

CONSTRUCTION

PAINT: FOR ENTIRE CAR; MIXTURE OF EQUAL PARTS OF,
FLOQUIL TUSCAN & BOXCAR RED.

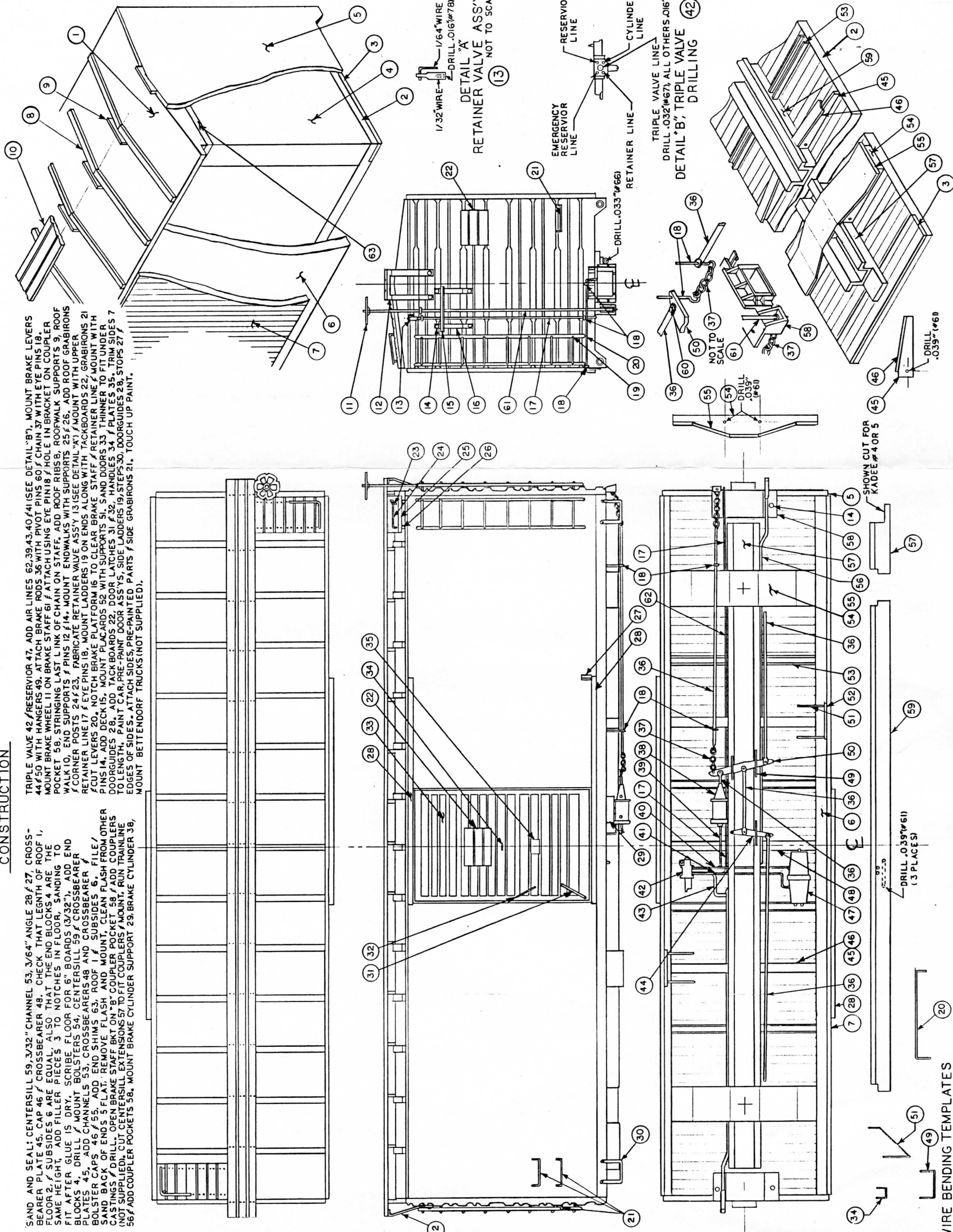
ADHESIVES

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WOOD TO WOOD: WHITE OR YELLOW GLUE (EHLMERS)
 WOOD TO METAL(OR PLASTIC): CEMENT(AMBRID/DU CO)
 METAL TO METAL: ACC(EASTMAN 910 / HOT STUFF)

