE-DOWN CHAIN ASSEMBLY:- (RENEWALS) FOR WINCH TYPE TIE-DOWN ARRGT. SEE DRWG. CC-112. ~ UNIT ASSEMBLIES APPROX. 37 FT. LONG. ~ WINCH CHAIN STORAGE BINS (15 PER CAR) LEFT SIDE ONLY, THRALL DRWG. 1F-1925-9-24-A. ~ CHAINS 3/8" ALLOY, MIN. ULTIMATE STRENGTH PER ASSEMBLY 21000 LBS. ~ 15 UNIT ASSEMBLIES PER CAR.





GEN. ARRGT. THRALL DRWG. Nº F-1929-B.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**		
2.	CAPACITY	APPROX. 563 SQ.FT. (90-TONS)	180,000 LBS.
3.	LIGHTWEIGHT		82,400 LBS.
4.	LOAD LIMIT		180,600 LBS.
5.	MAX. LOAD ON RAILS		263,000 LBS.
6.	**BODY**		
7.	CENTERSILL	FISHBELLY DESIGN; (2) 33" WF BEAMS @ 118#	
8.		H.T.L.A. WITH 7/8" x 16" H.T.L.A. TOP & BOTTOM COVER PLATES	
9.	STRIKER	BUILT-UP WELDED TYPE; THRALL DESIGN	
10.	REAR DRAFT GEAR STOP	FREIGHTMASTER DESIGN	
11.	BODY BOLSTERS	1/2" WEBS, 1/2" x 40" TOP & 1/2" x 21" BOT. COVER PLATE WITH 1/2" x 25" SOLE PLATE	
12.	BODY CENTER PLATE: S.C.L. PATT. F-319-K; 14 3/4" DIA. BOWL, WING TYPE; UNION SPECIALTIES STEEL CSTGS. CORP.		
13.	BODY SIDE BEARING BRACE	3/8" FORMED PLATE, INVERTED "U" SHAPE	
14.	END SILLS	3/8" PLATE FORMED CHANNEL, 18" DEEP	
15.	FLOOR STRINGERS (6 PER CAR)	3 EACH SIDE ℄ CAR, 3" I-BEAM @ 7.5#	
16.	END BULKHEADS	3/8" FORMED PLATE SIDES; 3/8" PLATE FORMED VERTICAL "Z" POSTS, TIED AT	
17.		TOP WITH 6" @ 8.2# CHANNEL; INTER., HOZ. 6" CHANNEL; BOTTOM, 6" x 6" x 3/8" ANGLE, 1/4" FACE PLATE	
18.	SIDE SILLS	18" @ 42.7# CHANNEL WITH 3/8" x 15 3/8" VERT. REINF. PLATE EACH END, BOLSTER TO END SILL	
19.	CROSSBEARERS (5 PER CAR)	3/8" WEB PLATES & 3/8" x 6" TOP & BOTTOM COVER PLATES	
20.	CROSSTIES (10 PER CAR)	12" @ 20.7# CHANNELS, INTER. & (2) 4" @ 12.5# ZEES AT WHEELS	
21.	FLOOR	"ARMCO" 3/16" STEEL PLATE FORMED, 2 3/8" DEEP & PENTA TREATED OAK INSERTS	
22.	BRAKE STEP	MORTON MFG. CO.	
23.	ROPING STAPLE (4 PER CAR)	1 1/4" DIA. ROD LOOP, THRALL DESIGN	
24.	DRAFT KEY	FREIGHTMASTER (2-KEY TYPE)	
25.	DRAFT KEY RETAINER	FREIGHTMASTER; THRALL DRWG. Nº 2F-1929-4-51	
26.	DRAFT GEAR CARRIER	FREIGHTMASTER; THRALL DRWG. Nº 2F-1929-4-57-A	
27.	SIDE STAKE POCKETS (28 PER CAR)	3/8" PL. FORMED "U" & 3/4" DIA. ROD STRAP ANCHOR, WELD; DRWG. C2-7527	
28.	CHAIN BIN (15 PER CAR)	3/16" FORMED STEEL PLATE & TIE-DOWN EYE BOLT; RIGHT SIDE ONLY	
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.	
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO.	
31.	**DRAFT GEAR**		
32.	TYPE	FREIGHTMASTER HYDRAULIC, 10" TRAVEL, FOR TYPE "F" SHANK, "E" HEAD COUPLER	
33.	COUPLER YOKE	SELF CONTAINED; NO YOKE REQUIRED	
34.	COUPLER	CAST STEEL; TYPE "E" HEAD WITH TYPE "F" SHANK, 36 1/4" LG.; CAT. Nº BE-4942-HT	
35.	COUPLER RELEASE RIGGING	BOT. OPER'G.; STD. RWY. EQUIP. CO.'S DRWG. Nº 1U-18453-C	
36.	**BRAKES**		
37.	SCHEDULE	ABD WITH "B-3" 8 1/2" WABCOPAC UNITS & A-1 REDUCTION VALVE	
38.	FITTINGS	GRIPSEAL	
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO. & "REAL" PIPE CLAMPS, RWY. DEVICES CO.	
40.	BRAKE POWER	EACH (4) 8 1/2" DIA. CYLR. 2837 LBS. (DOUBLE ACTING); TOTAL 22,696 LBS.	
41.	TRAINLINE HOSE	59 9/32" LONG, AEROQUIP Nº 153110-20-24; HOSE CLAMP & 3/16" CHAIN	
42.	BELL CRANK	WABCO Nº 14 (A.A.R.-66)	
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; ELLCON-NATIONAL MODEL 1600	
44.			
45.	**TRUCKS**		
46.	TYPE	6 1/2" x 12" ROLLER BRG., A-3 RIDE CONTROL, 2 1/2" SPRING TRAVEL, NARROW PEDESTAL TYPE	
47.	SIDE BEARINGS	DOUBLE ROLLER TYPE; A. STUCKI CO.'S Nº 688-B	
48.	SNUBBER	A-3 RIDE CONTROL	
49.	BRAKE SHOES	COMPOSITION, V-141 (COBRA)	
50.	BRAKE SHOE KEY	W.A.B. CO.	
51.	ROLLER BRG. ADAPTERS	6 1/2" x 12" NARROW PEDESTAL TYPE; R.H. LITTLE CO.	
52.	AXLES	6 1/2" x 12" ROLLER BEARING, D-11-1965, GRADE "F"	
53.	JOURNAL BEARINGS	6 1/2" x 12" TIMKEN ROLLER BEARING WITH LUBE FITTING	
54.			
55.	BRAKE BEAMS	WABCOPAC, 8 1/2" DIA. CYLINDERS	
56.	SPRINGS	2 1/2" TRAVEL; 28 OUTER COIL, 20 INNER COIL; "D-3" & 8 DOUBLE RIDE CONTROL	
57.	BOTTOM ROD CONN.	INCLUDED IN WABCOPAC	
58.	BRAKE LEVERS	FOR HAND BRAKE ONLY, INCLUDED IN WABCOPAC	

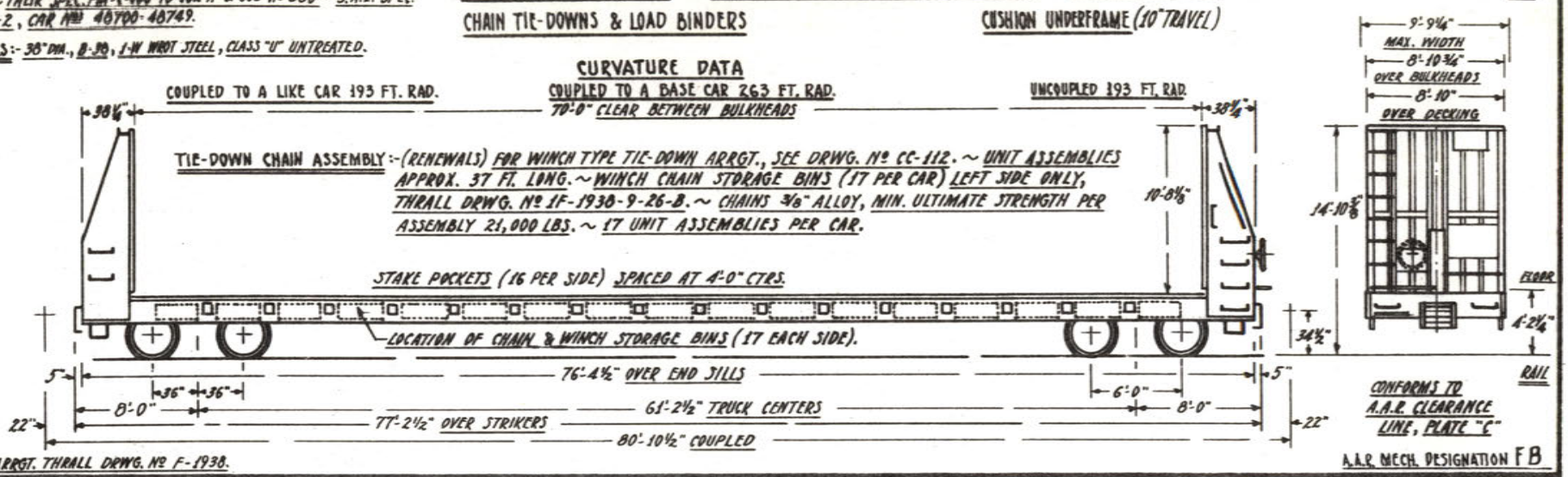
50 CARS BUILT 1967 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL. ~ THEIR SPEC. FM-C-100-70-102-A & JOB Nº 350 ~ S.A.L. SPEC. 1966-2, CAR Nºs 848700-848749.

WHEELS:- 38" DIA., B-30, 1-W WROT STEEL, CLASS "U" UNTREATED.

FLAT, BULKHEAD ~ SCL Nºs 848700-848749 ~ CLASS PS-25

CHAIN TIE-DOWNS & LOAD BINDERS

CUSHION UNDERFRAME (10" TRAVEL)



GEN. ARRGT. THRALL DRWG. Nº F-1938.

1.	**GENERAL**		
2.	CAPACITY	APPROX. 618 SQ.FT. (90-TONS)	172,000 LBS.
3.	LIGHTWEIGHT		90,400 LBS.
4.	LOAD LIMIT		172,600 LBS.
5.	MAX. LOAD ON RAILS		263,000 LBS.
6.	**BODY**		
7.	CENTERSILL	FISHBELLY DESIGN; (2) 33" WF BEAMS @ 118#	
8.		H.T.L.A. WITH ⅞" x 16" H.T.L.A. TOP & BOTTOM COVER PLATES	
9.	STRIKER	BUILT-UP WELDED TYPE; THRALL DESIGN	
10.	REAR DRAFT GEAR STOP	FREIGHTMASTER DESIGN	
11.	BODY BOLSTERS	½" WEBS, ½" x 40" TOP & ½" x 21" BOT. COVER PLATES WITH ½" x 23" SOLE PLATE	
12.	BODY CENTER PLATE:	S.C.L. PATT. F-319-K; 14¾" DIA. BOWL, WING TYPE; UNION SPECIALTIES STEEL CSTGS. CORP.	
13.	BODY SIDE BEARING BRACE	⅜" FORMED PLATE, INVERTED "U" SHAPE	
14.	END SILLS	⅜" PLATE FORMED CHANNEL, 18" DEEP	
15.	FLOOR STRINGERS	3" I-BEAM @ 7.5#, EACH SIDE ℄; (3) BOLSTER TO BOLSTER & (2) BOLSTER TO ENDSILL	
16.	END BULKHEADS	⅜" FORMED PLATE SIDES; (2) ⅜" FORMED ZEE POST; (4) 6" @ 8.2# CHAN. POSTS INTER.;	
17.		TOP 6" @ 8.2# CHAN.; INTER. CROSS BRACE 6" @ 8.5# I-BEAM; ¼" FACE PLATE & 2 3/16" PENTA TREATED FIR	
18.	SIDE SILLS	18" @ 42.7# CHAN. WITH ⅜" x 15⅜" x 6'-11" VERT. REINF. PLATE AT EACH END; BOLSTER TO ENDSILL	
19.	CROSSBEARERS (6 PER CAR)	⅜" WEB PLATES & ⅜" x 6" TOP & BOT. COVER PLATES	
20.	CROSSTIES (12 PER CAR)	12" @ 20.7# CHANNELS, INTER. & (2) 4" @ 12.5# ZEES AT WHEELS	
21.	FLOOR	"ARMCO" COMPOSITE, 3/16" STEEL PLATE FORMED 2⅜" DEEP & PENTA TREATED FIR INSERTS	
22.	BRAKE STEP	MORTON MFG. CO.	
23.	ROPING STAPLE (4 PER CAR)	1¼" DIA. ROD LOOP; THRALL DESIGN	
24.	DRAFT KEY	FREIGHTMASTER ~ (2 KEY TYPE)	
25.	DRAFT KEY RETAINER	FREIGHTMASTER; THRALL DRWG. Nº 2F-1938-4-51	
26.	DRAFT GEAR CARRIER	FREIGHTMASTER; THRALL DRWG. Nº 2F-1938-4-57	
27.	STAKE POCKETS (32 PER CAR)	⅜" PLATE FORMED "U" & ¾" DIA. ROD STRAP ANCHOR, WELDED; DRWG. C2-7527	
28.	CHAIN BIN (17 PER CAR)	3/16" FORMED PLATE & TIE-DOWN EYE BOLT; RIGHT SIDE ONLY; DRWG. Nº 1F-1938-9-24	
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.	
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO.	
31.	**DRAFT GEAR**		
32.	TYPE	FREIGHTMASTER HYDRAULIC, 10" TRAVEL, FOR TYPE "F" SHANK, "E" HEAD COUPLER	
33.	COUPLER YOKE	SELF CONTAINED ~ NO YOKE REQUIRED	
34.	COUPLER	CAST STEEL, TYPE "E" HEAD WITH TYPE "F" SHANK 36¼" LONG; CAT. Nº B-E4942-HT	
35.	COUPLER RELEASE RIGGING	BOTTOM OPER'G.; STD. RWY. EQUIP. CO.'S DRWG. Nº 1U-18453-C	
36.	**BRAKES**		
37.	SCHEDULE	ABD WITH "B-3" 8½" WABCOPAC UNITS & A-1 REDUCTION VALVE	
38.	FITTINGS	"GRIPSEAL"	
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO. & "REAL" PIPE CLAMPS, RWY. DEVICES CO.	
40.	BRAKE POWER	EACH (4) 8½" DIA. CYLDS. 2837 LBS. (DOUBLE ACTING), TOTAL 22696 LBS.	
41.	TRAINLINE HOSE (2)	59 9/32" LG., AEROQUIP Nº 153110-20-24; HOSE CLAMP T.C.M. CO.'S Nº 656 & 2/0 CHAIN	
42.	BELL CRANK	WABCO Nº 14 ~ (AAR-66)	
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; ELLON-NATIONAL MODEL 1600	
44.			
45.	**TRUCKS**		
46.	TYPE	6½" x 12" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL	
47.	SIDE BEARINGS	DOUBLE ROLLER TYPE; A. STUCKI CO.'S Nº 688-B	
48.	SNUBBER	A-3 RIDE CONTROL	
49.	BRAKE SHOES	COMPOSITION, V-141 (COBRA)	
50.	BRAKE SHOE KEY	W.A.B. CO.	
51.	ROLLER BRG. ADAPTERS	6½" x 12" NARROW PEDESTAL TYPE; R.H. LITTLE CO.	
52.	AXLES	6½" x 12" ROLLER BEARING, D-11-1965, GRADE "F"	
53.	JOURNAL BEARINGS	6½" x 12" TIMKEN ROLLER BEARING WITH LUBE FITTINGS	
54.			
55.	BRAKE BEAMS	WABCOPAC; 8½" DIA. CYLINDERS	
56.	SPRINGS	2½" TRAVEL; 28 OUTER COIL, 20 INNER COIL "D3" & 8 DOUBLE RIDE CONTROL	
57.	BOTTOM ROD CONN.	INCLUDED IN WABCOPAC	
58.	BRAKE LEVERS	FOR HAND BRAKE ONLY, INCLUDED IN WABCOPAC	

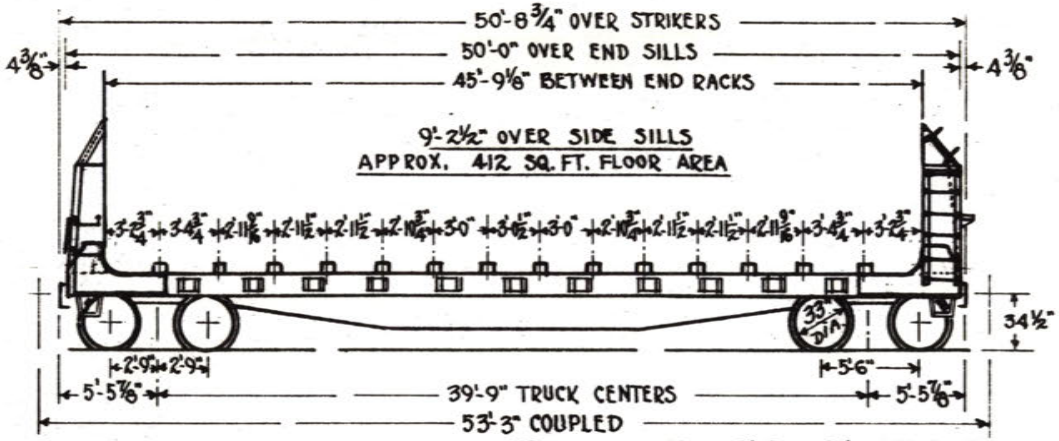
CARS BUILT NEW 1956 AT WAYCROSS.
40 CARS GIVEN HEAVY REPAIRS AT WAYCROSS (1974 & 1975); FILE Nº 21.98

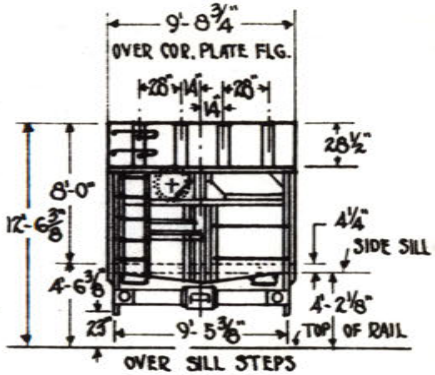
1-26-60 j.wh

PACKAGED LUMBER CARS ~ CLASS W-4

SCL Nos 410800-410869

WHEELS:- MULTIPLE WEAR & 1 W., A.A.R. CLASS C-33.





REIGHT DOK Nº 3

NOTE:- SAME CAR BODY & BODY CONSTRUCTION AS SERIES 672000-672699 & 672700-673199.

SEE DRWG. Nos Q-651, Q-504 & WCE-13 FOR LUMBER SERVICE MODIFICATIONS.
SEE DRWG. WK-120 FOR BLK. REINF.

A.A.R. CLASS FB

1.	**GENERAL**		21.	COUPLER	AAR. BE-60B-HT
2.	CAPACITY	(55-TONS) 110,000 LBS.	22.	UNCOUPLING DEVICE	BOTTOM OPERATED, PULLMAN DESIGN & MFG.
3.	LIGHT WEIGHT	(SAMPLE CAR Nº 410816) 52,800 LBS.	23.	**BRAKES**	
4.	LOAD LIMIT	124,200 LBS.	24.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012
5.	MAX. LOAD ON RAILS	177,000 LBS.	25.	BRAKE POWER	31,600 LBS. = 55.1% LT. WT. @ 50 LBS. CYLD. PRESSURE
6.	**BODY**		26.	BRAKE ADJUSTER	MULTI-HOLE
7.	UNDERFRAME	BUILT-UP FISH-BELLY DESIGN WITH 3/8" WEB PLATES	27.	HAND BRAKES	UNIVERSAL 7400 (NON SPIN)
8.	ENDS	FABRICATED STEEL & 3/16" SOLID PLATE	28.	**TRUCKS**	
9.	SUPERSTRUCTURE	(EXCEPT ENDS) NONE	29.	TYPE	"A.S.F." A-3 RIDE CONTROL, 2 1/2" SPRING TRAVEL; A.C.I. CLASS T-9-M
10.	SIDE & END SILLS	15" STEEL CHANNELS @ 33.9 LBS.	30.	SIDE BEARINGS	STUCKI
11.	SIDE STAKES	NONE ~ EQUIPPED WITH STAKE POCKETS	31.	TRUCK LEVERS	SCHAEFER
12.	FLOOR	4" WOOD FILLERS IN 1/4" R. FORMED CHANNELS; TRANVERSE	32.	SPRINGS	D-3; 10 OUTER COILS; 6 INNER COILS; 8 RIDE CONTROL
13.	LOAD BINDERS	CANTON Nº 10-A, HELIX WINCH BINDER; DRWG. Nº CC-112	33.	SNUBBER	"A.S.F." A-3 RIDE CONTROL
14.	LOAD TIE CHAINS	12 PER CAR 34'-0" LG.; 3/8" ALLOY	34.	AXLES	5 1/2" × 10" ROLLER BEARING FREIGHT AXLES
15.	CHAIN ANCHORS	3/4" EYE BOLT	35.	BRAKE BEAMS	AAR-18 UNIT
16.	CHAIN CONTAINERS	NONE	36.	JOURNAL BEARINGS	ROLLER BEARINGS
17.	BRAKE STEP	APEX TRI-LOK METAL BRAKE STEP, TYPE A	37.	**MISCELLANEOUS**	
18.	**DRAFT GEAR**		38.	BODY CENTER PLATE	PATT. NO. F-319-N
19.	TYPE	MARK-40	39.	DEFECT CARD HOLDER	MOTOR WHEEL
20.	ATTACHMENTS	AAR Y40AHT YOKE	40.		

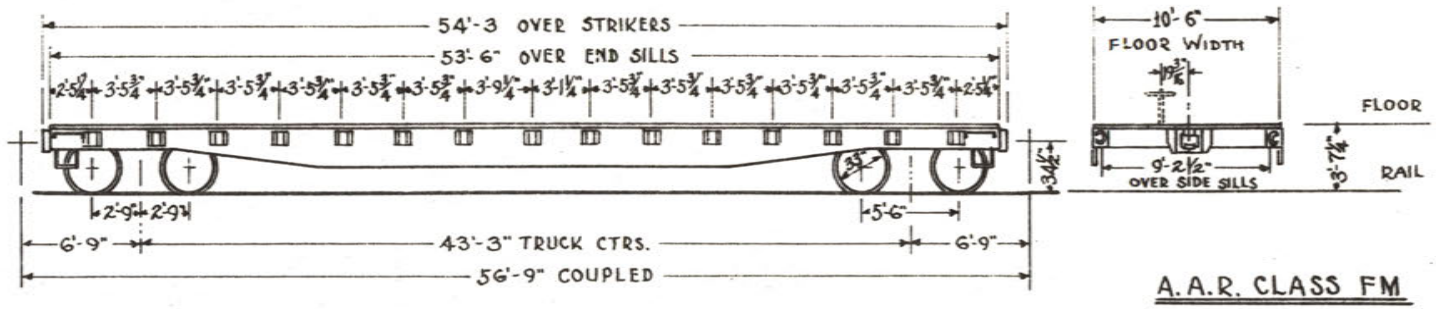
BUILT 1943 BY GREENVILLE STL. CAR CO.
LOT O.O. 364

FLAT CARS ~ SCL Nos 677000-677171 ~ CLASS P-13

W. H.
3-16-47

REIGHT
Nº 3

2⅜" THICK T. & G. YELLOW PINE FLOOR.



A.A.R. CLASS FM

1.	**GENERAL**	
2.	CAPACITY	AREA 544 SQ. FT. (55-TONS) 110,000 LBS.
3.	LIGHT WEIGHT	50,300 LBS.
4.	LOAD LIMIT	118,700 LBS.
5.	MAX. LOAD ON RAILS	169,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL
8.	SUPERSTRUCTURE	NONE
9.	SHEATHING	NONE
10.	ENDS	FABRICATED STEEL END SILL
11.	CARLINES	NONE
12.	ROOF	NONE
13.	RUNNING BOARDS	NONE
14.	DOORS	NONE
15.	DOOR FIXTURES	NONE
16.	DOOR OPENING, CLEAR	NONE
17.	**DRAFT GEAR**	
18.	TYPE	CARDWELL-WESTINGHOUSE TYPE NZ-11-E
19.	DRAFT ATTACHMENTS	CAST STEEL YOKE
20.	COUPLER	6¼" x 8" RIGID SHANK, A.A.R., TYPE "E"
21.	COUPLER CENTERING DEVICE	NONE
22.	UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
23.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE "AB"
25.	BRAKE POWER	30,180 LBS. = 60% LT. WT. @ 50 LBS. BRAKE CYLINDER PRESSURE
26.	TYPE BRAKES	INSIDE
27.	HAND BRAKES	"UNIVERSAL" ~ DROP STAFF TYPE
28.	**TRUCKS**	
29.	TYPE	"UNIT", A.C.L. CLASS T-9-D
30.	SIDE BEARINGS	ROLLER TYPE
31.	DEAD LEVER FULCRUM	FORGED STEEL
32.	LATERAL MOTION DEVICE	NONE
33.	SNUBBER	NONE
34.	AXLES	A.A.R., 5½" x 10" JOURNALS
35.	BRAKE BEAMS	UNIT
36.	BRAKE BEAM AUX. SUPPORT	UNIT
37.	**MISCELLANEOUS**	
38.		
39.		
40.		

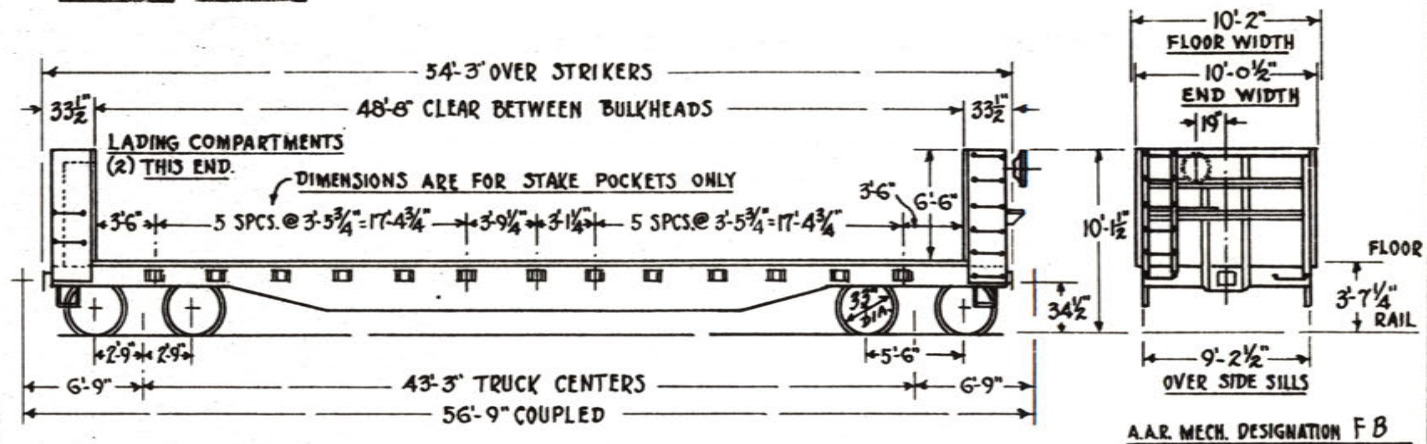
3-13-59 jwh

FLATS BUILT 1943 BY GREENVILLE STL. CAR CO.~ BULKHEADS ADDED 1959 FOR GYPSUM SERVICE. SEE FILE 21.98.

FLAT, BULKHEAD ~ CLASS P-13

SCL Nos 677005, 677041 677048, 677099, 677106, 677107, 677146, 677164,

No. 677099 EQUIPPED FOR HANDLING POLES (KOPPERS CO.)



FOR GEN'L. ARRG'T. SEE DRWG. No S-913.
FOR END ARRG'T. SEE DRWG. No S-912.

1. **GENERAL**		
2. CAPACITY	AREA 495 SQ.FT. (55-TONS)	110,000 LBS.
3. LIGHT WEIGHT		57,700 LBS.
4. LOAD LIMIT		111,300 LBS.
5. MAX. LOAD ON RAILS		169,000 LBS.
6. **BODY**		
7. UNDERFRAME		FABRICATED STEEL
8. FLOOR STRINGERS		STEEL, 4" ZEES @ 8.2 #
9. FLOORING (DECKING)		OAK OR GUM, 2⅜" THICK
10. OUTSIDE LADING ANCHORS (FLOOR)		NONE
11. INSIDE LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 60	
12. INSIDE LADING ANCHORS (BOLSTER)	"WINE" UNIVERSAL; TOTAL 4	
13. END BULKHEADS		FABRICATED STEEL
14. END BULKHEAD LINING		YELLOW PINE, 1⅞" THICK
15. END BULKHEAD LADING ANCHORS	"WINE" SELF-ALIGNING TYPE; TOTAL 8	
16. END BULKHEAD COMPARTMENTS (LADING)	TWO AT "A" END; TOTAL 60 CU. FT.	
17. LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE, TOTAL 26	
18. **DRAFT GEAR**		
19. TYPE		NZ-11-E, MF400 OR WAUGH 700
20. DRAFT ATTACHMENTS		CAST STEEL YOKE
21. COUPLER		6¼" x 8" RIGID SHANK, A.A.R. TYPE "E"
22. UNCOUPLING DEVICE		"IMPERIAL" ROTARY, BOTTOM OPERATED
23. **BRAKES**		
24. BRAKE SCHEDULE		WESTINGHOUSE "AB"
25. BRAKE POWER	34,620 LBS. = 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE	
26. BRAKE ADJUSTER (SLACK)		NONE
27. HAND BRAKES		GEARED POWER TYPE
28. **TRUCKS**		
29. TYPE		"UNIT", A.C.L. CLASS T-9-D
30. TRUCK SPRINGS		SIX DOUBLE COIL (CLASS D-2) PER TRUCK
31. SNUBBER		SPRING COIL TYPE; 2 PER TRUCK
32. SIDE BEARING		"MONOCAST"; ROLLER TYPE
33. AXLES		A.A.R. 5½" x 10" JOURNALS
34. BRAKE BEAMS		UNIT
35. JOURNAL BEARINGS		(BRASS) SOLID TYPE
36. JOURNAL BEARING LUBRICANT		JOURNAL OIL
37. TRUCK LEVERS		FORGED STEEL
38. **MISCELLANEOUS**		
39. DEFECT CARD HOLDER		
40.		

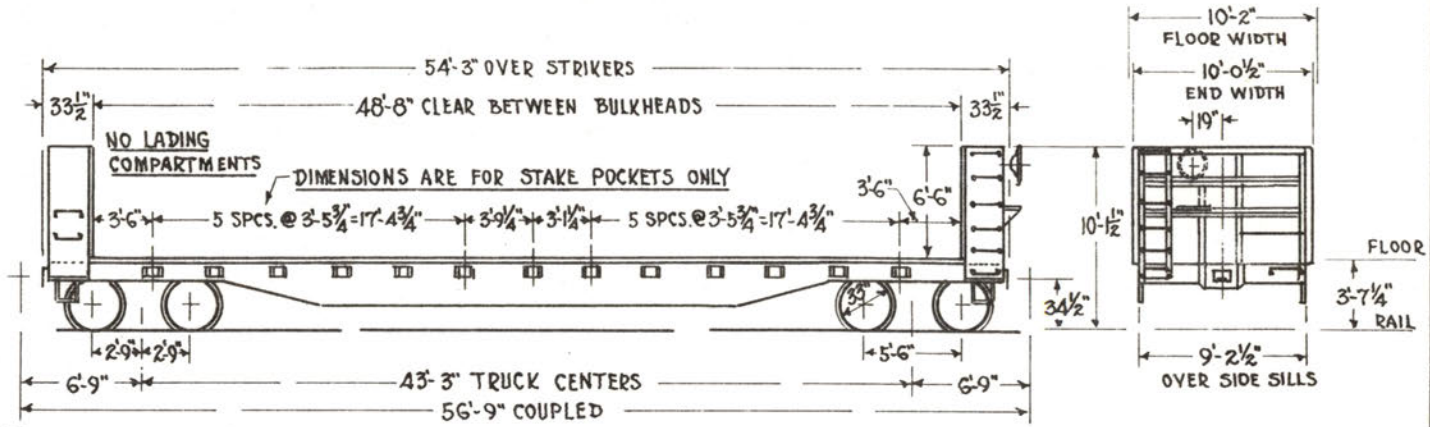
FREIGHT BOOK No 3

FLATS BUILT 1943 BY GREENVILLE STL. CAR CO.~BULKHEADS ADDED 1958 FOR GYPSUM SERVICE. SEE FILE 21.98.

FLAT, BULKHEAD ~ ~ CLASS P-13

SCL Nos 677013 & 677096

CARS ASSIGNED TO SOUTHERN JOHNS-MANVILLE CO., JARRETT, VA.



FOR GEN'L. ARRG'T. SEE DRWG. No S-796.
FOR FLOOR STRINGER ARRG'T. SEE Q-525.

SEE DRWG. No S-796 FOR LADING ANCHOR LOCATIONS ON FLOOR & BULKHEADS.

A.A.R. MECH. DESIGNATION F B

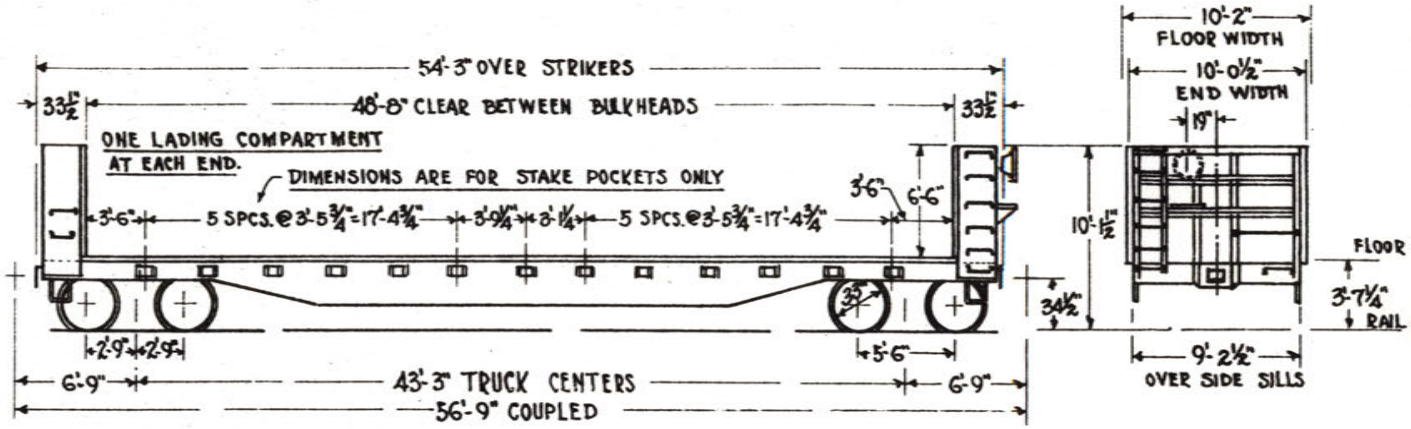
1.	**GENERAL**		21. COUPLER	6¼" x 8" RIGID SHANK, A.A.R., TYPE "E"
2.	CAPACITY	(55-TONS) 110,000 LBS.	22. UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
3.	LIGHT WEIGHT	57,600 LBS.	23. **BRAKES**	
4.	LOAD LIMIT	111,400 LBS.	24. BRAKE SCHEDULE	WESTINGHOUSE "AB"
5.	MAX. LOAD ON RAILS	169,000 LBS.	25. BRAKE POWER	34,560 LBS.- 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
6.	**BODY**		26. BRAKE ADJUSTER (SLACK)	NONE
7.	UNDERFRAME	FABRICATED STEEL	27. HAND BRAKES	GEARED POWER TYPE
8.	FLOOR STRINGERS (DRWG. No Q-525)	4" ZEES @ 8.2# & 3" ZEES @ 6.7#	28. **TRUCKS**	
9.	FLOORING (DECKING)	YELLOW PINE, 2⅜" THICK	29. TYPE	"UNIT", A.C.L. CLASS T-9-D
10.	OUTSIDE LADING ANCHORS (FLOOR)	NONE	30. TRUCK SPRINGS	SIX DOUBLE COIL (CLASS D-2) PER TRUCK
11.	INSIDE LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D ; TOTAL 64	31. SNUBBER	SPRING COIL TYPE ; 2 PER TRUCK
12.	INSIDE LADING ANCHORS (BOLSTER)	INCLUDED WITH ABOVE	32. SIDE BEARING	"MONOCAST"; ROLLER TYPE
13.	END BULKHEADS	FABRICATED STEEL	33. AXLES	A.A.R., 5½" x 10" JOURNALS
14.	END BULKHEAD LINING	YELLOW PINE, 1⅞" THICK	34. BRAKE BEAMS	UNIT
15.	END BULKHEAD LADING ANCHORS	"WINE" SELF-ALIGNING TYPE; TOTAL 8	35. JOURNAL BEARINGS	(BRASS) SOLID TYPE
16.	END BULKHEAD COMPARTMENTS (LADING)	NONE	36. JOURNAL BEARING LUBRICANT	JOURNAL OIL
17.	LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE; TOTAL 26	37. TRUCK LEVERS	FORGED STEEL
18.	**DRAFT GEAR**		38. **MISCELLANEOUS**	
19.	TYPE	CARDWELL-WESTINGHOUSE TYPE NZ-11-E	39. DEFECT CARD HOLDER	
20.	DRAFT ATTACHMENTS	CAST STEEL YOKE	40.	

9-17-58 JWH

FLATS BUILT 1943 BY GREENVILLE STL. CAR CO.~ BULKHEADS ADDED 1957 FOR GYPSUM SERVICE. SEE FILE 21.98.

FLAT, BULKHEAD ~ ~ CLASS P-13

SCL Nos 677101, 677150,



FOR GEN'L. ARR'GT. SEE DRWG. Nº S-796.

SEE DRWG. Nº S-796 FOR LADING ANCHOR LOCATIONS ON FLOOR & BULKHEADS.

AAR MECH. DESIGNATION F B

1. **GENERAL**			21. COUPLER	6¼" x 8" RIGID SHANK, A.A.R., TYPE "E"
2. CAPACITY	(55-TONS)	110,000 LBS.	22. UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
3. LIGHT WEIGHT	(AVG.)	59,023 LBS.	23. **BRAKES**	
4. LOAD LIMIT		109,977 LBS.	24. BRAKE SCHEDULE	WESTINGHOUSE "AB"
5. MAX. LOAD ON RAILS		169,000 LBS.	25. BRAKE POWER	35,414 LBS. = 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
6. **BODY**			26. BRAKE ADJUSTER (SLACK)	NONE
7. UNDERFRAME		FABRICATED STEEL	27. HAND BRAKES	GEARED POWER TYPE
8. FLOOR STRINGERS		4" x 4" WOOD OR 4" ZEES @ 8.2#	28. **TRUCKS**	
9. FLOORING (DECKING)		YELLOW PINE, 2⅜" THICK	29. TYPE	"UNIT", A.C.L. CLASS T-9-D
10. OUTSIDE LADING ANCHORS (FLOOR)		"WINE" UNIVERSAL; 2⅜" HIGH; TOTAL 52	30. TRUCK SPRINGS	SIX DOUBLE COIL (CLASS D-2) PER TRUCK
11. INSIDE LADING ANCHORS (FLOOR)		"WINE" UNIVERSAL; 2⅜" HIGH; TOTAL 8	31. SNUBBER	SPRING COIL TYPE; 2 PER TRUCK
12. INSIDE LADING ANCHORS (BOLSTER)		"WINE" UNIVERSAL; 1⅞" HIGH; TOTAL 4	32. SIDE BEARING	"MONOCAST"; ROLLER TYPE
13. END BULKHEADS		FABRICATED STEEL	33. AXLES	A.A.R., 5½" x 10" JOURNALS
14. END BULKHEAD LINING		YELLOW PINE, 1⅞" THICK	34. BRAKE BEAMS	UNIT
15. END BULKHEAD LADING ANCHORS		"WINE" SELF-ALIGNING TYPE; TOTAL 8	35. JOURNAL BEARINGS	(BRASS) SOLID TYPE
16. END BULKHEAD COMPARTMENTS (LADING)		ONE AT EACH END; TOTAL 60 CU. FT.	36. JOURNAL BEARINGS	JOURNAL OIL
17. LADING ANCHORS AT STAKE POCKETS		A.C.L. MFG.; 13 EACH SIDE; TOTAL 26	37. TRUCK LEVERS	FORGED STEEL
18. **DRAFT GEAR**			38. **MISCELLANEOUS**	
19. TYPE		NZ-11-E, MF-400 OR WAUGH 700	39. DEFECT CARD HOLDER	
20. DRAFT ATTACHMENTS		CAST STEEL YOKE	40.	

FREIGHT DOK Nº 3

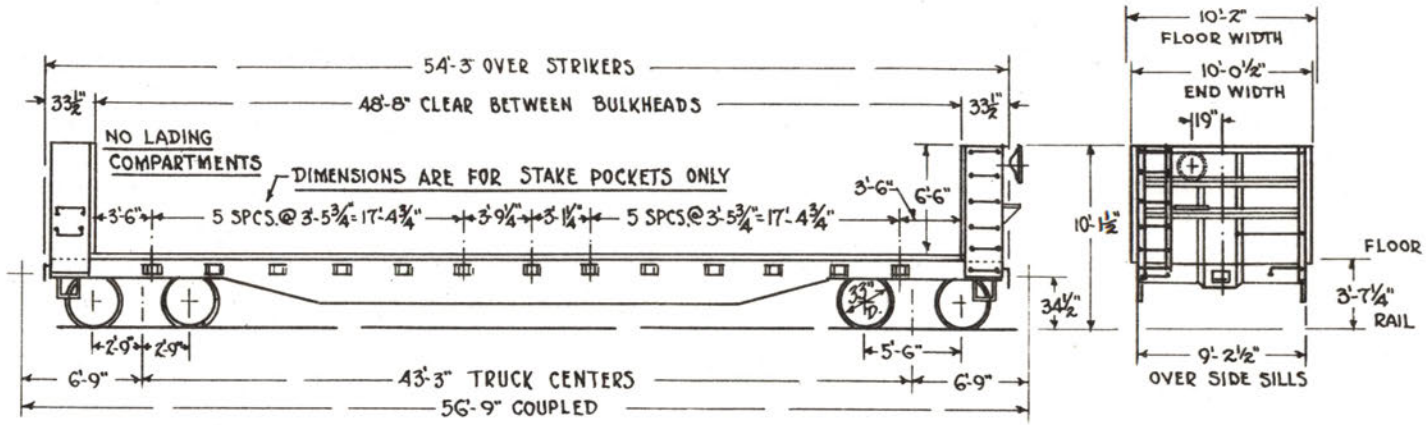
FLATS BUILT 1943 BY GREENVILLE STL. CAR CO. ~ BULKHEADS ADDED 1958 FOR GYPSUM SERVICE. SEE FILE 21.98. ~ (OUTSHOPPED SEPT. 5-11, 1958).

1-17-58 jwh

FLAT, BULKHEAD ~~ CLASS P-13

SCL Nos 677007, 677080, 677129

CARS ASSIGNED TO U.S. GYPSUM COMPANY.



FOR GEN'L. ARR'GT. SEE DRWG. No S-913

A.A.R. MECH. DESIGNATION F B

REI...T DOK No 3

1. **GENERAL**		
2. CAPACITY	(55 TONS)	110,000 LBS.
3. LIGHT WEIGHT		57,800 LBS.
4. LOAD LIMIT		111,200 LBS.
5. MAX. LOAD ON RAILS		169,000 LBS.
6. **BODY**		
7. UNDERFRAME		FABRICATED STEEL
8. FLOOR STRINGERS	(DRWG. No Q-525)	4" ZEES @ 8.2# & 3" ZEES @ 6.7#
9. FLOORING (DECKING)		YELLOW PINE, 2⅜" THICK
10. OUTSIDE LADING ANCHORS (FLOOR)		NONE
11. INSIDE LADING ANCHORS (FLOOR)		"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 60
12. INSIDE LADING ANCHORS (BOLSTER)		"WINE" UNIVERSAL; 1⅞" HIGH; TOTAL 4
13. END BULKHEADS		FABRICATED STEEL
14. END BULKHEAD LINING		YELLOW PINE, 1⅞" THICK
15. END BULKHEAD LADING ANCHORS		"WINE" SELF-ALIGNING TYPE; TOTAL 8
16. END BULKHEAD COMPARTMENTS (LADING)		NONE
17. LADING ANCHORS AT STAKE POCKETS		A.C.L. MFG.; 13 EACH SIDE; TOTAL 26
18. **DRAFT GEAR**		
19. TYPE		NZ-11-E OR WAUGH 700
20. DRAFT ATTACHMENTS		CAST STEEL YOKE
21. COUPLER		6¼" x 8" RIGID SHANK, A.A.R., TYPE "E"
22. UNCOUPLING DEVICE		"IMPERIAL" ROTARY, BOTTOM OPERATED
23. **BRAKES**		
24. BRAKE SCHEDULE		WESTINGHOUSE "AB"
25. BRAKE POWER		34,680 LBS. = 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
26. BRAKE ADJUSTER (SLACK)		NONE
27. HAND BRAKES		GEARED POWER TYPE
28. **TRUCKS**		
29. TYPE		"UNIT", A.C.L. CLASS T-9-D
30. TRUCK SPRINGS		SIX DOUBLE COIL (CLASS D-2) PER TRUCK
31. SNUBBER		SPRING COIL TYPE; 2 PER TRUCK
32. SIDE BEARING		"MONOCAST"; ROLLER TYPE
33. AXLES		A.A.R., 5½" x 10" JOURNALS
34. BRAKE BEAMS		UNIT
35. JOURNAL BEARINGS		(BRASS) SOLID TYPE
36. JOURNAL BEARING LUBRICANT		JOURNAL OIL
37. TRUCK LEVERS		FORGED STEEL
38. **MISCELLANEOUS**		
39. DEFECT CARD HOLDER		
40.		

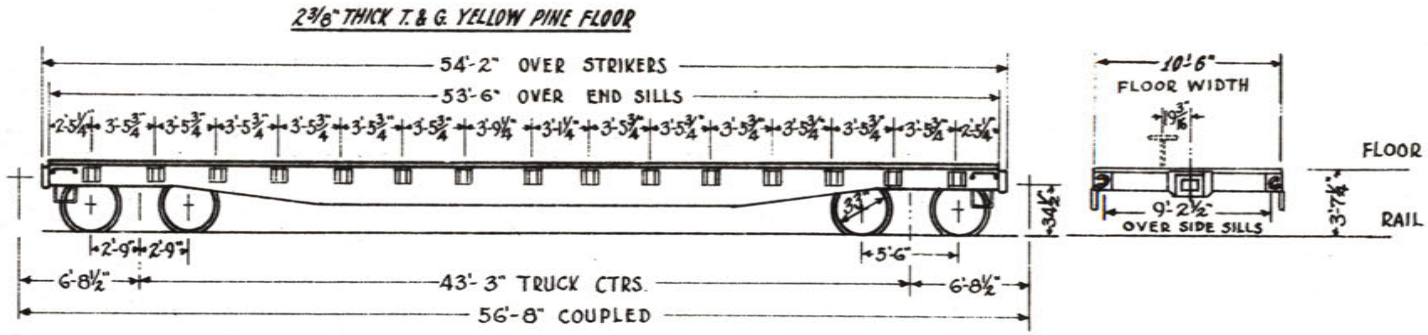
J.W.H.
9-23-47

RF'GHT
OOK ..o 3

BUILT 1943 BY PULLMAN CO.
LOT 5738

FLAT ~ ~ ~ CLASS P-14

SCL Nos 677172-677471



A.A.R. MECH. DESIGNATION FM

1.	**GENERAL**	
2.	CAPACITY AREA 544 SQ. FT. (55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT	50,040 LBS.
4.	LOAD LIMIT	118,960 LBS.
5.	MAX. LOAD ON RAILS	169,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL
8.	SUPERSTRUCTURE	NONE
9.	SHEATHING	NONE
10.	ENDS	END SILLS 12"-20.7# ⅊
11.	CARLINES	NONE
12.	ROOF	NONE
13.	RUNNING BOARDS	NONE
14.	DOORS	NONE
15.	DOOR FIXTURES	NONE
16.	DOOR OPENING, CLEAR	NONE
17.	**DRAFT GEAR**	
18.	TYPE	Nos 677172-677371 (200) CARDWELL-WESTINGHOUSE NZ-11-F Nos 677372-677471 (100) MINER A2-Y-B
19.	DRAFT ATTACHMENTS	A.A.R., CAST STEEL YOKE
20.	COUPLER	6 1/4" x 8" RIGID SHANK, A.A.R. TYPE "E"
21.	COUPLER CENTERING DEVICE	NONE
22.	UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
23.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE "AB"
25.	BRAKE POWER	30,024 LBS. = 60% LT. WT. @ 50 LBS. BRAKE CYLINDER PRESSURE
26.	TYPE BRAKES	INSIDE
27.	HAND BRAKES	"UNIVERSAL" ~ DROP STAFF TYPE
28.	**TRUCKS**	
29.	TYPE	"UNIT", A.C.L. CLASS T-9-D
30.	SIDE BEARINGS	ROLLER TYPE
31.	DEAD LEVER FULCRUM	FORGED STEEL
32.	LATERAL MOTION DEVICE	NONE
33.	SNUBBER	NONE
34.	AXLES	A.A.R., 5 1/2" x 10" JOURNALS
35.	BRAKE BEAMS	UNIT
36.	BRAKE BEAM AUX. SUPPORT	UNIT
37.	**MISCELLANEOUS**	
38.		
39.		
40.		

