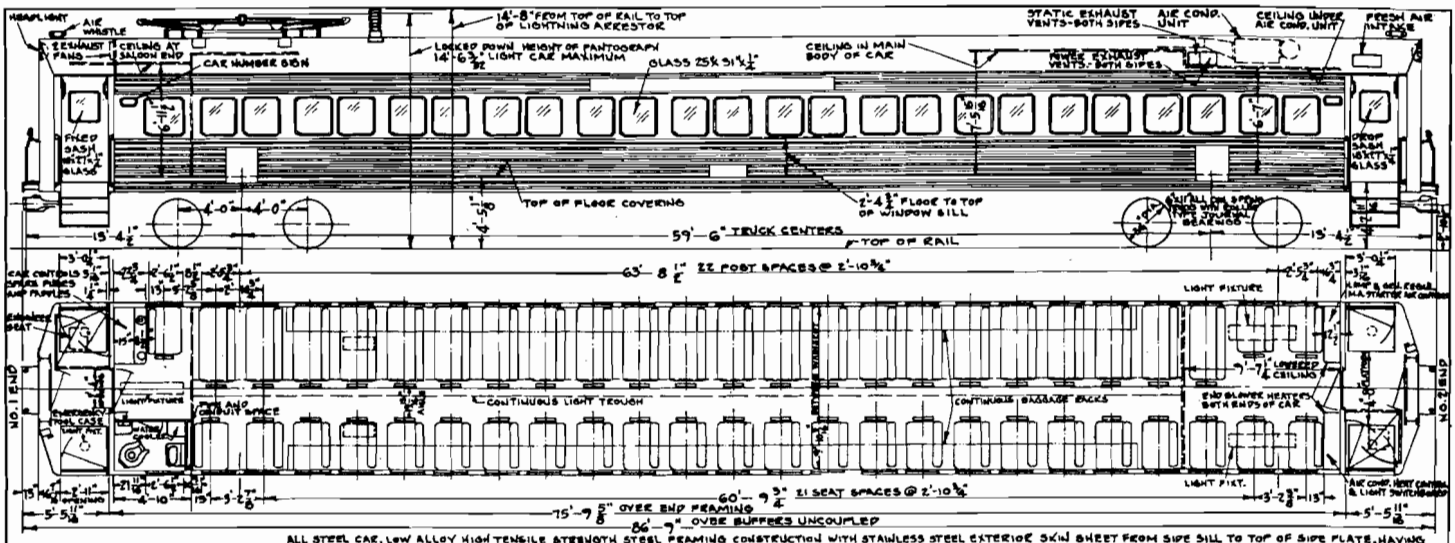


ALL STEEL CAR, LOW ALLOY HIGH TENSILE STRENGTH STEEL FRAMING CONSTRUCTION WITH STAINLESS STEEL EXTERIOR SKIN SHEET FROM SIDE SILL TO TOP OF SIDE PLATE, HAVING BLUNT ENDS. BUILT NEW BY P.S.C.M.CO AT WORCESTER, MASS. IN 1954.

EXTERIOR OF CAR:- WINDOW PANEL BETWEEN BODY POSTS, AT SILL AND BELT STEEL PANELS. ABOVE AND BELOW WINDOWS, STAINLESS STEEL FLUTED MOULDING. ROOF PAINTED BLACK.

VESTIBULE:- ENDS AND AISLE AROUND VEST. SIDE DOOR PAINTED NEW HAVEN #9.481 GREEN. SIDE DOORS STAINLESS STEEL THRU-OUT.

AVERAGE WEIGHT OF CAR BODY WITHOUT PASSENGERS 104,900 LBS. WEIGHT OF EACH TRUCK - 60,000 LBS.

POWER PROPULSION EQUIPMENT:- W.E.CO'S.- IGNITRON TYPE ELECTRIDE EQUIPMENT CONVERTING 11,000 VOLT 25 CYCLE AC TO 600 VOLT DC ALONGSIDE FOR AUTOMATIC ACCELERATION. EACH TRUCK IS EQUIPPED WITH 2-100 HORSEPOWER TRANSOM MOUNTED W.E.CO'S. STRAIGHT DC TRACTION MOTORS CONNECTED TO THE DRIVING AXLES BY A FLEXIBLE COUPLING DRIVE AND TWO SPEED GEARING. SINGLE ARM PANTOGRAPH AT SALOON END OF CAR ONLY WITH 2 SHOE RAIL CURRENT COLLECTORS AND ROOF DISCONNECT.

CAR EQUIPPED WITH S.C.M.&L.CO'S. ELECTRO-MECHANICAL 3 STEP CAM, SPLIT EVAP. AIR CONDR. SYSTEM, PRY CONDENSER, METAL FILTERS, DUCT TYPE AIR DELIVERY, BLOWER FAN ARRANGED TO PROVIDE FORCED VENTILATION IN EMERGENCY. MINNEAPOLIS-HONEYWELL SELECTIVE TYPE CONTROL FOR COOLING AND HEATING. ELECTRICAL POWER FOR EVAPORATOR BLOWER SUPPLIED BY W.E.CO'S. 5 HP MOTOR GENERATOR SET AND MOTOR GENERATOR AND VALVE CONTROLS, CONDENSER AND EVAPORATOR COILS OPERATED FROM RECTIFIER OF DC 3 HP RAIL.