TRIPLE VALVE 42 / RESERVOIR 47, ADD AIR LINES 62,39,43,40 / 41 (SEE DETAIL "B"), MOUNT BRAKE LEVERS 44 / 50 WITH HANGERS 49, ATTACH BRAKE RODS 36 WITH PIVOT PINS 60 / F CHAIN 37 WITH EYE PINS 18, MOUNT BRAKE WHEEL 11 ON BRAKE STAFF 61 / ATTACH USING EYE PIN 18 / HOLE IN BRACKET ON COUPLER POCKET 58, STRINGING LAST LINK OF CHAIN ON STAFF, ADD ROOF RIBS 8, ROOFWALK SUPPORTS 9, ROOFWALK 10, END SUPPORTS / PINS 12 / 14, MOUNT ENDWALKS WITH SUPPORTS 25 / 26, ADD ROOF GRABIRONS / CORNER POSTS 24 / 23, FABRICATE RETAINER VALVE ASS'Y 13 (SEE DETAIL "A") / MOUNT WITH UPPER RETAINER LINE 17 / EYE PINS 18, MOUNT LADDERS 19 ON ENDS ALONG WITH TACKBOARDS 22, GRABIRONS 21 / CUT LEVERS 20, NOTCH BRAKE PLATFORM 16 TO CLEAR BRAKE STAFF / RETAINER LINE / MOUNT WITH PINS 14, ADD DECK 15, MOUNT PLACARDS 52 WITH SUPPORTS 31 / 32, SAND DOORS 33 / THINNER TO FIT UNDER DOORGUIDES 28, ADD TACKBOARDS 22, DOOR LATCHES 31 / 32, HANDLES 34 / PLATES 35, TRIM SIDES 7 TO LENGTH, PAINT CAR, PRE-PAINT DOOR ASS'YS, SIDE LADDERS 19 / STEPS 30, DOORGUIDES 28, STOPS 27 / EDGES OF SIDES, ATTACH SIDES, PRE-PAINTED PARTS / SIDE GRABIRONS 21, TOUCH UP PAINT, MOUNT BETTENDORF TRUCKS (NOT SUPPLIED).

SAND AND SEAL: CENTERSILL 59, 3/32" CHANNEL 53, 3/54" ANGLE 28, 27, CROSS-BEARER PLATE 45, CAP 46, CROSSBEARER 48. CHECK THAT LENGTH OF ROOF 1, FLOOR 2, SUBSIDES 6 ARE EQUAL, ALSO THAT THE END BLOCKS 4 ARE THE SAME HEIGHT, ADD FILLER PIECES 3 TO NOTCHES IN FLOOR, SANDING TO FIT AFTER. GLUE IS DRY. SCRIBE FLOOR FOR 6" BOARDS (3/32"). ADD END BLOCKS 4, DRILL 1/4" MOUNT BOLSTERS 54, CENTERSILL 59, CROSSBEARER PLATES 45, ADD CHANNELS 53, CROSSBEARERS 48 AND CROSSBEARER BOLSTER CAPS 46, 55, ADD END SHIMS 63, ROOF 1, SUBSIDES 6, FILE/ SAND BACK OF ENDS 5 FLAT. REMOVE FLASH AND MOUNT, CLEAN FLASH FROM OTHER CASTINGS, DRILL, OPEN BRAKE STAFF BKT ON "B" COUPLER POCKET 58, ADD COUPLERS (NOT SUPPLIED). CUT CENTERSILL EXTENSIONS 57 TO FIT COUPLERS, MOUNT, RUN TRAINLINE 56, ADD COUPLER POCKETS 58, MOUNT BRAKE CYLINDER SUPPORT 29, BRAKE CYLINDER 38,