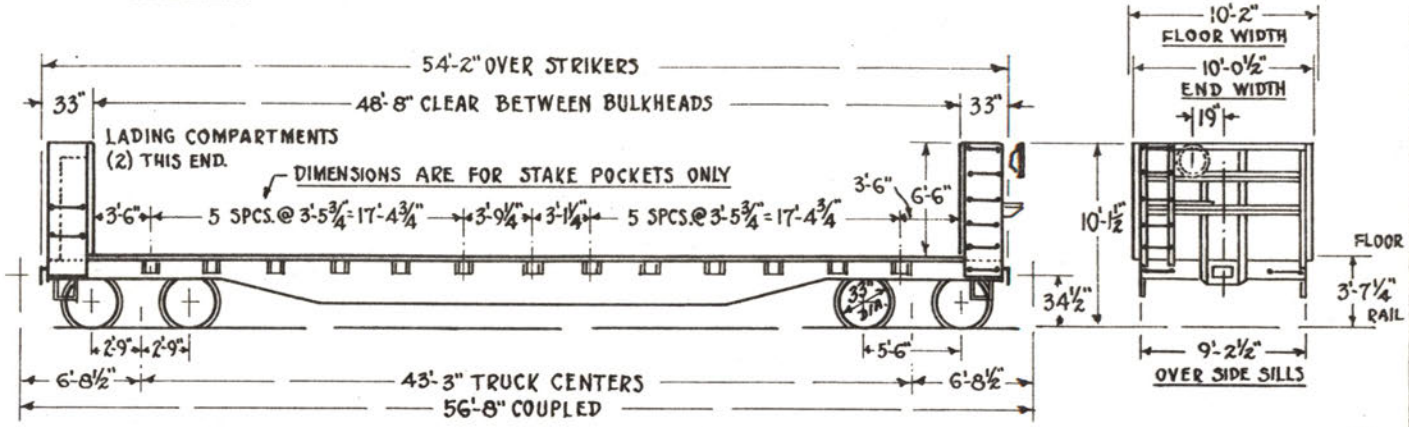
8-14-59 j.w.h

REIGHT
OOK No 3

BUILT 1943 BY PULLMAN CO.~LOT 5738.~ BULKHEADS ADDED 1959 FOR GYPSUM SERVICE.~ SEE FILE 21.98.

FLAT, BULKHEAD ~ ~ CLASS P-14

SCL Nos 677199, 677207, 677334, 677356, 677465



FOR GEN'L. ARRG'T. SEE DRWG. No S-913.
FOR END ARRG'T. SEE DRWG. No S-912.

A.A.R. MECH. DESIGNATION FB

1. **GENERAL**		
2. CAPACITY	AREA 495 SQ. FT. (55-TONS)	110,000 LBS.
3. LIGHT WEIGHT		57,700 LBS.
4. LOAD LIMIT		111,300 LBS.
5. MAX. LOAD ON RAILS		169,000 LBS.
6. **BODY**		
7. UNDERFRAME		FABRICATED STEEL
8. FLOOR STRINGERS		STEEL, 4" ZEES @ 8.2#
9. FLOORING (DECKING)		OAK OR GUM, 2⅜" THICK
10. OUTSIDE LADING ANCHORS (FLOOR)		NONE
11. INSIDE LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 60	
12. INSIDE LADING ANCHORS (BOLSTER)	"WINE" UNIVERSAL; TOTAL 4	
13. END BULKHEADS		FABRICATED STEEL
14. END BULKHEAD LINING		YELLOW PINE, 1⅞" THICK
15. END BULKHEAD LADING ANCHORS	"WINE" SELF-ALIGNING TYPE; TOTAL 8	
16. END BULKHEAD COMPARTMENTS (LADING)	TWO AT "A" END; TOTAL 60 CU. FT.	
17. LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE, TOTAL 26	
18. **DRAFT GEAR**		
19. TYPE	MF-400, C.-W. NZ-11-F, MINER A2-X-B OR WAUGH 700	
20. DRAFT ATTACHMENTS		CAST STEEL YOKE
21. COUPLER		6¼" × 8" RIGID SHANK, A.A.R. TYPE "E"
22. UNCOUPLING DEVICE		"IMPERIAL" ROTARY, BOTTOM OPERATED
23. **BRAKES**		
24. BRAKE SCHEDULE		WESTINGHOUSE "AB"
25. BRAKE POWER	34,620 LBS. = 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE	
26. BRAKE ADJUSTER (SLACK)		NONE
27. HAND BRAKES		GEARED POWER TYPE
28. **TRUCKS**		
29. TYPE		"UNIT", A.C.L. CLASS T-9-D
30. TRUCK SPRINGS		SIX DOUBLE COIL (CLASS D-2) PER TRUCK
31. SNUBBER		SPRING COIL TYPE; 2 PER TRUCK
32. SIDE BEARING		"MONOCAST"; ROLLER TYPE
33. AXLES		A.A.R. 5½" × 10" JOURNALS
34. BRAKE BEAMS		UNIT
35. JOURNAL BEARINGS		(BRASS) SOLID TYPE
36. JOURNAL BEARING LUBRICANT		JOURNAL OIL
37. TRUCK LEVERS		FORGED STEEL
38. **MISCELLANEOUS**		
39. DEFECT CARD HOLDER		
40.		

FLAT, PIGGY-BACK SERVICE ~ CLASSES P-13-P & P-14-P

SCL Nos 677030-677470

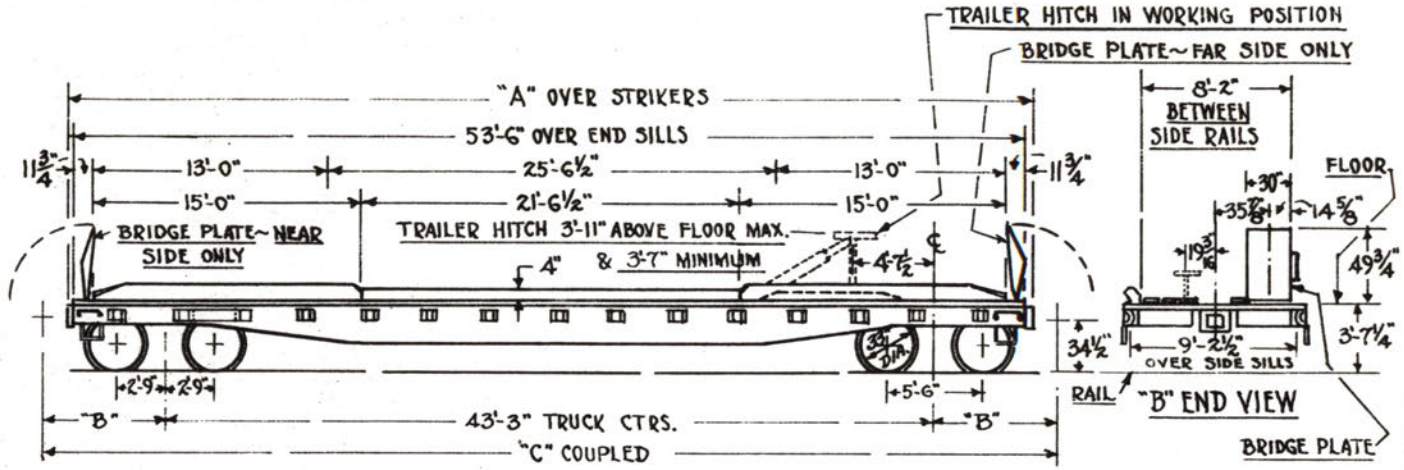
P-13 BUILT 1943 BY GREENVILLE STL. CAR CO., LOT 0.0.364
P-14 BUILT 1943 BY PULLMAN CO., LOT 5738.~ 50 CARS
CONVERTED DEC.,1959 IN WAYCROSS SHOPS.~ SEE FILE 21.82.7.1

6-24-65:~ABOVE 50 CARS EQUIPPED FOR PIGGY-BACK SERVICE REDUCED TO 15 IN LATE 1964 & EARLY 1965.~
LETTER OF 12-15-64 ~A.F.E. 26,271 EQ.~
FILE 21.82.7.1

CLASS P-13-P:-
677069

CLASS P-14-P:- 677374 (W)
677238
677190 677389
677357

(W) = WAUGH 700 DRAFT GEAR.
(M) = MF 400-A DRAFT GEAR.



MULTIPLE WEAR STEEL WHEELS

CLASS	"A"	"B"	"C"
P-13	54'-3"	6'-9"	56'-9"
P-14	54'-2"	6'-8 1/2"	56'-8"

A.A.R. MECH. DESIGNATION FC

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT	55,300 LBS.
4.	LOAD LIMIT	113,700 LBS.
5.	MAX. LOAD ON RAIL	169,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL
8.	FLOOR, MAIN	2 3/8" THICK, SQUARE EDGE DECKING, TRANSVERSE
9.	FLOOR, AT TRAILER HITCH	2" THICK, SQ. EDGE DECK'G., LONGITUDINAL, TOP OF MAIN FLOOR
10.	SIDE RAILS, AT ENDS	6" x 6" x 3/8" STEEL ANGLES
11.	SIDE RAILS, CENTER	4" x 6" (WOOD) TIMBERS
12.	BRIDGE PLATE, "B" END	FABRICATED STEEL, HINGED, OPPOSITE BRAKE STAFF
13.	BRIDGE PLATE, "A" END	FAB'D. STEEL, HINGED, DIAGONALLY OPPOSITE "B" END
14.	TRAILER HITCH (RETRACTABLE)	A.C.F. APPLICATION DRWG. 61-SK-670-A, "B" END
15.	CHAIN ANCHOR, "A" END	ONE EACH SIDE
16.	CHAIN, "A" END	TWO ~ EACH 1/2" x 20'-3" LONG WITH ONE 1/2"-#45 ACCO D.F. HOOK
17.	CHAIN CONTAINERS	ONE EACH SIDE BELOW CHAIN ANCHORS, "A" END
18.	**DRAFT GEAR**	
19.	TYPE	CARDWELL-WESTINGHOUSE NZ-11-E, NZ-11-F OR MINER A2-X-B
20.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE
21.	COUPLER	6 1/4" x 8" RIGID SHANK, A.A.R. TYPE "E"
22.	UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
23.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE "AB"
25.	BRAKE POWER	30,180 LBS.= 18.5% OF RAIL LOAD
26.	BRAKE ADJUSTER	NONE
27.	HAND BRAKES	"UNIVERSAL" ~ DROP STAFF TYPE
28.	**TRUCKS**	
29.	TYPE	"UNIT" ~ A.C.L. CLASS T-9-D
30.	SIDE BEARINGS	ROLLER TYPE
31.	TRUCK LEVERS	FORGED STEEL
32.	LATERAL MOTION DEVICE	NONE
33.	SNUBBER	WESTINGHOUSE
34.	AXLES	5 1/2" x 10" ROLLER BEARING FREIGHT AXLE
35.	BRAKE BEAMS	UNIT
36.	JOURNAL BEARINGS	TIMKEN "AP"
37.	**MISCELLANEOUS**	
38.	JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BEARING GREASE
39.	DEFECT CARD HOLDER	MACLEAN-FOGG
40.		

2-3-60 jwh

REIGHT OOK No 3

jwh 6-8-61

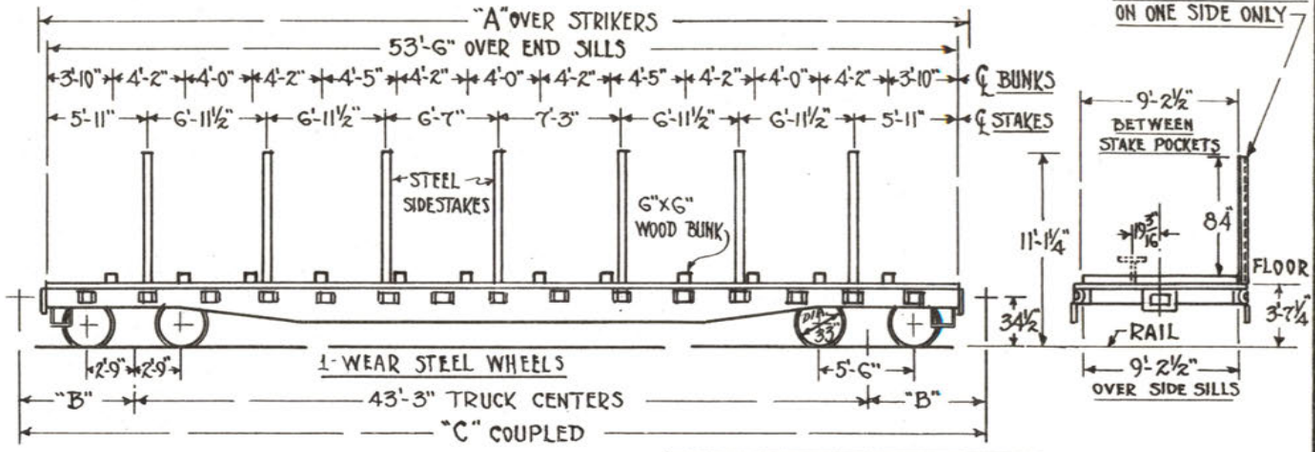
P-13 BUILT 1943 BY GREENVILLE STL. CAR CO., LOT 0.0.364
P-14 BUILT 1943 BY PULLMAN CO., LOT 5738.~CONVERTED IN WAYCROSS SHOPS.~ SEE FILES 21.98.13 & 21.98.13.1

FLAT, LOG & LUMBER SERVICE ~ CLASS P-13 & P-14

SCL Nos 677142-677316

CLASS P-13:-
677142

CLASS P-14:-
677204
677231
677251
677265
677300
677302
677360
677447
677452
677467 (WAUGH)
677316 (WAUGH)



CLASS	"A"	"B"	"C"
P-13	54'-3"	6'-9"	56'-9"
P-14	54'-2"	6'-8½"	56'-8"

A.A.R. CLASS FMS

REIGHT DOK No 3

NOTE:- *IN RENEWALS, LOAD TIE CHAINS TO BE ½" HI-TEST WITH LEBUS RATCHET TYPE LOAD BINDERS, L-140 MODEL RA. 6 ASSEMBLIES PER CAR*

SEE DRWG. No N-1080 FOR GEN. ARRGT.

1. **GENERAL**		
2. CAPACITY	AREA 544 SQ. FT. (50-TONS)	100,000 LBS.
3. LIGHT WEIGHT		51,800 LBS.
4. LOAD LIMIT		117,200 LBS.
5. MAX. LOAD ON RAILS		169,000 LBS.
6. **BODY**		
7. UNDERFRAME		FABRICATED STEEL
8. SUPERSTRUCTURE		7 STAKES (ONE SIDE ONLY) 5" @ 11.6# ZEE
9. LOAD TIE CHAINS		(6) ⅝" BBB COIL CHAIN ~ 29 FT. LONG
10. LOAD BINDERS (SEE NOTE)		DURBIN-DURCO EXTRA HEAVY, 6 PER CAR
11. FLOORING		2⅜" THICK TREATED GUM
12. FLOOR STRINGERS		4" @ 8.2# ZEES & 3" @ 6.7# ZEES
13. FLOOR CLIPS		M-F TYPE G, 6 PER BOARD
14. LOAD BEARERS		6"x6" WOOD; FULL WIDTH BETWEEN STAKES
15. ENDS		END SILLS, 12" @ 20.7# CHANNEL
16. **DRAFT GEAR**		
17. TYPE		CARDWELL-WESTINGHOUSE NZ-11-F OR MINER A2XB
18. DRAFT ATTACHMENTS		CAST STEEL YOKE Y-40
19. COUPLER		TYPE E, 6¼" x 8" RIGID SHANK
20. UNCOUPLING DEVICE		"IMPERIAL" ROTARY BOTTOM OPERATED

21. **BRAKES**	
22. BRAKE SCHEDULE	WESTINGHOUSE AB
23. BRAKING POWER	34,620 LBS.=66% LT. WT. @ 50# CYLD. PRESSURE
24. BRAKE ADJUSTER	NONE
25. HAND BRAKES	"UNIVERSAL" DROPSTAFF TYPE
26. **TRUCKS**	
27. TYPE	"UNIT", A.C.L. CLASS T-9-D
28. SPRINGS	A.A.R. D-2, 1⅝" TRAVEL
29. SNUBBERS	CARDWELL A-2
30. SIDE BEARINGS	ROLLER TYPE
31. BRAKE BEAMS	UNIT No 18
32. BRAKE BEAM SUPPORT	UNIT GUIDES
33. AXLES	A.A.R. 5½" x 10" FRICTION JOURNALS
34. DEAD LEVER FULCRUM	FORGED STEEL
35. JOURNAL PACKING	LUBRICATOR PADS
36. JOURNAL BEARINGS	(BRASS) SOLID TYPE
37. **MISCELLANEOUS**	
38. DEFECT CARD HOLDER	MACLEAN-FOGG
39.	
40.	

6-13-61 j wh

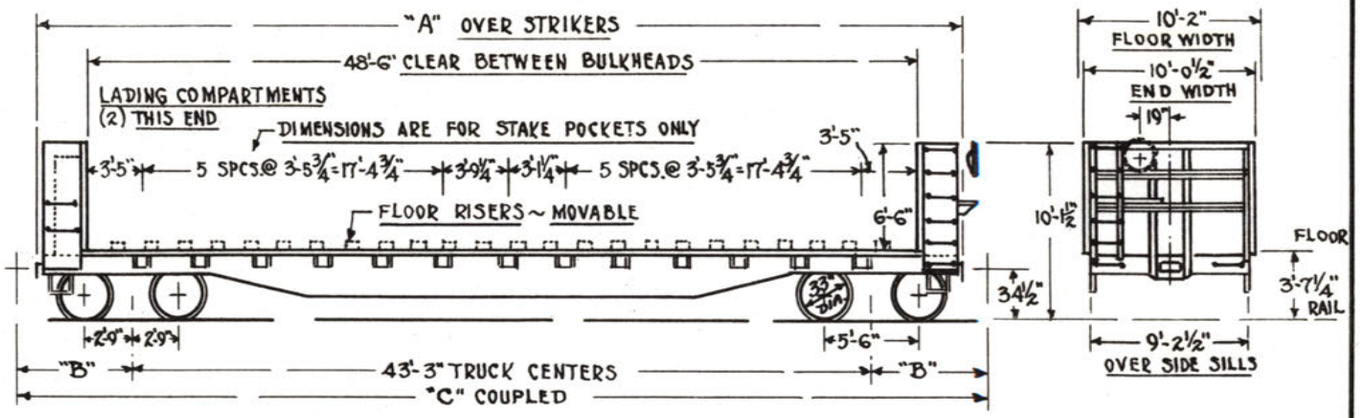
P-13 BUILT 1943 BY GREENVILLE STL. CAR CO., LOT 0.0.364 ~ P-14 BUILT 1943 BY PULLMAN, LOT 5738.~ CONVERTED 1961 IN WAYCROSS SHOPS. ~ SEE FILE 21.98.17.

FLAT, BULKHEAD ~~ CLASS P-14

SCL Nos 677217-677400

CLASS P-14:-
677217

677298
677317
677400



CARS EQUIPPED WITH JUMBO END COVER PLATES.

FOR GEN'L. ARRG'T. SEE DRWG. No S-913.
FOR END ARRG'T. SEE DRWG. No S-912
FOR FLOATING RISERS SEE DRWG. No S-953.

CLASS	"A"	"B"	"C"
~~P-13~~	~~54'-3"~~	~~6'-9"~~	~~56'-9"~~
P-14	54'-2"	6'-8½"	56'-8"

A.A.R. MECH. DESIGNATION FB

REIGHT OOK No 3

1.-**GENERAL**		21. COUPLER	6¼"×8" RIGID SHANK, A.A.R. TYPE "E"
2. CAPACITY	AREA 495 SQ. FT. (55-TONS) 110,000 LBS.	22. UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
3. LIGHT WEIGHT	60,100 LBS.	23.-**BRAKES**	
4. LOAD LIMIT	108,900 LBS.	24. BRAKE SCHEDULE	WESTINGHOUSE "AB"
5. MAX. LOAD ON RAILS	169,000 LBS.	25. BRAKE POWER	LBS.=60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
6.-**BODY**		26. BRAKE ADJUSTER (SLACK)	NONE
7. UNDERFRAME	FABRICATED STEEL	27. HAND BRAKES	GEARED POWER TYPE
8. FLOOR STRINGERS	STEEL, 4" ZEES @ 8.2#	28.-**TRUCKS**	
9. FLOORING (DECKING)	OAK OR GUM, 2⅜" THICK	29. TYPE	"UNIT", A.C.L. CLASS T-9-D
10. FLOOR RISERS	MOVABLE, 4"×8"×48" PINE; 48 PER CAR	30. TRUCK SPRINGS	SIX DOUBLE COIL (CLASS D-2) PER TRUCK
11. LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 48	31. SNUBBER	SPRING COIL TYPE; 2 PER TRUCK
12. LADING ANCHORS (BOLSTER)	"WINE" UNIVERSAL; TOTAL 4	32. SIDE BEARING	"MONOCAST"; ROLLER TYPE
13. END BULKHEADS	FABRICATED STEEL	33. AXLES	A.A.R. 5½"×10" JOURNALS
14. END BULKHEAD LINING	YELLOW PINE, 2⅞" THICK	34. BRAKE BEAMS	UNIT
15. END BULKHEAD LADING ANCHORS	NONE	35. JOURNAL BEARINGS	(BRASS) SOLID TYPE
16. END BULKHEAD COMPARTMENTS (LADING)	TWO AT "A" END; TOTAL 60 CU. FT.	36. JOURNAL BEARING LUBRICANT	JOURNAL OIL
17. LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE, TOTAL 26	37. TRUCK LEVERS	FORGED STEEL
18.-**DRAFT GEAR**		38.-**MISCELLANEOUS**	
19. TYPE	NZ-11-F, A2XB OR WAUGH 700	39. DEFECT CARD HOLDER	MACLEAN-FOGG
20. DRAFT ATTACHMENTS	CAST STEEL YOKE	40.	

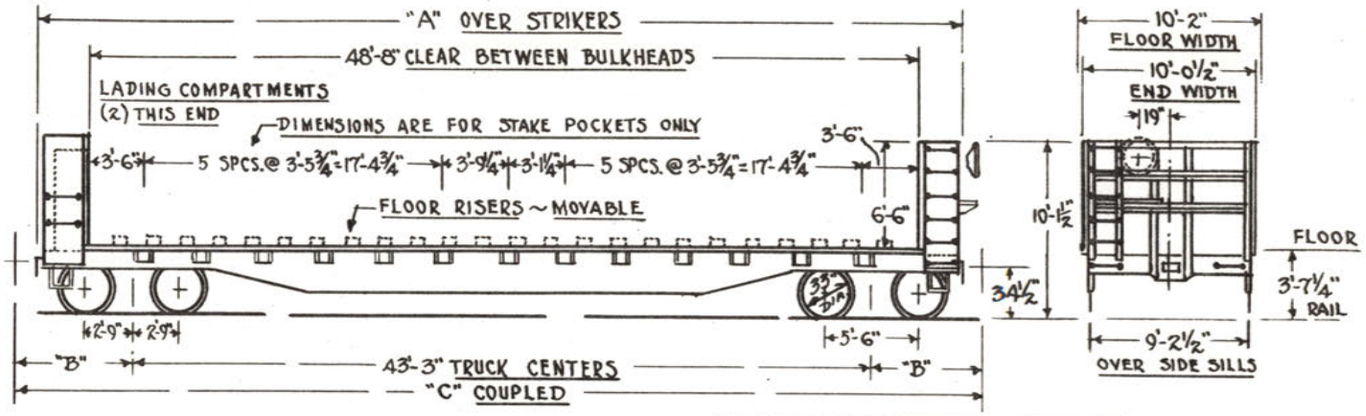
P-13 BUILT 1943 BY GREENVILLE STEEL CAR CO., LOT 0.0.364 ~ P-14 BUILT 1943 BY PULLMAN, LOT 5738. ~ CONVERTED 1961 IN WAYCROSS SHOPS. ~ SEE FILE 21.98.17

FLAT, BULKHEAD ~~ CLASS P-13 & P-14

SCL Nos 677157-677462

CLASS P-13:-
677157, 677158

CLASS P-14:-
677306, 677349, 677428, 677462



FOR GEN'L. ARRG'T. SEE DRWG. № S-913.
FOR END ARRG'T. SEE DRWG. № S-912.
FOR FLOATING RISERS SEE DRWG. № S-953.

CARS EQUIPPED WITH JUMBO END COVER PLATES.

CLASS	"A"	"B"	"C"
P-13	54'-3"	6'-9"	56'-9"
P-14	54'-2"	6'-8½"	56'-8"

A.A.R. MECH. DESIGNATION F B

1.- **GENERAL**		
2.	CAPACITY	AREA 495 SQ. FT. (55-TONS) 110,000 LBS.
3.	LIGHT WEIGHT	60,100 LBS.
4.	LOAD LIMIT	108,900 LBS.
5.	MAX. LOAD ON RAILS	169,000 LBS.
6.- **BODY**		
7.	UNDERFRAME	FABRICATED STEEL
8.	FLOOR STRINGERS	STEEL, 4" ZEES @ 8.2#
9.	FLOORING (DECKING)	OAK OR GUM, 2⅜" THICK
10.	FLOOR RISERS	MOVABLE, 4" x 8" x 48" PINE; 48 PER CAR
11.	LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 48
12.	LADING ANCHORS (BOLSTER)	"WINE" UNIVERSAL; TOTAL 4
13.	END BULKHEADS	FABRICATED STEEL
14.	END BULKHEAD LINING	YELLOW PINE, 1⅞" THICK
15.	END BULKHEAD LADING ANCHORS	NONE
16.	END BULKHEAD COMPARTMENTS (LADING)	TWO AT "A" END; TOTAL 60 CU. FT.
17.	LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE, TOTAL 26
18.- **DRAFT GEAR**		
19.	TYPE	NZ-11-F, A2XB OR WAUGH 700
20.	DRAFT ATTACHMENTS	CAST STEEL YOKE
21.	COUPLER	6¼" x 8" RIGID SHANK, A.A.R. TYPE "E"
22.	UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
23.- **BRAKES**		
24.	BRAKE SCHEDULE	WESTINGHOUSE "AB"
25.	BRAKE POWER	36,060 LBS. = 60% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
26.	BRAKE ADJUSTER (SLACK)	NONE
27.	HAND BRAKES	GEARED POWER TYPE
28.- **TRUCKS**		
29.	TYPE	"UNIT", A.C.L. CLASS T-9-D
30.	TRUCK SPRINGS	SIX DOUBLE COIL (CLASS D-2) PER TRUCK
31.	SNUBBER	SPRING COIL TYPE; 2 PER TRUCK
32.	SIDE BEARING	"MONOCAST"; ROLLER TYPE
33.	AXLES	A.A.R. 5½" x 10" JOURNALS
34.	BRAKE BEAMS	UNIT
35.	JOURNAL BEARINGS	(BRASS) SOLID TYPE
36.	JOURNAL BEARING LUBRICANT	JOURNAL OIL
37.	TRUCK LEVERS	FORGED STEEL
38.- **MISCELLANEOUS**		
39.	DEFECT CARD HOLDER	MACLEAN-FOGG
40.	PACKING	LUBRICATOR PADS

.23-62 j w h

REIGHT OOK № 3

jwh 6-20-61

No 3

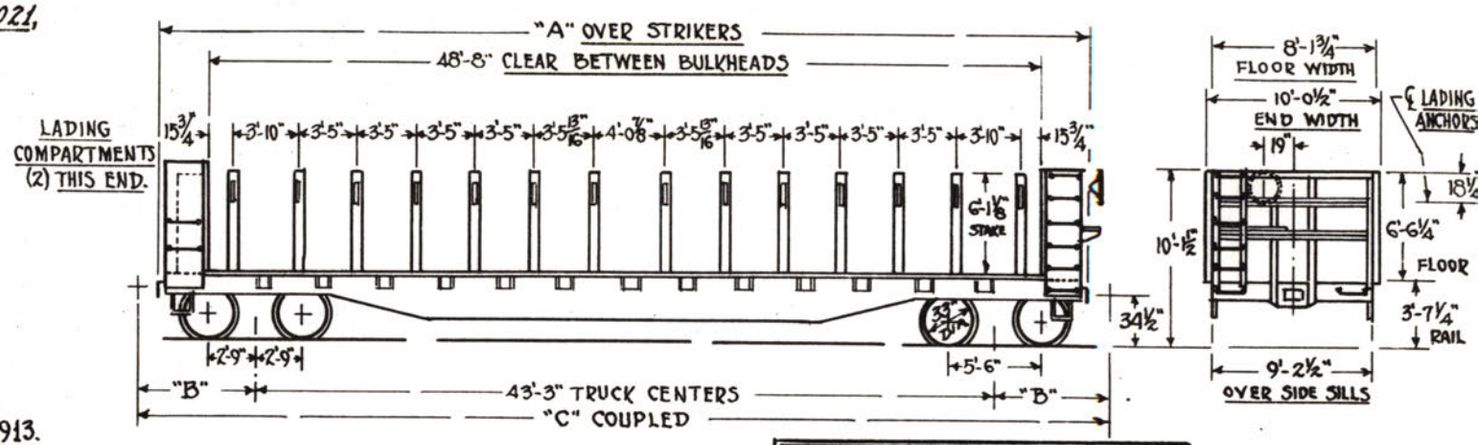
P-13 BUILT 1943 BY GREENVILLE STL. CAR CO., LOT 0.0.364 ~ P-14 BUILT 1943 BY PULLMAN, LOT 5738. ~ CONVERTED 1960-61 IN WAYCROSS SHOPS. ~ SEE FILE 21.98.15.

FLAT, BULKHEADS & REMOVABLE STAKES ~ CLASS P-13 & P-14

SCL Nos 677004-677340

CLASS P-13:-
677004, 677021,
677161, 677032,

CLASS P-14:-
677182, 677189,
677331, 677340



CLASS	"A"	"B"	"C"
P-13	54'-3"	6'-9"	56'-9"
P-14	54'-2"	6'-8½"	56'-8"

A.A.R. MECH. DESIGNATION F B

FOR GEN'L. ARRG'T., SEE DRWG. No S-913.
FOR END ARRG'T., SEE DRWG. No S-912.
FOR STAKE ARRG'T., SEE DRWG. No S-951

1.-	**GENERAL**	
2.	CAPACITY	396 SQ. FT. (55-TONS) 110,000 LBS.
3.	LIGHT WEIGHT	60,300 LBS.
4.	LOAD LIMIT	108,700 LBS.
5.	MAX. LOAD ON RAILS	169,000 LBS.
6.-	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL
8.	FLOOR STRINGERS	STEEL, 4" ZEES @ 8.2 #
9.	FLOORING (DECKING)	OAK OR GUM, 2⅜" THICK
10.	SIDE STAKES (REMOVABLE)	4" @ 5.4# CHANNELS, 28 PER CAR
11.	INSIDE LADING ANCHORS (FLOOR)	"SERVEX", ILL. RWY. EQ. DRWG. 7313-D; TOTAL 60
12.	INSIDE LADING ANCHORS (BOLSTER)	"WINE" UNIVERSAL; TOTAL 4
13.	END BULKHEADS	FABRICATED STEEL
14.	END BULKHEAD LINING	YELLOW PINE, 1⅞" THICK
15.	END BULKHEAD LADING ANCHORS	"WINE" SELF-ALIGNING TYPE; TOTAL 8
16.	END BULKHEAD COMPARTMENTS (LADING)	TWO AT "A" END; TOTAL 60 CU. FT.
17.	LADING ANCHORS AT STAKE POCKETS	A.C.L. MFG.; 13 EACH SIDE, TOTAL 26
18.-	**DRAFT GEAR**	
19.	TYPE	NZ-11-F, A2XB, MF-400 OR WAUGH 700
20.	DRAFT ATTACHMENTS	CAST STEEL YOKE
21.	COUPLER	6¼" x 8" RIGID SHANK, A.A.R. TYPE "E"
22.	UNCOUPLING DEVICE	"IMPERIAL" ROTARY, BOTTOM OPERATED
23.-	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE "AB"
25.	BRAKE POWER	34,620 LBS. = 57.4% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
26.	BRAKE ADJUSTER (SLACK)	NONE
27.	HAND BRAKES	GEARED POWER TYPE
28.-	**TRUCKS**	
29.	TYPE	"UNIT", A.C.L. CLASS T-9-D
30.	TRUCK SPRINGS	SIX DOUBLE COIL (CLASS D-2) PER TRUCK
31.	SNUBBER	SPRING COIL TYPE; 2 PER TRUCK
32.	SIDE BEARING	"MONOCAST"; ROLLER TYPE
33.	AXLES	A.A.R. 5½" x 10" JOURNALS
34.	BRAKE BEAMS	UNIT
35.	JOURNAL BEARINGS	(BRASS) SOLID TYPE
36.	JOURNAL BEARING LUBRICANT	JOURNAL OIL
37.	TRUCK LEVERS	FORGED STEEL
38.-	**MISCELLANEOUS**	
39.	DEFECT CARD HOLDER	MACLEAN-FOGG
40.	PACKING	LUBRICATOR PADS

-17-61
jwh

No 3

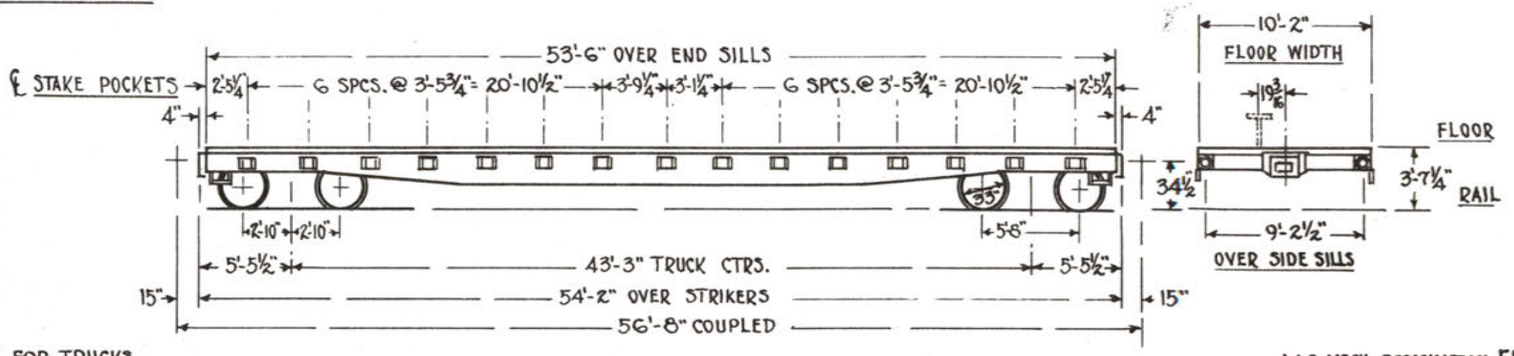
BUILT 1943 BY PULLMAN CO.,
LOT 5738.~ MODIFIED 1960
IN WAYCROSS SHOPS.

FLAT ~ ~ CLASS P-14

SCL № 677369

77-TON

2 3/8" THICK T. & G. YELLOW PINE FLOOR



SEE DRWG. № Q-488 FOR TRUCKS.
SEE DRWG. № S-223 FOR GENERAL ARRANGEMENT.

A.A.R. MECH. DESIGNATION FM

1.-	**GENERAL**		
2.	CAPACITY	AREA 544 SQ.FT. (77-TONS)	154,000 LBS.
3.	LIGHT WEIGHT		56,400 LBS.
4.	LOAD LIMIT	(STENCILED)	140,000 LBS.
5.	MAX. LOAD ON RAILS		196,400 LBS.
6.-	**BODY**		
7.	UNDERFRAME		FABRICATED STEEL
8.	SUPERSTRUCTURE		NONE
9.	SHEATHING		NONE
10.	ENDS		END SILLS 12" @ 20.7 # CHANNELS
11.	CARLINES		NONE
12.	ROOF		NONE
13.	RUNNING BOARDS		NONE
14.	DOORS		NONE
15.	DOOR FIXTURES		NONE
16.	DOOR OPENING, CLEAR		NONE
17.-	**DRAFT GEAR**		
18.	TYPE		NATIONAL MF-400 RUBBER
19.	DRAFT ATTACHMENTS		A.A.R., CAST STEEL YOKE
20.	COUPLER		6¼" x 8" RIGID SHANK, A.A.R. TYPE "E"
21.	COUPLER CENTERING DEVICE		NONE
22.	UNCOUPLING DEVICE		"IMPERIAL" ROTARY, BOTTOM OPERATED
23.-	**BRAKES**		
24.	BRAKE SCHEDULE		WESTINGHOUSE AB
25.	BRAKE POWER		38,408 LBS. = 19.5% OF MAX. RAIL LOAD
26.	TYPE BRAKES		INSIDE
27.	HAND BRAKES		"UNIVERSAL" ~ DROP STAFF TYPE
28.-	**TRUCKS**		
29.	TYPE		A.S.F. A-3 RIDE CONTROL; A.C.L. CLASS T-10-G
30.	SIDE BEARINGS		ROLLER TYPE; A. STUCKI CO.
31.	BRAKE SHOE KEY		"LOCKEY", A.B.S. CO.
32.	LATERAL MOTION DEVICE		A-3 RIDE CONTROL
33.	SNUBBERS		A-3 RIDE CONTROL
34.	AXLES		6x11 FREIGHT ROLLER BEARING
35.	BRAKE BEAMS		A.A.R. № 18 UNIT
36.	ROLLER BEARINGS		TIMKEN AP 6x11
37.	JOURNAL BEARING LUBRICANT		A.A.R. ROLLER BRG. GREASE
38.	WHEELS		A.A.R. D-33 MULTIPLE WEAR
39.-	**MISCELLANEOUS**		
40.			

W.H. 9-24-47

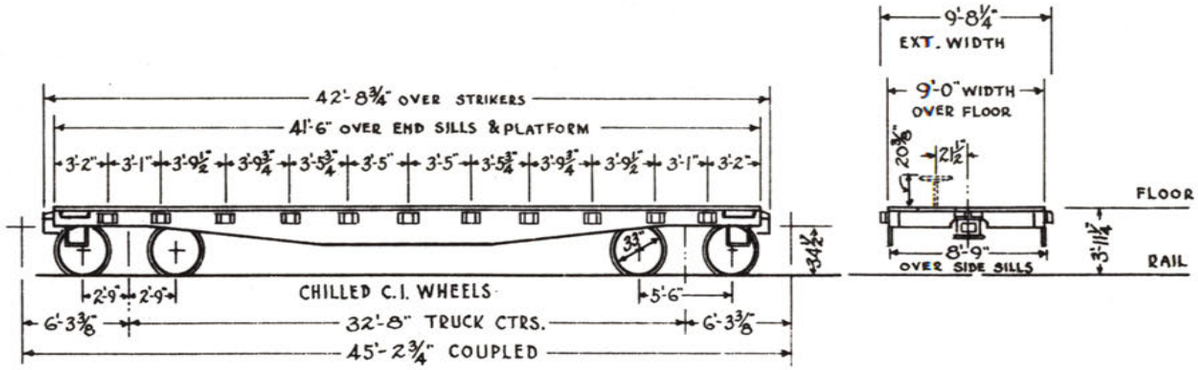
No 3

REBUILT 1942 FROM BALLAST CARS, SERIES 165100-165284.

FLAT ~ ~ CLASS P-10

SCL Nos 678150

2 3/8" x 5 1/2" SQUARE EDGE FLOORING
HT. OF SILL STEPS ABOVE RAIL 22"



A.A.R. MECH. DESIGNATION FM

1.	**GENERAL**		
2.	CAPACITY AREA 373.5 SQ.FT.	(50-TONS)	100,000 LBS.
3.	LIGHT WEIGHT		39,390 LBS.
4.	LOAD LIMIT		129,610 LBS.
5.	MAX. LOAD ON RAILS		169,000 LBS.
6.	**BODY**		
7.	UNDERFRAME		FABRICATED STEEL
8.	SUPERSTRUCTURE		NONE
9.	SHEATHING		NONE
10.	ENDS		STEEL CHANNEL END SILLS
11.	CARLINES		NONE
12.	ROOF		NONE
13.	RUNNING BOARDS		NONE
14.	DOORS		NONE
15.	DOOR FIXTURES		NONE
16.	DOOR OPENING, CLEAR		NONE
17.	**DRAFT GEAR**		
18.	TYPE		FARLOW-WESTINGHOUSE
19.	DRAFT ATTACHMENTS		HERCULES, 3-KEY & CHEEK PLATES
20.	COUPLERS		SHARON, 5"x7" SHANK
21.	COUPLER CENTERING DEVICE		NONE
22.	UNCOUPLING DEVICE		TOP OPERATED
23.	**BRAKES**		
24.	BRAKE SCHEDULE		WESTINGHOUSE AB
25.	BRAKE POWER	23,634 LBS.= 60% LT.WT. @ 50 LBS. BRAKE CYLINDER PRESSURE	
26.	TYPE BRAKES		INSIDE
27.	HAND BRAKES		"UNIVERSAL", DROP STAFF TYPE
28.	**TRUCKS**		
29.	TYPE		CAST STEEL, A.C.L. CLASS T-9-A
30.	SIDE BEARINGS		WINE No 38 RR., ROLLER TYPE
31.	DEAD LEVER FULCRUM		FORGED STEEL, FORG. No C33
32.	LATERAL MOTION DEVICE		NONE
33.	SNUBBER		NONE
34.	AXLES		A.A.R., 5 1/2" x 10" JOURNALS
35.	BRAKE BEAMS		A.R.A. No 2+
36.	BRAKE BEAM AUX. SUPPORT		"ECONOMY"
37.	**MISCELLANEOUS**		
38.			
39.			
40.			

CAST STEEL END POSTS & UNDERFRAME FURNISHED BY GEN. STEEL INDUSTRIES, THEIR DRWG. Z-31703.~ CARS ASSEMBLED & OUTSHOPPED 1962 BY WAYCROSS SHOPS.~ FILE 21.98.18

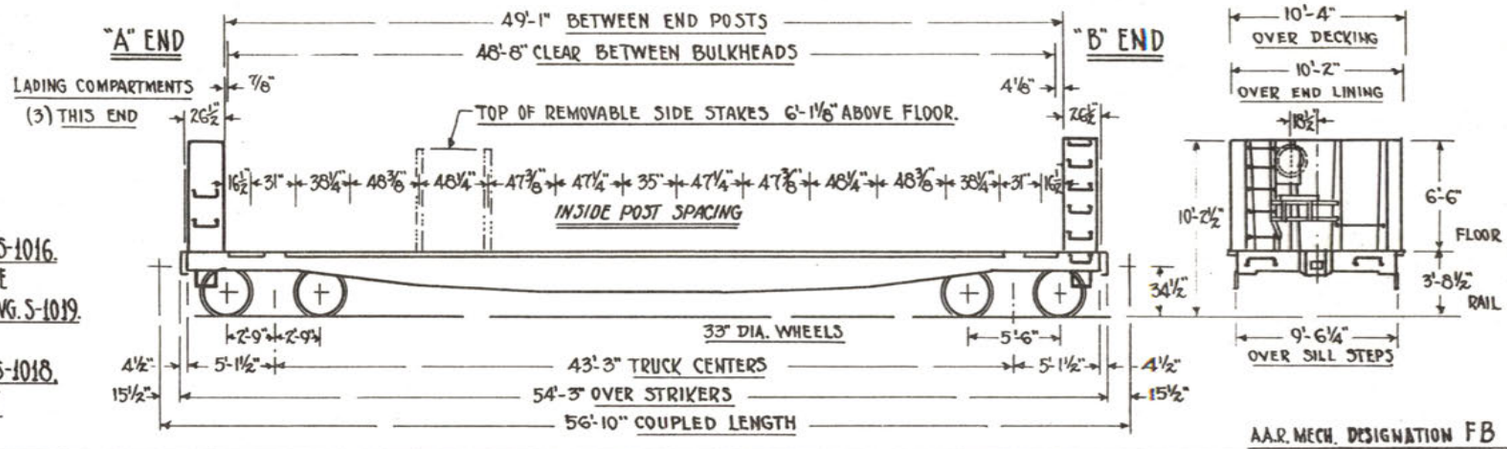
5-21-62 j wh

N-3

FLAT, BULKHEAD & REMOVABLE STAKES ~ CLASS P-19

SCL Nos 678300-678309

CONFORMS TO A.A.R. CLEARANCE LINE



FOR BRAKE & UNDERFRAME ARRANGEMENT SEE DRWG. No S-1016.
FOR STAKE ARRANGEMENT (INSIDE STAKES) & DETAILS SEE DRWG. S-1019.
FOR "A" END BULKHEAD ARRANGEMENT SEE DRWG. S-1018.
FOR FLOORING ARRANGEMENT SEE DRWG. No N-1152.

AAR. MECH. DESIGNATION FB

1.-**GENERAL**		
2. CAPACITY	AREA 495 SQ. FT. (50-TONS)	100,000 LBS.
3. LIGHT WEIGHT		68,600 LBS.
4. LOAD LIMIT		108,400 LBS.
5. MAX. LOAD ON RAILS		177,000 LBS.
6.-**BODY**		
7. UNDERFRAME		ONE PIECE CAST STEEL
8. END POSTS		CAST STEEL ~ 4 EACH END
9. FLOORING (DECKING)		3" PINE, A.C.L. TREATED
10. STAKE POCKET LADING ANCHORS		½" DIA. O.H.S., SHOPMADE (24)
11. FLOOR LADING ANCHORS		½" DIA. O.H.S., SHOPMADE (62)
12. SIDE STAKES	(REMOVABLE)	4" @ 5.4# CHANNELS, 28 PER CAR
13. FLOOR CLIPS		M.-F. STYLE G
14. BULKHEAD LINING-"B" END		2⅜" PINE
15. BULKHEAD LINING-"A" END		⅝" PLYWOOD
16. END BULKHEAD COMPARTMENT		THREE AT "A" END, TOTAL 67 CU. FT.
17. COMPARTMENT DOORS		⅝" PLYWOOD ON ¼" STEEL PLATE
18.-**DRAFT GEAR**		
19. TYPE		WAUGH 700 OR NATIONAL MF-400 A
20. DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE
21. COUPLER		6¼" × 8" RIGID SHANK, A.A.R. TYPE "E"
22. UNCOUPLING DEVICE		STANDARD COUPLER DEVICE, S.R.E.M. CO.
23.-**BRAKES**		
24. BRAKE SCHEDULE		WESTINGHOUSE AB-1012 WITH QRR VALVE
25. BRAKE POWER		34,960 LBS. = 50.8 % LT. WT. @ 50 # BRAKE CYLINDER PRESSURE
26. BRAKE (SLACK) ADJUSTER		MANUAL
27. HAND BRAKES		"AJAX", GEARED POWER TYPE
28.-**TRUCKS**		PEDESTAL FRAME, ROLLER BEARING, 2½" SPRING TRAVEL,
29.		BARBER S-2-A, A.C.L. CLASS **T-9-S-A**
30. SIDE BEARINGS		SINGLE ROLLER, A. STUCKI
31. LATERAL MOTION DEVICE		S-2-A
32. SNUBBER		S-2-A
33. AXLES		5½" × 10" ROLLER BEARING FREIGHT AXLES
34. BRAKE BEAMS		A.A.R. UNIT No 18
35. TRUCK LEVERS		SCHAEFER
36. JOURNAL BEARING		5½" × 10" SKF
37. JOURNAL BEARING LUBRICANT		A.A.R. ROLLER BEARING GREASE
38.-**MISCELLANEOUS**		
39. DEFECT CARD HOLDER		MOTOR WHEEL
40.		

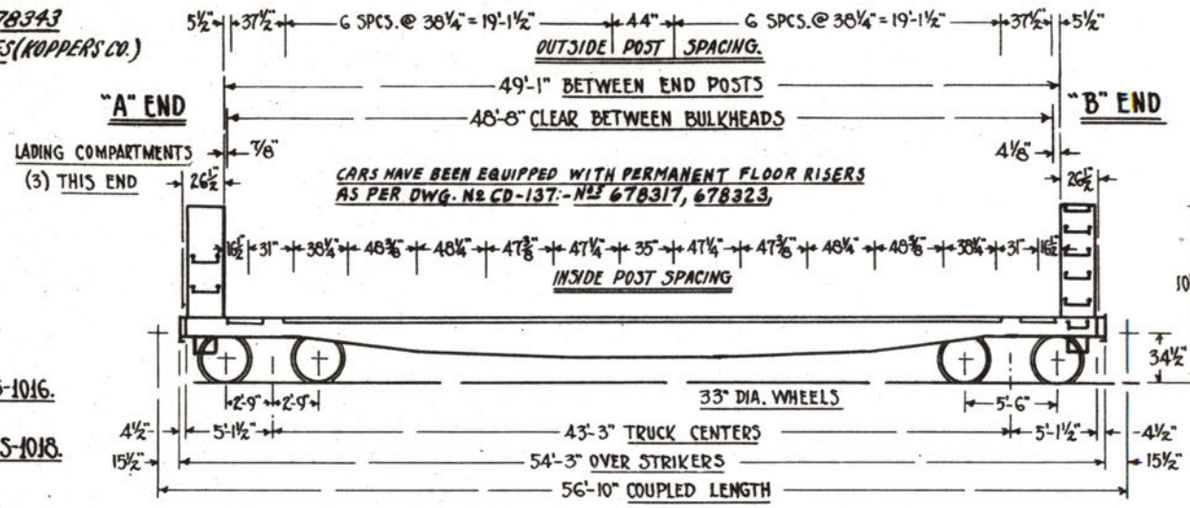
6-20-62 j.w.h

CAST STEEL END POSTS & UNDERFRAME FURNISHED BY GEN. STEEL INDUSTRIES, THEIR DRWG. Z-31703. ~ CARS ASSEMBLED & OUTSHOPPED 1962 BY WAYCROSS SHOPS. ~ FILE 21.98.18

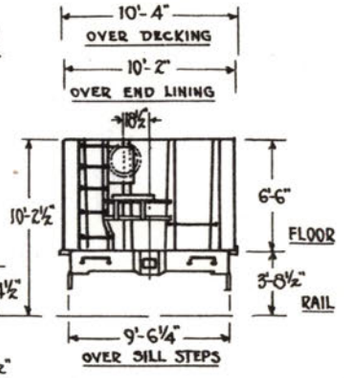
FLAT, BULKHEAD ~ ~ CLASS P-19

SCL Nos 678310-678349

CAR Nos. 678334, 678332, 678343 EQUIPPED FOR HANDLING POLES (KOPPERS CO.)