LIGHTING:- S.C.M.&L.CO'S. CONTINUOUS CENTERLINE FLUORESCENT FIXTURE IN PASSENGER COMPARTMENT. FLUORESCENT FIXTURES IN PASSAGEWAY & SALOON. S.C.M.&L.CO'S. INCANDESCENT FIXTURES IN VESTIBULES. FLUORESCENT LIGHTING SUPPLIED BY S.C.M.&L.CO'S. 2 K.W. MOTOR ALTERNATOR, WITH CURRENT SUPPLIED FROM BATTERY AND W.E.CO'S. M-G SET. DOUBLE INDICATION LOVELL-PEDRICK BUILT-IN MARKER LAMPS, PYLE-NATL. CO'S. 14" 250 W. FEEDFOCUSSED BUILT-IN HEADLIGHTS.

TRUCKS:- G.S.C.CO'S. 6'-11" 4-WHEEL, INSIDE SWING HANGER TYPE ALL COIL SPRING SUSPENSION TRUCKS WITH S.K.F. HEAVY DUTY SPHERICAL ROLLER BEARINGS AND MONCO HYDRAULIC SHOCK ABSORBERS. SIDE BEARINGS INSULATED WITH FABRIKA PADS AND EQUIPPED WITH TRUCK MOUNTED 18" DIA. CYLINDER ASAY SIMPLEX TYPE BRAKE.

SEATS:- HEYWOOD-WAKEFIELD CO'S. WALK-OVER TYPE 3 AND 2 PASS. SEATS, SPRING CONSTRUCTED BACK AND SEAT CUSHIONS. 1 1/4 FOAM RUBBER TOPPER ON 3 SEAT.

FRAMES:- LUDLUM STEEL CO'S. FRAMES AND UPHOLSTERY IN COGDELL PASS. CO.-LUSE MOHAIR PLUSH TREATMENT NO. 1915 IN NEW HAVEN STANDARD.

FLOOR COVERING:- PAGE CO.-NO. 8 P. GOODRICH CO'S. 9" SQ. NO. 8-501 BLACK MOTTLED RUBBER TILE AND NO. 3-525 TUDOR GRAY MOTTLED RUBBER TILE LAID ALTERNATELY TO FORM CHECKERBOARD PATT. TERRAZZO COMP. FLOOR IN SALOON.

WINDOWS:- HUNTER CO'S. PIVOT ALUMINUM BREATHER TYPE SASH WITH TOOLED STAINLESS GLASS OUTSIDE, LAMINATED SAFETY PLATE GLASS INSIDE. SALOON - LAMINATED SAFETY PLATE GLASS INSIDE, LAMINATED SAFETY PLISH GLASS OUTSIDE.

HEATING SYSTEM:- CONSOLIDATED CO'S. ELECTRIC SIDE WALL HEATERS, END DOOR BLOWER HEATERS AND OVERHEAD HEATER - SEPERATE WALL THERMOSTAT IN EACH COMPARTMENT AND VESTIBULE.

AIR BRAKES:- W.A.B.CO'S. HIGH SPEED CONTROL ELECTRO-MECHANICAL BRAKES. AIR SUPPLIED BY 600 V. D.C. MOTOR DRIVEN AIR COMPRESSOR. W.A.B.CO'S. TEX. MTR. PNEUMATIC AUTOMATIC SL. APD. PEACOCK POWER HANDBRAKE LEVER TYPE IN EACH VESTIBULE.

INSULATION:- TUFLEX, TEPEA, STOWFELD, FLOR & TEP STRIP, TAPE AND PIPE TO SUIT OF WHERE THICK BELOW MINIMUM 1/8" THICK.

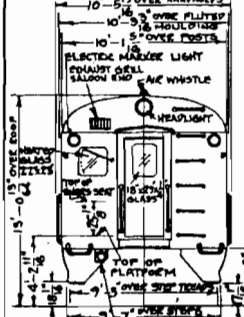
BATTERIES:- 32 CELLS LEAD-ACID TYPE - 218 A.H. AT 8 HOUR RATE IN 1,250 SP. GR. ELECTROLYTE.

HOPPER - DUNBAR NO. G.W. EXT. DOUBLE FAN FLUSH TYPE. GRAVITY FEED SYSTEM SUPPLIES COLD RUNNING WATER TO TOILET, LAVATORY AND DRINKING FOUNTAIN. 4 GALLON CAPACITY.

DRAFT GEAR:- NATIONAL MALLEABLE & STEEL CAST. CO'S. RUBBER DRAFT GEAR TYPE M-F-252. CAST STEEL ROTARY OPERATED TIGHT LOCK COUPLER WITH CAST STEEL YOKE. NO BUFFING GEARS USED.

CARS HAVE ANODIZED ALL ALUMINUM BAGGAGE RACKS OF NEW MODERN DESIGN. CORDOBAS WINDOW CURTAINS. INSULATED TEAP DOORS, STATIONARY STAINLESS STEEL STEPS WITH SAFETY TREADS.

ELECTRO-MECHANICAL WATER COOLER BY WEST. ELEC. CO. COOLING CHAMBER CAPACITY = 9 PINTS, COOLING RATE - 4 GALLONS PER MINUTE.



REV. A - 8/23/54 W.H.

N. Y., N. H. & H. R. R.

NEW HAVEN — FEB. 26, 1954

DIAGRAM

120 PASSENGER MULTIPLE UNIT

AC - DC MOTOR CARS

4400 - 4488

CORRECT — W.F. Snowden, ASST. M.E.

A

25787

APPROVED — A. L. Goebel, M.E.