63	2	END SHIM, 1/16"x3/16" x 1-17/32" LG. LIGHT GREEN
62	1	RETAINER VALVE LINE, LOWER, WIRE 1/64"
61	1	BRAKE STAFF, WIRE 1/32" x 2-23/32" LG.
60	6	BRAKE ROD PIVOT PIN, WIRE 1/64"
59	1	CENTERSILL, 5-1/4" LG.
58	2	COUPLER POCKET
57	2	CENTERSILL EXTENSION
56	-	TRAINLINE, WIRE 1/32" CUT TO SUIT
55	2	BOLSTER CAP, 1/32" x 3/8" x 1-9/16" LG., BLUE
54	2	BOLSTER
53	8	CHANNEL, 3/32" x 5/8" LG., BLUE
52	2	PLACARD, 1/32" x 3/16" x 3/8" LG., BLUE
51	4	PLACARD SUPPORT, WIRE 1/64"
50	1	BRAKE LEVER, LARGE, 1/32" x 3/8" x 11/16" LG., BLUE
49	3	BRAKE HANGER, WIRE 1/64"
48	2	CROSSBEARER, 1/32" x 3/32" x 5/8" LG., BLUE
47	1	AIR RESERVOIR
46	4	CROSSBEARER CAP, 1/32" x 3/32" x 19/32" LG., BLUE
45	4	CROSSBEARER PLATE, 1/16" x 3/8" x 5/8" LG., RED
44	1	BRAKE LEVER, SMALL, 1/32" x 3/8" x 1/2" LG., BLUE
43	1	TRIPLE VALVE LINE, WIRE 1/32"
42	1	TRIPLE VALVE
41	1	EMERGENCY RESERVOIR LINE, WIRE 1/64"
40	1	RESERVOIR LINE, WIRE 1/64"
39	1	BRAKE CYLINDER LINE, WIRE 1/64"
38	1	BRAKE CYLINDER
37	2	CHAIN, 3/8" LG.
36	-	BRAKE ROD, WIRE 1/32"-CUT TO SUIT
35	2	DOOR PLATE, 1/32" x 3/32" x 5/32" LG., BLUE
34	2	DOOR HANDLE, WIRE 1/64"
33	2	DOOR
32	2	DOOR LATCH, UPPER, WIRE 1/64"
31	2	DOOR LATCH, LOWER, WIRE 1/32"
30	4	STEP
29	1	BRAKE CYLINDER SUPPORT, 5/32" x 3/16" x 5/16" LG.
28	4	DOOR GUIDE, 3/64" ANGLE x 2-7/16" LG., YELLOW
27	2	DOOR STOP, 3/64" ANGLE x 1/8" LG., YELLOW
26	4	ENDWALK SUPPORT, 1/32" SQ. x 3/4" LG., RED
25	2	ENDWALK
24	2	ROOF GRABIRON, WIRE, 1/64"
23	2	CORNER POST, WIRE, 1/64"
22	4	TACKBOARD, 1/16" SCRIBED x 1/32" THK
21	6	GRABIRON
20	2	UNCOUPLING (CUT) LEVER, WIRE 1/64"
19	4	LADDER
18	12	EYE PIN
17	1	RETAINER VALVE LINE, UPPER, WIRE, 1/64"
16	1	BRAKE PLATFORM
15	1	BRAKE PLATFORM DECK, 1/16" SCRIBED x 1/32" THK
14	12	PIN, 1/2" LG.
13	1	BRAKE RETAINER VALVE ASSY, SEE DETAIL "A"
12	2	ROOFWALK END SUPPORT
11	1	BRAKE WHEEL
10	1	ROOFWALK, 7-7/8"
9	15	ROOFWALK SUPPORT, 1/16" x 1/32" LG., GN.
8	26	ROOF RIB, 1/16" x 1/32" x 3/32", LT. GN.
7	2	SIDE GN.
6	2	SUBSIDE, 7-1/2" x 2-1/16" x 3/32"
5	2	END, IMPROVED DREADNOUGHT
4	2	END BLOCK x 1-11/16"
3	2	FILLER PIECE, 1/4" SCRIBED x 1/16" THK, SAND TO FIT
2	1	FREIGHT FLOOR x 7-1/2" W/NOTCHES
1	1	OVERHANGING ROOF x 7-1/2"
ITEM	QTY	DESCRIPTION

HOQUAT HOBBIES		DUNELLEN, N.J. 08812	
RO. BOX 253			
TITLE: GREAT NORTHERN, DOUBLE SHEATHED, STEEL ENDED, BOX CAR			
DRAWN <i>Kent L. Lingen</i>		SCALE: 3/16" = 1'	
BY:			
DATE: JULY, 1984		NO. HH-2	