CONFORMS TO A.A.R. CLEARANCE LINE.



FOR BRAKE & UNDERFRAME ARRANGEMENT SEE DRWG. Nº S-1016.
FOR "A" END BULKHEAD ARRANGEMENT SEE DRWG. Nº S-1018.
FOR FLOORING ARRANGEMENT SEE DRWG. Nº N-1152.

A.A.R. MECH. DESIGNATION F B

1.- **GENERAL**		
2.	CAPACITY	AREA 495 SQ. FT. (50-TONS) 100,000 LBS.
3.	LIGHT WEIGHT	66,000 LBS.
4.	LOAD LIMIT	111,000 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.- **BODY**		
7.	UNDERFRAME	ONE PIECE CAST STEEL
8.	END POSTS	CAST STEEL ~ 4 EACH END
9.	FLOORING (DECKING)	3" PINE, A.C.L. TREATED
10.	STAKE POCKET LADING ANCHORS	½" DIA. O.H.S., SHOPMADE (24)
11.	FLOOR LADING ANCHORS	½" DIA. O.H.S., SHOPMADE (62)
12.	BULKHEAD LADING ANCHORS	NONE
13.	FLOOR CLIPS	M.-F. STYLE G
14.	BULKHEAD LINING-"B" END	2⅜" PINE
15.	BULKHEAD LINING-"A" END	⅝" PLYWOOD
16.	END BULKHEAD COMPARTMENT	THREE AT "A" END, TOTAL 67 CU. FT.
17.	COMPARTMENT DOORS	⅝" PLYWOOD ON ¼" STEEL PLATE
18.- **DRAFT GEAR**		
19.	TYPE	WAUGH 700 OR NATIONAL MF-400 A
20.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE
21.	COUPLER	6¼" x 8" RIGID SHANK, A.A.R. TYPE "E"
22.	UNCOUPLING DEVICE	STANDARD COUPLER DEVICE, S.R.E.M. CO.
23.- **BRAKES**		
24.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012 WITH QRR VALVE
25.	BRAKE POWER	34,960 LBS. = 52.9% LT. WT. @ 50# BRAKE CYLINDER PRESSURE
26.	BRAKE (SLACK) ADJUSTER	MANUAL
27.	HAND BRAKES	"AJAX", GEARED POWER TYPE
28.- **TRUCKS**		PEDESTAL FRAME, ROLLER BEARING, 2½" SPRING TRAVEL,
29.		BARBER S-2-A, A.C.L. CLASS **T-9-S-A**
30.	SIDE BEARINGS	SINGLE ROLLER, A. STUCKI
31.	LATERAL MOTION DEVICE	S-2-A
32.	SNUBBER	S-2-A
33.	AXLES	5½" x 10" ROLLER BEARING FREIGHT AXLES
34.	BRAKE BEAMS	A.A.R. UNIT Nº 18
35.	TRUCK LEVERS	SCHAEFER
36.	JOURNAL BEARING	BRENCO, SKF OR TIMKEN
37.	JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BEARING GREASE
38.- **MISCELLANEOUS**		
39.	DEFECT CARD HOLDER	MOTOR WHEEL
40.		

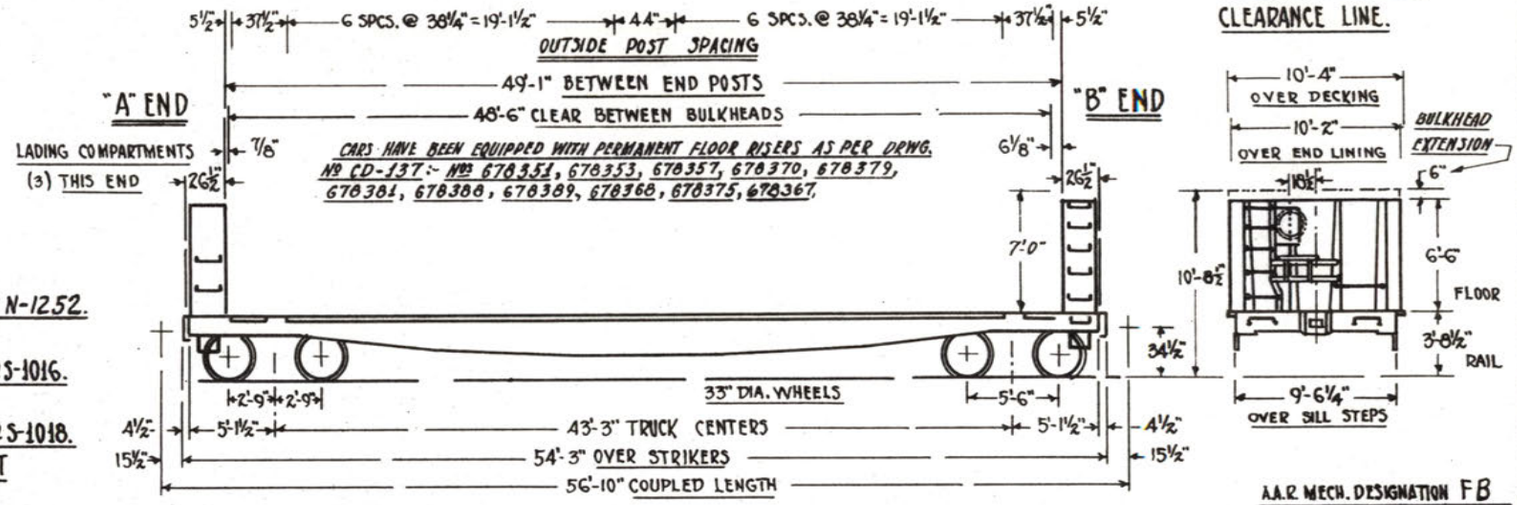
CAST STEEL END POSTS & UNDERFRAME FURNISHED BY GEN. STEEL INDUSTRIES, THEIR DRWG. Z-31703. ~ CARS ASSEMBLED & OUTSHOPPED 1962 BY WAYCROSS SHOPS. ~ FILE 21.98.18

5-22-62 jwh

FLAT, BULKHEAD ~ ~ CLASS P-19

SCL Nos 678350-678389

CONFORMS TO A.A.R. CLEARANCE LINE.



FOR APPL. OF 6" BULKHEAD EXTENSION SEE DWG. No N-1252.
FOR BRAKE & UNDERFRAME ARRANGEMENT SEE DWG. No S-1016.
FOR "A" END BULKHEAD ARRANGEMENT SEE DWG. No S-1018.
FOR FLOORING ARRANGEMENT SEE DWG. No N-1152.

A.A.R. MECH. DESIGNATION FB

1.- **GENERAL**			
2.	CAPACITY	AREA 495 SQ.FT. (50-TONS)	100,000 LBS.
3.	LIGHT WEIGHT		68,600 LBS.
4.	LOAD LIMIT		108,400 LBS.
5.	MAX. LOAD ON RAILS		177,000 LBS.
6.- **BODY**			
7.	UNDERFRAME		ONE PIECE CAST STEEL
8.	END POSTS		CAST STEEL ~ 4 EACH END
9.	FLOORING (DECKING)		3" PINE, A.C.L. TREATED
10.	STAKE POCKET LADING ANCHORS		½" DIA. O.H.S., SHOPMADE (24)
11.	FLOOR LADING ANCHORS		½" DIA. O.H.S., SHOPMADE (62)
12.	BULKHEAD LADING ANCHORS		NONE
13.	FLOOR CLIPS		M.-F. STYLE G
14.	BULKHEAD LINING ~ "B" END		1⅞" PINE
15.	BULKHEAD LINING ~ "A" END		⅝" PLYWOOD
16.	END BULKHEAD COMPARTMENT		THREE AT "A" END, TOTAL 67 CU. FT.
17.	COMPARTMENT DOORS		⅝" PLYWOOD ON ¼" STEEL PLATE
18.- **DRAFT GEAR**			
19.	TYPE		WAUGH 700
20.	DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE
21.	COUPLER		6¼" × 8" RIGID SHANK, A.A.R. TYPE "E"
22.	UNCOUPLING DEVICE		STANDARD COUPLER DEVICE, S.R.E.M. CO.
23.- **BRAKES**			
24.	BRAKE SCHEDULE		WESTINGHOUSE AB-1012 WITH QRR VALVE
25.	BRAKE POWER		WT. LT. @ 50# BRAKE CYLINDER PRESSURE
26.	BRAKE (SLACK) ADJUSTER		MANUAL
27.	HAND BRAKES		"AJAX", GEARED POWER TYPE
28.- **TRUCKS**			PEDESTAL FRAME, ROLLER BEARING, 2½" SPRING TRAVEL,
29.			BARBER S-2-A, CLASS **T-9-S-A**
30.	SIDE BEARINGS		SINGLE ROLLER, A. STUCKI
31.	LATERAL MOTION DEVICE		S-2-A
32.	SNUBBER		S-2-A
33.	AXLES		5½" × 10" ROLLER BEARING FREIGHT AXLES
34.	BRAKE BEAMS		A.A.R. UNIT No 18
35.	TRUCK LEVERS		SCHAEFER
36.	JOURNAL BEARING		HYATT OR TIMKEN
37.	JOURNAL BEARING LUBRICANT		A.A.R. ROLLER BEARING GREASE
38.- **MISCELLANEOUS**			
39.	DEFECT CARD HOLDER		MOTOR WHEEL
40.			

8-21-64 j.m.h

WEIGHT BOOK No 3

BUILT 1964 BY GENERAL STEEL INDUSTRIES, INC., GRANITE CITY, ILL.; P.A. ORDER 135-980, FILE 21.98.21

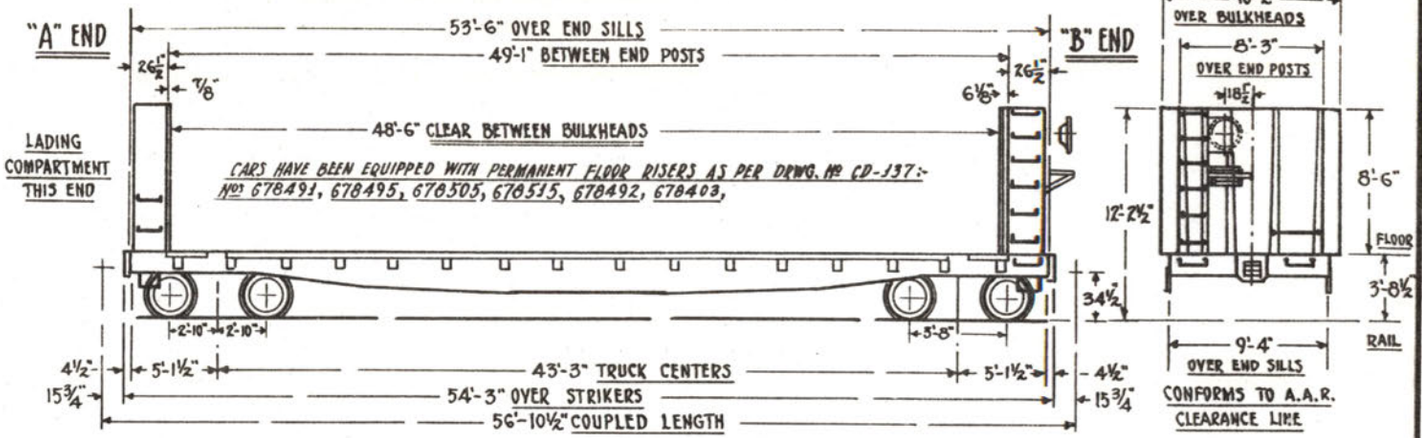
CENTER PLATE LUBRICATOR:- "GOLDEN GATE", I.R.E. CO.'S DRWG. No 2403.

WHEELS:- A.A.R. TYPE CJ-33, 33" DIA. ONE WEAR CAST STEEL.

STAKE POCKETS (32) HAVE 1/2" O.D. ROD LADING STRAP ANCHORS, OFFSET 1/4", WELDED TO CAR. G.S.I. DRWG. No 34022-8.

FLAT, BULKHEAD ~ ~ CLASS P-22

SCL Nos 678400-678524



FOR GENERAL ARRANGEMENT SEE GENERAL STEEL INDUSTRIES DRWG. No 32736.

BRAKE ARRANGEMENT, G.S.I. DRWG. No 32737; STENCILING ARRGT., G.S.I. DRWG. No 32739.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**	
2.	CAPACITY (70-TONS)	140,000 LBS.
3.	LIGHT WEIGHT	73,900 LBS.
4.	LOAD LIMIT	146,100 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	ONE-PIECE CAST STEEL; G.S.I., INC., DRWG. No Z-32526
8.	END POSTS	ONE-PIECE CAST STEEL, FOUR EACH END; G.S.I., INC., DRWG. No Z-31046
9.	BULKHEAD COMPARTMENT, "A" END ONLY	70 CU. FT. CAP.
10.	END LINING, "A" END	1/4" STEEL PLATE & 5/8" PLYWOOD FACING
11.	END LINING, "B" END	1 7/8" WOOD FACING, 1/4" STEEL PLATE & 4" ZEE SPACERS AT POSTS
12.	DECKING	3" THICK TREATED PINE D4S, 10'-4" LG.
13.	LADING ANCHORS (Nos 78400-78499, 100%)	(62) "WINE" PATT. No A-52, DRWG. No IJX-592
14.	LADING ANCHORS (Nos 78500-78524, 25%)	(62) "WINE" PATT. No A-52 & ANCHOR BARS
15.	BULKHEAD LADING ANCHORS	NONE
16.	DECKING FASTENERS	1/2" NELSON (WELDING) STUDS & WATERTIGHT SLOTTED NUTS
17.	STAKE POCKET LADING ANCHORS (32 PER CAR)	1/2" DIA. O.H.S. ROD, OFFSET 1/4", WELDED
18.	COMPARTMENT DOORS (HINGED)	5/8" PLYWOOD ON 1/4" STEEL PLATE
19.	BRAKE STEP	TYPE SRG-2200; APEX RAILWAY PRODUCTS
20.	**DRAFT GEAR**	
21.	TYPE	TYPE 700, WAUGH EQUIP. CO.; DRWG. No 4-G-7330
22.	COUPLER	TYPE "E" RIGID SHANK; B-E60A-HT; Mc CONWAY & TORLEY
23.	COUPLER WEAR PLATE	A.A.R. STD., CAST STEEL; B.S.C. CO., PATT. No C.S.-717
24.	COUPLER YOKE	B-Y40, GRADE "B" CAST STEEL, VERTICAL PLANE
25.	DRAFT KEY	A.A.R., 6" x 1 1/2"; PART No 115, BERWICK FORGE & FAB. CORP.
26.	DRAFT KEY RETAINER	AZEE 692-A; ILL. RWY. & EQUIP. CO.
27.	UNCOUPLING DEVICE	BOTTOM OPER'G.; STD. RWY. EQUIP'S DRWG. 1U-17600
28.	**BRAKES**	
29.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012; QRB VALVE
30.	FITTINGS	GRIPSEAL
31.	BRAKE PIPE COUPLINGS	3/8" & 1 1/4" "DRESSER"
32.	BRAKE POWER	BRAKING RATIO LT. CAR = 55.72%; RAIL LOAD LIMIT = 18.74%
33.	BRAKE ADJUSTER	MANUAL
34.	HAND BRAKES	"AJAX", POWER GEARED TYPE, VERTICAL WHEEL
35.	**TRUCKS**	
36.	TYPE	2 1/2" SPRING TRAVEL, BARBER S-2-A; A.C.L. CLASS T-10-K
37.	SIDE BEARINGS	SINGLE ROLLER, STUCKI 656-C & STUCKI BODY WEAR PLATE 782
38.	BRAKE SHOES	A.A.R. ALT. STD. 1 1/2" UNFLANGED SHOE; A.B.S. CO.
39.	BRAKE SHOE KEYS	SPRING TYPE KEY; A.B.S. CO.
40.	SNUBBER	BARBER S-2-A
41.	AXLES	AXLE CLASS "E", 6" x 11" A.A.R. STD., ROLLER BEARING; A.A.R. PLATE D-6-D
42.	JOURNAL BEARINGS	
43.	PEDESTAL ADAPTERS	CLASS E (6" x 11"); NATIONAL CASTINGS CO.
44.	BRAKE BEAMS	A.A.R. 18, "CRECO"
45.	UNIT WEAR PLATES	TYPE SC; UNIT TRUCK CORP.
46.	SPRINGS (EACH TRUCK)	14 OUTER COILS, 2 INNER COILS & 4 SIDE COILS
47.	**MISCELLANEOUS**	
48.	DEFECT CARD HOLDER	"CHEEPER" ~ WESTERN RWY. EQUIP. CO.
49.	ANGLE COCK HOLDER	FABRICATED, G.S.I. DRWG. No 34008-5
50.	TRUCK LEVERS & CONNECTIONS	SCHAEFER EQUIPMENT CO.

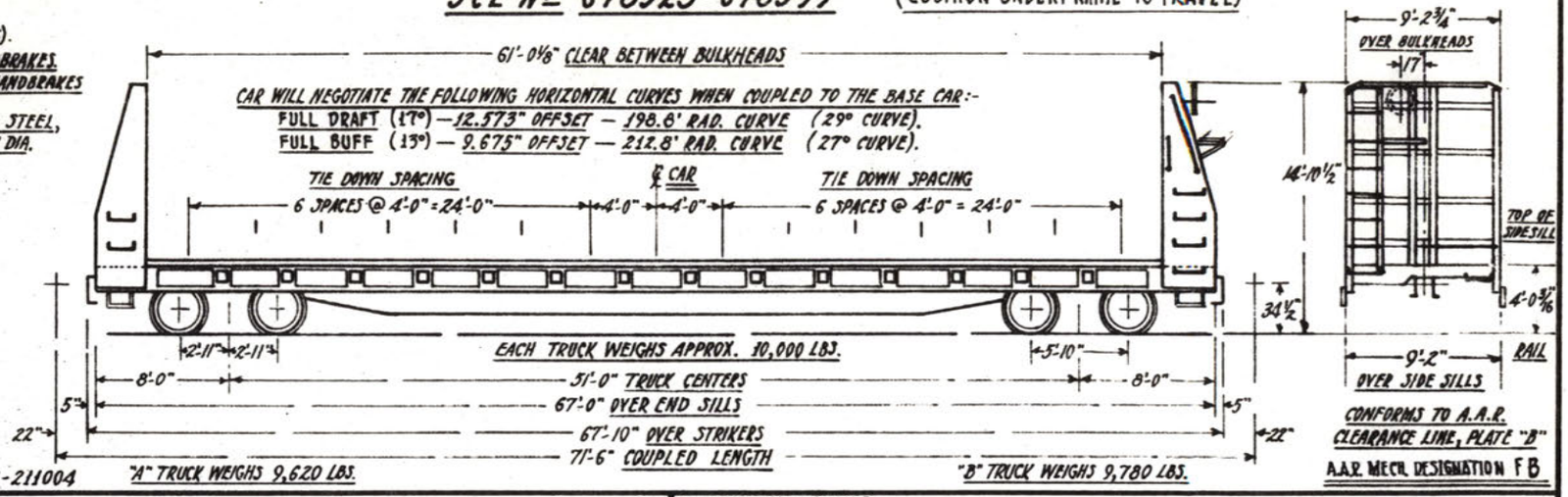
75 CARS BUILT 1965 BY EVANS PRODUCTS CO., PLYMOUTH, MICH. ~ P.A. ORDER 136-647 ~ A.C.L. SPEC. Nº 1037 ~ FILE 21.98.3.6

FLAT, BULKHEAD ~ ~ CLASS P-23

SCL Nos 678525-678599 (CUSHION UNDERFRAME-10" TRAVEL)

ATRX HANDBRAKES ON Nos 678525-678549 (25 CARS).
25 CARS WITH KLASING HANDBRAKES.
25 CARS WITH UNIVERSAL HANDBRAKES

WHEELS: 1-WEAR ROLLED STEEL, A.A.R. H-36, 36" DIA.



GEN'L. ARRGT. DRWG. Nº FC-211004

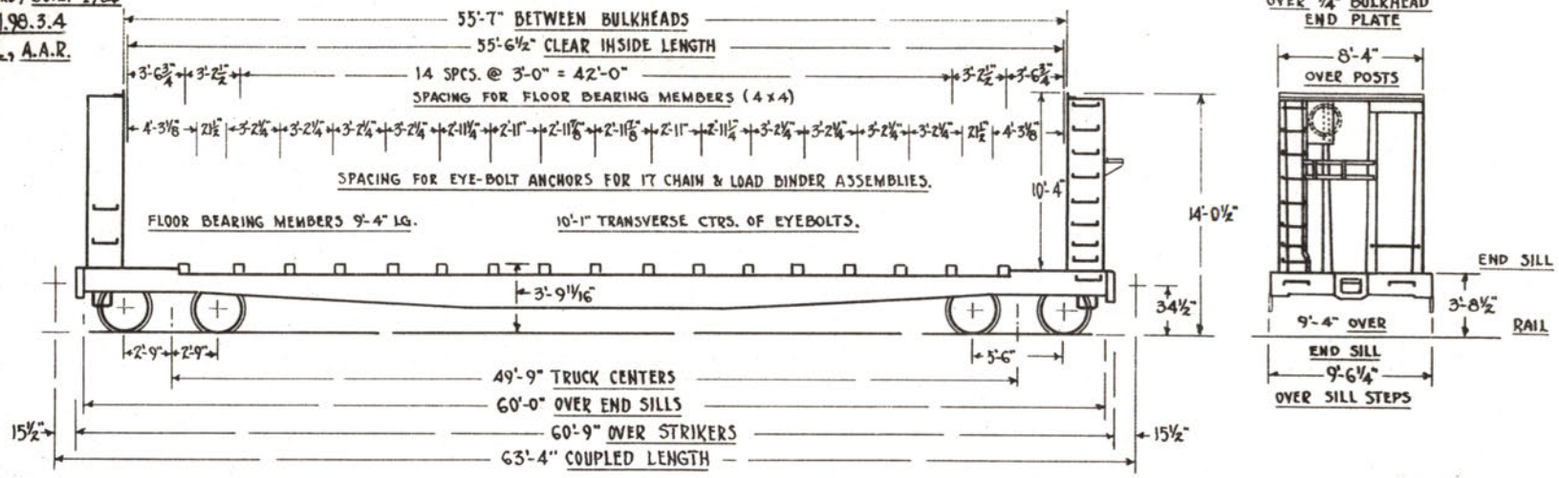
1.-GENERAL		
2.	CAPACITY	90-TONS 180,000 LBS.
3.	LIGHTWEIGHT	78,000 LBS.
4.	LOAD LIMIT	185,000 LBS.
5.	MAX. LOAD ON RAIL	263,000 LBS.
6.-BODY		
7.	CENTER SILL	TWO 33" WF BEAMS @ 118# LAHT
8.	CENTER SILL TOP & BOTTOM COVER PLATES	¾" x 16" LAHT PLATE
9.	SIDE SILLS	18" @ 42.7# CHANNELS; EXTENDING BETWEEN END SILLS
10.	END SILLS	FABRICATED & FORMED FROM ⅜" O.H. PLATE
11.	BOLSTER	BUILT-UP WELDED CONSTRUCTION WITH ½" WEB PLATES
12.	BOLSTER TOP COVER PLATE	½" THICK x 40" x 9'-0" LG.
13.	BOLSTER BOTTOM COVER PLATE	½" THICK x 21" x APPROX. 9'-0" LG.
14.	CENTER PLATE	CAST STEEL; TRANSDUSTRIAL SALES CO.
15.	LUBRICATION	MOLYBDENUM DISULPHIDE POWDER IN VARSOL; 50/50 BY WEIGHT
16.	CROSSBEARERS (10 PER CAR)	6" x ⅜" A-441 STEEL TOP & BOTTOM COVER PLATES & ⅜" WEB PLATE
17.	CROSSTIES (20 PER CAR)	12" O.H. CHANNEL @ 20.7 #
18.	FLOOR BEAMS (4 PER CAR)	4" O.H. ZEE @ 12.5 #
19.	FLOOR STRINGERS (6 PER CAR)	3" I-BEAMS @ 7.5 #
20.	STAKE POCKETS (28 PER CAR)	⅜" ROUND EDGE PLATE; INSIDE OPENING 4" x 5"
21.	BODY SIDE BEARINGS	A. STUCKI CO. DRWG. Nº 791, LINE 1
22.	FLOORING	3/16" O.H. FLAT STEEL PLATE
23.	LOAD BEARING MEMBERS	15 PER CAR, FORMED U-SECTION, 3/16" PLATE x 6" HIGH x 4" WIDE (50 CARS)
24.	CHAIN TIE DOWNS	(⅜" ALLOY CHAIN) 15 SETS PER CAR; S.C.L. DRWG. CC-113
25.	INTERMEDIATE BULKHEAD POSTS	8" WF BEAMS @ 17.#
26.	CORNER BULKHEAD POSTS	⅜" O.H. FORMED PLATE
27.	BULKHEAD LATERAL STIFFENERS	6" CBJ-A-441 STEEL
28.	BULKHEAD SHEATHING	3/16" EX-TEN STEEL
29.	END & SIDE LADDERS	FORGED GRAB IRONS; GREENVILLE STEEL CAR CO.
30.	BRAKE STEP	APEX METAL BRAKE STEP, TYPE S (SRG-1011-18)
31.-DRAFT GEAR		
32.	TYPE	FREIGHTMASTER; 10" FOR TYPE "F"; "E" HEAD COUPLER; HALLIBURTON CO.
33.	COUPLER YOKE	SELF-CONTAINED ~ NO YOKE REQUIRED
34.	COUPLER	TYPE "E" WITH TYPE "F" SHANK; Nº B-E4942C-HT
35.	COUPLER RELEASE RIGGING	STAND. RWY. EQUIP. CO. DRWG. Nº IU-19938-A
36.-BRAKES		
37.	BRAKE SCHEDULE	WESTINGHOUSE "WABCO-PAC"
38.	FITTINGS	GRIPSEAL
39.	BRAKE POWER	18-22% OF GROSS RAIL LOAD AT 50# CYLINDER PRESSURE
40.	BRAKE REGULATOR	NONE
41.	TRAINLINE FITTINGS	"DRESSER"
42.	HAND BRAKES	POWER GEARED TYPE, VERTICAL WHEEL
43.		
44.-TRUCKS		
45.	TYPE	BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE, CLASS **T-90-E**
46.	SIDE BEARINGS	A. STUCKI CO., DRWG. Nº 688-B
47.	SNUBBER	S-2-A
48.	BRAKE SHOES	COMPOSITION
49.	BRAKE SHOE KEY	WESTINGHOUSE
50.	PEDESTAL ADAPTERS	AMERICAN BRAKE SHOE CO.; DRWG. Nº AM-45125-B
51.	AXLES	6½" x 12" ROLLER BEARING, A.A.R. SPEC. M-126-64, D-11-F; RAISED WHEEL SEATS
52.	BRAKE BEAMS	NONE; WABCOPAC
53.	JOURNAL BEARINGS	6½" x 12" ROLLER BEARING, TIMKEN
54.	TRUCK SPRINGS	2½" TRAVEL, 28 OUTER, 20 INNER
55.	TRUCK BOTTOM ROD CONN.	NONE
56.	TRUCK BRAKE LEVERS	NONE
57.-MISCELLANEOUS		
58.	DEFECT CARD HOLDER	MOTOR WHEEL CORP. DRWG. Nº 2953
59.	DRAFT KEY RETAINER	EVANS PRODUCTS; FABRICATED FOR FREIGHTMASTER
60.	ANGLE COCK HOLDER	RAILWAY DEVICES CO.

FLAT, BULKHEAD ~ ~ CLASS P-20

SCL Nos 678900-678934

Nos 678900-678909 (10 CARS) BUILT 1963 AT WAYCROSS SHOPS ~ FILE 21.98.3.2
WHEELS:- MULTIPLE WEAR, A.A.R. CLASS R-33.

Nos 678910-678934 (25 CARS) BUILT 1964 AT WAYCROSS SHOPS ~ FILE 21.98.3.4
WHEELS:- 1-W CAST STEEL, A.A.R. CLASS CJ-33.



SEE DRWG. No S-1038 FOR GENERAL ARRANGEMENT.
SEE DRWG. No S-1032 FOR BRAKE & UNDERFRAME ARRGT.

WEIGHT OF TRUCKS (2) = 18,600 LBS.

A.A.R. MECH. DESIGNATION FB

1.	**GENERAL**	
2.	CAPACITY (70-TONS)	140,000 LBS.
3.	LIGHT WEIGHT	78,500 LBS.
4.	LOAD LIMIT	141,500 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	ONE PIECE CAST STEEL
8.	ENDS (EACH END)	¼" STL. PLATE AGAINST 4 CAST STEEL END POSTS
9.	SUPERSTRUCTURE	(EXCEPT ENDS) NONE
10.	SIDE & END SILLS	CAST STEEL
11.	SIDE STAKES	NONE ~ EQUIPPED WITH STAKE POCKETS
12.	FLOOR	4" x 4" TIMBERS & 3/16" STEEL PLATE
13.	LOAD BINDERS	CROSBY-LAUGHLIN No L-140 R-A, RATCHET TYPE
14.	LOAD TIE CHAINS	S.C.L. DRG. CC-113
15.	CHAIN ANCHORS	1⅛" EYE BOLTS
16.	CHAIN CONTAINERS (STORAGE)	FLOOR POCKETS AT CENTER OF CAR
17.	BRAKE STEP	APEX TYPE S
18.	**DRAFT GEAR**	
19.	TYPE	Nos 678910-678934, WAUGH 700; Nos 678900-678909, MINER RF-361
20.	ATTACHMENTS	VERTICAL CAST STEEL YOKE
21.	COUPLER	TYPE E, A.A.R. B-E60-A HT
22.	UNCOUPLING DEVICE	BOTTOM OPERATING, STD. RWY. EQUIP. CO.
23.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012 WITH "CACO" CYLINDER RELEASE VALVE
25.	BRAKE POWER	39,648 LBS. = 18.02% MAX. RAIL LOAD
26.	BRAKE ADJUSTER	MANUAL
27.	HAND BRAKES	AJAX No 5, VERTICAL WHEEL
28.	**TRUCKS** ~ 2½" SPRING TRAVEL.	
29.	TYPE	NATIONAL C-1, CLASS **T-10-J**; BARBER S-2-A, CLASS **T-10-K**
30.	SIDE BEARINGS	ROLLER TYPE, A. STUCKI CO.
31.	TRUCK LEVERS	SCHAEFER
32.	LATERAL MOTION DEVICE	Nos 678910-678934, C-1; Nos 678900-678909, S-2-A
33.	SNUBBER	Nos 678910-678934, C-1; Nos 678900-678909, S-2-A
34.	AXLES	6 x 11 ALT. STD. ROLLER BEARING, D-6-D
35.	BRAKE BEAMS	UNIT
36.	JOURNAL BEARINGS	6"x11"; Nos 678910-678934, BRENCO; Nos 678900-678909, SKF EXPEDITER
37.	**MISCELLANEOUS**	
38.	JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BEARING GREASE
39.	DEFECT CARD HOLDER	MOTOR WHEEL
40.		

2-17-61
j w h

No 3

BUILT 1957 AT A.C.L.
WAYCROSS SHOPS.

FLAT ~ ~ CLASS P-17

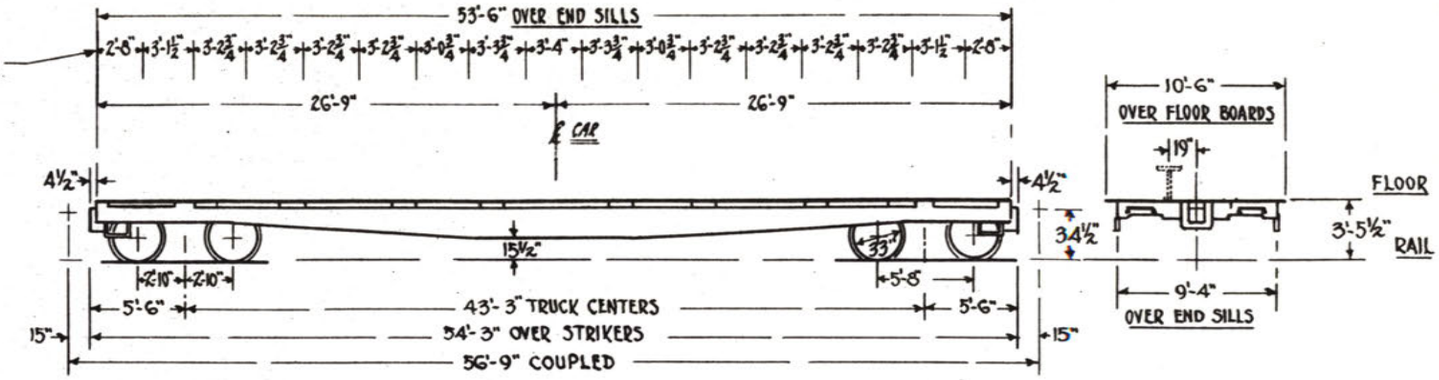
SCL № 679099

MODIFIED AT WAYCROSS SHOPS AND RELEASED FOR SERVICE 7-9-1963 ~ FILE 21.82.14

MODIFIED TO HANDLE RADIOACTIVE MATERIAL FOR THE SWEDISH GOVERNMENT AS SHOWN ON A.C.L. DRWG. № S-1048, MAY 28, 1963.

CRADLE AND TIE DOWN ARRGT. REMOVED ~ CAR RETURNED TO GENERAL SERVICE

3" THICK × 5¾" × 10'-6" LG., S.E., OAK FLOOR



SEE DRWG. № S-830 FOR GENERAL ARRANGEMENT.

A.A.R. MECH. DESIGNATION FM

1.- **GENERAL**		21. COUPLER CENTERING DEVICE	NONE
2. CAPACITY	AREA 561 SQ. FT. (77-TONS) 154,000 LBS.	22. UNCOUPLING DEVICE	"STANDARD" COUPLER DEVICE
3. LIGHT WEIGHT	64,700 LBS.	23.- **BRAKES**	
4. LOAD LIMIT	155,300 LBS.	24. BRAKE SCHEDULE	WESTINGHOUSE "AB"
5. MAX. LOAD ON RAILS	220,000 LBS.	25. BRAKE POWER	40,480 LBS. = 18.3% MAX. RAIL LOAD
6.- **BODY**		26. TYPE BRAKES	INSIDE
7. UNDERFRAME	CAST STEEL	27. HAND BRAKES	"UNIVERSAL" ~ DROP STAFF TYPE
8. LADING ANCHORS	30 PER CAR, "AZEE"	28.- **TRUCKS**	
9.		29. TYPE	A.S.F. A-3 RIDE CONTROL; A.C.L. CLASS T-10-G
10.		30. SIDE BEARINGS	ROLLER TYPE; A. STUCKI CO.
11.		31. BRAKE SHOE KEY	"LOCKEY", A.B.S. CO.
12.		32. LATERAL MOTION DEVICE	A-3 RIDE CONTROL
13.		33. SNUBBERS	A-3 RIDE CONTROL
14.		34. AXLES	6×11 FREIGHT ROLLER BEARING
15.		35. BRAKE BEAMS	A.A.R. № 18 UNIT
16.		36. ROLLER BEARINGS	TIMKEN AP 6 × 11
17.- **DRAFT GEAR**		37. JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BRG. GREASE
18. TYPE	WAUGH TYPE 700	38. WHEELS	A.A.R. D-33, MULTIPLE WEAR
19. DRAFT ATTACHMENTS	A.A.R., CAST STEEL YOKE	39.- **MISCELLANEOUS**	
20. COUPLER	6¼" × 8" RIGID SHANK, A.A.R. TYPE "E"	40.	

CARS ORIG. BUILT 1961 BY THRALL CAR MFG. CO., FOR COILED TIN PLATE SERVICE UNDER A.F.E. Nº 24605.~ CONVERTED TO FLAT CARS (8) FEBRUARY 1965 AS PER A.F.E. Nº 26,730 ~ FILE 21.82.9

4-7-65 j.w.h.

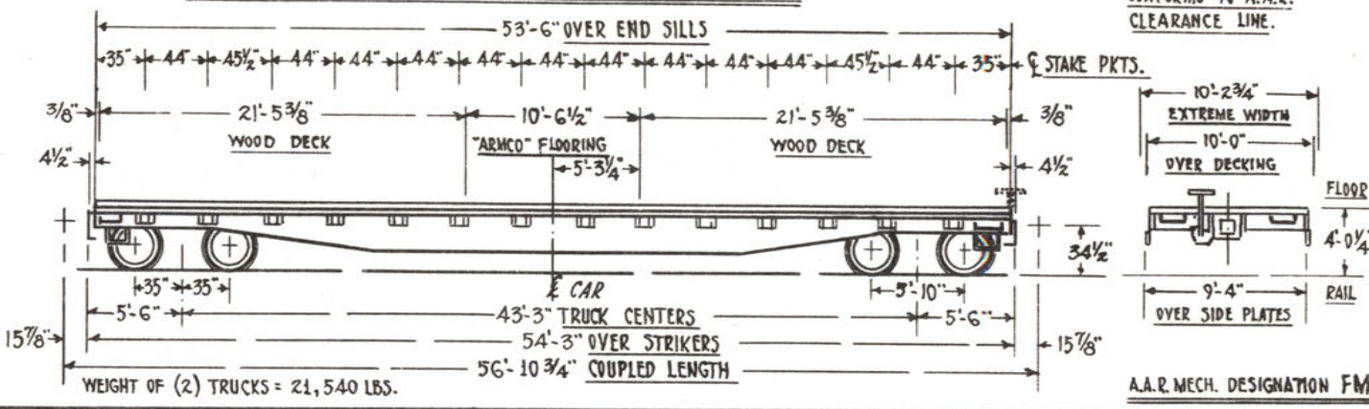
FLAT ~ ~ CLASS P-18

SCL Nºs 679200-679219

WHEELS:- 36" DIA., CLASS B-16, MULTIPLE WEAR.

SEE DRWG. Nº S-1120 FOR CONVERSION TO GENERAL SERVICE FLAT CAR

CONFORMS TO A.A.R. CLEARANCE LINE.



SEE DRWG. Nº Q-650 FOR TRUCK ARRANGEMENT.

WEIGHT OF (2) TRUCKS = 21,540 LBS.

A.A.R. MECH. DESIGNATION FM

1.- **GENERAL**		
2.	CAPACITY 90-TONS	180,000 LBS.
3.	LIGHT WEIGHT	69,400 LBS.
4.	LOAD LIMIT	193,600 LBS.
5.	MAX. LOAD ON RAILS	263,000 LBS.
6.- **BODY**		
7.	UNDERFRAME	FABRICATED STEEL, FISH BELLY DESIGN
8.	CENTER SILL	TWO (2) H.T.L.A. Nº 301 SECTION @ 132# PER FOOT
9.	CENTER SILL TOP COVER PLATE	¾" x 13" H.T.L.A. STEEL
10.	SIDE SILL	⅜" WEB PLATES WITH 8" x 6" x ⅝" ANGLE TOP & BOTTOM CHORDS
11.	END SILL	12" STEEL CHANNELS @ 20.7#
12.	BOLSTERS	TWO (2) DIAPHRAGMS EACH BOLSTER SECTION, EACH ⅝" PLATES
13.	BOLSTER TOP COVER PLATE	40" x ½" STEEL PLATE
14.	BOLSTER BOTTOM COVER PLATE	21" x ½" STEEL PLATE
15.	CROSS BEARERS	6 PER CAR, BUILT-UP WELDED CONSTRUCTION, ⅜" WEB PLATE
16.	MAIN FLOOR BEAMS	12 PER CAR, 12" CHANNEL @ 20.7#
17.	FLOORING	3" OAK DECKING & "ARMCO" SECTIONS
18.	FLOOR STRINGERS	TOTAL 4, 8" H-BEAM SECTION @ 13.# ; WHEEL TO WHEEL
19.	FLOOR STRINGERS	TOTAL 4, 4" I-BEAM @ 7.7#; WHEEL TO END SILL
20.	LADING BAND ANCHORS	26 PER CAR; "AZEE" PART Nº 3495-A
21.	STAKE POCKETS	⅜" PRESSED STEEL ~ 28 PER CAR
22.	STAKE POCKET HOLD DOWN CLIPS	½" DIA.; 28 PER CAR; DRWG. K-2300
23.- **DRAFT GEAR**		
24.	TYPE	NATIONAL-MALLEABLE, MF-400
25.	COUPLER YOKE	VERTICAL CAST STEEL; TYPE Y-40; 24⅝" POCKET
26.	COUPLER	A.S.F. TYPE E-60, BOTTOM OPERATED
27.	UNCOUPLING DEVICE	BOTTOM OPERATING; STAND. RWY. EQUIP. CO.
28.- **BRAKES**		
29.	SCHEDULE	WESTINGHOUSE AB-1210 WITH QRR VALVE
30.	BRAKING POWER	47,700 LBS. = 18.1% MAX. RAIL LOAD
31	BRAKE CYLINDER	WESTINGHOUSE 12" x 10", TYPE "UAT"
32.	SLACK ADJUSTER	AUTOMATIC, WESTINGHOUSE D-111
33.	HAND BRAKES	HORIZ. WHEEL, DROP STAFF TYPE; UNIVERSAL RAILWAY DEVICES
34.- **TRUCKS**		
35.	TYPE	A.S.F. TYPE A-3, 2½" SPRING TRAVEL; CLASS **T-90-B**
36.	SIDE BEARING	DOUBLE ROLLER TYPE; A. STUCKI CO.
37.	LATERAL MOTION DEVICE & SNUBBER	A-3
38.	TRUCK SPRINGS	2½" TRAVEL; ALCO PRODUCTS CO.
39.	AXLES	6½" x 12" ROLLER BEARING FREIGHT AXLE; A.A.R. STD.
40.	BRAKE BEAMS	A.A.R. Nº 24 UNIT; "CRECO"
41.	BRAKE SHOES	A.A.R. 1-A
42.	TRUCK LEVERS & BOTTOM RODS	SCHAEFER EQUIPMENT CO.
43.	JOURNAL BEARINGS	6½" x 12" TIMKEN "AP" ROLLER BEARINGS
44.	ROLLER BEARING ADAPTERS	NATIONAL
45.- **MISCELLANEOUS**		
46.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
47.	COUPLINGS, PIPE	1¼ & ⅜"; WABCO
48.	DRAFT KEY RETAINERS	"SURE-LOX"; WESTERN RWY. EQUIP. CO.
49.	CENTER PLATE	DROP FORGED 14"; PITTSBURGH FORGINGS CO.
50.	STRIKERS	CAST STEEL, PATT. S-77; ALLIED STEEL CASTINGS

R. HT
OOK Nº 3

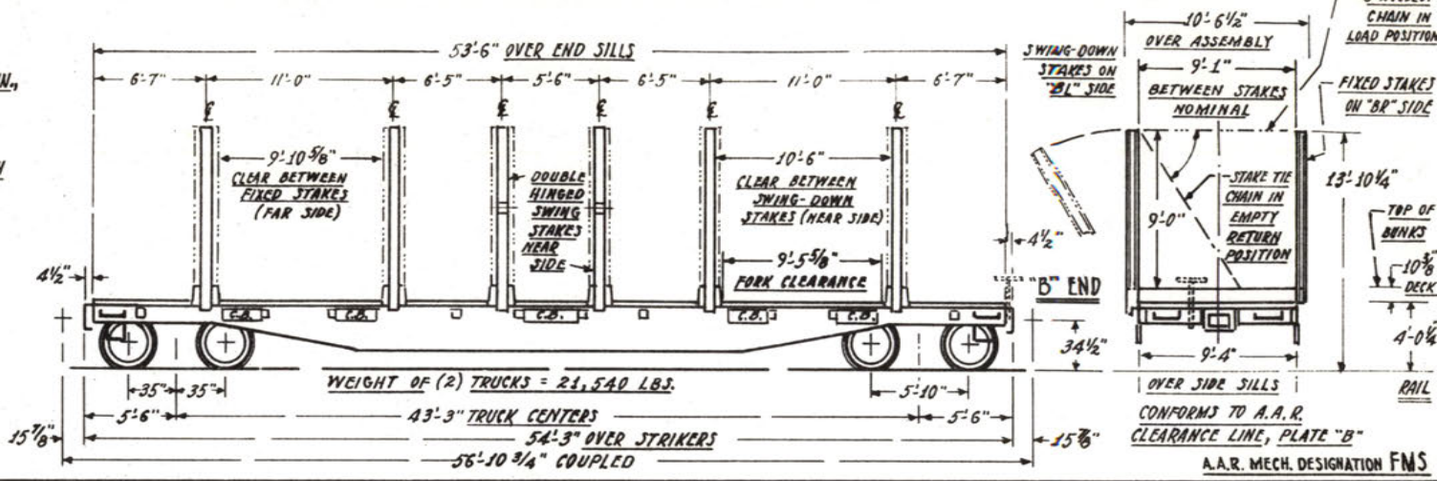
2-4-70 jwh

SEE PAGE 101 FOR FLAT CARS, SERIES SCL Nos 679200-679219.~ 6 CARS EQUIPPED (1969-70) FOR LOG SERVICE BY A.F.E. Nº 12,078-EQ. ~ FILE 21.17.3

FLAT, LOG SERVICE ~ SCL Nos 679200, 679201, 679204, 679208, 679211, 679213 ~ CLASS P-18

WHEELS:- 36" DIA., CLASS B-16, M-W.

CHAINS:- 5/8" OPERATING CHAIN 6'-11 1/16" MIN., ATTACHMENT TO COUPLING.
3/8" STAKE TIE CHAIN 8'-8 3/16" MIN., ATTACHMENT TO COUPLER.
3/8" LOAD CHAIN 28'-9" LONG, TO WINCH CHAIN GRAB HOOK. CF-116



FREIGHT BOOK Nº 3

1.	**GENERAL**	
2.	CAPACITY (94-TONS)	188,000 LBS.
3.	LIGHT WEIGHT	74,500 LBS.
4.	LOAD LIMIT	188,500 LBS.
5.	MAX. LOAD ON RAILS	263,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL, FISH BELLY DESIGN
8.	CENTER SILL	TWO (2) H.T.L.A. Nº 301 SECTION @ 132# PER FOOT
9.	CTR. SILL TOP COVER PLATE	3/4" x 13" H.T.L.A. STEEL
10.	STRIKER	CAST STEEL; PATT. S-77, ALLIED STEEL CASTINGS
11.	END SILL	12" STEEL CHANNELS @ 20.7#
12.	SIDE SILL	3/8" WEB PLATES WITH 8" x 6" x 5/8" ANGLE TOP & BOTTOM CHORDS
13.	BOLSTER WEBS	5/8" STEEL PLATES
14.	BOLSTER TOP COVER PLATE	40" x 1/2" STEEL PLATE
15.	BOLSTER BOTTOM COVER PLATE	21" x 1/2" STEEL PLATE
16.	BODY CENTER PLATE	DROP FORGED, 13 3/4 DIA.; PITTSBURGH FORGINGS CO.
17.	CROSS BEARERS	6 PER CAR, BUILT-UP WELDED CONSTRUCTION, 3/8" WEB PLATE
18.	MAIN FLOOR BEAMS	12 PER CAR, 12" CHANNEL @ 20.7#
19.	FLOORING	3" OAK DECKING & "ARMCO" SECTIONS ~ (REMOVED AT BUNKS)
20.	FLOOR STRINGERS	TOTAL 4, 8" H-BEAM SECTION @ 13.#; WHEEL TO WHEEL
21.	FLOOR STRINGERS	TOTAL 4, 4" I-BEAM @ 7.7#; WHEEL TO END SILL
22.	LADING BAND ANCHORS	26 PER CAR; "AZEE" PART Nº 3495-A
23.	STAKE POCKETS	3/8" PRESSED STEEL ~ 28 PER CAR
24.	STAKE POCKET HOLD DOWN CLIPS	1/2" DIA., 28 PER CAR; DRWG. Nº K-2300
25.	BUNKS (6 PER CAR)	EACH FABRICATED OF TWO 10" CHANNELS
26.		@ 15.3#, TIE PLATES & ANGLES (WELDED) ~ HOUSES CHAIN ARRGT. FOR OPERATING SIDE STAKES
27.	CHAINS	(SEE ABOVE) ~ 3/8" & 5/8" ACCOLOY
28.	CHAIN BOXES (5 PER CAR, BL SIDE)	1/4" PLATE, WELDED; TOP EDGES SLOTTED FOR CHAIN
29.	WINCHES (5 PER CAR, BR SIDE)	HELIX WINCH BINDER ASSEMBLY WITH 19 3/8" LENGTH OF
30.		3/8" ACCOLOY CHAIN, COUPLING LINK & GRAB HOOK FOR 3/8" ACCOLOY CHAIN ~ (A.S.&C.CO.'S DRWG. YK-9960-F)
31.	SIDESTAKES, FIXED (6 ON BR SIDE)	EACH TWO 6" CHANS. @ 10.5#, FABRICATED
32.	SIDESTAKES, SWING-DOWN (4 ON BL SIDE)	6" WF BEAM @ 25.0#, FABRICATED
33.	SIDESTAKES, (2 ON BL SIDE)	AT CENTER OF CAR, SWING-DOWN, DOUBLE HINGED;
34.		6" WF BEAM @ 25.0#, FABRICATED; DRWG. Nº CD-100-A
35.	SIDESTAKE HINGE PIN	1 1/2" DIA. x 11 3/4" LG.
36.	CHAIN ANCHOR PIN	2 1/2" DIA. x 12 3/4" LG.
37.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
38.	DRAFT KEY RETAINER	"SURE-LOX"; WESTERN RWY. EQUIP. CO.
39.	**DRAFT GEAR**	
40.	TYPE	NATIONAL-MALLEABLE, MF-400
41.	COUPLER YOKE	STD. VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº Y-40
42.	COUPLER	A.A.R. TYPE "E", CAST STEEL, GRADE "B"; 6 1/4" x 8" x 21 1/4" SHANK; CAT. Nº E-60
43.	UNCOUPLING DEVICE	BOTTOM OPERATING; STAND. RWY. EQUIP. CO.
44.	**BRAKES**	
45.	SCHEDULE	WESTINGHOUSE AB-1210 WITH QRR VALVE
46.	BRAKING POWER	18.1% OF MAX. RAIL LOAD AT 50# CYLD. PRESSURE
47.	BRAKE CYLINDER	WESTINGHOUSE 12" x 10", TYPE "UAT"
48.	SLACK ADJUSTER	AUTOMATIC, WESTINGHOUSE D-111
49.	HAND BRAKES	HORIZONTAL WHEEL, DROP STAFF TYPE; UNIVERSAL RAILWAY DEVICES
50.	**TRUCKS**	
51.	TYPE	A.S.F. TYPE A-3, 2 1/2" SPRING TRAVEL; CLASS **T-90-B** (DRWG. Nº Q-650)
52.	SIDE BEARING	DOUBLE ROLLER TYPE; A. STUCKI CO.'S DRWG. Nº 688-B
53.	SNUBBER	A-3 RIDE CONTROL
54.	TRUCK SPRINGS	2 1/2" TRAVEL; 28 OUTER, 28 INNER & 8 DOUBLE COIL RIDE CONTROL
55.	AXLES	6 1/2" x 12" ROLLER BEARING FREIGHT AXLE; A.A.R. STD.
56.	BRAKE BEAMS	A.A.R. Nº 24 UNIT; "CRECO"
57.	BRAKE SHOES	A.A.R. 1-A
58.	TRUCK LEVERS & BOTTOM CONN.	SCHAEFER EQUIPMENT CO.
59.	JOURNAL BEARINGS	6 1/2" x 12" TIMKEN "AP" ROLLER BEARINGS
60.	ROLLER BEARING ADAPTERS	NATIONAL

1-10-64 j.w.h.

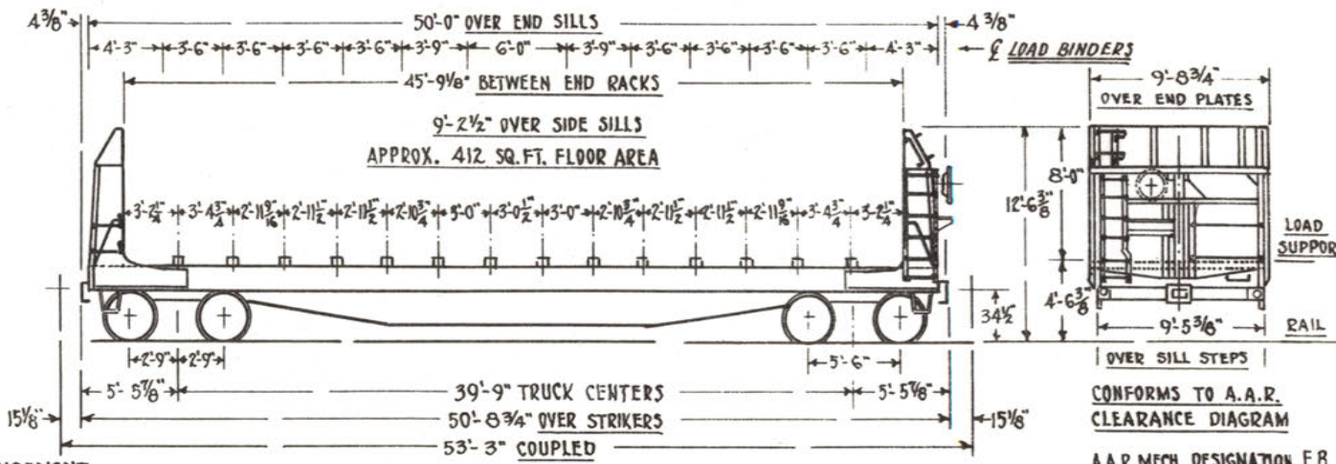
ORIG. BUILT 1956 AT WAYCROSS SHOPS AS CLASS W-4 PULPWOOD CARS ~ FILE 21.66.3 ~ CONVERTED 1963-64 TO PACKAGED LUMBER (25) CARS AT WAYCROSS SHOPS. SEE FILE 21.98.3.5

FLAT, PACKAGED LUMBER ~ CLASS W-4

SCL Nos 410870-410894

WHEELS:- MULTIPLE WEAR, A.A.R. C-33, CLASS "U".

INCLUDED IN TIE DOWN ASSEMBLIES:- 5/8" MISSING LINK (CROSBY S-335); 1/2" PEAR SHAPED LINK; CROSBY 5/8" ROUND PIN SHACKLES WITH 3/4" PIN; HINGE GUARD LOAD PROTECTOR ASSYS.; 1/2" AMERICAN CHAIN COMPANY No 45 GRAB HOOK.



TRUCKS WEIGH 16,600 LBS.

REF. DRWGS. S-1009 & Q-651.

SEE DRWG. No S-667 FOR GENERAL ARRANGEMENT.

CONFORMS TO A.A.R. CLEARANCE DIAGRAM

A.A.R. MECH. DESIGNATION FB

FREIGHT BOOK No 3

1.	**GENERAL**		
2.	CAPACITY	(55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT		53,800 LBS.
4.	LOAD LIMIT		123,200 LBS.
5.	MAX. LOAD ON RAILS		177,000 LBS.
6.	**BODY**		
7.	UNDERFRAME		BUILT UP FISH-BELLY DESIGN WITH 3/8" WEB PLATES
8.	END BULKHEADS		FABRICATED STEEL & 3/16 SOLID PLATE
9.	BULKHEAD EXTENSION		1/4" ANGLES & 1/4 FORMED PLATES (DRWG. Q-651)
10.	BULK'D. REINF.		5/8" PLATE REINF. WITH 1/4" PLATE GUSSET PAN (WK-120 & WK-121)
11.	SIDE & END SILLS		15" STEEL CHANNELS @ 33.9 LBS.
12.	FLOOR SHEETS		1/4" STEEL PLATE; SLOPES FROM SIDESILL TO CENTER
13.	LOAD SUPPORTS		4" WOOD FILLERS IN 1/4" ℞ FORMED CHANNELS; TRANSVERSE
14.	LOAD BINDERS		12 CROSBY L-140 R-A RATCHET TYPE; GRAB HOOK ONE END
15.	LOAD TIE CHAINS		S C L DRG. CC-112 12 PER CAR
16.	CHAIN ANCHORS		1 1/8" EYE BOLTS; 24 PER CAR (THREADED)
17.	CHAIN CONTAINERS		NONE; SLOPING FLOOR
18.	SIDE STAKES		NONE
19.	BRAKE STEP		APEX TRI-LOK METAL BRAKE STEP, TYPE A
20.	**DRAFT GEAR**		
21.	TYPE		RUBBER; CARDWELL-WEST'G'E., WAUGHMAT, NAT'L. OR MINER

22.	COUPLER YOKE	VERTICAL CAST STEEL, Y-4(
23.	COUPLER	BOTTOM OPERATED, 6 1/4" x 8" SHANK, A.A.R. TYPE "E"
24.	UNCOUPLING DEVICE	"STANDARD" COUPLER DEVICE ~ (STD. R.E.CO.)
25.	**BRAKES**	
26.	BRAKE SCHEDULE	TYPE AB-1012; WESTINGHOUSE AIR BRAKE C(
27.	BRAKE POWER	33,900 LBS. = 18.75% OF MAX. RAIL LOA
28.	BRAKE ADJUSTER	MANUA
29.	HAND BRAKES	UNIVERSAL POWER, NON-SPIN TYP
30.	**TRUCKS**	
31.	TYPE	A.S.F. A-3 RIDE CONTROL; 2 1/2" SPRING TRAVEL; CLASS T-9-N
32.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI C(
33.	TRUCK LEVERS	SCHAEFER EQUIP. C(
34.	LATERAL MOTION DEVICE	A-3 RIDE CONTRO
35.	SNUBBER	A-3 RIDE CONTRO
36.	AXLES	A.A.R. 5 1/2" x 10" ROLLER BEARING FREIGHT AXLE
37.	BRAKE BEAMS	"UNIT" N 1
38.	JOURNAL BEARINGS	5 1/2" x 10" HYATT "HY-ROLL"
39.	JRNL. BRG. LUBRICANT	A.A.R. ROLLER BEARING GREAS
40.	**MISCELLANEOUS**	
41.	DEFECT CARD HOLDER	MOTOR WHEE
42.	PIPE FITTINGS	"DRESSER"

11 CARS BUILT 3-75 BY WHITEHEAD & KALES CO. UNDER AFE 17824-EQ.
FILE: 21.82.11.109

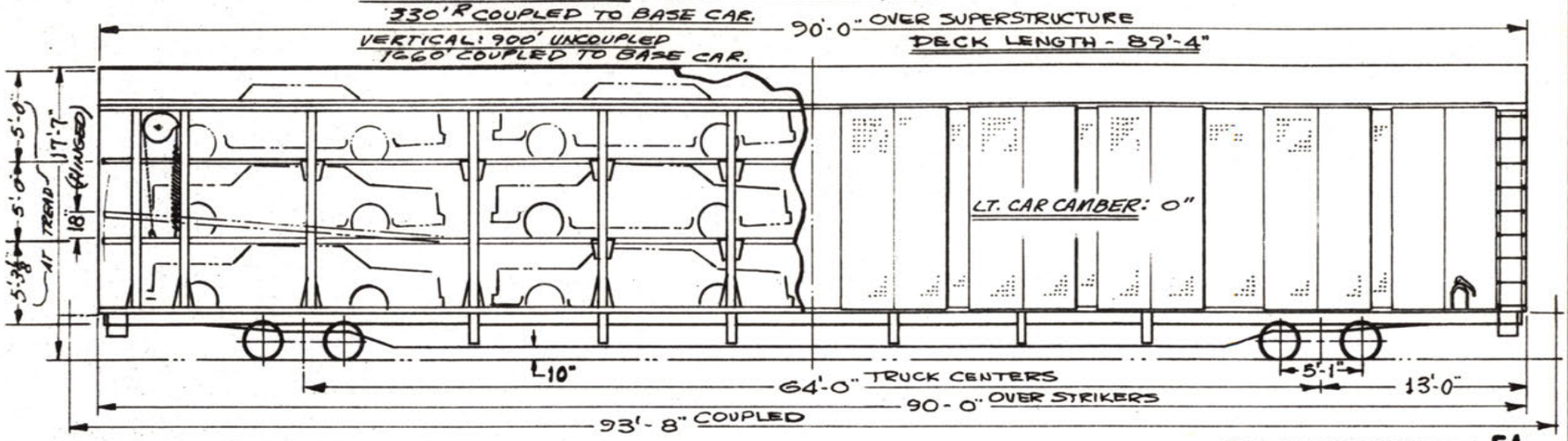
FLAT - CLASS F-4
SCL Nos 109200 - 109210

WHEELS:
28" DIA. 1-W AAR D-28 OR CD-28

ENCLOSED AUTO RACK "SNAPACK"

CURVE NEGOTIABILITY: HORIZ: 180'R UNCOUPLED
330'R COUPLED TO BASE CAR.
VERTICAL: 900' UNCOUPLED
1660' COUPLED TO BASE CAR.

NOTE: EXCEEDS AAR PLATE "F"
END DOOR OPENINGS CLEAR - 8'-5" MAX.



AAR MECH. DESIGNATION **FA**

GENERAL				TRAIN LINE HOSE	AERO-QUIP No. FA 2877NPNX0592
1. CAPACITY	73000 LBS.		22.	**DRAFT GEAR**	
2. LIGHT WEIGHT	105800 LBS.		23.	TYPE	FREIGHTMASTER 10" TRAVEL — TYPE AR-F
3. LOAD LIMIT	73400 LBS.		24.	COUPLER (60")	"E" HEAD, "F" SHANK CAT. No. E-69-HTE 3
4. MAX. LOAD ON RAIL	179200 LBS.		25.		
5. **BODY**			26.	UNCOUPLING DEVICE	ROTARY BOTTOM OPERATED — STANRAY
6. UNDERFRAME	BUILT UP WELDED DESIGN		27.	**BRAKES**	ABD — WESTINGHOUSE — B3-A-7½"
7. CENTER SILL	FABRICATED STEEL, 2'-7¾" BETWEEN WEBS		28.	BRAKE SCHEDULE	A-1 REDUCTION RELAY VALVE — WABCOPAC
8. SIDE SILL	FORMED SECTION, FULL LENGTH OF CAR		29.	BRAKE POWER	
9. CROSSBEARER	FORMED WEB AND FLANGE		30.	CUT OUT COCK	WEST. 571574
10. BOLSTER	FABRICATED, 14" BETWEEN WEBS		31.	HAND BRAKE	PUMP HANDLE TYPE — PEACOCK No. 1470
11. BODY CENTER PLATE	STD. AAR DESIGN 13¾ DIA. (WELDED)		32.	**TRUCKS** 55 TON - 3 1/16" SPRING TRAVEL	CLASS T-55-C
12. **RACKS**	FORMED & FABRICATED STEEL		33.	TYPE: RIDE CONTROL, SPECIAL BRAKE BEAM	ASF 75236
13. SIDE POSTS	STEEL TUBING 6"x4"x¼" & 6x4x3/16"		34.	TRUCK SPRINGS	5) D-4 OUTER, 6) D-3 INNER PER NEST
14. SIDE SHEETS	9 GA. PERFORATED		35.	SNUBBER	ASF DRG. 31537-087
15. FLOORING (CAR)	3/8" PL. OVER UNDERFRAME MEMBERS		36.	SIDE BEARINGS	STUCKI 656-C
16. 2nd & 3rd DECKS	9 GA. SHEET OVER ℄ CROSS MEMBERS		37.	AXLES	AAR 6x11 RAISED WHEEL SEAT
17. DECK BOLTS	5/8"-11 HI-TENS. (6 PER CONN.) DECKS ADJ. 1½" U&D		38.	BRAKE BEAMS	D3-A — WABCOPAC
18. TIE-DOWNS	20 PER DECK — STYLE 2 W/ STYLE 7 RATCHET		39.	BRAKE SHOES	(COMP.) — COBRA V-141
19. AUTOMOBILE DOOR PROTECTION	NONE		40.	JOURNAL BEARINGS	TIMKEN A P 6x11 WITH LUBE FITTINGS
20. END DOORS	YOUNGSTOWN "TRI-FOLD" DRG. 7449909		41.	TRUCK LEVERS	6"x15" FORGED STEEL — WABCOPAC
21. ROOF	14 GA. GALV. STEEL - STANRAY		42.		

1-15-64 J.W.H.

FREIGHT BOOK Nº 3

SEE FILE 21.82.11.45

CARS BUILT 1963 BY PULLMAN-STD., THEIR LOT 8802-C, P.A. ORDER 135-278, A.F.E. Nº 3143.

RACKS BUILT 1964 BY WHITEHEAD & KALES, P.A. ORDER 135-279 ~ (SK-4189) ~ A.F.E. Nº 3144.

CUSHION UNITS CHANGED TO 10" TRAVEL 6-69 AT PORTSMOUTH, VA. ~ ORDER P-59-518 ~ P.S. DRWGS. Nºs MCPE 15 & MCPE 16.

LIGHT WEIGHTS & LOAD LIMITS FURNISHED BY LETTER DATED 4-16-71, FILE 21.82.11.26 ~ (4-27-71)

FLAT ~ ~ ~ CLASS P-21

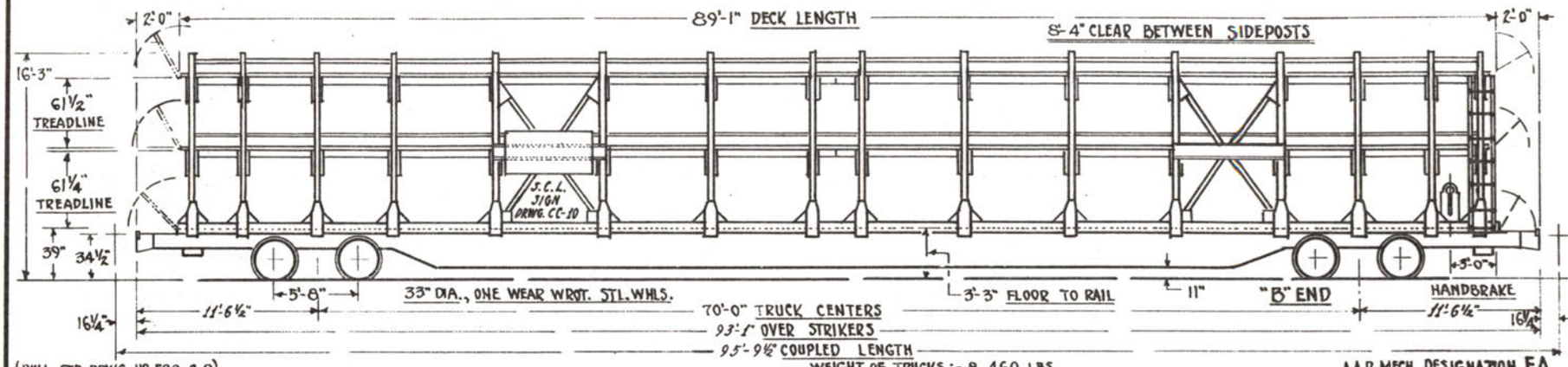
SCL Nºs 679000-679003

70-TON, 89'-1", HYDROFRAME-20 (10" TRAVEL) CUSHION UNDERFRAME

CAR Nº	RACK Nº
679000	T-129
679001	T-130
679002	T-131
679003	T-132

113

UNCOUPLED OR TWO COUPLED, 180' RAD. CURVE OR 31.8° CURVE. ~ THIS CAR, COUPLED TO A SHORT COVERED HOPPER CAR, ON A TANGENT TRACK, WILL NEGOTIATE A 395' RAD. CURVE, SAME AS THE T.T.X. 89'-1" LO-DEK CAR.



(PULL.-STD. DRWG. Nº 580-C-9)

WEIGHT OF TRUCKS :- 8,460 LBS.

A.A.R. MECH. DESIGNATION FA

		SCL Nº 679000	SCL Nº 679001	SCL Nº 679002	SCL Nº 679003
1.	**GENERAL** (70-TON CAP.)				
2.	CAPACITY	—	—	—	—
3.	LIGHT WEIGHT	103,700 LBS.	104,500 LBS.	104,800 LBS.	104,400 LBS.
4.	LOAD LIMIT ☆	116,300 LBS.	115,500 LBS.	115,200 LBS.	115,600 LBS.
5.	MAX. LOAD ON RAILS (ALL)				220,000 LBS.
6.	**BODY**				
7.	UNDERFRAME	BUILT-UP WELDED DESIGN; HIGH STRENGTH STEEL, TRI-TEN OR EQUAL			
8.	CENTER SILL	BUILT-UP WELDED DESIGN, STATIONARY & SLIDING CENTER SILLS			
9.	SIDE SILLS	5/16" PLATE FORMED COMBINATION RUB RAIL & SIDE SILL FULL LENGTH OF CAR			
10.	FLOOR STRINGERS	FULL LENGTH; 2 EACH SIDE, TOTAL 4; LAID FLAT; WELDED			
11.	LT. CAR CAMBER	3½"+ FROM ENDS TO CENTER OF CAR			
12.	**RACKS**				
13.	CONSTRUCTION	FORMED & FABRICATED STEEL, BOLTED & WELDED; WELDED TO CAR			
14.	SIDE COLUMNS (POSTS)	BASE WELDED TO CAR; 4" WF @ 13.#; 32 PER CAR			
15.	CURBS	CAR FLOOR, FORMED RUB RAIL; 2ND & 3RD DECKS, ANGLE KICK RAILS BTWN. COLS.			
16.	CAR FLOOR	¼" FLAT STEEL PLATE			
17.	2ND & 3RD	3/16" DECK PLATE OVER 5" CHANS. @ 6.7# CAMBERED CROSSMEMBERS			
18.	SHOCK UNITS	NONE; CAR CUSHION UNDERFRAME & DRAFT GEAR			
19.	DECK BOLTS	5/8"-11 HI-TENS. (6 PER CONN.); DECKS ADJUSTABLE IN ¾" INCREMENTS			
20.	TIE-DOWNS	STYLE 1A CHAINS, 24 PER DECK			
21.	**DRAFT GEAR**				
22.	TYPE	WAUGH-GOULD TYPE 700			
23.	COUPLER YOKE	GRADE "B", VERT. CAST STEEL, TYPE Y-45 YOKE (24 5/8 POCKET)			
24.	COUPLER	CAT. Nº C-F79-HT; TYPE F; 43" PULLING FACE TO YOKE PIN			
25.	UNCOUPLING DEVICE	ROTARY BOTTOM OPERATED; PULLMAN DESIGN			
26.	**BRAKES**				
27.	BRAKE SCHEDULE	A-1 REDUCT. RELAY VALVE; WESTINGHOUSE TYPE AB-1012 WITH QRR VALVE			
28.	BRAKE POWER	10.7% OF GROSS RAIL LOAD; 27.3% OF LT. WT.			
29.	BRAKE ADJUSTER	NONE; "UNIFRATE VARIABLE LOAD" BRAKES			
30.	HAND BRAKES	PUMP HANDLE TYPE, SIDE MOUNTED; UNIVERSAL RAILWAY DEVICES			
31.	**TRUCKS**				
32.	TYPE	ROLLER BEARING, A.S.F. RIDE CONTROL, 70-TON CARS			
33.	TRUCK SPRINGS	2½" TRAVEL, 7 O.C. & 2 I.C.; CRUC. STEEL CO.			
34.	SNUBBER	A.S.F. RIDE CONTROL			
35.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.			
36.	AXLES	A.A.R. 6 x 11 ALT. STD. ROLLER BEARING, SPEC. M-126-56, GRADE "F"			
37.	BRAKE BEAMS	A.S.F. FOR "UNIFRATE", CAST STEEL, UNIT TYPE; A.A.R. Nº 18			
38.	BRAKE SHOES	HIGH FRICTION, ANCHOR B.S., 1¼" THICK; GRIFFIN WHEEL CO.			
39.	JOURNAL BEARINGS	HYATT HEAVY DUTY, TYPE "AP" FOR 6" x 11" JOURNALS			
40.	TRUCK LEVERS, HANDBRAKE	"SCHAEFER", DROP FORGED, HEAT TREATED			

12-28-70
jwh

STEEL FLAT CAR BUILT 1-40, NO RECORD. ~ ADJUSTABLE RAMP BUILT BY BUCK EQUIPMENT CO., CINCINNATIO, OHIO AND PERMANENTLY MOUNTED ON FLAT CAR 3-1962 AT WAYCROSS SHOPS. ~ FILE 21.82.11.11, BOX 41.

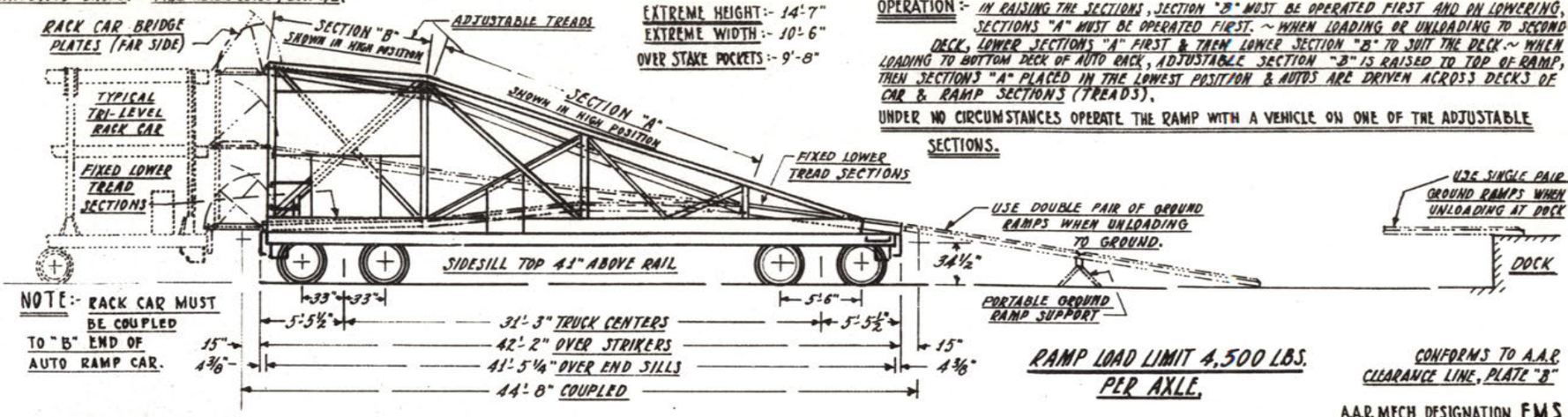
FLAT, AUTO RAMP ~ SCL № 109900

(FORMER A.C.L. № 68101)

EXTREME HEIGHT :- 14'-7"
EXTREME WIDTH :- 10'-6"
OVER STAKE POCKETS :- 9'-8"

OPERATION :- IN RAISING THE SECTIONS, SECTION "B" MUST BE OPERATED FIRST AND ON LOWERING, SECTIONS "A" MUST BE OPERATED FIRST. ~ WHEN LOADING OR UNLOADING TO SECOND DECK, LOWER SECTIONS "A" FIRST & THEN LOWER SECTION "B" TO SUIT THE DECK. ~ WHEN LOADING TO BOTTOM DECK OF AUTO RACK, ADJUSTABLE SECTION "B" IS RAISED TO TOP OF RAMP, THEN SECTIONS "A" PLACED IN THE LOWEST POSITION & AUTOS ARE DRIVEN ACROSS DECKS OF CAR & RAMP SECTIONS (TREADS).

UNDER NO CIRCUMSTANCES OPERATE THE RAMP WITH A VEHICLE ON ONE OF THE ADJUSTABLE SECTIONS.



NOTE :- RACK CAR MUST BE COUPLED TO "B" END OF AUTO RAMP CAR.

RAMP LOAD LIMIT 4,500 LBS. PER AXLE.

CONFORMS TO A.A.R. CLEARANCE LINE, PLATE "B"

A.A.R. MECH. DESIGNATION FMS

FREIGHT BOOK № 3

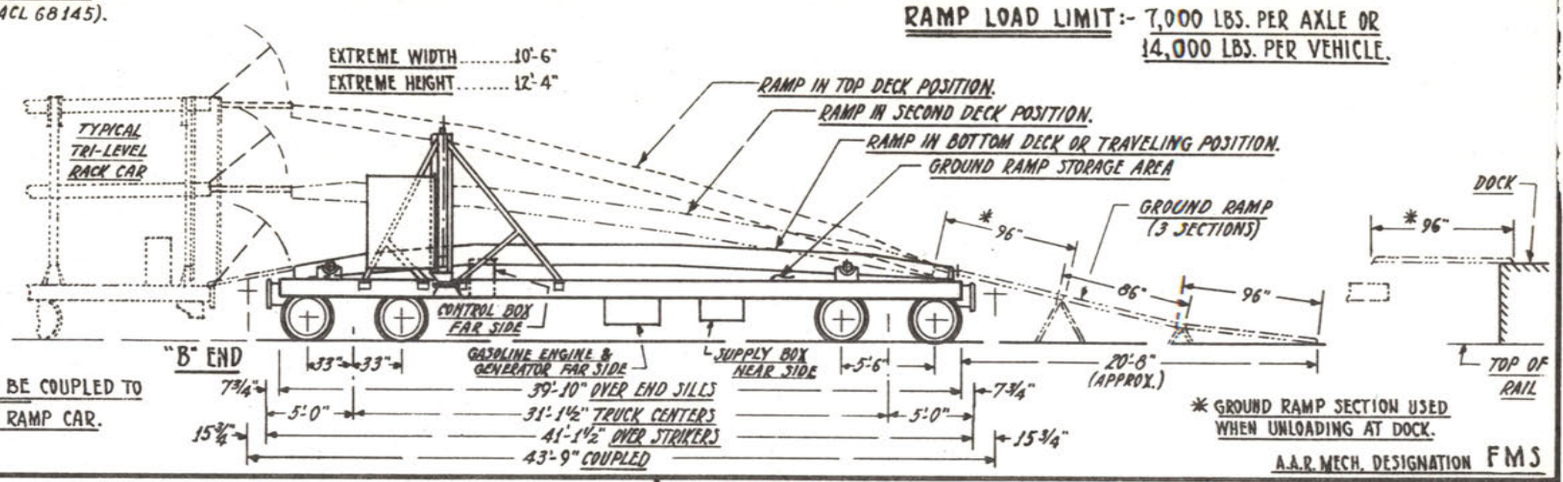
1.	**GENERAL**	
2.	CAPACITY	80,000 LBS.
3.	LIGHT WEIGHT (WITH RAMP)	47,500 LBS.
4.	LOAD LIMIT	88,500 LBS.
5.	MAX. LOAD ON RAIL	136,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	RIVETED FABRICATED STEEL
8.	CENTER SILL	FISHBELLY TYPE; (2) ⅜" WEB PLATES WITH 4"x4"x⅜" ANGLE
9.	CENTERSILL TOP COVER PLATE	18½" x ⅜" STEEL PLATE
10.	SIDE SILL	9" @ 13.4 # STD. CHANNEL
11.	END SILL	12" @ 40.0 # C.B. CHANNEL
12.	BOLSTERS	TWO ¼" STEEL PLATE PRESSED DIAPHRAGMS; EACH BOLSTER SECTION
13.	BOLSTER TOP COVER PLATE	½" x 14" STEEL PLATE
14.	BOLSTER BOT. COVER PLATE	½" x 14" STEEL PLATE
15.	CROSSBEARERS	¼" STEEL PLATE PRESSED DIAPHRAGMS; ⅜"x9" TOP & BOT. COVER PLATE
16.	CROSSTIES	¼" STEEL PLATE PRESSED DIAPHRAGMS
17.	FLOOR	¼" STEEL PLATE
18.	**RAMP**	
19.	TYPE	BUCK TYPE "ULCDR" MULTI-LEVEL LOADER
20.	TRAVEL	MAIN RAMP RAISING SPEED 2½" MINUTES FULL TRAVEL
21.	ENGINE (ONAN, GASOLINE)	10 H.P., MODEL OK-S/CB (FUEL CAPACITY APPROX. 3 GALS.)
22.	STARTER	RECOIL TYPE
23.	CRANK	NONE
24.	GENERATOR	NONE
25.	BATTERY	NONE
26.	HYDRAULIC FLUID TANK	3½ GALLON CAPACITY
27.	HYD. TANK MTG. ASSY.	
28.	HYD. FLUID FILTER	NONE
29.	RAMP LIFT	CABLES & HOISTING ARRANGEMENT
30.	RAMP LIFT DRIVE	GASOLINE ENGINE DRIVEN HYDRAULIC MOTORS
31.	VERTICAL POSTS	⅜" STEEL PLATE (PRESSED CHANNEL SHAPES)
32.	ENGINE & PUMP MOUNTING	MOUNTED ON DECK OF CAR
33.	AUTO TREADS :- FORMED METAL CURBS WITH EXPANDED METAL FLOOR EACH SIDE (TIED TOGETHER) ~ 2	
34.	SEPARATE SECTIONS DESIGNATED "A" & "B". ~ SECTION "B" MOVES INDEPENDENTLY OF "A"	
35.	AND IS LOCATED AT BRAKE OF CAR & HAS PIVOTED BRIDGE PLATE SECTION AT "BR" TREAD END. ~	
36.	SECTION "A" COMPRISES TWO ADJUSTABLE PORTIONS OF RAMP TREADS WHICH MOVE SIMULTANEOUSLY.	
37.	EACH SECTION HAS ITS OWN CONTROL VALVE, MARKED "A" & "B", CORRESPONDING TO THE RAMP	
38.	SECTIONS. ~ VALVE HANDLES ARE MOVED UP FROM NEUTRAL POSITION TO RAISE RAMPS & MOVED	
39.	DOWN BELOW NEUTRAL POSITION TO LOWER RAMPS. ~ NO HANDRAILS.	
40.	**DRAFT GEAR**	
41.	TYPE	WESTINGHOUSE FRICTION TYPE
42.	COUPLER YOKE	A.A.R. VERTICAL CAST STEEL
43.	COUPLER	A.A.R. TYPE "E", 6¼" x 8" RIGID SHANK
44.	UNCOUPLING DEVICE	BOTTOM OPERATING
45.	**BRAKES**	
46.	SCHEDULE	WESTINGHOUSE AB-1012
47.	BRAKING POWER	75% OF LIGHT WEIGHT AT 50 LBS. CYLD. PRESSURE
48.	BRAKE REGULATOR	MANUAL
49.	TRAINLINE FITTINGS	DRESSER
50.		
51.	HANDBRAKE	HORIZONTAL WHEEL, DROP SHAFT, "UNIVERSAL"
52.	**TRUCKS**	
53.	TYPE	5" x 9", 1⅝" SPRING TRAVEL, BRAKE BEAM HANGER TYPE
54.	SIDE BEARINGS	SINGLE ROLLER TYPE; STUCKI
55.	SNUBBER	MINER
56.	BRAKE SHOES	AAR-1
57.	AXLES	A.A.R. 5" x 9" PLAIN BEARING
58.	BRAKE BEAMS	A.A.R. № 15, HANGER TYPE
59.	TRUCK SPRINGS	A.A.R. D-2, 1⅝" TRAVEL
60.	JOURNAL BEARINGS	A.A.R. 5" x 9" SOLID TYPE
61.	ROLLER BEARING ADAPTER	NONE
62.	TRUCK LEVERS	8" x 16", SHOP MADE
63.	BOTTOM CONNECTION	38" BETWEEN INSIDE HOLES
64.	WHEELS	33" DIA. I.W. STEEL

2-21-67
J.W.H.

TRAILERAMP BUILT 1966 BY PAGE & PAGE, PORTLAND, ORE. ~ P.A. ORDER 137-289 ~ A.F.E. 27,688 EQ. ~ FILE 21.82.11.11. ~ CAR FORMERLY NUMBERED SCL 768145 (ACL 68145).

FLAT, AUTO RAMP ~ ~ SCL Nº 109901

RAMP LOAD LIMIT:- 7,000 LBS. PER AXLE OR 14,000 LBS. PER VEHICLE.



NOTE:- RACK CAR MUST BE COUPLED TO "B" END OF AUTO RAMP CAR.

* GROUND RAMP SECTION USED WHEN UNLOADING AT DOCK.

A.A.R. MECH. DESIGNATION FMS

FREIGHT BOOK Nº 3

1.	**GENERAL**	
2.	CAPACITY	100,000 LBS.
3.	LIGHT WEIGHT (WITH RAMP)	49,100 LBS.
4.	LOAD LIMIT (NOTE RAMP LIMIT SHOWN AT UPPER RIGHT)	127,900 LBS.
5.	MAX. LOAD ON RAIL	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL, RIVETED
8.	CENTER SILL	TWO B-112 (12" @ 40.3 LBS.) CENTER SILL SECTIONS
9.	CENTER SILL TOP COVER PLATE	3/8" x 18½" STEEL PLATE
10.	SIDE SILL	B-112 (12" @ 40.3 LBS.) CENTER SILL SECTION
11.	END SILL	9" CHANNEL @ 15.4 LBS.
12.	BOLSTERS	TWO ¼" STEEL PLATE DIAPHRAGMS EACH BOLSTER SECTION
13.	BOLSTER TOP COVER PLATE	½" x 18" STEEL PLATE
14.	BOLSTER BOTTOM COVER PLATE	½" x 18" STEEL PLATE
15.	CROSS BEARERS, 6 PER CAR	TWO ¼" STEEL PLATE DIAPHRAGMS EACH SECTION
16.	CROSSTIES, 8 PER CAR	ONE ¼" STEEL PLATE DIAPHRAGM PER SECTION
17.	FLOOR (CAR)	NONE, RAMP IN LOWERED POSITION SERVES AS FLOOR
18.	**RAMP**	
19.	FORWARD CROSSMEMBER & SUPPORT COLUMN	PART Nº 1019102
20.	REAR BASE FRAME	PART Nº 1019098
21.	RAMP, LOADING (SILLS 15" CHANNELS @ 33.9 LBS.)	PART Nº 1019094
22.	RAMP FLOOR	EXPANDED METAL
23.	BRIDGE PLATE	PART Nº 1018883
24.	BRIDGE PLATE TIE-DOWN ASSY.	PART Nº 1015787
25.	LIFT BEAM ASSY.	PART Nº 1018892
26.	RAMP TIE-DOWN, "A" END	PART Nº 1019109
27.	RAMP TIE-DOWN, "B" END	PART Nº 1019110
28.	ELECTRIC SYSTEM INSTALLATION	PART Nº 1019128
29.	HOIST MECHANISM ASSY.	PART Nº 1018895
30.	REAR RAMP ROLLER ASSY.	PART Nº 1015532
31.	APPROACH RAMP SUPPORT, UPPER	PART Nº 1018886
32.	APPROACH RAMP SUPPORT, LOWER	PART Nº 1018887
33.	APPROACH RAMP, UPPER	PART Nº 1018884
34.	APPROACH RAMP, LOWER	PART Nº 1018885
35.	LINCH PIN WITH RING ASSY. (FORD Nº ZN-608)	PART Nº 1013929
36.	Nº 4 TWIST LINK MACHINE CHAIN	PART Nº 1018933
37.	POWER PLANT (KOHLER MODEL 6G2)	15.0 H.P. @ 1800 R.P.M., AUTOMATIC ELECTRIC STARTER
38.	ELECTRIC CIRCUIT	5 KW, 230 VOLT, 3-PHASE
39.	KOHLER INSTRUCTION MANUAL	Nº 5RM 51 (4515A)
40.	**DRAFT GEAR**	
41.	TYPE	WESTINGHOUSE, HYDRAULIC FRICTION, MODEL H-60
42.	COUPLER YOKE	VERTICAL CAST STEEL YOKE
43.	COUPLER	A.A.R. TYPE "E", 6¼" x 8" RIGID SHANK
44.	UNCOUPLING DEVICE	BOTTOM OPERATED
45.	**BRAKES**	
46.	SCHEDULE	WESTINGHOUSE AB-1012
47.	BRAKING POWER	32,000 LBS. = 65% LT. WT. AT 50 P.S.I. PRESSURE
48.	BRAKE CYLINDER	WABCO 10 x 12
49.	SLACK ADJUSTER	MANUAL
50.	BRAKE PIPE COUPLINGS	1¼" DRESSER
51.	HAND BRAKES	UNIVERSAL, DROP STAFF, POWER UNIT
52.	**TRUCKS**	
53.	TYPE	ROLLER BEARING, 1⅝" SPRING TRAVEL, CLASS **T-9-D**
54.	SIDE BEARINGS	SINGLE ROLLER TYPE, CAST INTEGRAL
55.	SNUBBER	SYMINGTON-WAYNE SBS
56.	BRAKE SHOES	A.A.R.-1
57.	AXLES	5½" x 10" ROLLER BEARING FREIGHT AXLE, A.A.R. STD.
58.	BRAKE BEAMS	A.A.R. Nº 18 UNIT
59.	TRUCK SPRINGS	TYPE D-2; 1 SNUBBER & 3 DOUBLES PER NEST
60.	JOURNAL BEARINGS	5½" x 10" TIMKEN "AP" ROLLER BEARINGS
61.	ROLLER BEARING ADAPTER	D-5501
62.	TRUCK LEVERS	5½" x 11" & 7" x 14"; SCHAEFER EQUIPMENT CO.
63.	BOTTOM CONNECTION	35" BETWEEN INSIDE HOLES; SCHAEFER EQUIP. CO.
64.	WHEELS	M-W CAST STEEL

7-27-70
j w h

2 RAMPS PURCHASED 1969 FROM & INSTALLED ON CARS BY BUCK SUBSIDIARY-ROYAL INDUSTRIES (THEIR ORDER Nos 2631 & 2632) ON S.C.L. ORDER No P-29-431, A.F.E. No 11,994 EQ. ~ FILE 21.82.11.11.1

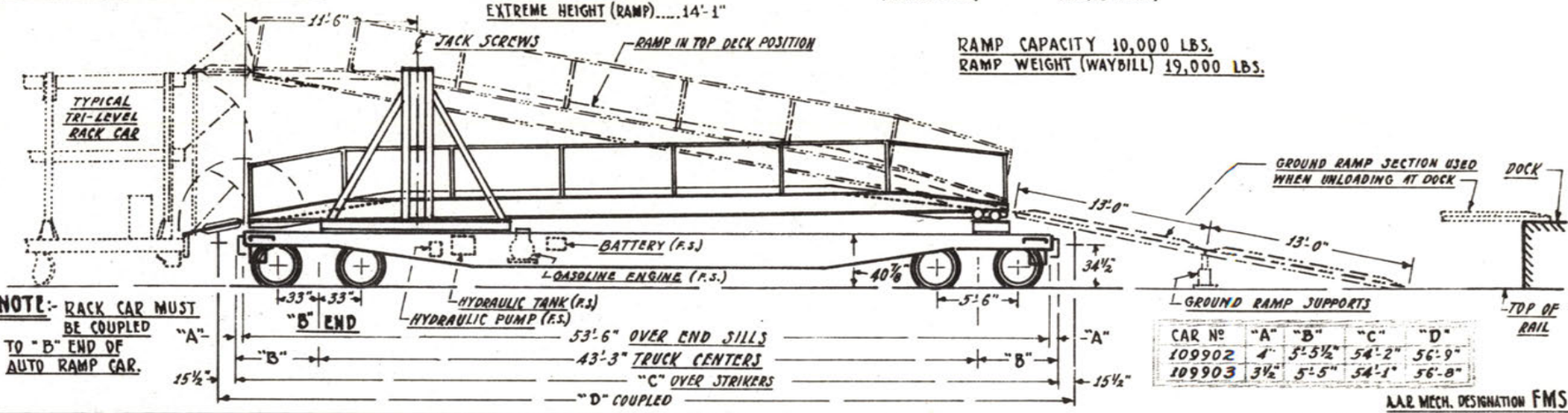
FLAT, AUTO RAMP ~~ SCL Nos 109902 & 109903

(SCL 768146) (ACL No 77018) (CLASS P-13)

(SCL No 768147) (ACL No 77430) (CLASS P-14)

EXTREME WIDTH.....10'-8"
EXTREME HEIGHT (RAMP).....14'-1"

RAMP CAPACITY 10,000 LBS.
RAMP WEIGHT (WAYBILL) 19,000 LBS.



NOTE:- RACK CAR MUST BE COUPLED TO "B" END OF AUTO RAMP CAR.

CAR No	"A"	"B"	"C"	"D"
109902	4"	5'-5 1/2"	54'-2"	56'-9"
109903	3 1/2"	5'-5"	54'-1"	56'-8"

A.A.R. MECH. DESIGNATION FMS

FREIGHT BOOK No 3

			No 109902	No 109903
1.	**GENERAL**			
2.	CAPACITY	(55-TONS)	110,000 LBS.	110,000 LBS.
3.	LIGHT WEIGHT	(WITH RACKS)	61,100 LBS.	61,100 LBS.
4.	LOAD LIMIT		115,900 LBS.	115,900 LBS.
5.	MAX. LOAD ON RAIL			177,000 LBS.
6.	**BODY**			
7.	UNDERFRAME	STRUCTURAL STEEL, FABRICATED; RIVETED CONSTRUCTION		
8.	CENTER SILL	DOUBLE 3/8" x 29" (DEEP) PLATES, FISHBELLY TYPE, 4"x4" ANGLES; RIVETED		
9.	CENTERSILL TOP COVER PLATE	27"x3/8 THICK STEEL PLATE; RIVETED		
10.	SIDE SILL	5/16 THICK PLATE, FISHBELLY TYPE & ANGLES; RIVETED		
11.	END SILL	12" @ 20.7# CHANNELS		
12.	BOLSTERS	5/16" PLATE PRESSED PAN DIAPHRAGMS; RIVETED		
13.	BOLSTER TOP COVER PLATE	20"x 1/2" STEEL PLATE; RIVETED		
14.	BOLS. BOTT. COVER PLATE	16"x5/8" STEEL PLATE; RIVETED		
15.	CROSSBEARERS (3 PER CAR)	1/4" PRESSED PAN DIAPHRAGMS; RIVETED		
16.	CROSSTIES (8 PER CAR)	1/4" PRESSED PAN DIAPHRAGMS; RIVETED		
17.	FLOOR (CAR)	NONE; RAMP IN LOWERED POSITION SERVES AS FLOOR		
18.	**RAMP**			
19.	TYPE	MODEL ULCDR-52, SCREW TYPE		
20.	TRAVEL	MAIN RAMP RAISING SPEED 2 1/2 MINUTES FULL TRAVEL		
21.	ENGINE, AIR COOLED	WISCONSIN 12 H.P., MODEL AGND		
22.	STARTER, 12-VOLT ELECTRIC			
23.	CRANK, HAND	FOR EMERGENCY STARTING ONLY		
24.	GENERATOR, 12-VOLT			
25.	BATTERY, 12-VOLT			
26.	HYDRAULIC FLUID TANK	15 GAL. CAP., SHOCK MOUNTED		
27.	HYD. TANK MTG. ASSY.	DRWG. No C-11296		
28.	HYD. FLUID FILTER	MODEL F-100 SERIES; GRESEN MFG. CO.		
29.	RAMP LIFT ASSEMBLY	BUCK'S DRWG. No D-11147		
30.	VERTICAL POSTS (2 PER SIDE)	12"x5" I-BEAM @ 31.8#		
31.	JACK SCREWS (VERTICAL)	ACME THREADS, 2 1/2" DIA., .500 PITCH		
32.	ENGINE & PUMP MOUNTING ASSEMBLY	BUCK'S DRWG. No D-11261		
33.	DRIVE ASSEMBLY	BUCK'S DRWG. No D-11116		
34.	MAIN RAMP (FIXED ON CAR)	15" CHANS. @ 33.9# SIDESILLS & EXPANDED METAL GRATING FLOOR		
35.	HANDRAILS (PIPE)	WELDED TO TOP OF RAMP SIDESILL CHANNELS		
36.	BRIDGE PLATE	HINGED TO RAMP; "AL" END OF CAR		
37.	GROUND RAMPS (2 ADJ. TO MAIN RAMP)	13'-0"x 24" FORMED PERF. ALUMINUM CHANS.		
38.	ADJUSTABLE GROUND RAMP SUPPORT			
39.	GROUND RAMPS (2)	13'-0"x 24" FORMED PERF. ALUMINUM CHANS.		
40.	**DRAFT GEAR**			
41.	TYPE	WESTINGHOUSE, (SPECIALLY METERED) HYDRAULIC FRICTION, MODEL H-60		
42.	COUPLER YOKE	A.A.R. VERTICAL PLANE, GRADE "B" CAST STEEL; CAT. No B-Y40		
43.	COUPLER	A.A.R. TYPE "E", CAST STEEL, 6 1/4"x 8"x 21 1/2" SHANK; CAT. No B-E60B-HT		
44.	UNCOUPLING DEVICE	S.REM. CO'S DRWG. Nos (P-13) 1U-3141-A & (P-14) 1U-3339-B		
45.	**BRAKES**			
46.	SCHEDULE	STR A.A.R., WESTINGHOUSE AB-1012		
47.	BRAKING POWER			
48.	BRAKE REGULATOR	MANUAL TYPE		
49.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & PIPE ANCHORS; ILL. RWY. EQUIP. CO.		
50.				
51.	HAND BRAKES	UNIVERSAL UNIT 2105, DROP STAFF; DRWG. No (P-13) 5744-A & (P-14) 5783		
52.	**TRUCKS**			
53.	TYPE	"UNIT", SPRING PLANKLESS, 1 5/8" SPRING TRAVEL; S.C.L. CLASS **T-9-D**		
54.	SIDE BEARINGS	SINGLE ROLLER; MONOCAST TYPE No 20		
55.	SNUBBER	NONE		
56.	BRAKE SHOES	A.A.R.-1		
57.	AXLES	A.A.R. STD. 5 1/2" x 10" FREIGHT CAR AXLE; FRICTION TYPE		
58.	BRAKE BEAMS	A.A.R. No 18 UNIT		
59.	TRUCK SPRINGS	1 5/8" TRAVEL, EIGHT DOUBLE COIL PER TRUCK; A.A.R. CLASS D-2		
60.	JOURNAL BEARINGS	A.A.R. 5 1/2" x 10", SOLID TYPE		
61.	ROLLER BEARING ADAPTER	NONE		
62.	TRUCK LEVERS	5 1/2" x 11" & 7" x 14"; SCHAEFER EQUIP. CO.		
63.	BOTTOM CONNECTION	35" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER EQUIP. CO.		
64.	WHEELS	33" DIA.		

4-17-69

FLATS & GONDOLAS

FREIGHT BOOK No 3

5 CARS BUILT 1965-66 BY S.A.L. AT PORTSMOUTH, VA. SHOPS.
S.A.L. CAR Nos 7000-7004.

WHEELS:- A.A.R. A-30, M.W. WROT STEEL, 30" DIA.

CENTER OF GRAVITY:- FROM RAIL, LIGHT CAR = 23½"

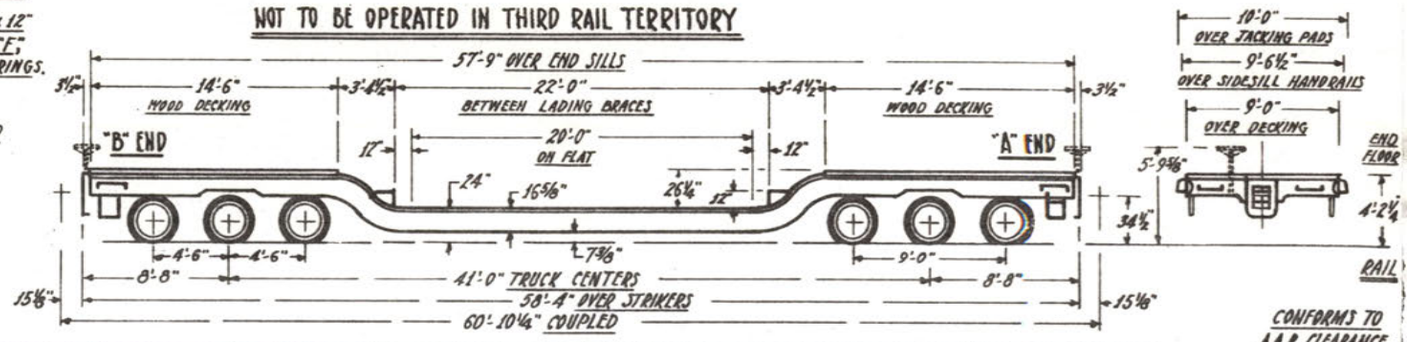
NOTE 1:- TRUCKS AS BUILT HAVE A.A.R. STD. 6½" x 12" PEDESTAL TYPE JOURNAL BOXES, CLASS "E", FRICTION TYPE AXLES & SOLID TYPE BEARINGS.

CURVE NEGOTIABILITY: 21° CURVE, COUPLED TO AAR BASE CAR.

FLAT, DEPRESSED CENTER ~ CLASS PS-16

SCL Nos 747000-747004

NOT TO BE OPERATED IN THIRD RAIL TERRITORY



CONFORMS TO A.A.R. CLEARANCE LINE, PLATE "B"

MAXIMUM PERMISSABLE LOAD UNIFORMLY DISTRIBUTED AT CENTER OF CAR										
LENGTH OF LADING	0'-0"	2'-0"	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"
MAX. LOAD	230,000	230,600	231,600	233,000	234,600	236,600	239,100	242,300	246,000	250,000

GEN. ARRGT. S.A.L. DRWG. No CB-5026-C.

A.A.R. MECH. DESIGNATION FD

1.	**GENERAL**		
2.	CAPACITY	(125-TONS) ☆	250,000 LBS.
3.	LIGHTWEIGHT		126,400 LBS.
4.	LOAD LIMIT		250,100 LBS.
5.	MAX. LOAD ON RAILS		376,500 LBS.
6.	**BODY**		
7.	UNDERFRAME	ONE PIECE CAST STEEL; GENERAL STEEL CSTGS. CORP.'S DRWG. No 30738-C;	
8.		PATTERN No 30738	
9.	STRIKER	CAST STEEL; INTEGRAL WITH U.-F.	
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	CAST STEEL; INTEGRAL WITH U.-F.	
11.	BODY BOLSTERS	CAST STEEL; INTEGRAL WITH U.-F.	
12.	BODY CENTER PLATE	17¾" DIA. BOWL; CAST STEEL; INTEGRAL WITH U.-F.	
13.	BODY SIDE BEARING BRACE	CAST STEEL; INTEGRAL WITH U.-F.	
14.	END SILLS	CAST STEEL; INTEGRAL WITH U.-F.	
15.	END SILL COVER PLATE	NONE	
16.	END BULKHEADS	NONE	
17.			
18.	SIDE SILLS	CAST STEEL; INTEGRAL WITH U.-F.	
19.	CROSSBEARERS	CAST STEEL; INTEGRAL WITH U.-F.	
20.	CROSSTIES	CAST STEEL; INTEGRAL WITH U.-F.	
21.	FLOOR, ENDS ONLY (FOR REPLACEMENT USE ⅜" STL. PLT.)	2¾" x 5¾" x 9'-0" WOOD DECKING; SEE ABOVE	
22.	BRAKE STEP	NONE	
23.	ROPING STAPLE	NONE	
24.	SWIVEL PIN	2⅜" DIA. x 10⅜" LONG O.H. STEEL; S.A.L. DRWG. No C1-2760	
25.	SWIVEL PIN RETAINER KEY	¾" THICK x 6" LONG O.H. STEEL; S.A.L. DRWG. No C2-4943	
26.	DRAFT GEAR CARRIER	8" x ⅝" STEEL PLATE; S.A.L. DRWG. No C1-4983	
27.	BRAKE BADGE PLATE	CAST IRON; S.A.L. PATT. No FC-2995	
28.	LADING BAND ANCHORS (24 PER CAR)	WINE TYPE A-28; WINE RWY. APPL. CO.'S DRWG. No 2JX-413	
29.	DEFECT CARD HOLDER	"CHEEPER", WESTERN RWY. EQUIP. CO.'S 22-2716; S.A.L. C3-4950	
30.	ANGLE COCK HOLDER		⅝" U-BOLT; S.A.L. DRWG. No C2-2382
31.	**DRAFT GEAR**		
32.	TYPE		WESTINGHOUSE TYPE NY-11-F
33.	COUPLER YOKE	VERTICAL PLANE, SWIVEL TYPE, CAST STEEL, GRADE "B", CAT. No Y-30; S.A.L. DRWG. L4-8254	
34.	COUPLER	A.A.R. STD. TYPE "E", HIGH TENSILE CAST STEEL, 6¼" x 6" SWIVEL SHANK; CAT. No E61A	
35.	COUPLER RELEASE RIGGING	BOTTOM OPER.; S.R.E.M. CO.'S DRWG. 1U-10042-B; S.A.L. DRWG. C3-5010	
36.	**BRAKES**		
37.	SCHEDULE	(DOUBLE) AB-1012; TYPE "B" RELAY VALVE ON "A" END OF CAR	
38.	FITTINGS		EXTRA HEAVY UNIONS & COUPLINGS
39.	TRAINLINE FITTINGS		"WRIGHT" PIPE CLAMPS, I.R.E.CO., & U-BOLTS
40.	BRAKE POWER		22% OF GROSS RAIL LOAD @ 50# CYLR. PRESSURE
41.	BRAKE REGULATOR		MANUAL
42.	BELL CRANK		NONE
43.	HAND BRAKES (2 PER CAR)		HORIZONTAL WHEEL, DROP STAFF, MULTI-POWER
44.		UNITS 2110, GEARED TYPE; UNIVERSAL RAILWAY DEVICES CO.'S DRWG. No 6821	
45.	**TRUCKS**		
46.	TYPE		COMMONWEALTH 6-WHEEL EQUALIZER TRUCK; S.C.L. CLASS T-125; S.A.L. C7-5024
47.	SIDE BEARINGS		FRICTION TYPE, 14" x 4" x 13/16" HARDENED STEEL; S.A.L. DRWG. C1-4978
48.	SNUBBER (8)		CARDWELL FRICTION BOLSTER SPRING, TYPE "A-3"
49.	BRAKE SHOES		A.A.R. 1-A ALT. STD., 1½" UNFLANGED; A.B.S. CO.'S DRWG. No 15107-D
50.	BRAKE SHOE KEY		FORGED STEEL; A.B.S. CO.
51.	ROLLER BRG. ADAPTERS (12)		"SPECIAL TYPE", TIMKEN No E-22997; SEE ABOVE
52.	AXLES (6)		6½" x 12" FREIGHT CAR ROLLER BEARING TYPE; SEE ABOVE
53.	JOURNAL BEARINGS (12)		TIMKEN ALL PURPOSE HEAVY DUTY, TYPE "AP"; SEE ABOVE
54.	EQUALIZERS & SPRING SEAT (8 EACH PER CAR)		S.A.L. DRWS. C3-4941 & C1-5011
55.	BRAKE BEAMS		A.A.R. No 18 HANGER TYPE; 4 R.H. & 2 L.H.
56.	SPRINGS	(24) DOUBLE COIL EQUALIZER, A.A.R. CLASS D-2 & (8) CARDWELL FRICTION TYPE A-3	
57.	BOTTOM ROD CONN.	2-HOLE TYPE; LGTH. BETWN. INSIDE HOLES; 2 EACH 19½", 25½" & 28"; S.A.L. C2-4949	
58.	BRAKE LEVERS		(6) 6" x 9¼" & (2) 6" x 18"; SCHAEFER 1060-A & 1065; S.A.L. C2-4955 & C2-4958

12-6-56 J.W.H.

No 3

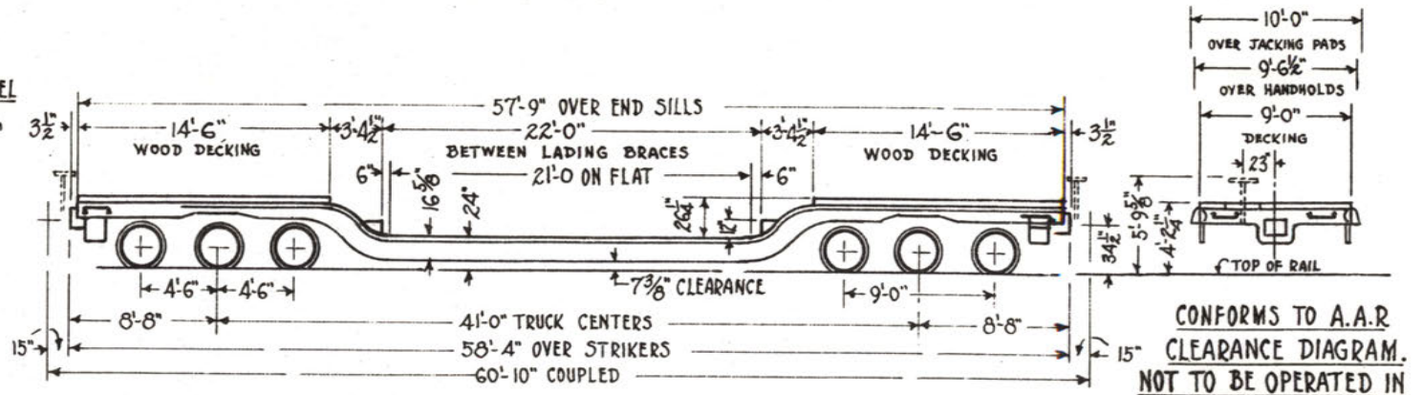
BUILT MAY 1957 BY A.C.L.
WAYCROSS SHOPS.

FLAT, DEPRESSED CENTER ~ CLASS P-16

SCL Nos 679100, 679101, 679102

WHEELS:- A.A.R. A-30 WROUGHT STEEL WHEELS, MULTIPLE WEAR, CLASS BR, WHEELS ARE 30" DIA.

MAXIMUM DEGREE CURVE CAR WILL NEGOTIATE WHEN COUPLED TO BASE CAR = 19° CURVE.



CONFORMS TO A.A.R CLEARANCE DIAGRAM. NOT TO BE OPERATED IN THIRD RAIL TERRITORY.

MAXIMUM PERMISSIBLE LOAD UNIFORMLY DISTRIBUTED AT CENTER OF CAR								
LENGTH OF LADING	0"	4'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"
PERMISSIBLE LOAD	230,000	231,600	234,600	236,600	239,100	242,300	246,000	LOAD LIMIT

A.A.R. MECH. DESIGNATION FD

1.- **GENERAL**		
2. CAPACITY	(125-TONS)	250,000 LBS.
3. LIGHT WEIGHT		126,500 LBS.
4. LOAD LIMIT		250,000 LBS.
5. MAX. LOAD ON RAILS		376,500 LBS.
6.- **BODY**		
7. UNDERFRAME		ONE PIECE CAST STEEL (GENERAL STEEL CASTINGS CORP.)
8. SUPERSTRUCTURE		NONE
9. SHEATHING		NONE
10. ENDS		NONE
11. FLOORING-CENTER		2" THICK CAST STEEL, PERFORATED FOR ANCHOR BOLTS
12. FLOORING-ENDS		(FOR REPLACEMENT USE 3/8" STL. PLT.) 2¾" THICK WOOD DECKING
13. LADING ANCHORS		12 "AZEE" LADING BAND ANCHORS AT EACH END
14. PAINTING		1 COAT PRIMER & 1 COAT BLACK CAR CEMENT
15.		
16. NEGOTIABLE CURVE		150' RADIUS
17. CENTER OF GRAVITY, LIGHT CAR		23½" ABOVE RAIL
18.- **DRAFT GEAR**		
19. TYPE		NATIONAL MF-400 RUBBER
20. DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE
21. COUPLER		TYPE "E", BOTTOM OPERATING COUPLERS
22. UNCOUPLING DEVICE		"STANDARD" COUPLER DEVICE ~ (STD. RWY E. CO.)
23.- **BRAKES**		
24. BRAKE SCHEDULE		DOUBLE WESTINGHOUSE AB-1012
25. BRAKE POWER		82,978 # = 22% OF RAIL LOAD
26. BRAKE ADJUSTER		MANUAL
27. HAND BRAKES		UNIVER'L. MULTI-POWER HAND BRAKE WITH DROP BRAKE STAFF AT EACH END OF CAR
28.- **TRUCKS**		
29. TYPE		COMMONWEALTH 6-WHEEL EQUALIZER TRUCK; A.C.L. CLASS T-125
30. TRUCK SPRINGS		DOUBLE COIL SPRINGS, A.A.R. "D-2"; "EXTENDED LIFE"
31. SIDE BEARINGS		FRICTION TYPE
32. SNUBBER		SYMINGTON-GOULD CORP., TYPE SBS
33. AXLES		6½" x 12" FREIGHT CAR ROLLER BEARING AXLES; A.A.R. PLATE D-6C-1956
34. BRAKE BEAMS		No 18 BRAKE BEAMS
35. JOURNAL BEARINGS		TIMKEN 6½" x 12" ALL-PURPOSE HEAVY DUTY, TYPE "AP"
36. JOURNAL BEARING LUBRICANT		A.A.R. ROLLER BEARING GREASE
37. TRUCK LEVERS		A.C.L. SHOP MADE
38.- **MISCELLANEOUS**		
39. DEFECT CARD HOLDER		
40. PIPE FITTINGS		DRESSER

8-26-63 j wh
9-30-66 j wh

BUILT ORIG. MAY 1957 BY A.C.L. WAYCROSS SHOPS.~ LENGTH INCREASED 9'-0" IN 1963.~ AFE 25901~ P.A. ORDER 135-403~ FILE 21.82.6.2 (№ 79110)

FLAT, DEPRESSED CENTER ~ CLASS P-16-A

SCL Nos 679103, 679104, 679105, 679108, 679109, 679110

WT. OF UNDERFRAME CASTING APPROX. 97,350 #

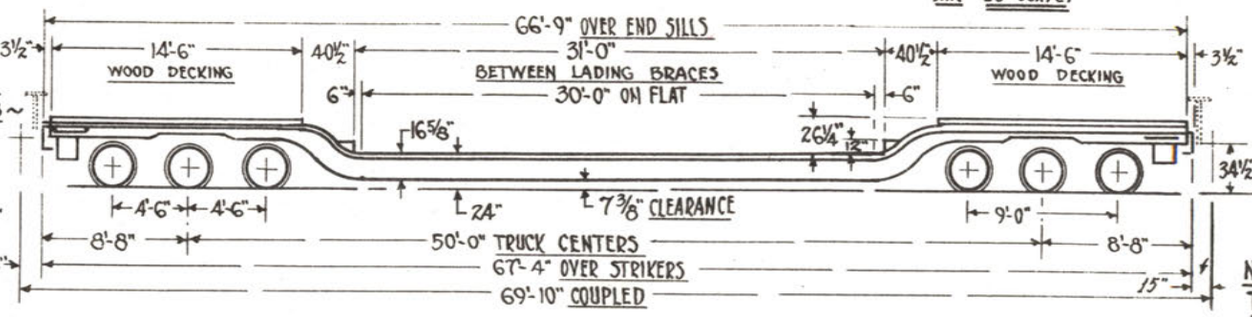
WHEELS:- 30" DIA., A.A.R. A-30 WROT STEEL, MULTIPLE WEAR, CLASS BR.

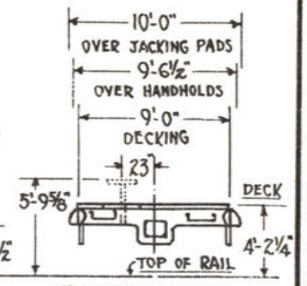
MAXIMUM DEGREE CURVE CAR WILL NEGOTIATE WHEN COUPLED TO BASE CAR = 16° CURVE.

№ 679109 BUILT 1957 BY A.C.L. WAYCROSS SHOPS.~ LENGTH INCREASED 9'-0" IN 1964.~ AFE 26,656~ P.A. ORDER 136-213~ FILE 21.82.6.2

№ 679108 BUILT 1957 AT WAYCROSS SHOPS~ USED 1961-65 IN A.E.C. SERVICE.~ LENGTH INCREASED 9'-0" IN 1966; A.F.E. 27,491 EQ.; P.A. ORDER 137-069; FILE 21.82.6.2

REF. G.S.I. DRWG. 32179





CONFORMS TO A.A.R. CLEARANCE DIAGRAM.

NOT TO BE OPERATED IN THIRD RAIL TERRITORY.

MAXIMUM PERMISSABLE LOAD UNIFORMLY DISTRIBUTED AT CENTER OF CAR

LENGTH OF LADING	0'-0"	2'-0"	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"
PERMISSIBLE LOAD	147,000	150,000	153,120	156,380	159,780	163,330	167,040	170,930	175,000	179,270	183,750	188,460	193,420	198,650	204,170	210,000

A.A.R. CLASS FD

		№ 679103	№ 679104	№ 679105	№ 679108	№ 679109	№ 679110
1.-	**GENERAL**						
2.	CAPACITY (105-TONS)	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.
3.	LIGHT WEIGHT	143,400 LBS.	142,500 LBS.	143,200 LBS.	143,200 LBS.	143,300 LBS.	144,000 LBS.
4.	LOAD LIMIT ☆	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.
5.	MAX. LOAD ON RAILS	354,200 LBS.	354,200 LBS.	354,200 LBS.	354,200 LBS.	354,200 LBS.	354,200 LBS.
6.-	**BODY**						
7.	UNDERFRAME	ONE PIECE CAST STEEL (GENERAL STEEL CASTINGS CORP.)					
8.	SUPERSTRUCTURE	NONE					
9.	SHEATHING	NONE					
10.	ENDS	NONE					
11.	FLOORING, CENTER	2" THICK CAST STEEL, PERFORATED FOR ANCHOR BOLTS					
12.	FLOORING, ENDS	(FOR REPLACEMENT USE ⅜" STL. PLT.) 2¾" THICK WOOD DECKING					
13.	LADING ANCHORS	12 "AZEE" LADING BAND ANCHORS AT EACH END					
14.	PAINTING	1 COAT PRIMER & 1 COAT BLACK CAR CEMENT					
15.	STENCILING	WHITE STENCIL PAINT					
16.	NEGOTIABLE CURVE	150' RADIUS					
17.	CENTER OF GRAVITY, LIGHT CAR	21½" ABOVE RAIL					
18.-	**DRAFT GEAR**						
19.	TYPE	CARDWELL-WESTINGHOUSE MARK H-60 HYDRAULIC-FRICTION					
20.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE					
21.	COUPLER	TYPE "E", BOTTOM OPERATING COUPLERS					
22.	UNCOUPLING DEVICE	"STANDARD" COUPLER DEVICE ~ (STD. RWY. EQUIP. CO.)					
23.-	**BRAKES**						
24.	BRAKE SCHEDULE	A-1 REDUCT. RELAY VALVE ; DOUBLE WESTINGHOUSE AB-1012					
25.	BRAKE POWER						
26.	BRAKE ADJUSTER	MANUAL					
27.	HAND BRAKES	UNIVER'L. MULTI-POWER HAND BRAKE WITH DROP BRAKE STAFF; BOTH ENDS					
28.-	**TRUCKS**						
29.	TYPE	COMMONWEALTH 6-WHEEL EQUALIZER TRUCK ; **A.C.L. CLASS T-125**					
30.	TRUCK SPRINGS	DOUBLE COIL SPRINGS, A.A.R. D-2 ;					
31.	SIDE BEARINGS	FRICTION TYPE					
32.	SNUBBER	SYMINGTON-GOULD CORP., TYPE SBS					
33.	AXLES	6½" x 12" FREIGHT CAR ROLLER BEARING AXLES; A.A.R. PLATE D-6C-1956					
34.	BRAKE BEAMS	A.A.R. № 18 BRAKE BEAMS					
35.	JOURNAL BEARINGS	TIMKEN 6½" x 12" ALL-PURPOSE HEAVY DUTY, TYPE "AP"					
36.	JOURNAL BRG. LUBRICANT	A.A.R. ROLLER BEARING GREASE					
37.	TRUCK LEVERS	A.C.L. SHOP MADE					
38.-	**MISCELLANEOUS**						
39.	DEFECT CARD HOLDER						
40.	PIPE FITTINGS	DRESSER					

PULPWOOD ~ SCL Nos 842000-842796 ~ CLASS WS-3

797 CARS BUILT 1940 BY NEWPORT NEWS SHIPBUILDING & DRY DOCK CO., USING RE-USABLE PARTS FROM ORIGINAL GONDOLA CARS AS BUILT IN 1923 & 1926 BY STANDARD STEEL CAR CO., IN 96000, 97000, 98000 & 99000 SERIES.~ RENUMBERED TO S.A.L. Nos 42000-42796 BY N.N.S.B. & D.D. CO., THEIR J.O. 3338-V & J.O. 3407-V. S.A.L. SPEC. 1947-B.

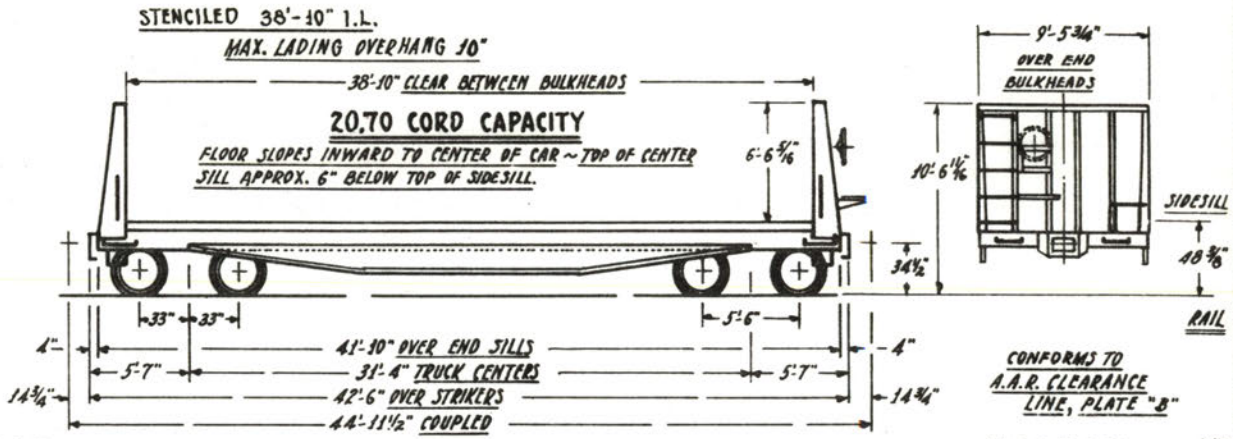
WHEELS:- A.A.R. 33" DIA.

NOTE 1:- CARS ARE IN THE PROCESS OF HAVING ANDREWS TRUCKS CHANGED OUT FOR A.A.R. TYPE TRUCKS.

NOTE 2:- SIDE SILLS HAVE BEEN MADE INTO FISHBELLY TYPE BY WELDING 1/4" x 18 1/4" WEB PLATE WITH 3" x 3" x 3/8" ANGLE BOTTOM CHORD TO PRESENT 10" CHANNEL, BOLSTER TO BOLSTER AS SHOWN ON PRE. SKETCH 7-7-62.

NOTE 3:- SOME CARS IN THIS SERIES HAVE LOW HAND BRAKE APPLIED, 2'-9" ABOVE TOP OF ENDSILL, S.A.L. DRWG. No CB-4211.

NOTE 4:- 2 EACH SIDE CENTER 16'-4 1/2" LG.
1 EACH SIDE ENDS 11'-8 1/2" LG.



GEN. ARRGT. NEWPORT NEWS S.B. & D.D. CO.'S DRWG. No 181963 & S.A.L. CB-4207-E.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHTWEIGHT	36,100 LBS.
4.	LOAD LIMIT	140,900 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	2 A.A.R. Z-26 SECTIONS @ 36.21#, WELDED FULL LENGTH,
8.		WITH 3 1/2" x 1/2" x 16'-0" LG. REINF. BAR EACH SIDE BOTTOM
9.	STRIKER & FRONT DRAFT LUGS	CAST STEEL OR BUILT-UP WELDED TYPE; DRWGS. C4-2047, C1-2046
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL OR BUILT-UP WELDED TYPE; DRWGS. C2-2044, C1-2042
11.	BODY BOLSTERS	5/16" WEB PLATES; 14" x 1/2" TOP & 14 1/2" x 1/2" BOT. COVER PLATES
12.	BODY CENTER PLATE	CAST STEEL; S.C.L. DRWG. No CA-54, PATT. No F-319-N
13.	BODY SIDE BEARING BRACE	4" x 1/4" STEEL BAR
14.	END SILLS	10" x 3 1/2" @ 21.9# CHANNELS; SIDESILL TO CENTER SILL
15.	FLOOR STIFFENERS	2 1/2" x 2" x 1/4" ANGLES; SEE NOTE 4 ABOVE
16.	END BULKHEADS	1/4" PLATE BOTTOM; 3/16" PLATE TOP, FORMED FOR COVER; 5/16" END POST, SIDES
17.		FORMED ANGLE SHAPE, 5/16" CENTER POSTS FORMED ANGLE, 2 1/2" x 2 1/2" x 1/4" ANGLE INTER. BRACE & 2 1/2" x 5/16" FLAT BAR BRACE
18.	SIDE SILLS	10" @ 21.9# CHAN.; 3" x 1" x 16'-0" LG. REINF. BAR ON BOT., 6" x 3 1/2" x 3/8" ANGLE ON TOP; SEE NOTE 2
19.	CROSSBEARERS (2 PER CAR)	1/4" WEB PLATES WITH 8" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (5 PER CAR)	6" x 2 1/2" @ 12.# CHANNELS
21.	FLOOR	1/4" STEEL PLATE WITH 2 1/2" BARK SLOTS EACH SIDE CENTER SILL
22.	BRAKE STEP	No 12 GA. STEEL 10" x 29" SHOPMADE & MORTON "OPEN-GRIP", S.A.L. DRWG. C3-4570
23.	ROPING STAPLE (2 PER CAR)	1 1/4" DIA. ROD LOOP; B.R. & A.L. SIDES
24.	DRAFT KEY	6" x 1 1/2" x 19 1/4" WITH ROUND EDGES; S.A.L. DRWG. No C2-2572
25.	DRAFT KEY RETAINER	STD. TEE HEAD TYPE; S.A.L. DRWG. No C1-2525
26.	DRAFT GEAR CARRIER	5/8" x 8" x 20 1/2" WITH (6) 7/8" DIA. BOLTS
27.	BRAKE BARREL PLATE	CAST IRON
28.	BODY BRAKE LEVERS	12 1/4" x 22" CYLINDER & 8 1/2" x 15 1/4" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	5/8" DIA. ROD "U" BOLT
31.	**DRAFT GEAR**	
32.	TYPE	WESTINGHOUSE FRICTION TYPE HY-11-E OR HY-11-F; S.A.L. DRWG. No C4-2325
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B", CAT. No Y-40; S.A.L. DRWG. No C3-6289
34.	COUPLER	CAST STEEL, 6" x 8" x 21 1/4" SHANK; S.A.L. DRWG. No C4-2325 (TOP OPERATED)
35.	COUPLER RELEASE RIGGING	TOP OPERATED; "IMPERIAL" TYPE "D" OR OTHERS; S.A.L. No C3-2647
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	E.H. PIPE
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & 1/2" DIA. ROD "U" BOLT CLAMPS
40.	BRAKE POWER	15% OF GROSS RAIL LOAD @ 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	AJAX No 3011
43.	HAND BRAKES	VERTICAL WHEEL, AJAX-CONSOLIDATED CO'S DRWG. No 13396-N;
44.		S.A.L. DRWGS. CB-6211 & C9-4571; (SEE NOTE 3 ABOVE)
45.	**TRUCKS**	
46.	TYPE	5 1/2" x 10" ANDREWS; S.A.L. DRWG. No C4-2449 (SEE NOTE 1 ABOVE)
47.	SIDE BEARINGS	SINGLE ROLLER TYPE, A. STUCKI CO.; S.A.L. DRWG. No C1-1719
48.	SNUBBER	NONE
49.	BRAKE SHOES	A.A.R. A1
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10", "D" ~ FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. 18, HANGER TYPE; S.A.L. DRWG. No C3-4429
56.	SPRINGS	1 5/16" TRAVEL; 16 DOUBLE COIL
57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; FORGED STEEL
58.	BRAKE LEVERS	8" x 16" FORGED STEEL

FLATS & COL. 1000

FREIGHT BOOK No 3

5-15-69

PULPWOOD ~ SCL Nos 842800-842899 ~ CLASS WS-3

100 CARS BUILT 1951 BY S.A.L.R.R. AT PORTSMOUTH, VA. SHOPS WITH UNDERFRAME & BODY MATERIAL FABRICATED BY BETH. STEEL CO., USING RE-USABLE PARTS (TRUCKS, CASTINGS, FORGINGS, ETC.) ~ FROM ORIGINAL GONDOLA CARS, SERIES 96000, 97000, 98000 & 99000 AS BUILT 1923 & 1926 BY STAND. STEEL CAR CO. ~ RENUMBERED TO S.A.L. Nos 42800-42899.

WHEELS:- A.A.R. 33" DIA.

NOTE 1:- CARS ARE IN THE PROCESS OF HAVING ANDREWS TRUCKS CHANGED OUT FOR A.A.R. TYPE TRUCKS.

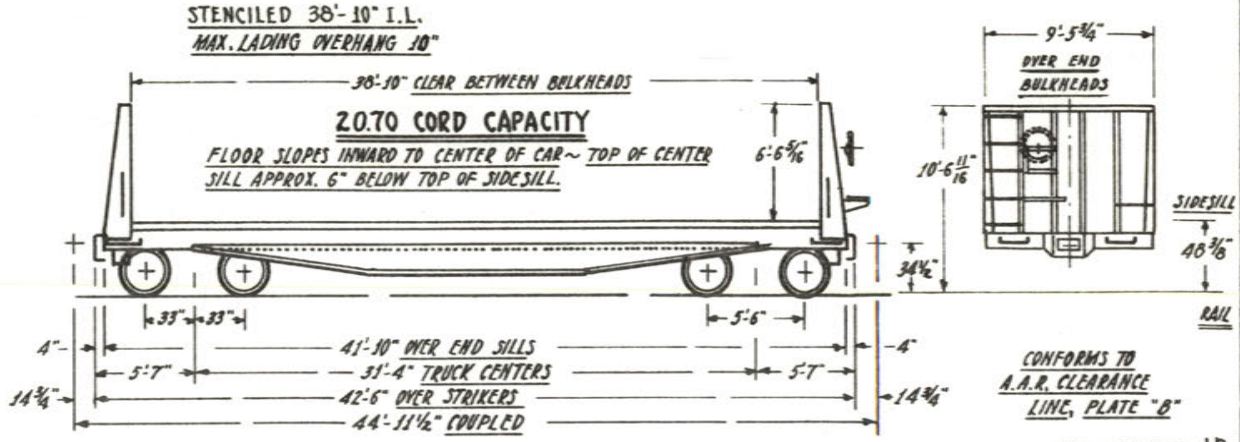
NOTE 2:- SIDE SILLS HAVE BEEN MADE INTO FISHBELLY TYPE BY WELDING 1/4" x 18 1/4" WEB PLATE WITH 3" x 3" x 3/8" ANGLE BOTTOM CHORD TO PRESENT 10" CHANNEL, BOLSTER TO BOLSTER AS SHOWN ON PRE. SKETCH 7-7-62.

NOTE 3:- CAR No 842842 HAS BULKHEAD HEIGHT OF 10'-2".

NOTE 4:- SOME CARS IN THIS SERIES HAVE LOW HAND BRAKE APPLIED, 2'-9" ABOVE TOP OF ENDSILL. ~ S.A.L. DRWG. No C8-4211.

NOTE 5:- 2 EACH SIDE CENTER, 16'-4 1/2" LG. 1 EACH SIDE ENDS, 11'-8 1/2" LG.

GEN. ARRGT. S.A.L. DRWG. No C8-4207-E.



A.A.R. MECH. DESIGNATION LP

1.	GENERAL	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHTWEIGHT	36,100 LBS.
4.	LOAD LIMIT	140,900 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	BODY	
7.	CENTERSILL	2 A.A.R. Z-26 SECTIONS @ 36.21#, WELDED FULL LENGTH,
8.		WITH 3 1/2" x 1/2" x 16'-0" LG. REINF. BAR EACH SIDE BOTTOM
9.	STRIKER & FRONT DRAFT LUGS	CAST STEEL OR BUILT-UP WELDED TYPE; DRWGS. C4-2047, C1-2046
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL OR BUILT-UP WELDED TYPE; DRWGS. C2-2044, C1-2042
11.	BODY BOLSTERS	5/16" WEB PLATES; 14" x 1/2" TOP & 14 1/2" x 1/2" BOT. COVER PLATES
12.	BODY CENTER PLATE	CAST STEEL; S.C.L. DRWG. No CA-54, PATT. No F-319-N
13.	BODY SIDE BEARING BRACE	4" x 1/4" STEEL BAR
14.	END SILLS	10" x 3 1/2" @ 21.9# CHANNELS; SIDESILL TO CENTER SILL
15.	FLOOR STIFFENERS	2 1/2" x 2" x 1/4" ANGLES; SEE NOTE 5 ABOVE
16.	END BULKHEADS	1/4" PLATE BOTTOM; 3/16" PLATE TOP, FORMED FOR COVER; 5/16" END POST (SIDES)
17.		1 EDGE FLANGED, 5/16" CENTER POSTS FORMED ANGLE, 2 1/2" x 2 1/2" x 1/4" ANGLE INTER BRACE & 2 1/2" x 5/16" FLAT BAR BRACE
18.	SIDE SILLS	10" @ 21.9# CHAN.; 5" x 1" x 16'-0" LG. REINF. BAR ON BOT., 6" x 3 1/2" x 3/8" ANGLE ON TOP; SEE NOTE 2
19.	CROSSBEARERS (2 PER CAR)	1/4" WEB PLATES WITH 8" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (5 PER CAR)	6" x 2 1/2" @ 12# CHANNELS
21.	FLOOR	1/4" STEEL PLATE WITH 2 1/2" WIDE BARK SLOTS EACH SIDE CENTER SILL
22.	BRAKE STEP	No 12 GA. STEEL 10" x 29" SHOPMADE & MORTON "OPEN-GRIP", S.A.L. DRWG. C3-4570
23.	ROPING STAPLE (2 PER CAR)	1 1/4" DIA. ROD LOOP; B.R. & A.L. SIDES
24.	DRAFT KEY	6" x 1 1/2" x 19 1/4" WITH ROUND EDGES; S.A.L. DRWG. No C2-2572
25.	DRAFT KEY RETAINER	STD. TEE HEAD TYPE; S.A.L. DRWG. No C1-2525
26.	DRAFT GEAR CARRIER	5/8" x 8" x 20 1/2" WITH (6) 7/8" DIA. BOLTS
27.	BRAKE BADGE PLATE	CAST IRON
28.	BODY BRAKE LEVERS	12 1/4" x 22" CYLINDER & 8 1/2" x 15 1/4" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	5/8" DIA. ROD "U" BOLT
31.	DRAFT GEAR	
32.	TYPE	WESTINGHOUSE FRICTION TYPE NY-11-E OR NY-11-F; S.A.L. DRWG. No C4-2325
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B", CAT. No Y-40; S.A.L. DRWG. No C3-6289
34.	COUPLER	CAST STEEL, 6" x 8" x 21 1/4" SHANK; S.A.L. DRWG. No C4-2325 (TOP OPERATED)
35.	COUPLER RELEASE RIGGING	TOP OPERATED; "IMPERIAL" TYPE "D" OR OTHERS; S.A.L. No C3-2647
36.	BRAKES	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	E.H. PIPE
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR & 1/2" DIA. ROD "U" BOLT CLAMPS
40.	BRAKE POWER	15% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	AJAX No 3011
43.	HAND BRAKES	VERTICAL WHEEL; AJAX-CONSOLIDATED CO.'S DRWG. No 13396-N;
44.		S.A.L. DRWGS. C8-6211 & C9-4571; (SEE NOTE 4 ABOVE)
45.	TRUCKS	
46.	TYPE	5 1/2" x 10" ANDREWS; S.A.L. DRWG. No C4-2449 (SEE NOTE 1 ABOVE)
47.	SIDE BEARINGS	SINGLE ROLLER TYPE, A. STUCKI CO.; S.A.L. DRWG. No C1-1719
48.	SNUBBER	NONE
49.	BRAKE SHOES	A.A.R. A1
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10", "D" ~ FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. 18, HANGER TYPE; S.A.L. DRWG. No C3-4429
56.	SPRINGS	1 5/8" TRAVEL; 16 DOUBLE COIL
57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; FORGED STEEL
58.	BRAKE LEVERS	8" x 16" FORGED STEEL

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FLATS & PULPWOOD

FREIGHT BOOK No. 3

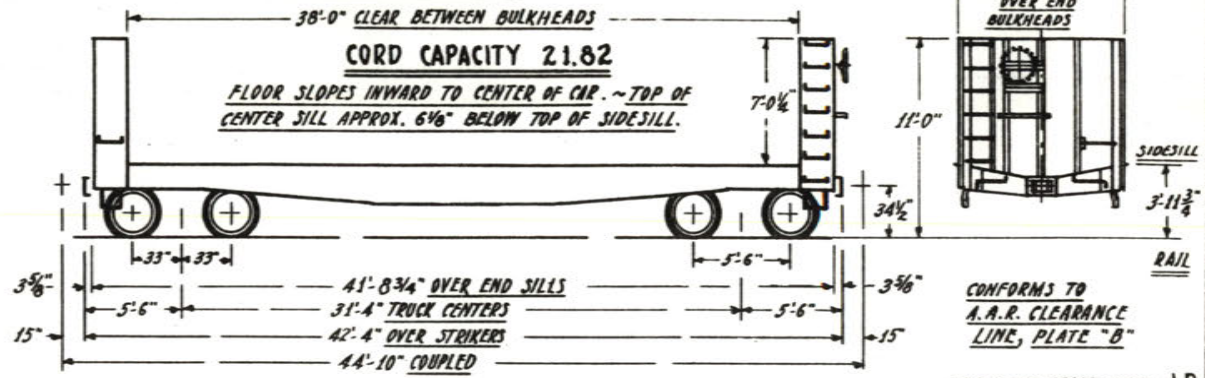
PULPWOOD ~ SCL Nos 842900-842924 ~ CLASS WS-2

25 CARS BUILT 1956 BY MAGOR CAR CORP., AT CLIFTON, N.J., TO THEIR SPEC. No 1908-A, THEIR ORDER W-3689 FOR M.D. & S.; M.D. & S. CAR Nos 5900-5924. ~ TAKEN INTO S.A.L. ACCOUNTS, 3-1-58, AS S.A.L. CARS Nos 42900-42924.

WHEELS:- A.A.R. 33" DIA., 1-W WROT STEEL.

NOTE:- RECORDS RECEIVED BY S.A.L. FROM M.D. & S. ARE INCOMPLETE.

STENCILED 38'-0" I.L.
MAX. LADING OVERHANG 11"



GEN. ARRGT. MAGOR CAR CORP.'S DRWG. No T-17892.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHTWEIGHT	40,900 LBS.
4.	LOAD LIMIT	136,100 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY DESIGN; (2) 24" WF BEAMS @ 84#, 12" DEEP
8.		AT BOLSTER WITH 5"x¼" CLOSING PLATES ON TOP FLANGES, ALLOWING FOR DRAINAGE
9.	STRIKER	CAST STEEL
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL
11.	BODY BOLSTERS	¼" PRESSED PANS; 18"x7/16"x8'-4⅝" TOP & 18"x7/16"x9'-2⅜" BOT. COVER PLATES
12.	BODY CENTER PLATE	11¾" DIA. BOWL; A.A.R., DROP FORGED
13.	BODY SIDE BEARING BRACE	⅜" FORMED PLATE, INVERTED "U" SHAPE
14.	END SILLS	⅜" PLATE FORMED CHANNEL SHAPE; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	NONE
16.	END BULKHEADS	5/16" PLATE END SHEET; 5/16" PLATE FORMED ZEE END POST AT SIDES;
17.		5/16" PLATE FORMED CHANNEL END POSTS, INTER. & CENTER; 6"x6"x⅜" END TOP ANGLE 9'-1" LONG
18.	SIDE SILLS	FISHBELLY DESIGN, BUILT-UP; 5/16" WEB, 6"x4"x⅜" ANGLE TOP CHORD, 4"x4"x⅜" ANGLE BOT. CHORD
19.	CROSSBEARERS (3 PER CAR)	¼" WEB PLATE & 7"x5/16" TOP & BOTTOM COVER PLATES
20.	CROSSTIES (6 PER CAR)	3/16" PRESSED CHANNEL SHAPES, 8" DEEP
21.	FLOOR	¼" STEEL PLATE, SLOPED BETWEEN SIDE & CENTER SILLS; WELDED TO UNDERFRAME
22.	BRAKE STEP	
23.	ROPING STAPLE (2 PER CAR)	1¼" DIA. ROD LOOP, MAGOR DESIGN
24.	FLOOR STRINGERS	2 EACH SIDE CENTERSILL, 3" ZEES @ 6.7#, ENDSILL TO ENDSILL
25.	DRAFT KEY RETAINER	
26.	DRAFT GEAR CARRIER	8"x⅝"x20⅜" PLATE & (6) ¾" RIVETS
27.	BRAKE BADGE PLATE	CAST ALUMINUM; MAGOR DESIGN
28.	BODY BRAKE LEVERS	10¾"x11¼", FLOATING WITH HANDLE & 17"x17¾", CYLINDER; SCHAEFER
29.	DEFECT CARD HOLDER	"APEX"; RWY. PRODUCTS CO.
30.	ANGLE COCK HOLDER	⅝" DIA. ROD "U" BOLT
31.	**DRAFT GEAR**	
32.	TYPE	A.A.R. FRICTION TYPE
33.	COUPLER YOKE	A.A.R. STR. VERTICAL PLANE, CAST STEEL; CAT. No Y-40
34.	COUPLER	CAST STEEL, TYPE "E", 6¼"x8"x21¼" SHANK; CAT. No E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATING; STR. RWY. EQUIP. MFG. CO.
36.	**BRAKES**	
37.	SCHEDULE	STR. AB-1012
38.	FITTINGS	UNIONS & COUPLINGS
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR & PIPE CLAMPS, ILL. RWY. EQ. CO.
40.	BRAKE POWER	17.09% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	MANUAL, MULTIPLE HOLE TYPE
42.	BELL CRANK	
43.	HAND BRAKES	A.A.R. GEARED TYPE WITH VERTICAL WHEEL
44.		
45.	**TRUCKS**	
46.	TYPE	5½"x10", SPRING PLANKLESS, A-3 RIDE CONTROL, 2½" SPRING TRAVEL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	A.A.R. 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	A.A.R. STR. 5½"x10" FRICTION TYPE
53.	JOURNAL BEARINGS	A.A.R. STR. 5½"x10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. No 18 UNIT TYPE
56.	SPRINGS	2½" TRAVEL; 20 OUTER, 8 INNER COILS & 8 DOUBLE COIL RIDE CONTROL
57.	BOTTOM ROD CONN.	35" BETWEEN INSIDE HOLES, 2-HOLE TYPE; SCHAEFER
58.	BRAKE LEVERS	5"x10" & 7"x14"; SCHAEFER

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OK Nº 3

PULPWOOD ~ SCL Nos 843000-843421 ~ CLASS WS-3

422 CARS BUILT 1949 BY NEWPORT NEWS SHIPBUILDING & DRY DOCK CO., USING RE-USABLE PARTS FROM ORIGINAL BOX CARS, SERIES 12000-12999, AS BUILT BY PRESSED STEEL CAR CO. IN 1926 ~ N.N.S.B. & D.D. CO.'S JOB ORDER 3408-V ~ S.A.L. SPEC. 1948-1, S.A.L. CAR Nos 43000-43421.

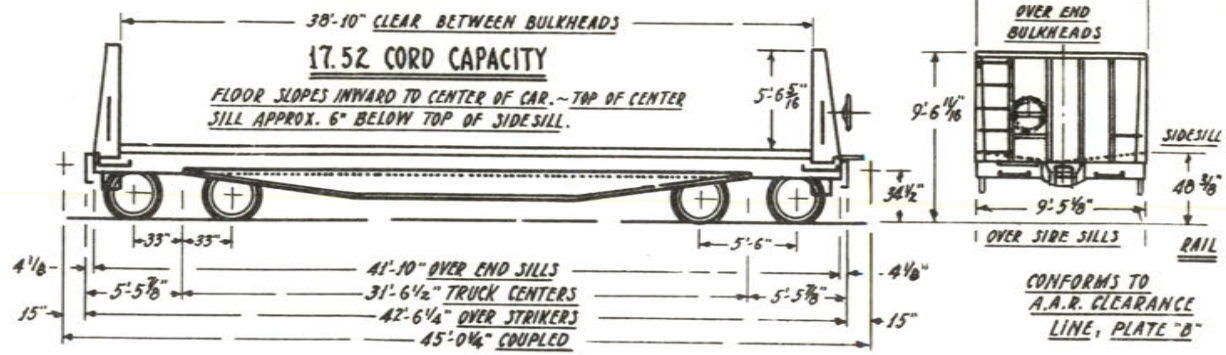
WHEELS:- A.A.R. 33" DIA.

NOTE 1:- CARS ARE IN THE PROCESS OF HAVING ANDREWS TRUCKS CHANGED OUT FOR A.A.R. TYPE TRUCKS.

NOTE 2:- SIDE SILLS HAVE BEEN MADE INTO FISH BELLY TYPE BY WELDING 1/4" x 18 1/4" WEB PLATE WITH 3" x 3" x 3/8" ANGLE BOTTOM CHORD TO PRESENT 10" CHANNEL, BOLSTER TO BOLSTER. ~ AS SHOWN ON PRE. SKETCH 7-7-62.

NOTE 3:- 2 EACH SIDE (CENTER), 16'-4 1/2" LG.
1 EACH SIDE (ENDS), 11'-8 1/2" LG.

STENCILED 38'-10" I.L.
MAX. LADING OVERHANG 10"



GEN. ARRGT. N.N.S.B. & D.D. CO. DRWG. Nº 192485 & S.A.L. CB-4286

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(44-TONS) 88,000 LBS.
3.	LIGHTWEIGHT	34,300 LBS.
4.	LOAD LIMIT	107,700 LBS.
5.	MAX. LOAD ON RAILS	142,000 LBS.
6.	**BODY**	
7.	CENTERSILL	2 A.A.R. Z-26 SECTIONS @ 36.21 #, WELDED FULL LENGTH
8.		WITH 3 1/2" x 1/2" x 16'-0" LG. REINF. EACH SIDE BOTTOM; (20) 15/16" DRAIN HOLES IN TOP
9.	STRIKER	CAST STEEL; S.A.L. PATT. FS-2302, DRWG. C3-2630; REWORKED TO SUIT DRWG. 192487
10.	BOLSTER CTR FILL & REAR DRAFT LUGS	CAST STEEL; S.A.L. PATT. FS-2448, DRWG. C2-2319
11.	BODY BOLSTERS	5/16" WEB PLATES, 14" x 1/2" TOP & 14 1/2" x 1/2" BOT. COVER PLATES
12.	BODY CENTER PLATE	11 3/4" DIA. BOWL, DROP FORGED; S.C.L. DRWG. Nº CA-54
13.	BODY SIDE BEARING BRACE	4" x 1/2" STEEL BAR
14.	END SILLS	10" x 3 1/2" @ 21.9 # CHANNEL; SIDESILL TO SIDESILL, COPED OUT FOR CENTER SILL
15.	FLOOR STIFFENERS	2 1/2" x 2" x 1/4" ANGLES (SEE NOTE 3 ABOVE)
16.	END BULKHEADS	1/4" PLATE BOTTOM SECTION; 3/16" PLATE TOP, FORMED FOR COVER; 5/8" PLATE END POST
17.		1 EDGE FLANGED; 5/16" PLATE CENTER POST, 1 EDGE FLANGED; 2 1/2" x 2 1/2" x 1/4" ANGLE & 2 1/2" x 5/16" FLAT BAR INTER. BRACES
18.	SIDE SILLS	10" @ 21.9# CHAN.; 3" x 1" x 16'-0" LG. REINF. BAR ON BOT., 6" x 3 1/2" x 3/8" ANGLE ON TOP (SEE NOTE 2 ABOVE)
19.	CROSSBEARERS (2 PER CAR)	1/4" WEB PLATES WITH 8" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (5 PER CAR)	6" x 2 1/2" @ 12.# CHANNELS
21.	FLOOR	1/4" STEEL PLATE, SIDESILL TO CENTER SILL; 2 1/2" BARK SLOTS EACH SIDE CENTER SILL
22.	BRAKE STEP	MORTON "OPEN GRIP"; S.A.L. DRWG. Nº C3-4570
23.	ROPING STAPLE (2 PER CAR)	1 1/8" DIA. ROD LOOP
24.	DRAFT KEY (4)	6" x 1 1/2" x 18 3/4" WITH ROUND EDGES; S.A.L. DRWG. Nº C2-2572
25.	DRAFT KEY RETAINER (4)	STD. TEE HEAD TYPE; S.A.L. DRWG. Nº C1-2525
26.	DRAFT GEAR CARRIER	5/8" x 8" x 19 3/8" WITH (6) 3/4" RIVETS; S.A.L. DRWG. Nº C2-2572
27.	BRAKE BADGE PLATE	CAST IRON; PATT. FC-2901, N.N.S.B.'S DRWG. 192489
28.	BODY BRAKE LEVERS	11" x 22 3/4" CYLINDER & 7 3/4" x 16" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	5/8" DIA. ROD "U" BOLT
31.	**DRAFT GEAR**	
32.	TYPE	CARDWELL SPRING BARREL FRICTION TYPE NZ-11-E, FARLOW ATTACHMENTS; DRWG. C4-2310
33.	COUPLER YOKE	HORIZONTAL FORGED STEEL FOR FARLOW ATTACHMENTS; S.A.L. DRWG. C2-5096
34.	COUPLER	TOP OPERATED, CAST STEEL, 6" x 8" x 21 1/4" SHANK
35.	COUPLER RELEASE RIGGING	TOP OPERATING, "IMPERIAL TYPE D"; S.A.L. DRWG. C3-2647
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	E.H. PIPE & 1/2" DIA. ROD "U" BOLT CLAMPS
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR
40.	BRAKE POWER	16.1% OF GROSS RAIL LOAD AT 50 # CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	CAST STEEL; AJAX OR UNIVERSAL
43.	HAND BRAKES	VERTICAL WHEEL POWER UNIT, AJAX OR UNIVERSAL;
44.		N.N.S.B. & D.D. CO.'S DRWG. Nº 192491
45.	**TRUCKS**	
46.	TYPE	5 1/2" x 10" ANDREWS; S.A.L. DRWG. Nº C4-2449 ~ (SEE NOTE 1 ABOVE)
47.	SIDE BEARINGS	SINGLE ROLLER TYPE, A. STUCKI CO.; S.A.L. DRWG. Nº C1-1719
48.	SNUBBER	NONE
49.	BRAKE SHOES	A.A.R. A-1
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10" "D" FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 18, HANGER TYPE; S.A.L. DRWG. Nº C3-4429
56.	SPRINGS	1 5/8" TRAVEL, 16 DOUBLE COIL
57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; FORGED STEEL
58.	BRAKE LEVERS	8" x 16" FORGED STEEL

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FLATS & PULPWOOD

FREIGHT BOOK No 3

PULPWOOD ~ SCL Nos 843500-844199 ~ CLASS WS-3

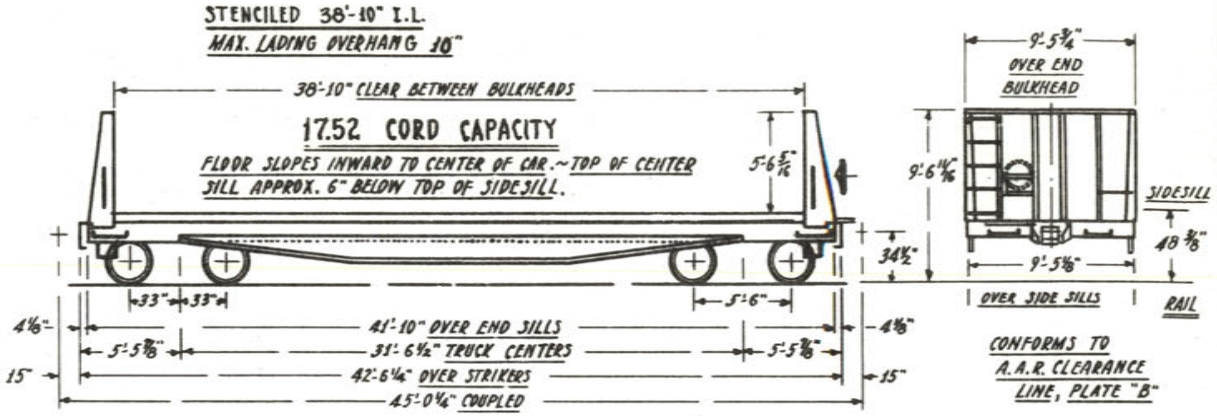
700 CARS BUILT NEW BY S.A.L.R.R. AT PORTSMOUTH, VA. SHOPS WITH UNDERFRAME & BODY MATERIAL FABRICATED BY BETHLEHEM SPARROWS POINT SHIP YARD, INC. ~ USING RE-USABLE PARTS (TRUCKS, CASTINGS, FORGINGS, ETC.) FROM ORIGINAL SERIES 12000, 28000, 29000 & 79000 BOX CARS BUILT IN 1922-23 BY CHICASAW & PRESSED STEEL CAR CO. ~ S.A.L. Nos 43500-44199.

WHEELS: A.A.R. 33" DIA.

NOTE 1:- SOME CARS IN THIS SERIES HAVE ANDREWS TRUCKS REPLACED WITH A.A.R. TYPE TRUCKS. ~ CAR Nos 844100-844199 HAVE 5" x 9" TRUCKS AS SHOWN ON S.A.L. DRWGS. C4-2957 & C8-1694.

NOTE 2:- SIDESILLS HAVE BEEN MADE INTO FISHBELLY TYPE BY WELDING 1/4" x 18 3/4" WEB PLATE WITH 3" x 3" x 3/8" ANGLE BOTTOM CHORD TO PRESENT 10" CHANNEL, BOLSTER TO BOLSTER AS SHOWN ON PRE. SKETCH 7-7-62.

NOTE 3:- 2 EACH SIDE (CENTER) 16'-4 1/2" LG.
1 EACH SIDE (ENDS) 11'-8 1/2" LG.



GEN. ARRGT. BETH. SP. PT. S.Y., INC. DRWG. No C.Q.D. 3190-1 & S.A.L. C8-4580

A.A.R. MECH. DESIGNATION LP

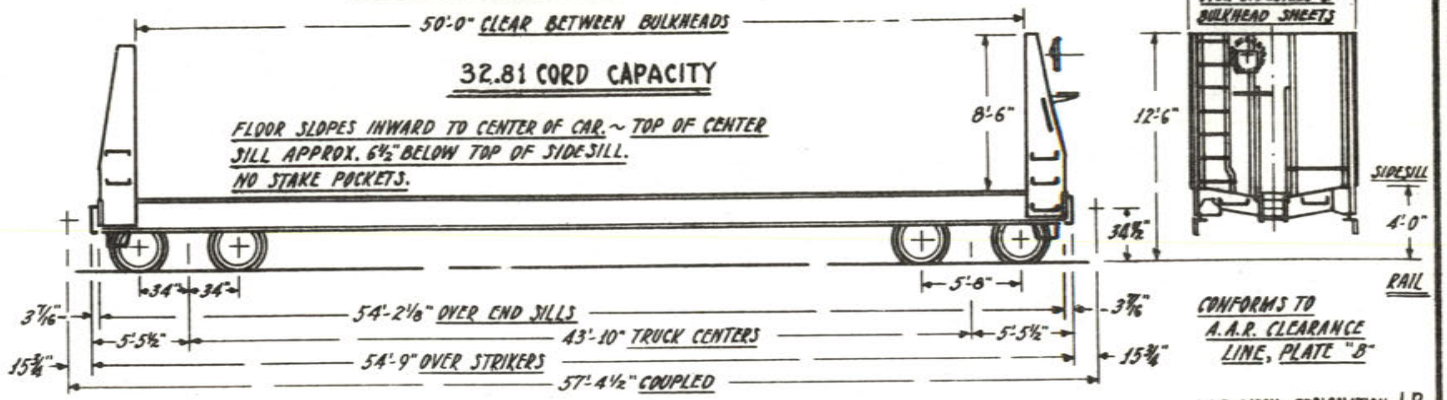
1.	**GENERAL**	
2.	CAPACITY (44-TONS)	88,000 LBS.
3.	LIGHTWEIGHT	34,300 LBS.
4.	LOAD LIMIT	107,700 LBS.
5.	MAX. LOAD ON RAILS	142,000 LBS.
6.	**BODY**	
7.	CENTERSILL	2 A.A.R. Z-26 SECTIONS @ 36.21#, WELDED FULL LENGTH
8.		WITH 3 1/2" x 1/2" x 16'-0" LG. REINF. BAR, EACH SIDE BOTTOM; (20) 15/16" DIA. DRAIN HOLES IN TOP
9.	STRIKER	CAST STEEL; S.A.L. DRWG. Nos C3-2630 & C3-2635; REWORKED TO DRWG. No C4-4578
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS	BUILT-UP CENTER FILLER & CAST STEEL LUG; DRWG. C4-4578
11.	BODY BOLSTERS	5/16" WEB PLATES; 14" x 1/2" TOP & 14 1/2" x 1/2" BOT. COVER PLATES
12.	BODY CENTER PLATE	11 3/4" DIA. BOWL, DROP FORGED; S.C.L. DRWG. No CA-54
13.	BODY SIDE BEARING BRACE	4" x 1/2" STEEL BAR, 7 1/2" LG.
14.	END SILLS	10" @ 21.9# CHANNEL; SIDESILL TO SIDESILL, COPED OUT FOR CENTER SILL
15.	FLOOR STIFFENERS	2 1/2" x 2" x 1/4" ANGLES (SEE NOTE 3 ABOVE)
16.	END BULKHEADS	1/4" PLATE BOT.; 3/16" PLATE TOP, FORMED FOR COVER; 5/16" PLATE END POST, 1 EDGE
17.		FLANGED; 5/16" PLATE CENTER POST, 1 EDGE FLANGED; 2 1/2" x 2 1/2" x 1/4" ANGLE & 2 1/2" x 5/16" FLAT BAR INTER. BRACES
18.	SIDE SILLS	10" @ 21.9# CHAN.; 3" x 3" x 20'-0" LG. REINF. BAR ON BOT.; 6" x 3 1/2" x 3/8" ANGLE ON TOP (SEE NOTE 2 ABOVE)
19.	CROSSBEARERS (2 PER CAR)	1/4" WEB PLATES WITH 8" x 3/8" TOP & BOT. COVER PLATES
20.	CROSSTIES (5 PER CAR)	6" x 2 1/2" @ 12.# CHANNEL
21.	FLOOR	1/4" STEEL PLATE, SIDESILL TO CENTER SILL; 2 1/2" BARK REMOVAL SLOTS EACH SIDE CENTER SILL
22.	BRAKE STEP	MORTON "OPEN GRIP"; S.A.L. DRWG. No C3-4570
23.	ROPING STAPLE	NONE
24.	DRAFT KEY (4 PER CAR)	6" x 1 1/2" x 18 3/4" WITH ROUND EDGES; S.A.L. DRWG. No C2-2572
25.	DRAFT KEY RETAINER (4 PER CAR)	"AZEE"; ILL. RWY. EQUIP. CO.'S No 692-A
26.	DRAFT GEAR CARRIER (2 PER CAR)	5/8" x 8" x 20 3/8" STEEL PLATE WITH (6) 3/4" RIVETS; DRWG. C.Q.D.-3190-4
27.	BRAKE BADGE PLATE	CAST IRON; PATT. FC-2904, S.A.L. DRWG. No C8-4583
28.	BODY BRAKE LEVERS	11" x 22 3/4" CYLINDER & 7 3/4" x 16" FLOATING; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	5/8" DIA. ROD "U" BOLT
31.	**DRAFT GEAR**	
32.	TYPE	VARIOUS; S.A.L. DRWG. No C4-4578 & BETH.'S DRWG. No C.Q.D.-3190-10
33.	COUPLER YOKE	TO SUIT TYPE GEAR
34.	COUPLER	TOP OPERATED, CAST STEEL, 6" x 8" x 21 1/2" SHANK; S.A.L. DRWG. C4-2325
35.	COUPLER RELEASE RIGGING	TOP OPER'G., "IMPERIAL TYPE D"; S.A.L. DRWG. Nos C3-2647 & C8-4586
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STR. AB-1012
38.	FITTINGS	E.H. PIPE & 1/2" DIA. ROD "U" BOLT CLAMPS
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR
40.	BRAKE POWER	16.1% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	MANUAL
42.	BELL CRANK	CAST STEEL, AJAX OR UNIVERSAL; S.A.L. DRWG. No C8-4586
43.	HAND BRAKES	VERTICAL WHEEL, POWER UNIT, AJAX OR UNIVERSAL; S.A.L.
44.		DRWG. No C8-4586; FOR RELOCATION TO HIGHBRAKE & STEP, SEE DRWG. No C4-4572
45.	**TRUCKS**	
46.	TYPE	5 1/2" x 10" ANDREWS; S.A.L. DRWG. No C4-2449 (SEE NOTE 1 ABOVE)
47.	SIDE BEARINGS	SINGLE ROLLER TYPE, A. STUCKI CO.; S.A.L. DRWG. No C1-1719
48.	SNUBBER	NONE
49.	BRAKE SHOES	A.A.R. 1A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	5 1/2" x 10" FRICTION TYPE
53.	JOURNAL BEARINGS	5 1/2" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. No 18, HANGER TYPE
56.	SPRINGS	1 5/16" TRAVEL, 16 DOUBLE COIL
57.	BOTTOM ROD CONN.	40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; FORGED STEEL
58.	BRAKE LEVERS	8" x 16", FORGED STEEL

300 CARS BUILT 1966 BY MAGOR CAR CORP., AT CLIFTON, N.J. ~ THEIR ORDER Nº 15015 ~ S.A.L. SPEC. Nº 1964-2, CAR Nºs 44500-44799.

PULPWOOD ~ SCL Nºs 844500-844799 ~ CLASS WS-7

WHEELS:- 33" DIA., 1-W WROT STEEL, J-33 (200 c/s).
33" DIA., 1-W CAST STEEL, CJ-33 (100 c/s).

STENCILED 50'-0" I.L.
MAX. LADING OVERHANG 10½"



GEN. ARRGT. MAGOR DRWG. Nº T-20807-A & S.C.L. DRWG. CF-89.

A.A.R. MECH. DESIGNATION LP

1.	GENERAL	
2.	CAPACITY	(77-TONS) 154,000 LBS.
3.	LIGHTWEIGHT	55,200 LBS.
4.	LOAD LIMIT	164,800 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	BODY	
7.	CENTERSILL	FISHBELLY DESIGN; (2) 30" WF BEAMS @ 108.# WITH ½"x14½"
8.		TOP COVER PLATE BETWEEN BOLSTER COVER PLATES & AT ENDS
9.	STRIKER	BUILT-UP WELDED TYPE; MAGOR DESIGN, DRWG. Nº C-20764
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; MAGOR DESIGN, DRWG. Nº C-20546
11.	BODY BOLSTERS	5/16" WEB PLATES; ½"x54" TOP & ½"x24" BOT. COVER PLATES; ½"x26" SOLE TIE PLATE
12.	BODY CENTER PLATE	13¾" DIA. BOWL, DROP FORGED Q.H.S.; BERWICK FORGE CO'S Nº 108
13.	BODY SIDE BEARING BRACE (4 PER CAR)	9/16"x9 9/32"x10 15/16" STEEL PLATE
14.	END SILLS	13" @ 31.8 # S.B. CHANNEL; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	NONE
16.	END BULKHEADS	5/16" FACE PLATE, FORMED AT TOP FOR 8½" COVER, 5/16" FORMED PLATE SIDES;
17.		8" @ 13.75 # CHANNEL VERTICAL & DIAGONAL BRACES & 6"x6"x⅜" ANGLE FLOOR CONNECTIONS
18.	SIDE SILLS	21" WF BEAM @ 68.#; 53'-11⅝" LONG
19.	CROSSBEARERS (3 PER CAR)	5/16" WEB PLATES, ⅜"x9" TOP & BOT. COVER PLATES & ⅜"x11" SOLE PLATES
20.	CROSSTIES (8 PER CAR)	8" @ 23.# I-BEAMS
21.	FLOOR	5/16" STEEL PLATE WITH 2⅜" OPENING FROM EDGE TO CENTER SILL; 7/16"x3" REINF. BAR 5" FROM EDGE
22.	BRAKE STEP	"APEX" STAMPED, TYPE "S"; Nº SRG-1000
23.	ROPING STAPLE (4 PER CAR)	6"x4"x½" ANGLE, 10" LONG WITH 2¼"x4" SLOT
24.	DRAFT KEY	A.A.R. STD. 1½"x6" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO'S Nº 692-A
26.	DRAFT GEAR CARRIER	⅝"x8"x20⅜" GRADE "B" STL. PLATE, (6) ¾" RIVETS; MAGOR DRWG. Nº SF-8036-3
27.	BRAKE BARREL PLATE	MATERIAL, CAST IRON; MAGOR DRWG. Nº D-20511-A
28.	BODY BRAKE LEVERS	12⅜"x21⅝" CYLINDER & FLOATING; MAGOR DRWG. Nº F-9090
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO'S Nº 22-2716
30.	ANGLE COCK HOLDER	⅝" DIA. ROD "U" BOLT
31.	DRAFT GEAR	
32.	TYPE	150%, NATIONAL FRICTION TYPE M17A, REV 1; 150%, MINER A-22-XL
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº B-Y40
34.	COUPLER	TYPE "E", CAST STEEL, 6¼"x8"x21½" SHANK; CAT. Nº B-E60A-HT
35.	COUPLER RELEASE RIGGING	CARBUILDERS DESIGN; MAGOR CAR CORP.'S DRWG. Nº C-20540
36.	BRAKES	
37.	SCHEDULE	ABD-1012; W.A.B.CO.
38.	FITTINGS	GRIPSEAL
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO.'S Nº 7420-2-B & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	18.9% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	200%, SAB AUTOMATIC TYPE DRV2US; 100%, ELLCON-NAT'L Nº 1340-4
42.	BELL CRANK	AAR-55
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; 150%, ELLCON-NATIONAL MODEL 1600;
44.		150%, "MINER" POWER TYPE, PATT. Nº D-3290-XL
45.	TRUCKS	
46.	TYPE	6"x11" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO'S Nº 656-C
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	A.A.R. STR 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	100%, NATIONAL CSTGS.; 100%, A.B.S. CO.; 100%, R.H. LITTLE
52.	AXLES	6"x11" ROLLER BEARING; 200%, TYPE D-11, UNTREATED; 100%, GRADE "F", HEAT TREATED
53.	JOURNAL BEARINGS	6"x11" ROLLER BEARINGS WITH LUBE FITTINGS, BRENCO, INC.
54.		
55.	BRAKE BEAMS	UNIT TYPE Nº 18
56.	SPRINGS	2½" TRAVEL; 28 OUTER COIL, 8 INNER COIL "D3" & 8 DOUBLE COIL RIDE CONTROL
57.	BOTTOM ROD CONN.	37" BETWEEN INSIDE HOLES, 2-HOLE TYPE; SCHAEFER Nº 1204-370-B
58.	BRAKE LEVERS	5¾"x8⅝" & 9"x13¾"; 8" BEND SHORT END, 8" BEND IN 13¾" END; SCHAEFER

FLATS & PULPWOOD

FREIGHT BOOK Nº 3

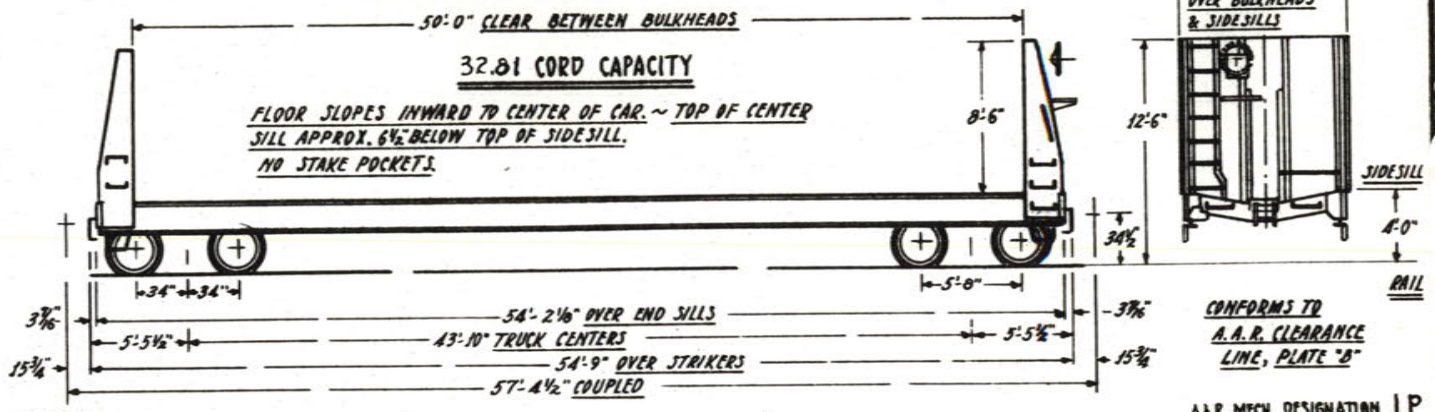
5-1-69

PULPWOOD ~ SCL Nos 844800-844999 ~ CLASS WS-7

200 CARS BUILT 1965 BY MAGOR CAR CORP., AT CLIFTON, N.J. ~ THEIR ORDER Nº 15004 ~ S.A.L. SPEC. 1964-2, CAR Nºs 44800-44999.

WHEELS:- 33" DIA., 1-W WROT STEEL, J-33.

STENCILED 50'-0" I.L.
MAX. LADING OVERHANG 10½"



A.A.R. MECH. DESIGNATION LP

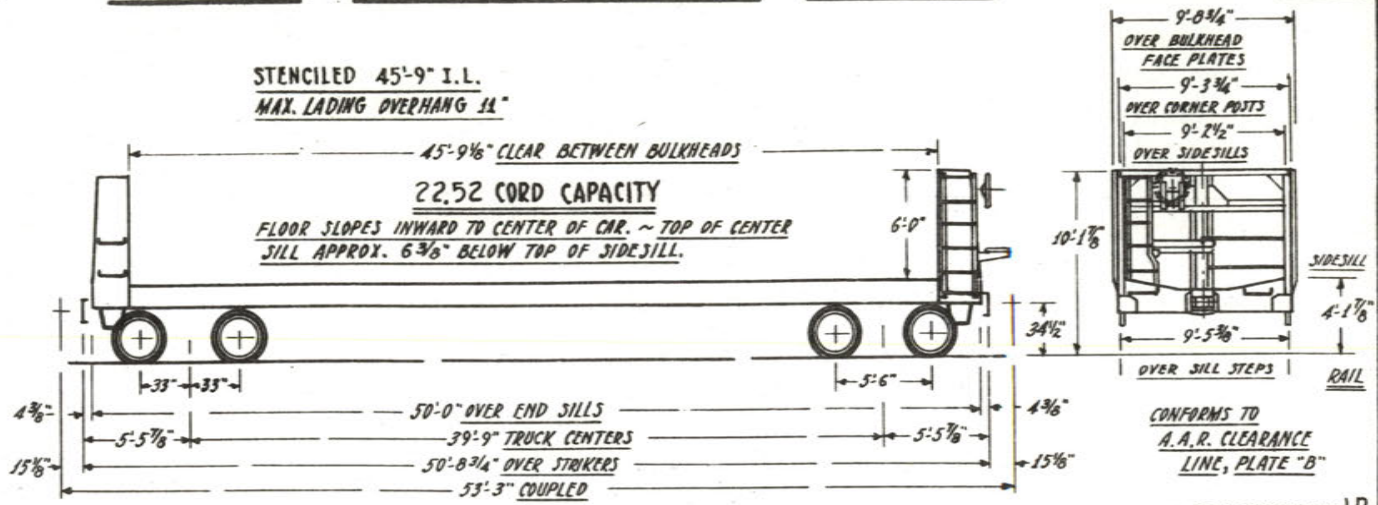
GEN. ARRGT. MAGOR DRWG. Nº T-20548 & S.A.L. C9-7635.

1.	GENERAL	
2.	CAPACITY	(77-TONS) 154,000 LBS.
3.	LIGHTWEIGHT	55,200 LBS.
4.	LOAD LIMIT	164,800 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	BODY	
7.	CENTERSILL	FISHBELLY DESIGN, (2) 30" WF BEAMS @ 108.#
8.		WITH ½" x 14½" TOP COVER PLATE BETWEEN BOLSTER COVER PLATES & AT ENDS
9.	STRIKER	BUILT-UP WELDED TYPE; MAGOR DRWG. C-20531, S.A.L. C3-7630
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	BUILT-UP WELDED TYPE; MAGOR DRWG. C-20546, S.A.L. C3-7625
11.	BODY BOLSTERS	5/16" WEB PLATES, ½" x 54" TOP & ½" x 24" BOT. COVER PLATES, ½" x 26" SOLE TIE PLATE
12.	BODY CENTER PLATE	13¾" DIA. BOWL, DROP FORGED O.H.S.; BERWICK FORGE CO.'S Nº 108
13.	BODY SIDE BEARING BRACE (4 PER CAR)	9/16" x 9 9/32" x 10 15/16" STEEL PLATE
14.	END SILLS	13" S.B. CHANNEL @ 31.8 #
15.	END SILL COVER PLATE	NONE
16.	END BULKHEADS	5/16" FACE PLATE FORMED AT TOP FOR 8½" COVER; 3/16" FORMED PLATE SIDES;
17.		8" @ 13.75 # CHANNEL, VERTICAL & DIAGONAL BRACES & 6" x 6" x 3/8" ANGLE FLOOR CONNECTIONS
18.	SIDE SILLS	21" WF BEAM @ 68.#; 53'-11 5/8" LONG
19.	CROSSBEARERS (3 PER CAR)	5/16" WEB PLATES, 3/8" x 9" TOP & BOT. COVER PLATES & 3/8" x 11" SOLE PLATE
20.	CROSSTIES (8 PER CAR)	8" @ 23.# I-BEAMS
21.	FLOOR	5/16" STEEL PLATE WITH 2 3/8" OPENING FROM EDGE TO CENTER SILL, 7/16" x 3" REINF. BAR 1" FROM EDGE
22.	BRAKE STEP	MORTON "OPEN GRIP"
23.	ROPING STAPLE (4 PER CAR)	6" x 4" x ½" ANGLE 10" LONG WITH 2¼" x 4" SLOT
24.	DRAFT KEY	A.A.R. STD. 1½" x 6" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S Nº 692-A
26.	DRAFT GEAR CARRIER	3/8" x 8" x 20 3/8" GRADE "B" STEEL, (6) ¾" RIVETS
27.	DRAFT GEAR PLATE	MATERIAL, CAST IRON; MAGOR DRWG. Nº D-20511-A
28.	BODY BRAKE LEVERS	12 3/8" x 21 3/8" CYLINDER & FLOATING; MAGOR DRWG. Nº F-9090
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.'S 22-2716
30.	ANGLE COCK HOLDER	5/8" DIA. ROD "U" BOLT
31.	DRAFT GEAR	
32.	TYPE	100%, NATIONAL FRICTION TYPE M17A, REV. I; 100%, MINER CLASS A-22-XL
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº B-Y40
34.	COUPLER	TYPE "E", CAST STEEL, 6¼" x 8" x 21½" SHANK; CAT. Nº B-E60A-HT
35.	COUPLER RELEASE RIGGING	CARBUILDERS DESIGN; MAGOR CAR CORP.'S DRWG. Nº C-20540
36.	BRAKES	
37.	SCHEDULE	ABD-1012; N.Y.A.B. CO.
38.	FITTINGS	GRIPSEAL
39.	TRUNKLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO.'S Nº 7420-K & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	18.9% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	DOUBLE ACTING, AUTOMATIC, ELLCON-NAT'L. Nº 1340-4, DRWG. Nº BR-601-A
42.	BELL CRANK	AAR-55
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; 100%, ELLCON-NATIONAL MODEL 1600;
44.		100%, "MINER" POWER TYPE, PATT. Nº D-3290-XL
45.	TRUCKS	
46.	TYPE	6" x 11" ROLLER BEARING, BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S Nº 656-C
48.	SNUBBER	BARBER S-2-A
49.	BRAKE SHOES	A.A.R. STD. 1-A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	6" x 11" NARROW PEDESTAL TYPE
52.	AXLES	6" x 11" ROLLER BEARING TYPE D-6-D
53.	JOURNAL BEARINGS	6" x 11" ROLLER BEARING; 100%, TIMKEN HEAVY DUTY, TYPE "AP";
54.		100%, HYATT HEAVY DUTY TYPE
55.	BRAKE BEAMS	UNIT TYPE Nº 18
56.	SPRINGS	2½" TRAVEL; 20 OUTER COILS, 20 INNER COILS, "D-3" & 8 SIDE COILS
57.	BOTTOM ROD CONN.	37" BETWEEN INSIDE HOLES, 2-HOLE TYPE; SCHAEFER Nº 1204-370-B
58.	BRAKE LEVERS	5¾" x 8 5/8" & 9" x 13¾"; 8" END SHORT END, 12" BEND IN 13¾" END; SCHAEFER

300 CARS BUILT 1953-54 BY BETHLEHEM STEEL CO., AT BETHLEHEM, PA. ~ THEIR ORDER Nº DF-194 ~ S.A.L. SPEC. Nº 1953-3, S.A.L. CAR Nºs 45000-45299.

WHEELS:- A.A.R. STD. 33" DIA.

PULPWOOD ~ SCL Nºs 845000-845299 ~ CLASS WS-4



GEN. ARRGT. BETH. STL. CO.'S DRWG. Nº E-36600-A.

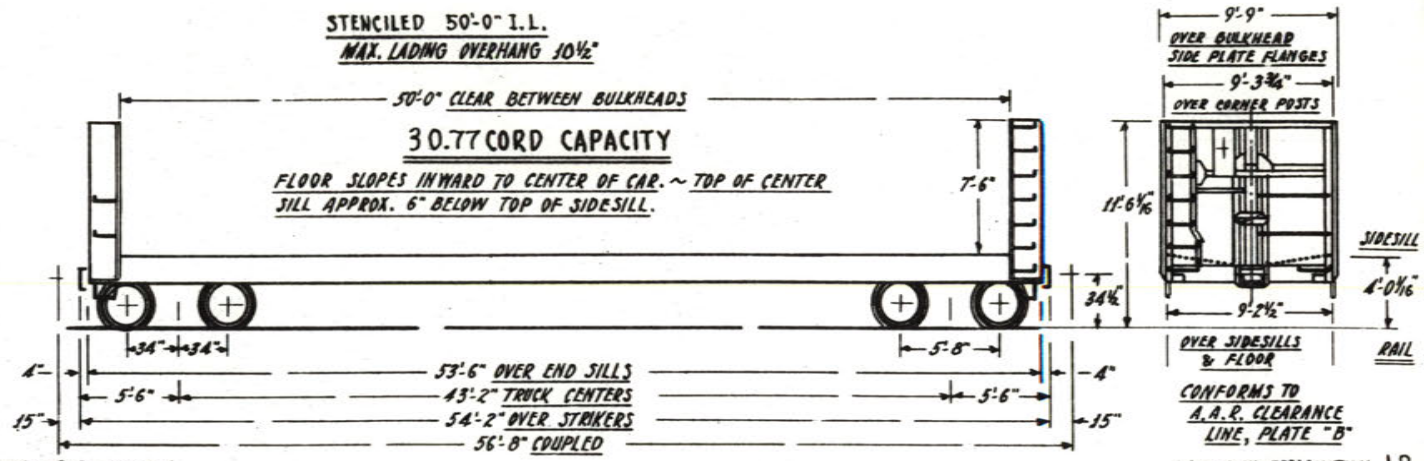
A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHTWEIGHT	45,800 LBS.
4.	LOAD LIMIT	131,200 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY BUILT-UP TYPE; (2) ⅜" WEB PLATES, ⅜" x 24" TOP COVER PLATE; 4
8.		EACH WEB 4" x 3½" x ½" ANGLE, TOP & BOT.; TOP INSIDE ANGLE 24 FT. LG. AT CTR OF CAR, BOT I.S. 23" PAST ℄ BOLSTERS
9.	STRIKER	CAST STEEL, GRADE "B"; SYM.-GOULD PATT. S-98, DRWG. 4350-B
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL, GRADE "B"; SYM.-GOULD PATT. BS-281, DRWG. 4349-C
11.	BODY BOLSTERS	5/16" PLATE PRESSED PANS WITH 14" x ¾" TOP & 14" x 5/16" BOT. COVER PLATE
12.	BODY CENTER PLATE	11¾" DIA. BOWL, DROP FORGED, A.A.R. STD.
13.	BODY SIDE BEARING BRACE	BUILT-UP WELDED TYPE; BETH. DRWG. Nº B-36049
14.	END SILLS	15" @ 33.9 # CHANNEL; SIDESILL TO CENTER SILL
15.	END SILL COVER PLATE	¼" END FLOOR PLATE
16.	END BULKHEADS	3/16" FACE PLATE; END POST (SIDES) 5/16" PRESSED ZEES 14 5/16"
17.		DEEP WITH ¼" PRESSED CHANNEL COVER PLATE, REINF. WITH ROLLED ANGLES & PRESSED SHAPES
18.	SIDE SILLS	15" @ 33.9 # CHANNEL, END TO END
19.	CROSSBEARERS (3 PER CAR)	¼" PRESSED PANS WITH BOT. TIE PLATE 5" x ⅜" O.H.S. 6'-2" LONG
20.	CROSSTIES (8 PER CAR)	¼" PRESSED PANS, O.H.S.
21.	FLOOR	¼" STEEL PLATE WITH (14) 3" DIA. DRAIN HOLES EACH SIDE NEAR CENTER SILL
22.	BRAKE STEP	"WELDFORGED"; U.S. GYPSUM CO.
23.	ROPING STAPLE (4 PER CAR)	1½" DIA. ROD LOOP; BETH. DESIGN
24.	DRAFT KEY	A.A.R. STD. 1½" x 6" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S Nº 692-A
26.	DRAFT GEAR CARRIER	8" x 5/16" O.H.S. PLATES & (6) 7/8" RIVETS
27.	BRAKE BADGE PLATE	CAST IRON; PATT. Nº FC-2974, BETH. DRWG. Nº C-34525-C
28.	BODY BRAKE LEVERS	13¾" x 19¼" CYLINDER, 12" x 17" AUXILIARY; FORGED STEEL
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.'S 22-2716
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO.'S Nº 17-2750
31.	**DRAFT GEAR**	
32.	TYPE	FRICTION, (100%s EACH) NATIONAL M-17-A, MINER A-22-XL & PEERLESS H-1-B2
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº Y-40
34.	COUPLER	TYPE "E", CAST STEEL, 6¼" x 8" x 21¼" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPER'G.; STD. RWY. EQUIP. Nº 1U-10529-C
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	"WABCOTITE"
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E. CO., & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	19.9% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL, MULTIPLE HOLE TYPE
42.	BELL CRANK	A.A.R. Nº 50, PATT. D-3520
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; NATIONAL MICRO-MATIC,
44.		100%s MODEL 1148-D; 200%s, W.H. MINER PATT. Nº D-3290-XL, DRWG. Nº 21337-A
45.	**TRUCKS**	
46.	TYPE	5½" x 10", BARBER S-2-B STABILIZERS, 3 1/16" SPRING TRAVEL, SPRING PLANKLESS
47.	SIDE BEARINGS	SINGLE ROLLER, MONOCAST TYPE Nº 20
48.	SNUBBER	BARBER S-2-B
49.	BRAKE SHOES	A.A.R. 1A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	NONE
52.	AXLES	A.A.R. STD. 5½" x 10" FRICTION TYPE
53.	JOURNAL BEARINGS	A.A.R. STD. 5½" x 10" SOLID TYPE
54.		
55.	BRAKE BEAMS	A.A.R. Nº 18 UNIT TYPE
56.	SPRINGS	3 1/16" TRAVEL; 20 OUTER COIL, 16 INNER COIL & 8 SIDE COILS
57.	BOTTOM ROD CONN.	36" BETWEEN INSIDE HOLES, 3-HOLE TYPE; SCHAEFER 789-360
58.	BRAKE LEVERS	7½" x 15" FORGED STEEL

300 CARS BUILT 1957 BY GREENVILLE STEEL CAR CO., AT GREENVILLE, PA.; THEIR LOT Nº 701 ~ S.A.L. SPEC. 1956-1, S.A.L. CAR Nos 45300-45599.

PULPWOOD ~ SCL Nos 845300-845599 ~ CLASS WS-7

WHEELS:- 33" DIA., 8-33, 1-W WROT STEEL.



GEN. ARRGT. G.S.C. CO.'S DRWG. Nº 26065 & S.A.L. DRWG. Nº C9-6626-A.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(77-TONS) 154,000 LBS.
3.	LIGHTWEIGHT	53,000 LBS.
4.	LOAD LIMIT	167,000 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY DESIGN, RIVETED CONSTRUCTION; 7/16 WEB
8.		PLATE; 4 TOP & 4 BOT. ANGLES 4"x3½"x5/8"; TOP COVER PLATE ½"x24"x53'-5" LG.
9.	STRIKER & FRONT DRAFT LUGS	CAST STEEL, GRADE "B"; G.S.C. CO.'S DRWG. Nº 25997-B
10.	BOLSTER CTR. PHL. & REAR DRAFT LUGS	CAST STEEL, GRADE "B"; SYM.-GOULD PATT. Nº BS-297, DRWG. 4582-B
11.	BODY BOLSTERS	3/8" PRESSED PANS; ¾"x16" TOP COVER & 5/8"x18" BOT. COVER TIE PLATE
12.	BODY CENTER PLATE	13¾" DIA. BOWL, DROP FORGED; G.S.C. CO.'S DRWG. Nº 13923-G
13.	BODY SIDE BEARING BRACE	FABRICATED FROM 7/16" PLATE; G.S.C. CO.'S DRWG. Nº 26052
14.	END SILLS	12" @ 20.7# CHANNEL; SIDE SILL TO CENTER SILL
15.	END SILL COVER PLATE	¼" STEEL PLATE, FORMED; G.S.C. CO.'S DRWG. Nº 26015
16.	END BULKHEADS	¼" FACE PLATE; (4) 3½"x3½"x5/16" CORNER POSTS; 5/16"x22¾" SIDE PLATES;
17.		5/16" PLATE PRESSED ZEE CENTER BRACES, 3/8" PLATE PRESSED ZEE HORIZ. STIFF., ¼" PLATE PRESSED COVER CHAN.
18.	SIDE SILLS	18" @ 42.7# CHANNEL
19.	CROSSBEARERS (3 PER CAR)	¼" PRESSED PANS, ½"x6" TOP & BOT. COVER PLATES
20.	CROSSTIES (8 PER CAR)	¼" PLATE PRESSED PANS
21.	FLOOR	¼" STEEL PLATE; 3" SLOTS EACH SIDE CENTER SILL FOR REMOVING BARK
22.	BRAKE STEP	"WELDFORGED"; U.S. GYPSUM CO.
23.	ROPING STAPLE (4 PER CAR)	1¼" DIA. ROD LOOP; GREENVILLE DESIGN
24.	DRAFT KEY	A.A.R. STD. 1½"x6" WITH ROUND EDGES
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S Nº 692-A
26.	DRAFT GEAR CARRIER	5/8"x8"x20⅜" STEEL PLATE & (6) 7/8" RIVETS
27.	BRAKE BADGE PLATE	CAST IRON; S.A.L. PATT. Nº FC-3030; G.S.C. CO.'S DRWG. Nº 26050-A
28.	BODY BRAKE LEVERS	15½"x19" CYLINDER & FLOATING; PITTS. FORGING CO.'S SK-18168
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.'S 22-2716
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO.'S Nº 17-2750
31.	**DRAFT GEAR**	
32.	TYPE	NATIONAL FRICTION TYPE M-17-A; N.M. & S.C. CO.'S DRWG. Nº 19336-K
33.	COUPLER YOKE	VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. Nº Y-40
34.	COUPLER	A.A.R. TYPE "E", CAST STEEL, 6¼"x8"x21¼" SHANK; CAT. Nº E-60
35.	COUPLER RELEASE RIGGING	BOTTOM OPER'G.; STD. RWY. EQUIP. CO.'S DRWG. Nº 1U-13242-B
36.	**BRAKES**	
37.	SCHEDULE	A.A.R. STD. AB-1012
38.	FITTINGS	WABCOSEAL
39.	TRUNKLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO. & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	18.44% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	WESTINGHOUSE AUTOMATIC TYPE D-111-D
42.	BELL CRANK	A.A.R. 50, PATT. Nº D-3520
43.	HAND BRAKES	VERTICAL WHEEL; W.H. MINER POWER TYPE,
44.		PATT. Nº D-3290-XL, DRWG. Nº 22083-A
45.	**TRUCKS**	
46.	TYPE	6"x11" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; 247%, A.STUCKI CO.'S Nº 656-C & 53%, MONOCAST
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	A.A.R.-1A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	6"x11" NARROW PEDESTAL TYPE; NATIONAL CTSGS.
52.	AXLES	6"x11" ROLLER BEARING TYPE; S.A.L. DRWG. C2-5804, HYATT DRWG. 3-R-824-L
53.	JOURNAL BEARINGS	6"x11" HY-ROLL ROLLER BEARING; HYATT Nº 4-R-3074-M
54.		
55.	BRAKE BEAMS	A.A.R. Nº 18 UNIT TYPE; CHICAGO MALL. CSTNG. CO.'S DRWG. Nº B-488
56.	SPRINGS	2½" TRAVEL; 28 OUTER COIL, 4 INNER COIL, D-35-48 & 8 DOUBLE RIDE CONTROL
57.	BOTTOM ROD CONN.	37" BETWEEN INSIDE HOLES, 2 HOLE TYPE; SCHAEFER Nº 880-370
58.	BRAKE LEVERS	5"x10" & 7"x14", 8" BEND IN SHORT END; SCHAEFER Nos 1078 & 1030

5-14-69

FLATS & PULPWOOD

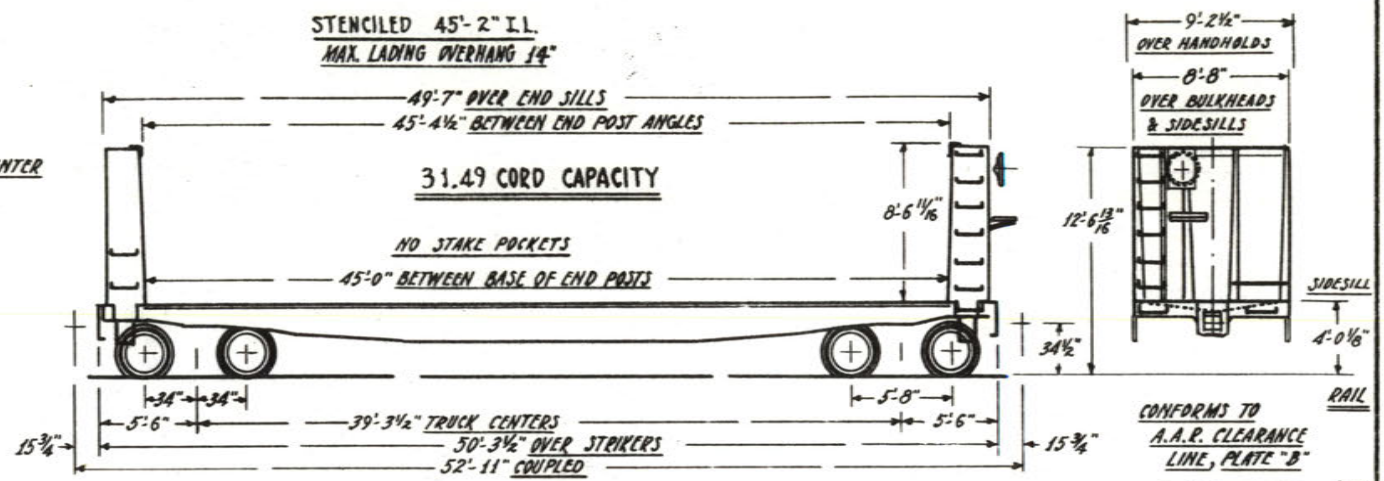
FREIGHT BOOK Nº 3

PULPWOOD ~ SCL Nos 845600-845649 ~ CLASS WS-6

50 CARS BUILT 1963 BY GENERAL STEEL INDUSTRIES, INC., AT EDDYSTONE, PA. ~ S.A.L. CAR Nos 45600-45649.

WHEELS:- 33" DIA., B-33, 1-W WROT STEEL.

FLOOR SLOPES INWARD TO CENTER OF CAR. TOP OF CENTER SILL APPROX. 6" BELOW TOP OF SIDESILL.



GEN. ARRGT. GEN. STL. IND. DRWG. No 32046-D & S.A.L. C8-7115

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(77-TONS) 154,000 LBS.
3.	LIGHTWEIGHT	53,300 LBS.
4.	LOAD LIMIT	166,700 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	ONE PIECE CAST STEEL; GENERAL STEEL INDUSTRIES, INC.;
8.		DRWG. No Z-32048-D; PATT. No 32048
9.	STRIKER	CAST STEEL; INTEGRAL WITH UNDERFRAME
10.	BOLSTER CTR FILL & REAR DRAFT LUGS	CAST STEEL; INTEGRAL WITH UNDERFRAME
11.	BODY BOLSTERS	CAST STEEL; INTEGRAL WITH UNDERFRAME
12.	BODY CENTER PLATE	13¾" DIA. BOWL, CAST STEEL; INTEGRAL WITH UNDERFRAME
13.	BODY SIDE BEARING BRACE	CAST STEEL; INTEGRAL WITH UNDERFRAME
14.	END SILLS	CAST STEEL; INTEGRAL WITH UNDERFRAME
15.	END SHEET (BULKHEAD)	8'-6" x 8'-2" x ¼" STEEL PLATE
16.	END BULKHEADS (POSTS)	2R & 2L EACH END, ONE PIECE CAST STEEL; G.S.I. No Z-30962
17.	END POST TOP ANGLE	6" x 6" x ⅝" ANGLE 8'-6" LONG
18.	SIDE SILLS	CAST STEEL; INTEGRAL WITH UNDERFRAME
19.	CROSSBEARERS	CAST STEEL; INTEGRAL WITH UNDERFRAME
20.	CROSSTIES	CAST STEEL; INTEGRAL WITH UNDERFRAME
21.	FLOOR	CAST STEEL; INTEGRAL WITH UNDERFRAME
22.	BRAKE STEP	MORTON "OPEN GRIP"
23.	ROPING STAPLE (4 PER CAR)	1¼" DIA. ROD LOOP (WELDED); G.S.I., INC. DESIGN
24.	DRAFT KEY	A.A.R. STD., 6" x 1½" ROUND EDGE; GRADE C-1045 STEEL
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO'S No 692-A
26.	DRAFT GEAR CARRIER	⅝" x 8" x 22½" GRADE "A" STEEL WITH (6) ¾" RIVETS
27.	BRAKE BADGE PLATE	MATERIAL, ALUMINUM; G.S.I. INC'S DRWG. No 34013-5
28.	BODY BRAKE LEVERS	15" x 18" CYLINDER & 13 5/16" x 16" FLOATING; SCHAEFER
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO'S No 22-2716
30.	ANGLE COCK HOLDER	"FITZALL"; RWY. DEVICES CO'S No 17-2750
31.	**DRAFT GEAR**	
32.	TYPE	PEERLESS FRICTION TYPE T-1; DRWG. No 4-P-364
33.	COUPLER YOKE	A.A.R. VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. No B-Y40
34.	COUPLER	A.A.R. TYPE "E", CAST STEEL, 6¼" x 8" x 21½" SHANK; CAT. No B-E60A-HT
35.	COUPLER RELEASE RIGGING	BOTTOM OPER'G.; STD. RWY. EQUIP. CO'S DRWG. No 1U-17472-A
36.	**BRAKES**	
37.	SCHEDULE	STR. AB-1012 WITH SLOAN No 1300-A CYLR RELEASE VALVE
38.	FITTINGS	GRIPSEAL
39.	TRAINLINE FITTINGS	"WRIGHT" TEE ANCHOR, I.R.E.CO. & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	17.15% OF GROSS RAIL LOAD AT 50# CYLR. PRESSURE
41.	BRAKE REGULATOR	MANUAL (ROTARY); UNIVERSAL RWY. DEVICES CO'S DRWG. No 7490
42.	BELL CRANK	AAR-50; KLASING DRWG. No D-1028
43.	HAND BRAKES	NON-SPIN, VERTICAL WHEEL; KLASING TYPE 1150;
44.		DRWG. No 10036
45.	**TRUCKS**	
46.	TYPE	6" x 11" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO'S No 656-C
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	A.A.R. 1A
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	6" x 11" NARROW PEDESTAL TYPE; NATIONAL CSTGS. CO.
52.	AXLES	6" x 11" ROLLER BEARING TYPE; A.A.R. D-6C-1962
53.	JOURNAL BEARINGS	6" x 11" ROLLER BEARING, HYATT HY-ROLL TAPER;
54.		DRWG. No 4-R-2843-L
55.	BRAKE BEAMS	A.A.R. No 18, BUFFALO UNIT TYPE; DAVIS BB. CO'S DRWG. No 2165
56.	SPRINGS	2½" TRAVEL; 28 OUTER COILS, 4 INNER COILS & 8 DOUBLE COIL RIDE CONTROL
57.	BOTTOM ROD CONN.	37" BETWEEN INSIDE HOLES, 2-HOLE TYPE; SCHAEFER No 1202-370-A
58.	BRAKE LEVERS	5" x 10" & 7" x 14", 8° BEND AT SHORT END; SCHAEFER Nos 1224 & 1271

2-20-69 J.W.

5-8-69

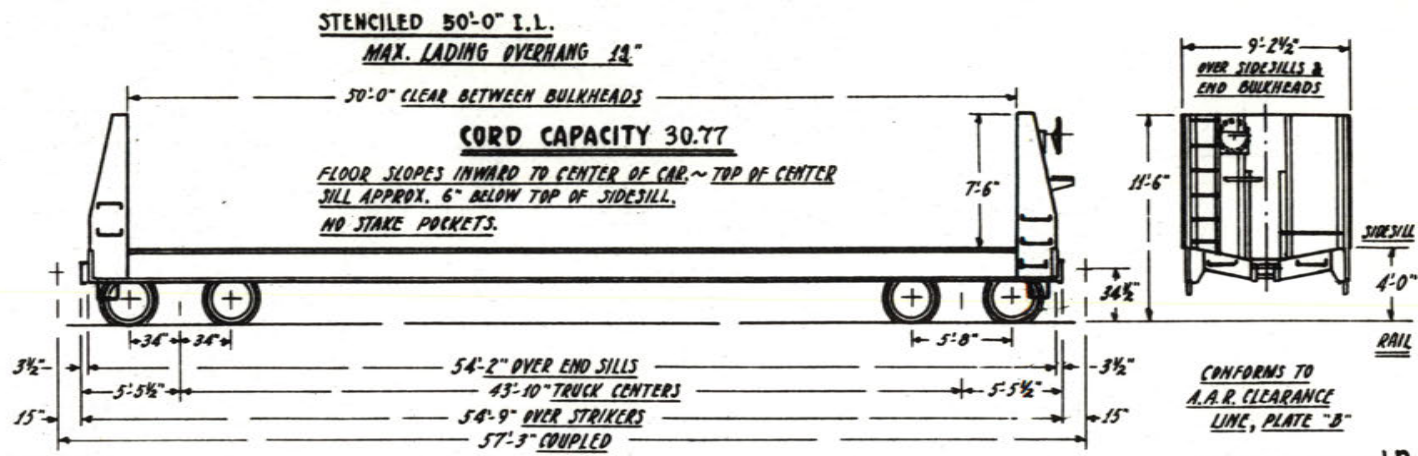
FLATS & PULPWOOD

FREIGHT BOOK No 3

250 CARS BUILT 1963 BY THRALL CAR MFG. CO., AT CHICAGO HEIGHTS, ILL. ~ THEIR ORDER No 100 ~ S.A.L. SPEC. No 1962-5, CAR Nos 45650-45899.

WHEELS:- A.A.R. 33" DIA., 1-WEAR STEEL.

PULPWOOD ~ SCL Nos 845650-845899 ~ CLASS WS-7



GEN. ARRGT. THRALL DRWG. No F-1786-D & S.A.L. C4-7143.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(77-TONS) 154,000 LBS.
3.	LIGHTWEIGHT	54,100 LBS.
4.	LOAD LIMIT	165,900 LBS.
5.	MAX. LOAD ON RAILS	220,000 LBS.
6.	**BODY**	
7.	CENTERSILL	FISHBELLY DESIGN; (2) 30" WF BEAMS @ 108.# WITH
8.		½" x 14½" TOP COVER PLATE BETWEEN BOLSTER COVER PLATES & AT ENDS
9.	STRIKER	BUILT-UP WELDED TYPE; THRALL DRWG. No F-1786-3 & C4-7320
10.	BOLSTER CTR. PILL. & REAR DRAFT LUGS	CAST STEEL; PATT. No 5-76, THRALL DRWG. No 597-A
11.	BODY BOLSTERS	5/16" WEB PLATES, ½" x 54" TOP & ½" x 26" BOT. COVER PLATES & ½" x 26" SOLE PLATE
12.	BODY CENTER PLATE	DROP FORGED, GRADE "B"; STD. FORGINGS CORP.'S PATT. & DRWG. No 343-EM
13.	BODY SIDE BEARING BRACE	9/16" STEEL PLATE
14.	END SILLS	12" @ 30.9# CHANNEL
15.	END SILL COVER PLATE	NONE
16.	END BULKHEADS	5/16" FACE PLATE WITH 8" @ 13.75# CHANNEL, VERTICAL & DIAGONAL
17.		BRACES, INTER.; 5/16" FORMED PLATE SIDES & TOP COVER PLATE; 6" x 6" x 3/8" ANGLE AT FLOOR
18.	SIDE SILLS	21" @ 68.# WF BEAMS
19.	CROSSBEARERS (3 PER CAR)	5/16" WEB PLATE; 3/8" x 9" TOP & BOT. COVER PLATES WITH 3/8" x 11" SOLE PLATE
20.	CROSSTIES (8 PER CAR)	8" @ 23# I-BEAMS
21.	FLOOR	5/16" STEEL PLATE WITH 2⅜" OPEN'G. FROM EDGE TO CTR. SILL, ⅞" x 3" REINF. BAR 1" FROM EDGE
22.	BRAKE STEP	150%, APEX STAMPED TYPE "S"; 100%, MORTON "OPEN GRIP"
23.	ROPING STAPLE (4 PER CAR)	6" x 4" x ½" ANGLE WITH 6" x 2¾" SLOT
24.	DRAFT KEY	A.A.R. STD., 6" x ½" ROUND EDGE
25.	DRAFT KEY RETAINER	"AZEE"; ILL. RWY. EQUIP. CO.'S DRWG. No 692-A
26.	DRAFT GEAR CARRIER	5/8" x 8" x 21" O.H. STEEL PLATE WITH (6) ¾" RIVETS
27.	BRAKE BADGE PLATE	
28.	BODY BRAKE LEVERS	19⅛" x 14⅞", CYLINDER & FLOATING; SCHAEFER
29.	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. EQUIP. CO.
30.	ANGLE COCK HOLDER	"FITZALL"; RAILWAY DEVICES CO.
31.	**DRAFT GEAR**	
32.	TYPE	Nos 845650-845799, MINER A-22-XL; Nos 845800-845899, NAT'L. CSTGS., TYPE M-17-A, REV. I
33.	COUPLER YOKE	A.A.R. VERTICAL PLANE, CAST STEEL, GRADE "B"; CAT. No B-Y40
34.	COUPLER	A.A.R. TYPE "E", CAST STEEL, 6¼" x 8" x 21½" SHANK; CAT. No B-E60A-HT
35.	COUPLER RELEASE RIGGING	BOT. OPER'G.; STD. RWY. EQUIP. CO.'S DRWG. No 1U-17505-A
36.	**BRAKES**	
37.	SCHEDULE	STR AB-1012 WITH SLOAN No 1300-A CYLD. RELEASE VALVE
38.	FITTINGS	GRIPSEAL
39.	TRAINLINE FITTINGS	"WRIGHT" BRANCH PIPE TEE ANCHOR, I.RE.CO. & GUSTIN-BACON PIPE CLAMPS
40.	BRAKE POWER	18.2% OF GROSS RAIL LOAD AT 50# CYLD. PRESSURE
41.	BRAKE REGULATOR	MANUAL (ROTARY); UNIVERSAL RWY. DEVICES CO.'S DRWG. No 7492
42.	BELL CRANK	A.A.R. No 55
43.	HAND BRAKES	VERTICAL WHEEL, NON-SPIN; EQUIPCO TYPE 3750-D,
44.		Nos 845651-845800; AJAX MODEL No 14665, Nos 845650 & 845801-845899
45.	**TRUCKS**	
46.	TYPE	6" x 11" ROLLER BEARING, A-3 RIDE CONTROL, 2½" SPRING TRAVEL, NARROW PEDESTAL
47.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.
48.	SNUBBER	A-3 RIDE CONTROL
49.	BRAKE SHOES	A.A.R.-REINFORCED BACK
50.	BRAKE SHOE KEY	"LOCKEY"
51.	ROLLER BRG. ADAPTERS	6" x 11" NARROW PEDESTAL TYPE; NATIONAL CSTGS. CO.
52.	AXLES	6" x 11" ROLLER BEARING TYPE
53.	JOURNAL BEARINGS	6" x 11" ROLLER BEARING; Nos 845650-845799, BRENCO;
54.		Nos 845800-845899, HYATT
55.	BRAKE BEAMS	A.A.R. No 18 UNIT TYPE
56.	SPRINGS	2½" TRAVEL; 28 OUTER COIL, 8 INNER COIL & 8 DOUBLE COIL RIDE CONTROL
57.	BOTTOM ROD CONN.	
58.	BRAKE LEVERS	5" x 10" & 7" x 14", 8" BEND AT SHORT END; SCHAFFER

W.H. 2-24-49 SED 3-26-49

No. 3

BUILT BY AMERICAN CAR & FOUNDRY CO., 1949.
LOT 3328

PULPWOOD ~ ~ CLASS W-2

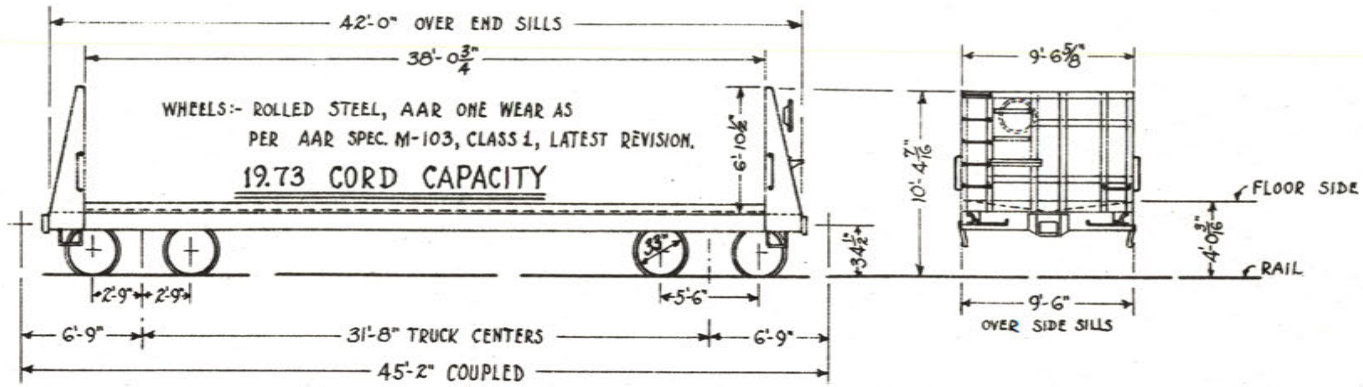
SCL Nos 670000-670199
SCL Nos 670400-670499 (FORMER C. & W.C.)

¼" STEEL FLOOR PLATES

PAINTING:- ONE COAT RED LEAD PRIMER & TWO COATS FREIGHT CAR BLACK. WHITE STENCILING PAINT.

Nos 670032 & 670064 HAVE ROLLER BRGS.

STENCILED 38'-0" I.L.
MAX. LADING OVERHANG 9"



A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT	41,600 LBS.
4.	LOAD LIMIT	135,400 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	FABRICATED STEEL; STD. FISH BELLY TYPE CENTER SILLS
8.	SUPERSTRUCTURE	(EXCEPT ENDS) NONE
9.	SHEATHING	NONE
10.	ENDS	FABRICATED STEEL
11.	CARLINES	NONE
12.	ROOF	NONE
13.	RUNNING BOARDS	NONE
14.	DOORS	NONE
15.	DOOR FIXTURES	NONE
16.	DOOR OPENING, CLEAR	NONE
17.	**DRAFT GEAR**	
18.	TYPE	(100) WAUGH & (100) PEERLESS, TO SUIT 24⅝" POCKET
19.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE
20.	COUPLER	McCONWAY & TORLEY, 6¼" x 8" RIGID SHANK, 11" KNUCKLE
21.	COUPLER CENTERING DEVICE	NONE
22.	UNCOUPLING DEVICE	SAFETY TYPE, BOTTOM OPERATED, STD. RWY. EQUIP. CO.
22.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE SCHEDULE, TYPE AB
25.	BRAKE POWER	30,208 LBS. = 72.61% LT. WT. @ 50 LBS. CYLD. PRESS.
26.	TYPE BRAKES	INSIDE
27.	HAND BRAKES	"AJAX", VERTICAL WHEEL, POWER TYPE
28.	**TRUCKS**	
29.	TYPE	DUAL CONTROL, 2½" SPRING TRAVEL, (100) NATIONAL B-1, A.C.L. CLASS T-9-H (100) NATIONAL C-1, A.C.L. CLASS T-9-J
30.	SIDE BEARINGS	STUCKI, ROLLER TYPE
31.	DEAD LEVER FULCRUM	FORGED STEEL
32.	LATERAL MOTION DEVICE	DUAL CONTROL
33.	SNUBBER	DUAL CONTROL
34.	AXLES	5½" x 10" JOURNALS, SPEC. M-101, LATEST REV.
35.	BRAKE BEAMS	"UNIT"
36.	BRAKE BEAM AUX. SUPPORT	NONE
37.	**MISCELLANEOUS**	
38.	BRAKE STEP	"MORTON"
39.		
40.		

THE 150 CARS IN THIS GROUP WERE BUILT BY
A.C.L. WAYCROSS SHOP FORCES, 1951.
A.C.L. FILE 21.90

T. W. H.
3-23-51

No 3

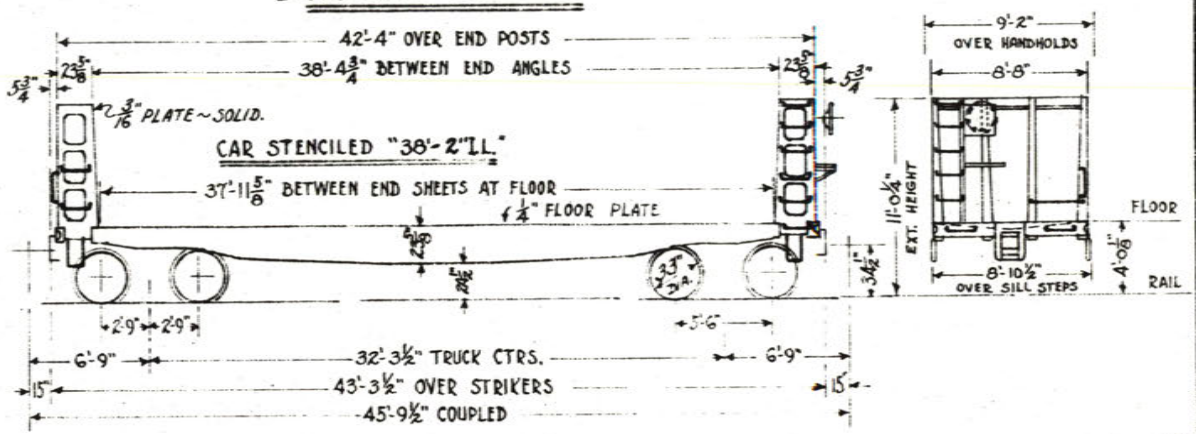
PULPWOOD ~~ CLASS W-5

SCL Nos 670200-670349

WHEELS:- MULTIPLE WEAR, A.A.R. CLASS C-33.

MAX. LADING OVERHANG 14"

21.91 CORD CAPACITY



SEE DR'W'G. No S-460 FOR GENERAL ARRANGEMENT.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT	46,500 LBS.
4.	LOAD LIMIT	130,500 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	CAST STEEL (GENERAL STEEL CASTINGS CORP.)
8.	SUPERSTRUCTURE	(EXCEPT ENDS) NONE
9.	SHEATHING	NONE
10.	ENDS	CAST STEEL FRAME WITH 3/16" SOLID STEEL PLATE
11.	CARLINES	NONE
12.	ROOF	NONE
13.	RUNNING BOARDS	NONE
14.	BRAKE STEP	MORTON
15.	**DRAFT GEAR**	
16.	TYPE	MINER A-22-XL
17.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE
18.	COUPLER CENTERING DEVICE	STAND. RWY. EQUIP. CO.
19.	COUPLER	TYPE "E", 6¼" x 8" RIGID SHANK, 11" KNUCKLE
20.	UNCOUPLING DEVICE	"STANDARD" SAFETY BOTTOM OPERATED
21.	**BRAKES**	
22.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012
23.	BRAKE POWER	31,600 LBS. = 66.5% LT. WT. @ 50 LBS. CYLD. PRESS.
24.	BRAKE ADJUSTER	MANUAL
25.	HAND BRAKES	MINER
26.	**TRUCKS**	
27.	TYPE	"A.S.F." A-3 RIDE CONTROL, 2½" SPRING TRAVEL; A.C.L. CLASS T-9-M
28.		ROLLER BEARINGS:- SKF "EXPEDITER" OR TIMKEN "AP"
29.	SIDE BEARINGS	30 CARS, NOS. 670200-670229, FRICTION 120 CARS NOS. 670230-670349, STUCKI, ROLLER
30.	DEAD LEVER FULCRUM	FORGED STEEL
31.	LATERAL MOTION DEVICE	"A.S.F." A-3 RIDE CONTROL
32.	SNUBBER	"A.S.F." A-3 RIDE CONTROL
33.	AXLES	5½" x 10" ROLLER BEARING FREIGHT AXLES
34.	BRAKE BEAMS	UNIT
35.	TRUCK LEVERS	SCHAEFER
36.	JOURNAL BEARINGS	ROLLER; SEE LINE 27
37.	JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BEARING GREASE
38.	**MISCELLANEOUS**	
39.	DEFECT CARD HOLDER	MOTOR WHEEL
40.		

8-7-64 j.w.h

REIGHT OOK Nº 3

PULPWOOD ~ ~ CLASS W-5-A

SCL Nºs 670350-670364

CARS ORIGINALLY BUILT 1956 BY C.&O.R.R.

THE FOLLOWING 15 CARS PURCHASED 7-1964 FROM THE DELAWARE & HUDSON RAILROAD CORP.:- Nºs 8000, 8004, 8005, 8008, 8013, 8015, 8019, 8025, 8029, 8033, 8039, 8049, 8051, 8052 & 8057.~ PURCHASE ORDER 136-130.~ FILE 21.66.8

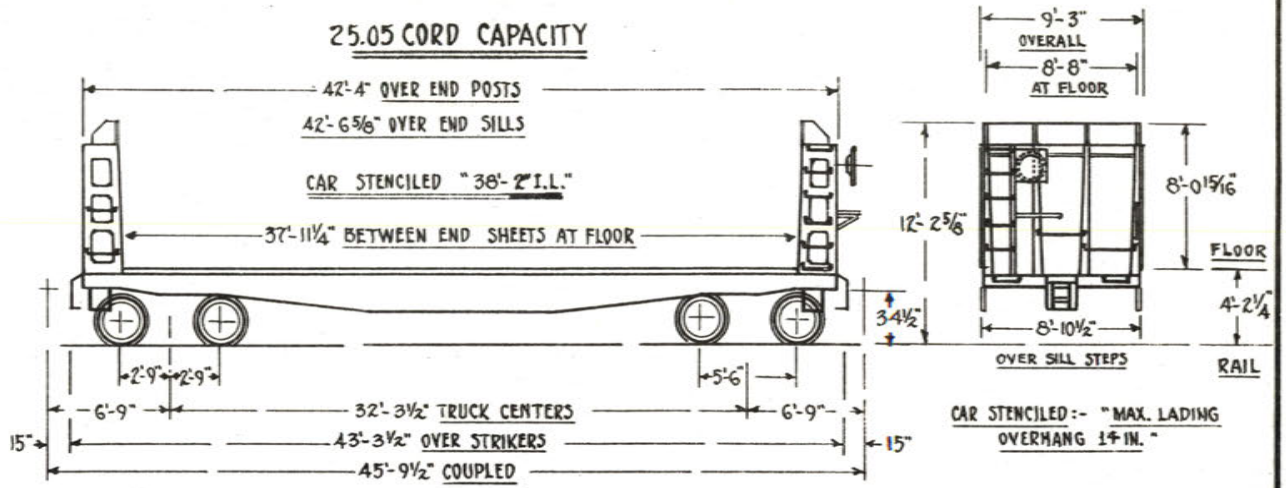
CARS AS PURCHASED HAD SOLID JOURNAL BEARINGS.~ ROLLER BEARINGS APPLIED BY WAYCROSS SHOP FORCES. THESE ROLLER BEARINGS FORMERLY ON CLASS 0-18 & 0-20 BOX CARS.

WHEELS:- M.-W. STEEL

ROPING STAPLES

ORIG. D. & H. Nºs	S.C.L. Nºs	ORIG. D. & H. Nºs	S.C.L. Nºs
8000	670357	8029	670355
8004	670358	8033	670356
8005	670354	8039	670353
8008	670359	8049	670364
8013	670360	8051	670351
8015	670361	8052	670350
8019	670363	8057	670362
8025	670352		

25.05 CORD CAPACITY



CARS REPAINTED & RESTENCILED BY A.C.L. AS PER DRWG. Nº Q-286

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY (55-TONS)	110,000 LBS.
3.	LIGHT WEIGHT	49,600 LBS.
4.	LOAD LIMIT	127,400 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	ONE PIECE CAST STEEL (G.S.C.CO)
8.	END POSTS	CAST STEEL, 4 PER END (G.S.C.CO.)
9.	END LINING	3/8" STEEL PLATE
10.	END BULKHEAD EXTENSION	3/8" STEEL PLATE & GUSSETS
11.	BULKHEAD EXTENSION LINING	3/8" STEEL PLATE
12.	FLOORING	"RECTAGRID" (STEEL)
13.	RUNNING BOARDS	NONE
14.	BRAKE STEP	APEX
15.	**DRAFT GEAR**	
16.	TYPE	FRICTION, WAUGH 700
17.	COUPLER	TYPE E, 6 1/4" x 8" SHANK, RIGID
18.	COUPLER WEAR PLATE	FORMED STEEL PLATE
19.	COUPLER CENTERING DEVICE	NONE
20.	COUPLER YOKE	VERTICAL CAST STEEL, Y-40
21.	DRAFT KEY	FORG. Nº C-3671, DRWG. Nº L-1420 (A.C.L. APPLICATION)
22.	DRAFT KEY RETAINER	AZEE
23.	UNCOUPLING DEVICE	BOTTOM OPERATED
24.	**BRAKES**	
25.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012
26.	BRAKE PIPE FITTINGS	"DRESSER"
27.	BRAKE POWER	31,416 LBS. = 63.5% @ 50# B.C.P.
28.	BRAKE ADJUSTER	"UNIVERSAL", ROTARY TYPE
29.	HAND BRAKES	AJAX, POWER TYPE
30.	**TRUCKS**	
31.	TYPE	BUCKEYE CUSHION RIDE
32.	SIDE BEARINGS	SINGLE ROLLER, A. STUCKI CO.
33.	BRAKE SHOES	A.A.R. Nº 1
34.	BRAKE SHOE KEYS	LOCKEY
35.	SNUBBER	BUCKEYE CUSHION RIDE
36.	AXLES	5 1/2" x 10" ROLLER BEARING, RAISED WHEEL SEATS
37.	JOURNAL BEARINGS	TIMKEN AP
38.	PEDESTAL ADAPTERS	INTEGRAL BOX APPLICATION
39.	BRAKE BEAMS	Nº 18 HANGER TYPE
40.	SPRINGS	
41.	**MISCELLANEOUS**	
42.	DEFECT CARD HOLDER	MOTOR WHEEL CORP.
43.	ANGLE COCK HOLDER	3/8" FORMED PLATE & "U"-BOLT
44.	TRUCK LEVERS & CONNECTIONS	PITTS. FORG. CO.; SCHAEFER CONN.

(700 TOTAL) CARS LEASED FROM EQUITABLE LIFE ASSURANCE SOCIETY OF THE U.S.
BUILT BY PULLMAN-STD. CAR MFG. CO., 1950-51 (P.-S. LOT Nº 5972)

J.W.H. 10-23-50.

Nº 3.

PULPWOOD ~ ~ CLASS W-4

SCL Nos 672000-672699

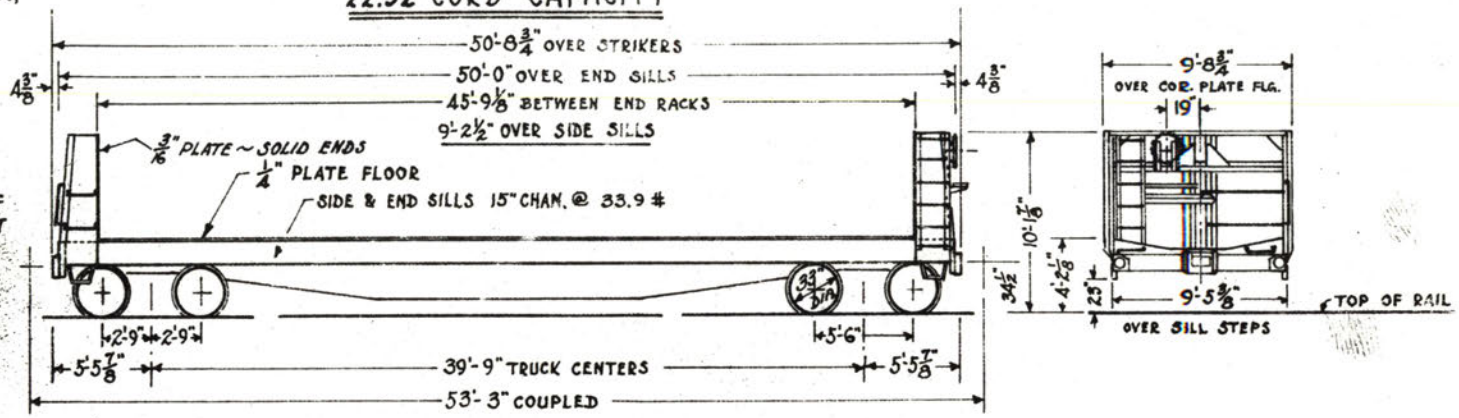
STENCILED 45'-9" I.L.
MAX. LADING OVERHANG 11"

WHEELS:- ROLLED STEEL, ONE WEAR, A.A.R. CLASS B-33.

FLOOR PAINT:- ONE COAT CAR CEMENT TOP & BOTTOM.

PAINTING:- SIDES (OUTSIDE), ONE COAT OF PRIMER & ONE COAT OF FREIGHT CAR PAINT; ENDS (OUTSIDE & INSIDE), ONE COAT OF PRIMER & ONE COAT OF FREIGHT CAR PAINT; STENCILING, WHITE LEAD & OIL.

22.52 CORD CAPACITY



NOTE:- SAME CAR BODY & BODY CONSTRUCTION AS SERIES Nº672700-673199

FROM MEMO DATED 11-13-50:- BODY WEIGHS 30,520 LBS.; TRUCKS WEIGH 14,280 LBS.; TOTAL WEIGHT 44,800 LBS.

A.A.R. MECH. DESIGNATION LP

1.	**GENERAL**	
2.	CAPACITY	(55-TONS) 110,000 LBS.
3.	LIGHT WEIGHT	44,800 LBS.
4.	LOAD LIMIT	132,200 LBS.
5.	MAX. LOAD ON RAILS	177,000 LBS.
6.	**BODY**	
7.	UNDERFRAME	BUILT-UP FISH-BELLY DESIGN WITH ⅜" WEB PLATES
8.	SUPERSTRUCTURE	(EXCEPT ENDS) NONE
9.	SHEATHING	NONE
10.	ENDS	FABRICATED STEEL & 3/16" SOLID PLATE
11.	CARLINES	NONE
12.	ROOF	NONE
13.	RUNNING BOARDS	NONE
14.	BRAKE STEP	APEX TRI-LOK METAL BRAKE STEP, TYPE A
15.	DOORS	NONE
16.	DOOR FIXTURES	NONE
17.	DOOR OPENING, CLEAR	NONE
18.	**DRAFT GEAR**	
19.	TYPE	WESTINGHOUSE FRICTION DRAFT GEAR, TYPE NY-11-F
20.	DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE, BUCKEYE
21.	COUPLER	TYPE "E", 6¼"x8" RIGID SHANK, 11" KNUCKLE, McCONWAY & TORLEY
22.	UNCOUPLING DEVICE	BOTTOM OPERATED, PULLMAN DESIGN & MFG.
23.	**BRAKES**	
24.	BRAKE SCHEDULE	WESTINGHOUSE AB-1012
25.	BRAKE POWER	31,600 LBS. = 70.9% LT. WT. @ 50 LBS. CYLD. PRESS.
26.	BRAKE ADJUSTER	
27.	HAND BRAKES	AJAX, UNIVERSAL & CHAMPION-PEACOCK
28.	**TRUCKS**	
29.	TYPE	"BARBER" S-2-A STABILIZED, 2½" SPRING TRAVEL; A.C.L. CLASS T-9-K
30.	SIDE BEARINGS	STUCKI, ROLLER TYPE
31.	DEAD LEVER FULCRUM	FORGED STEEL
32.	LATERAL MOTION DEVICE	"BARBER" S-2-A STABILIZED
33.	SNUBBER	"BARBER" S-2-A STABILIZED
34.	AXLES	A.A.R. 5½" x 10" JOURNALS, SPEC. M 101-48, RTJ & WS
35.	BRAKE BEAMS	"UNIT"
36.		
37.	**MISCELLANEOUS**	
38.	DUST GUARDS	"AJAX" DUST GUARDS & "CLINGTITE" PLUGS
39.	DEFECT CARD HOLDER	MOTOR WHEEL CORP., (T-Z RWY. EQUIP. CO.)
40.	TRUCK LEVERS	SCHAEFER

jwh. 11-29-51

No 3

(500 TOTAL) ~ CARS LEASED FROM EQUITABLE LIFE ASSURANCE SOCIETY OF THE U.S.
BUILT BY PULLMAN-STD. CAR MFG. CO., 1951-52 (P.S. LOT № 8013)

PULPWOOD ~ ~ CLASS W-4

SCL Nos 672700-673199

WHEELS:- ROLLED STEEL, ONE WEAR, A.A.R. CLASS B-33.

FLOOR PAINT:- ONE COAT CAR CEMENT TOP & BOTTOM.

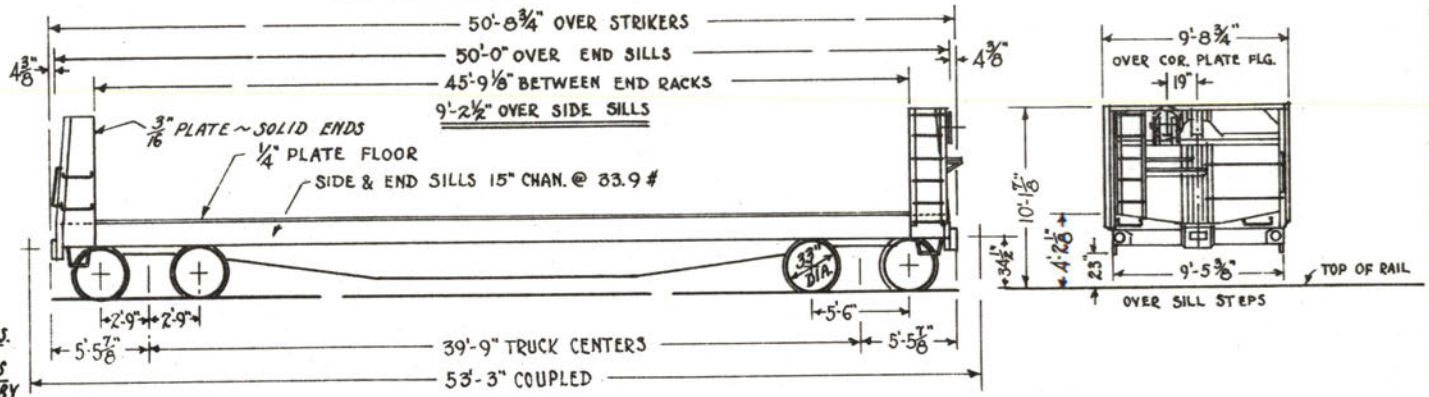
PAINTING:- SIDES (OUTSIDE), ONE COAT OF PRIMER & ONE COAT OF FREIGHT CAR PAINT; ENDS (OUTSIDE & INSIDE), ONE COAT OF PRIMER & ONE COAT OF FREIGHT CAR PAINT; STENCILING, WHITE LEAD & OIL.

10-10-66:- Nos 672879, 672957, 672970, 672903 & 673021 HAVE HAD ORIGINAL TIMKEN "C" ROLLER BEARINGS REMOVED & REPLACED BY TIMKEN "AP" BEARINGS REMOVED FROM CLASS O-18 & O-20 CARS.

Nos 672735 & 673013 HAD TIMKIN "C" ROLLER BEARINGS & PATT. F-220-B SIDE FRAMES REMOVED & REPLACED BY TIMKIN "AP" ROLLER BEARINGS & PATT. F-220-N SIDE FRAMES. TRUCK CLASS CHANGED FROM T-9-L TO T-9-S DURING APRIL 1973.

22.52 CORD CAPACITY

STENCILED 45'-9" I.L.
MAX. LADING OVERHANG 11"



NOTE: SAME CAR BODY & BODY CONSTRUCTION AS SERIES No 672000-672699

A.A.R. MECH. DESIGNATION LP

FROM FIRST CAR INSPECTION:- BODY WEIGHS 30,420; TRUCKS WEIGH 14,680; TOTAL WEIGHT 45,100.

1.	**GENERAL**		
2.	CAPACITY	(55 TONS)	110,000 LBS.
3.	LIGHT WEIGHT		45,100 LBS.
4.	LOAD LIMIT		131,900 LBS.
5.	MAX. LOAD ON RAILS		177,000 LBS.
6.	**BODY**		
7.	UNDERFRAME		BUILT-UP FISH-BELLY DESIGN WITH 3/8 WEB PLATES
8.	SUPERSTRUCTURE		(EXCEPT ENDS) NONE
9.	SHEATHING		NONE
10.	ENDS		FABRICATED STEEL & 3/16" SOLID PLATE
11.	CARLINES		NONE
12.	ROOF		NONE
13.	RUNNING BOARDS		NONE
14.	BRAKE STEP		APEX TRI-LOK BRAKE STEP, TYPE A
15.	DOORS		NONE
16.	DOOR FIXTURES		NONE
17.	DOOR OPENING, CLEAR		NONE
18.	**DRAFT GEAR**		
19.	TYPE		WESTINGHOUSE FRICTION DRAFT GEAR, TYPE NY-11-F
20.	DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE, BUCKEYE
21.	COUPLER		TYPE "E", 6¼" x 8" RIGID SHANK, 11" KNUCKLE, McCONWAY & TORLEY
22.	UNCOUPLING		BOTTOM OPERATED, PULLMAN DESIGN & MFG.
23.	**BRAKES**		
24.	BRAKE SCHEDULE		WESTINGHOUSE AB-1012
25.	BRAKE POWER		70.6% LT. WT. @ 50 LBS. CYLD. PRESS.
26.	BRAKE ADJUSTER		MANUAL
27.	HAND BRAKES		AJAX, MINER, UNIVERSAL, CHAMPION-PEACOCK
28.	**TRUCKS**		
29.	TYPE		"BARBER" S-2-A STABILIZED, 2½" SPRING TRAVEL; A.C.L. CLASS T-9-L
30.	SIDE BEARINGS		STUCKI, ROLLER TYPE
31.	DEAD LEVER FULCRUM		FORGED STEEL
32.	LATERAL MOTION DEVICE		"BARBER" S-2-A STABILIZED
33.	SNUBBER		"BARBER" S-2-A STABILIZED
34.	AXLES		5½ x 10" JOURNAL ROLLER BEARING, A.A.R. SPEC. M-101-49
35.	BRAKE BEAMS		"UNIT"
36.	JOURNAL BEARINGS		TIMKEN
37.	**MISCELLANEOUS**		
38.	DUST GUARD PLUGS		"CLING-TITE"
39.	DEFECT CARD HOLDER		MOTOR WHEEL CORP. (T-Z RWY. EQUIP. CO.)
40.	TRUCK LEVERS		SCHAEFER

9-11-53
jwh

No 3

BUILT 1953 BY BETHLEHEM STEEL CO.,
SPECIFICATION DF-185, 800 CARS.
(SAMPLE CAR Nº 110,000) FILE 21.74.6

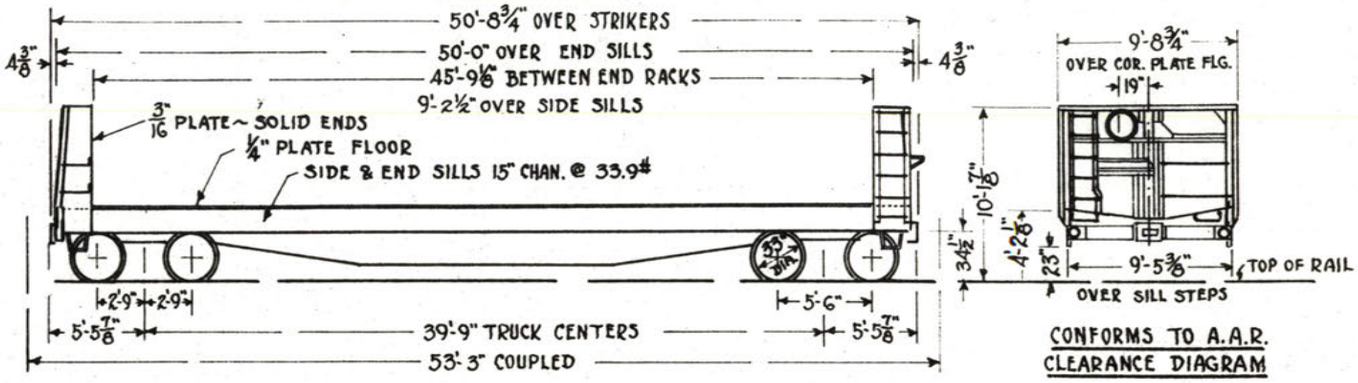
PULPWOOD ~ ~ CLASS W-4-A

SCL Nos 410000-410799

WHEELS:- ROLLED STEEL, MULTIPLE WEAR, A.A.R. WHEEL NUMBER C-33.

22.52 CORD CAPACITY

STENCILED 45'-9" I.L.
MAX. LADING OVERHANG 11"



CONFORMS TO A.A.R. CLEARANCE DIAGRAM

BODY WEIGHS 30,900 LBS. (APPROX.); TRUCKS WEIGH 16,800 LBS., (APPROX.)

A.A.R. MECH. DESIGNATION LP

1.- **GENERAL**		
2. CAPACITY	(55 TONS)	110,000 LBS.
3. LIGHT WEIGHT		47,700 LBS.
4. LOAD LIMIT		129,300 LBS.
5. MAX. LOAD ON RAILS		177,000 LBS.
6.- **BODY**		
7. UNDERFRAME	BUILT-UP FISH-BELLY DESIGN WITH ⅜" WEB PLATES	
8. SUPERSTRUCTURE	(EXCEPT ENDS)	NONE
9. SHEATHING		NONE
10. ENDS	FABRICATED STEEL & 3/16" SOLID PLATE	
11. CARLINES		NONE
12. ROOF		NONE
13. RUNNING BOARD		NONE
14. BRAKE STEP		MORTON MFG. CO.
15. DOORS		NONE
16. DOOR FIXTURES		NONE
17. DOOR OPENING, CLEAR		NONE
18.- **DRAFT GEAR**		
19. TYPE	400 CARDWELL-WESTINGHOUSE, TYPE NY-11-F; 400 SETS MINER, TYPE A-22-XL	
20. DRAFT ATTACHMENTS	VERTICAL CAST STEEL YOKE, GRADE "B", A.A.R.	
21. COUPLER	(C.S. GRADE "B") A.A.R. TYPE "E", 6¼" x 8" RIGID SHANK, 11" KNUCKLE	
22. UNCOUPLING DEVICE	"STANDARD COUPLER DEVICE" ~ STD. RWY. EQUIP. MFG. CO.	
23.- **BRAKES**		
24. BRAKE SCHEDULE	TYPE AB-1012; WESTINGHOUSE AIR BRAKE CO.	
25. BRAKE POWER		31,600 LBS. = 17.8 % OF RAIL LOAD
26. BRAKE ADJUSTER		MANUAL
27. HAND BRAKES	NON-SPIN TYPE; 400 CARS "MINER" & 400 CARS "UNIVERSAL"	
28.- **TRUCKS**		
29. TYPE	"BARBER" STABILIZED S-2-A, 2½" SPRING TRAVEL, PEDESTAL TYPE; A.C.L. CLASS T-9-S	
30. SIDE BEARINGS		ROLLER TYPE, A. STUCKI CO.
31. DEAD LEVER FULCRUM		FORGED STEEL
32. LATERAL MOTION DEVICE		"BARBER" S-2-A STABILIZED
33. SNUBBER		"BARBER" S-2-A STABILIZED
34. AXLES	5½" x 10" ROLLER BEARING FREIGHT AXLES	
35. BRAKE BEAMS		UNIT TYPE Nº 18, A.A.R. CERTIFIED
36. JOURNAL BEARINGS		TIMKEN ROLLER BEARING CO.
37. **MISCELLANEOUS**		
38. JOURNAL BEARING LUBRICANT	(GREASE, 3 LBS. PER BOX)	SHELL ALVANIA "A"
39. DEFECT CARD HOLDER		"CHEEPER", WESTERN RWY. EQUIP. CO.
40. TRUCK LEVERS		SCHAEFER

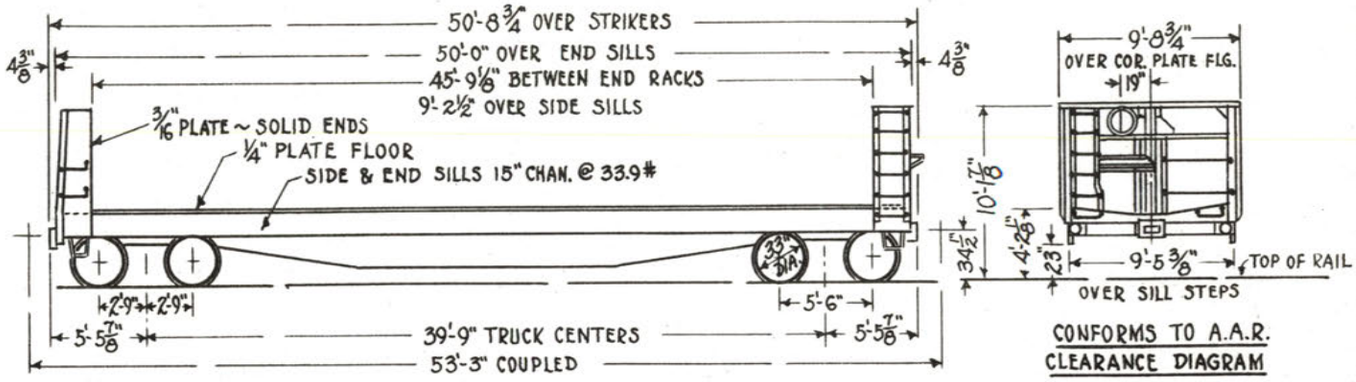
BUILT NEW (100 CARS) AT WAYCROSS SHOPS 1956-
FILE 21.66.3

PULPWOOD ~ ~ CLASS W-4

SCL Nos 410895-410899

CORD CAPACITY 22.52

WHEELS:- MULTIPLE WEAR, A.A.R. C-33, CLASS "U".



CONFORMS TO A.A.R. CLEARANCE DIAGRAM

STENCILED 45'-9" I.L.
MAX. LADING OVERHANG 11"

A.A.R. MECH. DESIGNATION LP

SEE DRWG. No S-667 FOR GENERAL ARRANGEMENT.

BODY WEIGHS APPROX. 31,100 LBS., TRUCKS WEIGH 16,600 LBS.

1.-GENERAL		
2. CAPACITY	(55-TONS)	110,000 LBS.
3. LIGHT WEIGHT		47,700 LBS.
4. LOAD LIMIT		129,300 LBS.
5. MAX. LOAD ON RAILS		177,000 LBS.
6.-BODY		
7. UNDERFRAME	BUILT-UP FISH-BELLY DESIGN WITH ⅜" WEB PLATES	
8. SUPERSTRUCTURE		(EXCEPT ENDS) NONE
9. SHEATHING		NONE
10. ENDS	FABRICATED STEEL & 3/16" SOLID PLATE	
11. CARLINES		NONE
12. ROOF		NONE
13. RUNNING BOARD		NONE
14. BRAKE STEP	APEX TRI-LOK METAL BRAKE STEP, TYPE A	
15. DOORS		NONE
16. DOOR FIXTURES		NONE
17. DOOR OPENING, CLEAR		NONE
18.-DRAFT GEAR		
19. TYPE	RUBBER DRAFT GEAR; CARDWELL-WESTINGHOUSE, WAUGHMAT, NATIONAL OR MINER	
20. DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE, Y-40
21. COUPLER		BOTTOM OPERATED, 6¼"x8" SHANK, AAR TYPE "E" (Mc&T)
22. UNCOUPLING DEVICE		"STANDARD" COUPLER DEVICE ~ (STD. R.E.CO.)
23.-BRAKES		
24. BRAKE SCHEDULE		TYPE AB 1012; WESTINGHOUSE AIR BRAKE CO.
25. BRAKE POWER		31,600 LBS. = 17.8 % OF RAIL LOAD
26. BRAKE ADJUSTER		MANUAL
27. HAND BRAKES		UNIVERSAL POWER, NON-SPIN TYPE
28.-TRUCKS		
29. TYPE	"A.S.F." A-3 RIDE CONTROL; 2½" SPRING TRAVEL; A.C.L. CLASS T-9-M	
30. SIDE BEARINGS		SINGLE ROLLER; A. STUCKI
31. LATERAL MOTION DEVICE		"A.S.F." A-3 RIDE CONTROL
32. SNUBBER		"A.S.F." A-3 RIDE CONTROL
33. AXLES		5½"x10" ROLLER BEARING FREIGHT AXLES
34. BRAKE BEAMS		"UNIT" No 18
35. JOURNAL BEARINGS		HYATT "HY-ROLL"
36. JOURNAL BEARING LUBRICANT		LUBRICO M-1
37. TRUCK LEVERS		SCHAEFER
38.-MISCELLANEOUS		
39. DEFECT CARD HOLDER		MOTOR WHEEL
40. PIPE FITTINGS		"DRESSER"

jwh 10-56

No 3

12-5-56
j wh

No 3

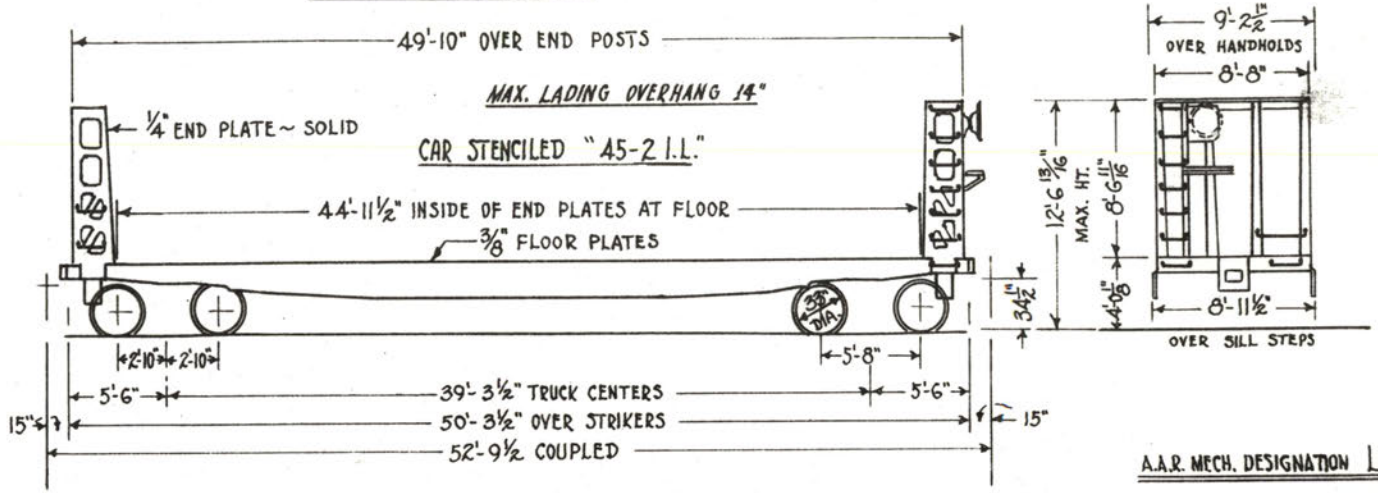
BUILT 1957 BY A.C.F. ~ LOT Nº 01-4861.

PULPWOOD ~ ~ CLASS W-6

SCL Nos 410900-411699

31.49 CORD CAPACITY

WHEELS:- R.S., MULTIPLE WEAR,
A.A.R. D-33, CLASS "U"



A.A.R. MECH. DESIGNATION LP

1.-GENERAL		
2. CAPACITY	(77-TONS)	154,000 LBS.
3. LIGHT WEIGHT		56,300 LBS.
4. LOAD LIMIT		163,700 LBS.
5. MAX. LOAD ON RAILS		220,000 LBS
6.-BODY		
7. UNDERFRAME		ONE PIECE CAST STEEL (GENERAL STEEL CASTINGS CORP.)
8. SUPERSTRUCTURE		(EXCEPT ENDS) NONE
9. SHEATHING		NONE
10. ENDS		FOUR POST CAST STEEL FRAME WITH 1/4" SOLID STEEL PLATE
11. CARLINES		NONE
12. ROOF		NONE
13. RUNNING BOARDS		NONE
14. BRAKE STEP		U.S. GYPSUM CO.
15.-DRAFT GEAR		
16. TYPE		CARDWELL-WESTINGHOUSE, 600 CARS ; PEERLESS, 200 CARS
17. DRAFT ATTACHMENTS		VERTICAL CAST STEEL YOKE
18. COUPLER CENTERING DEVICE		NONE
19. COUPLER		TYPE "E", 6 1/4" x 8" RIGID SHANK, 11" KNUCKLE
20. UNCOUPLING DEVICE		STANDARD COUPLER DEVICE

21.-BRAKES	
22. BRAKE SCHEDULE	WESTINGHOUSE AB-1012
23. BRAKE POWER	37,912 LBS. = 17.23 % MAX. RAIL LOAD
24. BRAKE ADJUSTER	MANUAL
25. HAND BRAKES	NON-SPIN TYPE ; 400 HAVE UNIVERSAL, 400 AJAX
26.-TRUCKS	
27. TYPE	BARBER S-2-A, 2 1/2" SPRING TRAVEL, A.C.L. CLASS T-10-H
28.	TIMKEN 6 x 11 AP ROLLER BEARINGS
29. SIDE BEARINGS	TYPE, A. STUCKI
30. BRAKE SHOE KEY	"LOCKEY", A.B.S.CO.
31. LATERAL MOTION DEVICE	BARBER S-2-A
32. SNUBBER	BARBER S-2-A
33. AXLES	A.A.R. 6 x 11 ROLLER BEARING FREIGHT
34. BRAKE BEAMS	UNIT
35. TRUCK LEVERS	SCHAEFER
36. JOURNAL BEARINGS	ROLLER; SEE LINE 28
37. JOURNAL BEARING LUBRICANT	A.A.R. ROLLER BEARING GREASE
38.-MISCELLANEOUS	
39. DEFECT CARD HOLDER	MOTOR WHEEL
40.	

8-25-64
j wh

214 CARS BUILT 1965 BY GENERAL STEEL INDUSTRIES, INC., THEIR № Q-55142-P; P.A. ORDER № 135-981; FILE 21.98.19.

PULPWOOD ~ ~ CLASS W-6

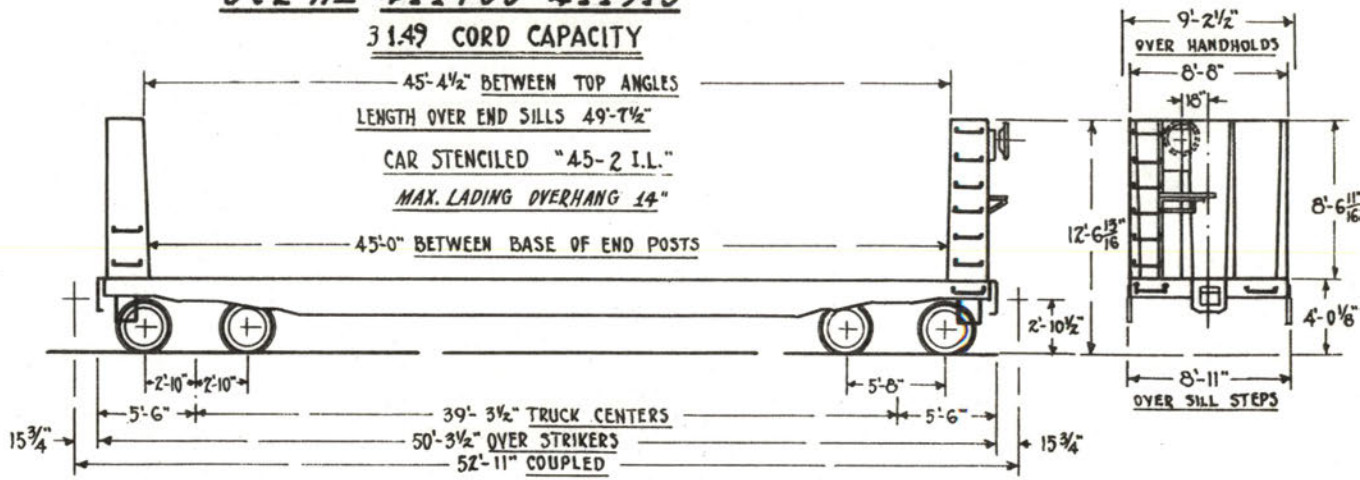
SCL Nos 411700-411913

31.49 CORD CAPACITY

WHEELS:- A.A.R. TYPE CJ-33, 33" DIA. ONE WEAR CAST STEEL.

FLOOR SLOPES INWARD TO CENTER OF CAR. TOP OF CENTER SILL APPROX. 6" BELOW TOP OF SIDESILL.

WT. OF TRUCK AT "B" END 8760 LBS.
WT. OF TRUCK AT "A" END 8750 LBS.



FOR GENERAL ARRANGEMENT SEE GENERAL STEEL INDUSTRIES DRWG. № 32746.

BRAKE ARRANGEMENT, G.S.I. DRWG. № 32747; STENCILING ARRGT., G.S.I. DRWG. № 32748.

A.A.R. MECH. DESIGNATION LP

FREIGHT BOOK № 3

1.-	**GENERAL**		
2.	CAPACITY	(77-TONS)	154,000 LBS.
3.	LIGHT WEIGHT		55,400 LBS.
4.	LOAD LIMIT		164,600 LBS.
5.	MAX. LOAD ON RAILS		220,000 LBS.
6.-	**BODY**		
7.	UNDERFRAME		ONE-PIECE CAST STEEL; G.S.I. DRWG. № Z-32048
8.	FLOOR SHEETS, CENTER (2)	(0.12 MAX. CARBON)	198" x 38" x 3/8"
9.	FLOOR SHEETS, END (4)	(0.12 MAX. CARBON)	167½" x 38" x 3/8"
10.	END POSTS, 2-R & 2-L EACH END		ONE-PIECE CAST STEEL; G.S.I. № Z-30962
11.	END (BULKHEAD) SHEET	(A.A.R. M-116, GRADE A)	8'-6" x 8'-2" x ¼"
12.	END POST TOP ANGLE		6" x 6" x 5/8"; 8'-6" LG.
13.	BRAKE STEP		SRG-4400, TYPE "S"; APEX RWY. PROD. CO.
14.	ROPING STAPLE		G.S.I. DWG. № 34020-2
15.	BELL CRANK		A.A.R.-55; "MINER" 100 c/s, "UNIVERSAL" 100 c/s
16.-	**DRAFT GEAR**		
17.	TYPE		TYPE 700; WAUGH EQUIPMENT CO.
18.	COUPLER		CAST STEEL, B-E60A-HT; BOTTOM OPERATING
19.	COUPLER WEAR PLATE		CAST STEEL, 6⅛" x ½" x 10¾"; BUCKEYE DRWG. № A-3775-C
20.	COUPLER YOKE		A.A.R. B-Y40, GRADE "B" CAST STEEL, VERTICAL PLANE
21.	DRAFT KEY		A.A.R. 6" x 1½"; PART № 115; BERWICK FORGE & FAB. CORP
22.	DRAFT KEY RETAINER		"AZEE" 692-A; ILL. RWY. EQUIP. CO.
23.	UNCOUPLING RIGGING		BOTTOM OPERATED, (DRWG. № IU-17472) STD. RWY. EQUIP. MFG. CO.
24.-	**BRAKES**		
25.	BRAKE SCHEDULE		WESTINGHOUSE AB-1012; QRB VALVE
26.	FITTINGS		GRIPSEAL
27.	BRAKE PIPE COUPLINGS		3/8" & 1¼", "DRESSER"
28.	BRAKE POWER		BRAKING RATIO LT. CAR = 72.9%; RAIL LOAD LIMIT = 18.2%
29.	BRAKE BADGE PLATE		CAST ALUMINUM, G.S.I. DRWG. № 34013-18
30.	BRAKE ADJUSTER		(NONE) MANUAL
31.	HANDBRAKES		W.H. MINER, INC., DRWG. № 23453; 100 CAR SETS
32.	HANDBRAKES		UNIVERSAL RAILWAY DEVICES CO., DRWG. № 7400; 100 CAR SETS
33.-	**TRUCKS**		
34.	TYPE		2½" SPRING TRAVEL, BARBER S-2-A; A.C.L. CLASS T-10-K
35.	SIDE BEARINGS		SINGLE ROLLER, STUCKI 656-C & STUCKI BODY WEAR PLATE 782
36.	SNUBBER		BARBER S-2-A
37.	CENTER PLATE LUBRICANT		MOLYBDENUM DISULFIDE POWDER IN VARSOL 50/50 BY WEIGHT
38.	BRAKE SHOES		A.A.R. ALT. STD. 1½" UNFLANGED SHOE; A.B.S. CO.
39.	BRAKE SHOE KEY		"LOCKEY", SPRING TYPE; DRWG. 20382, A.B.S. CO.
40.	AXLES		AXLE CLASS "E", 6" x 11" A.A.R. STD., ROLLER BEARING; A.A.R. PLATE D-6-D
41.	ROLLER BEARINGS		6" x 11"; SKF 85 c/s; HYATT 35 c/s; BRENCO 80 c/s
42.	ROLLER BEARING ADAPTER		6" x 11", AMERICAN BRAKE SHOE CO.
43.	BRAKE BEAMS		A.A.R. № 18, UNIT TYPE; DAVIS, 75 c/s; "CRECO", 125 c/s
44.	BRAKE BEAM WEAR PLATES		UNIT TRUCK CORP., DRWG. № UW-133-B
45.	SPRINGS	(EACH TRUCK)	14 OUTER COILS, 2 INNER COILS & 4 SIDE COILS
46.-	**MISCELLANEOUS**		
47.	DEFECT CARD HOLDER		"CHEEPER"; DRWG. 22-2716, WESTERN RWY. EQUIP. CO.
48.	TRUCK LEVERS & CONNECTIONS		SCHAEFER EQUIPMENT CO.
49.	COTTER PINS		"PERFECTION"
50.	BRAKE EYES & JAWS		SCHAEFER EQUIPMENT CO.

PULPWOOD ~ ~ CLASS W-6

SCL Nos 411914-412113

200 CARS BUILT 1965-66 BY GENERAL STEEL INDUSTRIES, INC., GRANITE CITY, ILL. ~ P.A. ORDER No 136-629 ~ FILE 21.98.22

A.C.L. SPEC. No 1035.

7-19-65 j wh 12-20-65

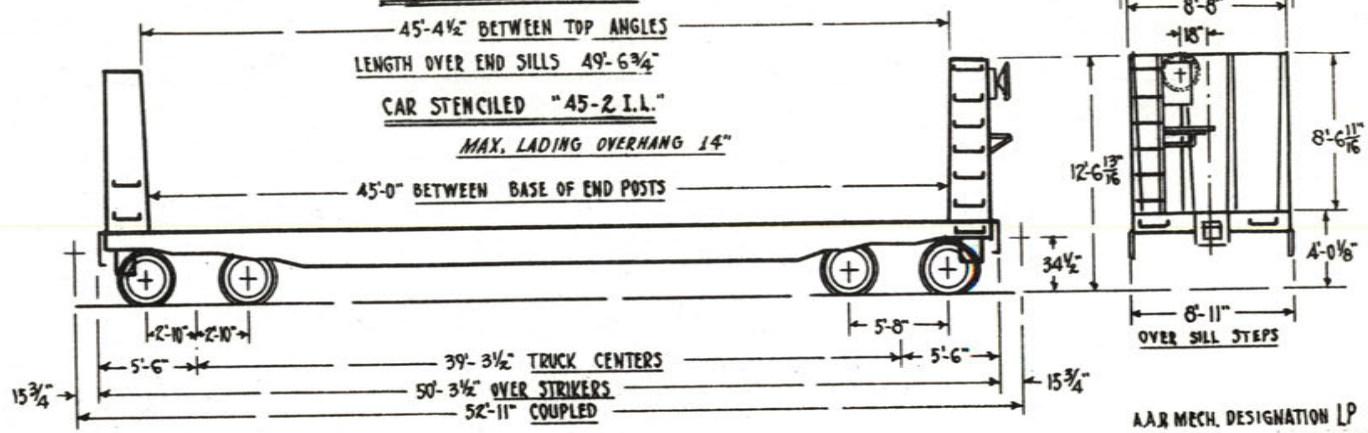
WHEELS:- A.A.R. TYPE CJ-33, ONE WEAR CAST STEEL, 33" DIA.

FLOOR SLOPES INWARD TO CENTER OF CAR. TOP OF CENTER SILL APPROX. 6" BELOW TOP OF SIDESILL.

WT. OF TRUCK AT "B" END 8,620 LBS.
WT. OF TRUCK AT "A" END 8,660 LBS.

PAINTING:- ONE COAT ZINC CHROMATE PRIMER & ONE COAT BLACK CAR CEMENT.~ STENCILING:- WHITE STENCIL PAINT EPI-FLEX, NON-BLEEDING.

31.49 CORD CAPACITY



A.A.R. MECH. DESIGNATION LP

STENCIL DRWG. S-882.

FREIGHT BOOK No 3

1.-	**GENERAL**		
2.	CAPACITY	(77-TONS)	154,000 LBS.
3.	LIGHTWEIGHT		55,800 LBS.
4.	LOAD LIMIT		164,200 LBS.
5.	MAX. LOAD ON RAIL		220,000 LBS.
6.-	**BODY**		
7.	UNDERFRAME	ONE-PIECE CAST STEEL; G.S.I. DRWG. No Z-32797	
8.	BODY CENTER PLATE	CAST INTERGRAL; MACHINE FINISH BY G.S.I.	
9.	LUBRICATION	MOLYBDENUM DISULPHIDE IN VARSOL (50/50 BY WEIGHT)	
10.	BODY SIDE BEARINGS	⅝" THICK WEAR PLATES; A. STUCKI CO.; ¾" CTSK. RIVETS	
11.	FLOOR SHEETS, CENTER (2)	(0.12 MAX. CARBON)	198" x 38" x ⅜"
12.	FLOOR SHEETS, END (4)	(0.12 MAX. CARBON)	167½" x 38" x ⅜"
13.	END POSTS, 2-R & 2-L EACH	ONE-PIECE CAST STEEL; G.S.I. No Z-30962-A	
14.	END SHEET (BULKHEAD)	(A.A.R. M-116, GRADE A)	8'-6" x 8'-2" x ¼"
15.	END POST TOP ANGLE		6" x 6" x ⅝"; 8'-6" LG.
16.	END LADDER STILES		3" x 3" x ⅜" ANGLES
17.	HUCK BOLTS	SAFETY APPLIANCES, BRAKE WORK, ETC. (NOT IN TENSION)	
18.	ELASTIC STOP NUTS	BRAKE CYLINDER, RESERVOIR & AB-VALVE	
19.	BRAKE STEP	SRG-4400, TYPE "3"; APEX. RWY. PROD. CO.	
20.	BELL CRANK		A.A.R.-55
21.	ROPING STAPLE		G.S.I. DRWG. No 34020-2
22.	COUPLER WEAR PLATE	CAST STEEL, 6⅛" x ½" x 10¾"; BUCKEYE DRWG. No A-3775-C	
23.	DRAFT KEY	A.A.R. 6" x 1½"; PART No 115; BERWICK FORGE & FAB. CORP.	
24.	DRAFT KEY RETAINER	"AZEE" 692-A; ILL. RWY. EQUIP. CO.	
25.	BRAKE BADGE PLATE	CAST ALUMINUM, G.S.I. DRWG. No 34013-18	
26.	BODY BRAKE LEVERS		SCHAEFER EQUIP. CO.
27.	DRAFT GEAR CARRIER	8-⅞" RIVETS; 12" x ⅝" x 22½"; G.S.I. DRWG. No 34010-4	
28.	ANGLE COCK BRACKET	½" x 6" PLATE, G.S.I. DRWG. No 34008-2	
29.	ROUTE CARDBOARD		G.S.I. DRWG. No 34012-1
30.			

31.-	**DRAFT GEAR**	
32.	TYPE	TYPE 700, WAUGH EQUIP. CO.
33.	COUPLER YOKE	VERTICAL PLANE, HORIZONTAL KEY, CAST STEEL, GRADE "B", A.A.R. BY-40
34.	COUPLER	CAST STEEL, A.A.R. TYPE "E", 6¼" x 8" SHANK; CAT. No B-E60A-HT
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED, (DRWG. No IU-17472) STD. RWY. EQUIP. CO.
36.-	**BRAKES**	
37.	BRAKE SCHEDULE	WESTINGHOUSE 1012 WITH QRB VALVE & L.H. MANIFOLD
38.	FITTINGS	GRIPSEAL
39.	BRAKE POWER	18-22% OF THE GROSS RAIL LOAD @ 50# CYLINDER PRESSURE
40.	BRAKE REGULATOR	MANUAL, MULTIPLE HOLE
41.	TRAINLINE FITTINGS	COUPLINGS "DRESSER"; 1¼" & ⅜" PIPE CLAMPS, I.R.E.CO.
42.	HAND BRAKES	100% A.A.R. VERTICAL TYPE WHEEL, NON-SPIN; AJAX TYPE 5
43.		100% EQUIPCO; RAILWAY CAR EQUIP. CO.
44.-	**TRUCKS**	
45.	TYPE	BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE; CLASS **T-10-K**
46.	SIDE BEARINGS	SINGLE ROLLER; A. STUCKI CO. DRWG. No 656-C
47.	SNUBBER	S-2-A
48.	BRAKE SHOES	A.A.R.-1A; AMERICAN BRAKE SHOE CO.
49.	BRAKE SHOE KEY	LOCKEY; AMERICAN BRAKE SHOE CO.
50.	PEDESTAL ADAPTERS	AMERICAN BRAKE SHOE CO.
51.	AXLES	6" x 11" ROLLER BEARING, A.A.R. SPEC. M-101, D-6-D; RAISED WHEEL SEATS
52.	BRAKE BEAMS	UNIT TYPE No 18; 50% C.M.C.CO.; 50% DAVIS; 100% CRECO
53.	JOURNAL BEARINGS	6" x 11" ROLLER BEARING; 50% HYATT; 75% SKF; 75% BRENCO
54.	TRUCK SPRINGS	2½" TRAVEL (28 OUTER, 4 INNER); UNION SPRING CO.
55.	TRUCK BOTTOM ROD CONN.	SCHAEFER DRWG. No 1203-370-B
56.	TRUCK BRAKE LEVERS	SCHAEFER EQUIP. CO. ~ 7" x 14", DRWG. 1231; 5" x 10", DRWG. 1234
57.-	**MISCELLANEOUS**	
58.	DEFECT CARD HOLDER	"CHEEPER", WESTERN RWY. EQUIP. CO
59.		
60.		

PULPWOOD ~ ~ CLASS W-6

SCL Nos 412114-412413

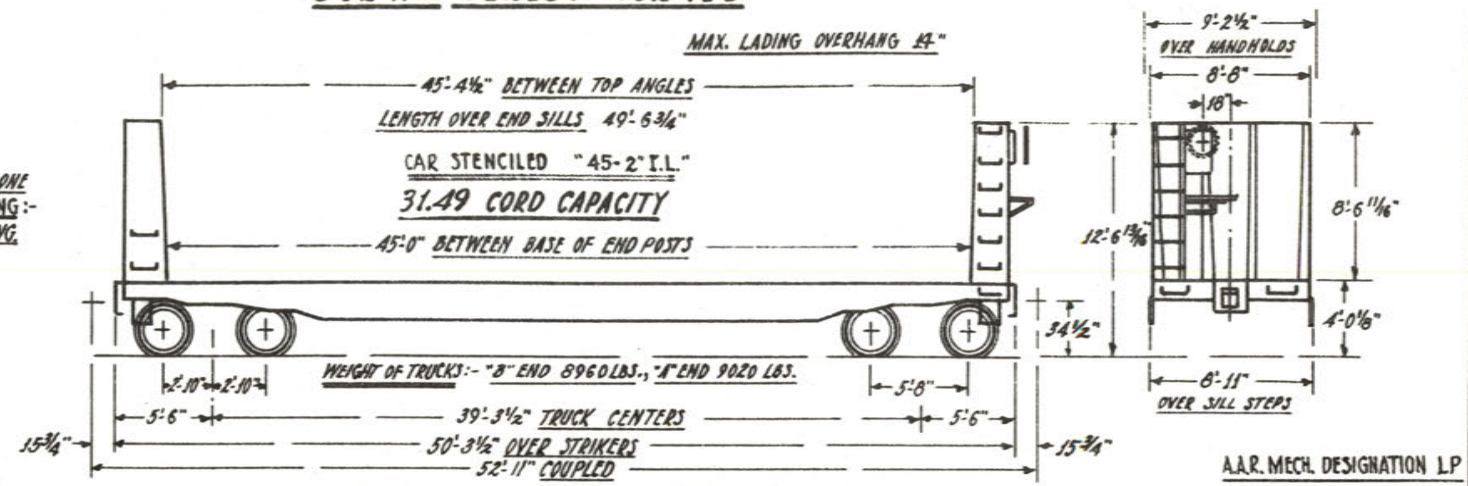
300 CARS BUILT 1966-67 BY GENERAL STEEL INDUSTRIES, INC., GRANITE CITY, ILL. ~ THEIR LOT Nº 44 ~ A.C.L. SPEC. Nº 1035, DATED 2-26-65 ~ P.A. ORDER 137-141 ~ FILE 21.98.24

WHEELS:- A.A.R. TYPE CJ-33, ONE WEAR CAST STEEL, 33" DIA.

FLOOR SLOPES INWARD TO CENTER OF CAR. TOP OF CENTER SILL APPROX. 6" BELOW TOP OF SIDESILL.

PAINTING:- ONE COAT ZINC CHROMATE PRIMER & ONE COAT BLACK CAR CEMENT. ~ STENCILING:- WHITE STENCIL PAINT EPI-FLEX, NON-BLEEDING.

BODY BRAKE LEVERS BY SCHAEFER EQUIP. CO.



STENCIL DRWG. Nº S-882.

A.A.R. MECH. DESIGNATION LP

1.-	**GENERAL**		
2.	CAPACITY	(77-TONS)	154,000 LBS.
3.	LIGHTWEIGHT (SAMPLE CAR 112114)		56,100 LBS.
4.	LOAD LIMIT		163,900 LBS.
5.	MAX. LOAD ON RAIL		220,000 LBS.
6.-	**BODY**		
7.	UNDERFRAME		ONE-PIECE CAST STEEL; G.S.I. DRWG. Nº Z-32797
8.	BODY CENTER PLATE		CAST INTERGRAL; MACHINE FINISH BY G.S.I.
9.	LUBRICATION		MOLYBDENUM DISULPHIDE IN VARSOL (50/50 BY WEIGHT)
10.	BODY SIDE BEARINGS		⅝" THICK STEEL WEAR PLATES; A. STUCKI CO.; ¾" CTSK. RIVETS
11.	FLOOR SHEETS, CENTER (2)	(0.12 MAX. CARBON)	198" x 38" x ⅜"
12.	FLOOR SHEETS, END (4)	(0.12 MAX. CARBON)	167½" x 38" x ⅜"
13.	END POSTS, 2-R & 2-L EACH		ONE-PIECE CAST STEEL; G.S.I. DRWG. Nº Z-30962-A
14.	END SHEET (BULKHEAD)	(A.A.R. M-116, GRADE A)	8'-6" x 8'-2" x ¼"
15.	END POST TOP ANGLE		6" x 6" x ⅝"; 8'-6" LG.
16.	END LADDER STILES		3" x 3" x ⅜" ANGLES
17.	HUCK BOLTS		SAFETY APPLIANCES, BRAKE WORK, ETC. (NOT IN TENSION)
18.	ELASTIC STOP NUTS		BRAKE CYLINDER, RESERVOIR & AB-VALVE
19.	BRAKE STEP		SRG-4400, TYPE "S"; APEX RWY. PROD. CO.
20.	BELL CRANK		A.A.R.-55
21.	ROPING STAPLE		G.S.I. DRWG. Nº 34020-Z; 4 RIVETS
22.	COUPLER WEAR PLATE		CAST STEEL, 6⅛" x ½" x 10¾"; BUCKEYE DRWG. Nº A-3775-C
23.	DRAFT KEY		A.A.R. 6" x 1½"; PART Nº 115; BERWICK FORGE & FAB. CORP.
24.	DRAFT KEY RETAINER		"AZEE" 692-A; ILL. RWY. EQUIP. CO.
25.	BRAKE BADGE PLATE		CAST ALUMINUM; G.S.I. DRWG. Nº 34013-18
26.	BODY BRAKE LEVERS		SCHAEFER EQUIP. CO.
27.	DRAFT GEAR CARRIER		8-⅞" RIVETS; 12" x ⅜" x 22½"; G.S.I. DRWG. Nº 34010-4
28.	ANGLE COCK BRACKET		½" x 6" STEEL PLATE; G.S.I. DRWG. Nº 34008-2
29.	ROUTE CARDBOARD		2 PER CAR, SOFT WOOD; G.S.I. DRWG. Nº 34012-1
30.			

31.-	**DRAFT GEAR**	
32.	TYPE	
33.	COUPLER YOKE	VERTICAL PLANE, HORIZONTAL KEY, CAST STEEL, GRADE "B", A.A.R. BY-40
34.	COUPLER	CAST STEEL, A.A.R. TYPE "E", 6¼" x 8" SHANK; CAT. Nº B-E60A-HT
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED (DRWG. Nº IU-17472) STANRAY CO.
36.-	**BRAKES**	
37.	BRAKE SCHEDULE	STANDARD AB-1012 WITH QRB VALVE & L.H. MANIFOLD
38.	FITTINGS	GRIPSEAL
39.	BRAKE POWER	18-22% OF THE GROSS RAIL LOAD @ 50# CYLINDER PRESSURE
40.	BRAKE REGULATOR	ELCON-NATIONAL
41.	TRAINLINE FITTINGS	COUPLINGS, "DRESSER"; 1¼" & ⅜" PIPE CLAMPS, I.R.E.CO.
42.	HAND BRAKES	A.A.R. VERTICAL TYPE WHEEL, NON-SPIN; 200 % AJAX TYPE 5,
43.		100 % GENERAL STANDARD CO.
44.-	**TRUCKS**	
45.	TYPE	BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE; CLASS **T-30-K**
46.	SIDE BEARINGS	SINGLE ROLLER; A. STUCKI CO. DRWG. Nº 656-C
47.	SNUBBER	S-2-A
48.	BRAKE SHOES	A.A.R.-1A; AMERICAN BRAKE SHOE CO.
49.	BRAKE SHOE KEY	LOCKEY; AMERICAN BRAKE SHOE CO.
50.	PEDESTAL ADAPTERS	AMERICAN BRAKE SHOE CO.
51.	AXLES	6" x 11" ROLLER BEARING, A.A.R. SPEC. M-101, D-11-1965; RAISED WHEEL SEATS
52.	BRAKE BEAMS	UNIT TYPE Nº 18; 200 % CRECO; 100 % DAVIS
53.	JOURNAL BEARINGS	6" x 11" ROLLER BEARINGS; 75 % TIMKEN;
54.		75 % HYATT; 75 % BRENCO; 75 % S.K.F.
55.	TRUCK SPRINGS	2½" TRAVEL (28 OUTER, 4 INNER) CRUCIBLE STEEL CO.
56.	TRUCK BOTTOM ROD CONN.	SCHAEFER DRWG. Nº 1203-370-B
57.	TRUCK BRAKE LEVERS	SCHAEFER EQUIP. CO. ~ 7" x 14", DRWG. 1231; 5" x 10", DRWG. 1234
58.-	**MISCELLANEOUS**	
59.	PUSH ROD	1⅜" DIA.; SCHAEFER Nº 1017-267
60.	DEFECT CARD HOLDER	"CHEEPER", WESTERN RWY. EQUIP. CO.

FREIGHT BOOK Nº 3

3-27-67
jwA

9-19-67

300 CARS BUILT 1967 BY GREENVILLE STEEL CAR CO., GREENVILLE, PA. ~ P.A. ORDER Nº 137-416 ~ A.C.L. SPEC. Nº 1047 ~ FILE Nº 21.98.25

COMBINED BOLSTER CENTER FILLER & REAR DRAFT LUGS:- SYMINGTON-WAYNE'S DRWG. Nº 4990, PATT. Nº B3-333.

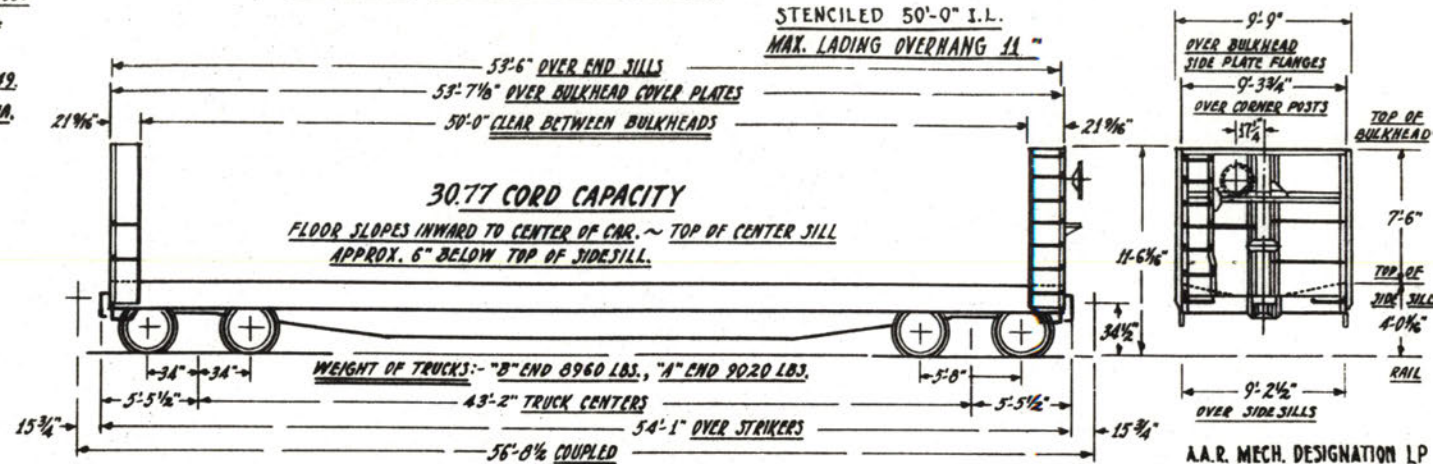
COMBINED STRIKER & FRONT DRAFT LUGS:- SYMINGTON-WAYNE'S DRWG. Nº 4991, REV. B, PATT. Nº SC-149.

WHEELS:- A.A.R. TYPE J-33, 1-W WROT STEEL, 33" DIA.

PAINT & PRIMER:- ACRYLIC SYSTEM
DUPONT, 90 c/s.
SHERWIN-WILLIAMS 89 c/s.
MOBIL CHEMICAL 32 c/s.
P.P.G. 89 c/s.

PULPWOOD ~ ~ CLASS W-7

SCL Nos 412414-412713



G.S.C.CO.'S GEN. ARRGT. DRWG. Nº 32354.

A.A.R. MECH. DESIGNATION LP

FREIGHT DATA BOOK Nº 3

1.	**GENERAL**	
2.	CAPACITY (77-TONS)	154,000 LBS.
3.	LIGHTWEIGHT	54,800 LBS.
4.	LOAD LIMIT	165,200 LBS.
5.	MAX. LOAD ON RAIL	220,000 LBS.
6.	**BODY**	
7.	UNDERFRAME & BULKHEADS	FORMED & FABRICATED, RIVETED CONSTRUCTION
8.	CENTER SILL	FISH BELLY TYPE, RIVETED CONSTRUCTION, TOP COVER
9.		PLATE ½" x 24", 7/16 WEB PLATES, EACH HAS FOUR 4" x 3½" x ⅝" ANGLES
10.	BOLSTERS	⅝" x 24" TOP & BOTTOM COVER PLATES & ⅜ PLATE FORMED DIAPHRAMS
11.	BODY CENTER PLATE	CAST STEEL, (8) ⅞" RIVETS, S.C.L. PATT. Nº F-319-Y
12.	BODY SIDE BEARINGS	
13.	BODY SIDE BEARING BRACE	CAST STEEL, UNITCAST DRWG. Nº 10989
14.	CROSSBEARERS, 3 PER CAR	¼" PLATE FLANGED WEB & ½" x 6" TOP & BOTTOM COVER PLATES
15.	CROSSTIES, 16 PER CAR	¼" STEEL PLATE, FLANGED 3" AROUND
16.	FLOOR SHEETS, 4 INTER. & 2 CENTER	¼" STEEL PLATE
17.	SIDE SILLS	18" CHANNEL @ 45.8 LBS.
18.	END SILLS	12" CHANNEL @ 30.0 LBS.
19.	END SILL COVER PLATE	¼" STEEL PLATE, FLANGED
20.	END BULKHEADS	RIVETED CONSTRUCTION, END SHEETS ¼" PLATE, SIDES
21.		5/16 FORMED PLATE, TOP COVER ¼" PLATE, CORNER ANGLES 3½" x 3½" x 5/16"
22.	BRAKE STEP	150 % U.S. GYPSUM CO. & 150 % APEX RWY. PRODUCTS CO.
23.	BELL CRANK	A.A.R. 55
24.	ROPING STAPLE	4 PER CAR, 4 RIVETS EACH; BETHLEHEM DRWG. A-36635
25.	COUPLER WEAR PLATE	DROP-FORGED; PITTSBURGH FORGINGS CO.'S DRWG. Nº MD-1264
26.	DRAFT KEY	1½" x 6" CARBON STEEL; G.S.C.CO.'S DRWG. 11701
27.	DRAFT GEAR CARRIER	⅝" x 12" x 20⅜" STEEL PLATE, (8) ⅞ RIVETS; G.S.C.CO.'S DRWG. 32343
28.	BRAKE BADGE PLATE	CAST PLATE, G.S.C.CO.'S DRWG. 32376
29.	BODY BRAKE LEVERS	SCHAEFER EQUIPMENT CO.
30.	ANGLE COCK SUPPORT	7/16" FORMED PLATE; G.S.C.CO.'S DRWG. 32353
31.	**DRAFT GEAR**	
32.	TYPE	WAUGH TYPE 700; WAUGH EQUIPMENT CO.
33.	COUPLER YOKE	VERTICAL PLANE, HORIZONTAL KEY, CAST STEEL, GRADE "B", A.A.R. BY-40
34.	COUPLER	CAST STEEL, A.A.R. TYPE "E", 6¼" x 8" SHANK; CAT. Nº B-E60A-H.T.
35.	COUPLER RELEASE RIGGING	BOTTOM OPERATED (DRWG. Nº IU-13242, REV. "C") STANRAY CO.
36.	**BRAKES**	
37.	BRAKE SCHEDULE	STANDARD ABC1-1012; NEW YORK AIR BRAKE CO.
38.	FITTINGS	GRIPSEAL
39.	TRAINLINE FITTINGS	DRESSER
40.	BRAKE POWER	18.29 % OF THE GROSS RAIL LOAD @ 50 # CYLINDER PRESSURE
41.	BRAKE REGULATOR	150 % UNIVERSAL MODEL 1700-1; 150 % SAB MODEL DRV2US
42.	HAND BRAKES	A.A.R. VERTICAL WHEEL, NON-SPIN; 150 % AJAX Nº 5, Nº 14665,
43.		DRWG. Nº 14700; 150 % KLASING TYPE 1150, DRWG. Nº D-1300
44.	**TRUCKS**	
45.	TYPE	BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE; CLASS **T-10-K**
46.	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S DRWG. Nº 656-C
47.	SNUBBER	S-2-A
48.	BRAKE SHOES	A.A.R. 1-A; AMERICAN BRAKE SHOE CO.
49.	BRAKE SHOE KEY	"LOCKEY", SPRING TYPE; AMERICAN BRAKE SHOE CO.
50.	PEDESTAL ADAPTERS	AMERICAN BRAKE SHOE CO.
51.	AXLES	6" x 11" ROLLER BEARING, A.A.R. SPEC. M-101, D-11-1965; RAISED WHEEL SEATS
52.	BRAKE BEAMS	UNIT TYPE A.A.R.-18; 150 % CRECO, 150 % DAVIS
53.	JOURNAL BEARINGS	6" x 11"; 75 % TIMKEN, DRWG. E-21995-M; 75 % HYATT,
54.		DRWG. 4-R-2843; 75 % BRENCO, DRWG. 2583; 75 % SKF, DRWG. Z-5360-G
55.	TRUCK SPRINGS	2½" TRAVEL (28 OUTER, 4 INNER) CRUCIBLE STEEL CO.
56.	TRUCK BOTTOM ROD CONN.	(37" BETWEEN INNER HOLES) SCHAEFER DRWG. Nº 1203-370-B
57.	TRUCK BRAKE LEVERS	SCHAEFER EQUIP. CO. ~ 7" x 14", DRWG. 1231; 5" x 10", DRWG. 1234
58.	**MISCELLANEOUS**	
59.	PUSH ROD	PITTSBURGH FORGINGS CO. Nº SK-1301; DRWG. Nº SK-15681
60.	DEFECT CARD HOLDER	"CHEEPED", WESTERN RWY. EQUIP. CO.

PULPWOOD ~ SCL Nos 110000-110499 ~ CLASS LP-1

300 CARS BUILT 1970 BY GENERAL STEEL INDUSTRIES, INC., GRANITE CITY, ILL. ~ S.C.L. P.A. ORDER E-38. FILE 21.66.11

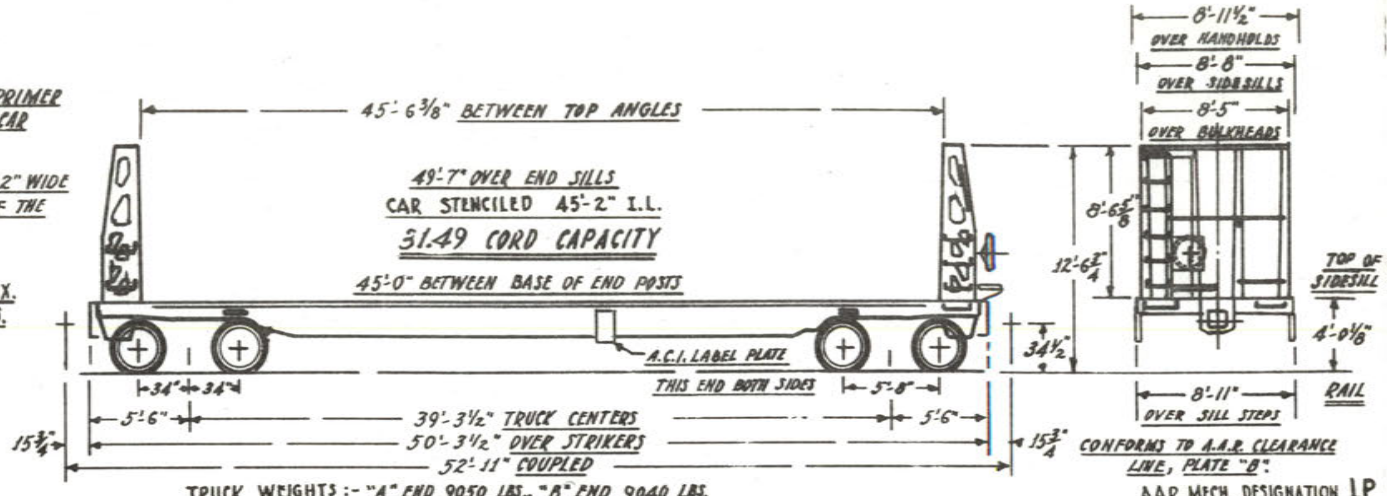
6-16-70 jwb

WHEELS:- A.A.R. TYPE CJ-33, 1-WEAR CAST STEEL, 33" DIA.

PAINTING:- 1 COAT RED ZINC CHROMATE ACRYLIC PRIMER & 2 COATS OF BLACK ACRYLIC FREIGHT CAR PAINT.

STENCILING:- YELLOW STENCIL PAINT, INCLUDING THE 2" WIDE STRIPE ON THE VERTICAL CENTERLINE OF THE BULKHEAD FACE.

NOTE 1:- "BR" & "AL" CORNERS ARE STENCILED "MAX. LADING OVERHANG 14 IN." IN 1½" LETTERS.



TRUCK WEIGHTS:- "A" END 9050 LBS., "B" END 9040 LBS.

GEN. ARRGT. G.S.I. DRWG. Nº 34455, REV.C

A.A.R. MECH. DESIGNATION LP

1	**GENERAL**	
2	CAPACITY (77-TONS)	154,000 LBS.
3	LIGHTWEIGHT SAMPLE CAR Nº 110000	56,100 LBS.
4	LOAD LIMIT	163,900 LBS.
5	MAX. LOAD ON RAILS	220,000 LBS.
6	**BODY**	
7	UNDERFRAME	ONE-PIECE CAST STEEL; G.S.I. DRWG. Nº Z-34457
8	BODY CENTER PLATE	CAST INTEGRAL; MACHINE FINISH BY G.S.I.
9	LUBRICATION	MOLYBDENUM DISULPHIDE IN VARSOL (3%50 BY VOLUME)
10	BODY SIDE BEARINGS	⅜" THICK STEEL WEAR PLATES, FLAT HD. CAP SCREWS; A. STUCKI CO.
11	FLOOR SHEETS, CENTER (2)	⅜" THICK MILD STEEL PLATES; AAR M-116, GRADE "A"
12	FLOOR SHEETS, END (4)	⅜" THICK MILD STEEL PLATES; AAR M-116, GRADE "A"
13	END POSTS, 2 R & 2L (EACH END)	ONE-PIECE CAST STEEL; G.S.I. DRWG. Nº Z-34459
14	END SHEET (BULKHEAD)	¼" THICK COPPER BEARING STEEL PLATE; AAR M-116, GRADE "A"
15	END POST TOP ANGLE (TOP TIE)	6"x 6"x ⅝"x 8'-3" LG.
16	END LADDER STILES	3"x 3"x ⅜" ANGLES
17	HUCK BOLTS	SAFETY APPLIANCES, BRAKE WORK, ETC.~(NOT IN TENSION)
18	ELASTIC STOP NUTS	BRAKE CYLINDER, RESERVOIR & ABD VALVE
19		
20		
21	COUPLER WEAR PLATE	CAST STEEL, 6⅛"x ½"x 10¾"; PITTSBURGH FORGE MD-1264
22	BRAKE STEP	U.S. GYPSUM CO.
23	ROPING STAPLE	G.S.I. DRWG. Nº 34020-2; 4 RIVETS
24	DRAFT KEY	G.S.I. DRWG. Nº 34009-15
25	DRAFT KEY RETAINER	"AZEE" 692-A; ILL. RWY. EQUIP. CO.
26	DRAFT GEAR CARRIER	8-⅞" RIVETS; 12"x ⅝"x 22½"; G.S.I. DRWG. Nº 34010-4
27	BRAKE BADGE PLATE	G.S.I. DRWG. Nº 34013-53
28	BODY BRAKE LEVERS	SCHAEFER EQUIP. CO.
29	DEFECT CARD HOLDER	"CHEEPER"; WESTERN RWY. DEVICES
30	ANGLE COCK HOLDER	½" STEEL PLATE & ⅝" U-BOLT; G.S.I. DESIGN
31	**DRAFT GEAR**	
32	TYPE	300% CARDWELL-WESTINGHOUSE MARK 50; 200% NATIONAL TYPE NC-550
33	COUPLER YOKE	VERTICAL PLANE, HORIZONTAL KEY, GRADE "B" CAST STEEL; CAT. Nº B-Y40
34	COUPLER	CAST STEEL, TYPE "E", 6¼"x 8"x 21½" LG. SHANK; CAT. Nº B-E60B-HT
35	COUPLER RELEASE RIGGING	BOTTOM OPERATED; STANRAY CORP'S DRWG. Nº 1U-17472
36	**BRAKES**	
37	SCHEDULE	WESTINGHOUSE ABD-1032
38	FITTINGS	BUTT WELDED FLANGED FITTINGS
39	TRAINLINE FITTINGS	BUTT WELDED FLANGED FITTINGS
40	BRAKE POWER (LEVER RATIO 6.2 TO 1)	11.0% OF THE GROSS RAIL LOAD AT 50# CYLINDER PRESSURE
41	BRAKE REGULATOR	AUTO.; 250% TYPE DRVZ-USA-DJ, AMER. SAB; 250% MODEL 2000, ELLCON-NATIONAL
42	BELL CRANK	A.A.R. 66
43	HAND BRAKES	A.A.R. VERTICAL WHEEL, NON-SPIN, QUICK RELEASE TYPE;
44		300% AJAX TYPE 5 & 200% KLASING
45	**TRUCKS**	
46	TYPE	BARBER S-2-A, 2½" SPRING TRAVEL, NARROW PEDESTAL TYPE; CLASS T-10-S
47	SIDE BEARINGS	SINGLE ROLLER TYPE; A. STUCKI CO.'S DRWG. Nº 656-C
48	SNUBBER	S-2-A
49	BRAKE SHOES	2" THICK COMPOSITION, A.A.R. STD. PATTERN H-4
50	BRAKE SHOE KEY	SPRING STEEL TYPE; ABEX
51	ROLLER BRG ADAPTERS	6"x 11" NARROW PEDESTAL TYPE; ABEX OR NATIONAL
52	AXLES	6"x 11" ROLLER BEARING, A.A.R. SPEC M-101, D-11; RAISED WHEEL SEATS
53	JOURNAL BEARINGS	6"x 11" ROLLER BEARINGS WITH GREASE FITTINGS; 300% BRENCO
54		& 200% HYATT
55	BRAKE BEAMS	A.A.R. UNIT TYPE Nº 18; 250% CRECO, 250% BUFFALO
56	SPRINGS	2½" TRAVEL; 28 OUTER COILS & 4 INNER COILS & 8 SIDE COILS
57	BOTTOM ROD CONN.	36" BETWEEN INSIDE HOLES; SCHAEFER EQUIP. CO.
58	BRAKE LEVERS	5"x 10" & 7"x 14"; SCHAEFER EQUIP. CO.

FLATS & PULPWOOD

FREIGHT BOOK Nº 3

350 CARS BUILT 1974 BY BETH. STEEL CORP., JOHNSTOWN, PA.
BETH. ORDER Nº 3400-369
SPEC. Nº 3400-369 - FILE Nº 2166.12
AFE Nº P.O. Nº E-97

PULPWOOD - CLASS LP-2

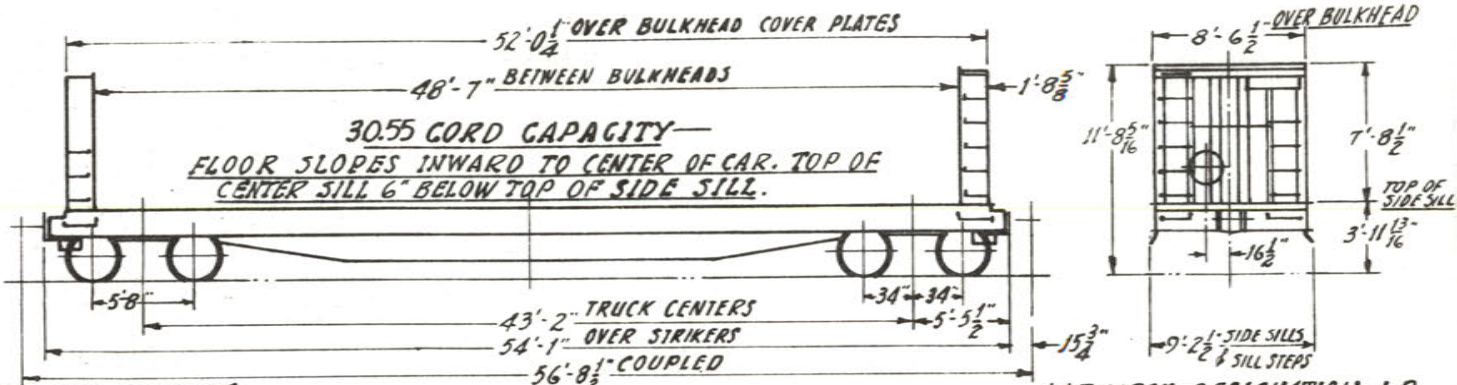
SCL Nos 110500 - 110849

STENCILED 48'-7" I.L.
MAX. LADING OVERHANG - 10"

COMBINED BOLSTER CENTER FILLER & REAR DRAFT LUGS - BUCKEYE DRG. D-12009 - PATT. Nº F-215-A-1.

COMBINED STRIKER & FRONT DRAFT LUGS BUCKEYE DRG. C-11703 - PATT Nº F-216-S.

WHEELS: AAR TYPE S-33, 1-W WROT STEEL - 33" DIA.



BETHLEHEM STEEL CORP. GEN. ARR. DRG. F-67280

AAR MECH. DESIGNATION LP

1.	**GENERAL**		
2.	CAPACITY	(77 TONS)	154000 LBS.
3.	LIGHTWEIGHT	(SAMPLE CAR 110500)	50500 LBS.
4.	LOAD LIMIT		169,500 LBS.
5.	MAX. LOAD ON RAILS		220000 LBS.
6.	**BODY**		
7.	CENTERSILL	BUILT UP FISHBELLY TYPE, WELDED CONSTRUCTION	
8.			
9.	STRIKER		SEE ABOVE
10.	BOLSTER CTR. FILL. & REAR DRAFT LUGS		SEE ABOVE
11.	BODY BOLSTERS	1/2" × 24" COVER PLATES - 3/8" DIAPHRAGMS; RIVETED CONSTR.	
12.	BODY CENTER PLATE	BUCKEYE DRG. CT-7505-SCL PATT. F-319-Y	
13.	BODY SIDE BEARING	BETHLEHEM DRG. A-42907	
14.	END SILLS		12" [@ 35 LBS.
15.			
16.	END BULKHEADS	WELDED CONSTRUCTION	
17.			
18.	SIDE SILLS		18" [@ 42.7 LBS.
19.	CROSSBEARERS	3 PER CAR 5/16 WEB PLATES - 3/8" COVER PLATES	
20.	CROSSTIES	16 PER CAR (8 PER SIDE)	7" [@ 12.25 LBS.
21.	FLOOR		1/4" PLATE
22.	BRAKE STEP	INTEGRAL PART OF CAR - NON-SKID PAINT APPLIED	
23.	ROPING STAPLE		1 1/2" ROUND
24.	DRAFT KEY	AAR STANDARD - 6" × 1 1/2"	
25.	DRAFT KEY RETAINER	ILLINOIS RY. EQ. CO.	
26.	DRAFT GEAR CARRIER		5/8" × 12" PLATE
27.	BRAKE BADGE PLATE	STAINLESS STEEL .032 THK.	
28.	BODY BRAKE LEVERS	(16" × 32" & 8" × 24")	AISI C-1045 DROP FORGED
29.	DEFECT CARD HOLDER	WESTERN RY. DEVICES CO.	

30.	**DRAFT GEAR**		
31.	TYPE	CARDWELL MARK 50 (M-901-E)	
32.	COUPLER RELEASE RIGGING	DRG. CU-24585 STANRAY CO.	
33.	COUPLER YOKE	VERTICAL PLANE, HORIZ. KEY, CAST STEEL GR. C AAR Y-40-AHT	
34.	COUPLER	CAST STEEL AAR TYPE "E" 6 1/4" × 8" SHANK CAT. Nº E-60-CHT	
35.	COUPLER CARRIER WEAR PLATE	DROP FORGED STEEL	SCHAEFER
36.	**BRAKES**		
37.	SCHEDULE	ABD-1012	WABCO
38.			
39.	TRAINLINE FITTINGS		WELDED TYPE
40.	NET BRAKE POWER	(EFF. 71.2%), LT. WT. 31.9%, G.R.L. 7.3% @ 50 LBS. BR. CYL. PRESS.	
41.	BRAKE REGULATOR	ELCON-NATIONAL MODEL 2000-DRG. BR-2677-DJ	
42.	BELL CRANK	STD. AAR SHEAVE WHEEL 6 1/8" I.D.	MINER
43.	HAND BRAKES	KLASING Nº 1500 -	MINER Nº 6600
44.			
45.	**TRUCKS**		CLASS T-10-S-B
46.	TYPE	BARBER S-2-A 2 1/2" SPRING TRAVEL-NARROW PEDESTAL TYPE	
47.	SIDE BEARINGS	SINGLE ROLLER STUCKI 656-C	
48.	SNUBBER	8 PER CAR	BARBER S-2-A
49.	BRAKE SHOES		AAR H-4
50.	BRAKE SHOE KEY	"LOCKEY" SPRING TYPE	ABEX
51.	ROLLER BRG. ADAPTERS	SCL STD.	DAYTON & ABEX 16410
52.	AXLES	6" × 11" ROLLER BEARING	AAR D-11-1971
53.	JOURNAL BEARINGS	6" × 11"	HYATT & TIMKEN
54.			
55.	BRAKE BEAMS		"UNIT" AAR-18
56.	SPRINGS	AAR D-3 28 OUTER ~ 4 INNER	
57.	BOTTOM ROD CONN.	(37" BETWEEN INNER HOLES)	SCHAEFER 1201-370
58.	BRAKE LEVERS	SCHAEFER 7 1/2" × 15", DRG. 1220; 5" × 10", DRG. 1049	

FLATS & PULPWOOD

FREIGHT BOOK Nº 3