



California Zephyr Cars

and Zephyrettes

WESTERN PACIFIC RAILROAD COMPANY

MECHANICAL DEPARTMENT

EQUIPMENT DIAGRAM

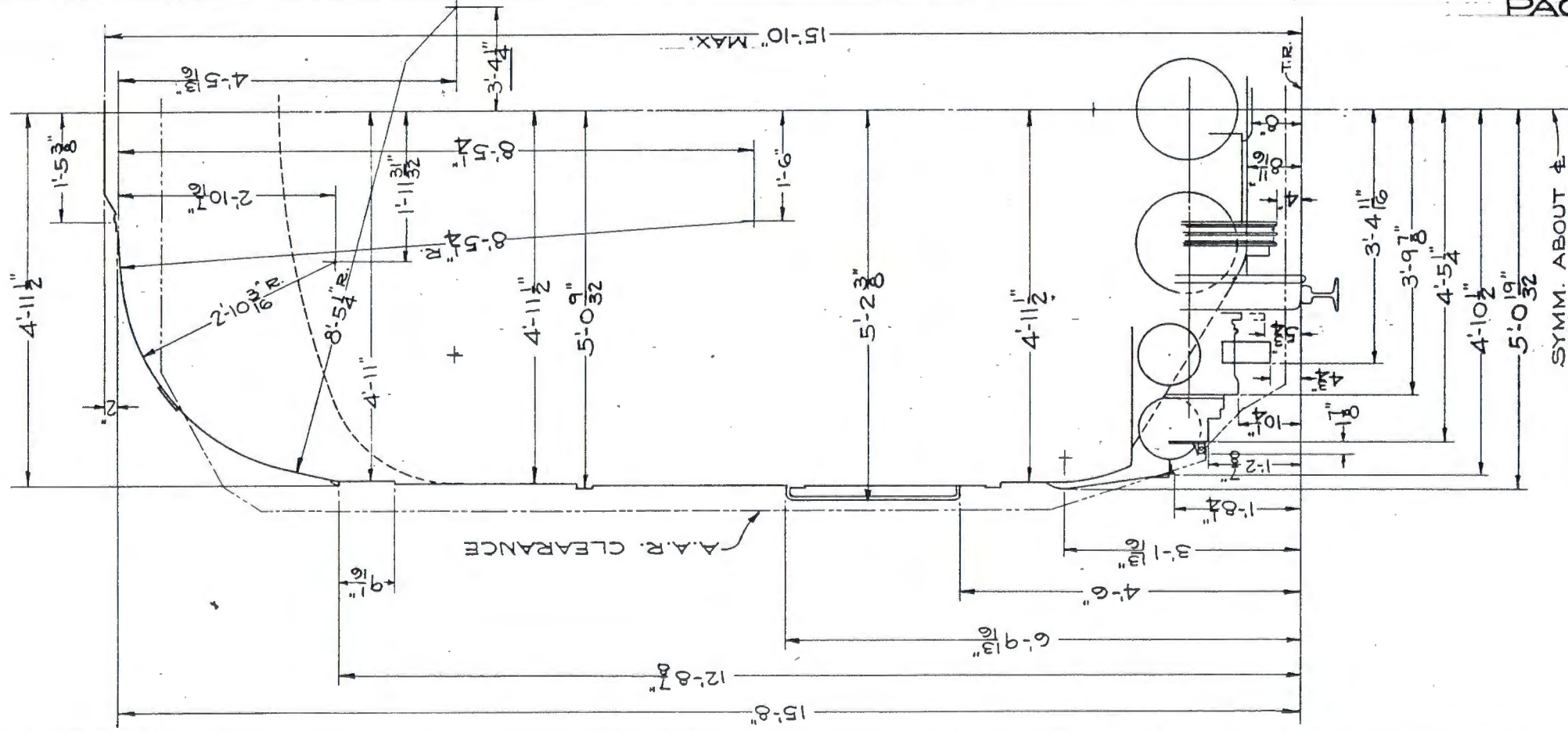
BOOK NO. _____

ISSUED TO _____

RECORD OF REVISIONS

THIS BOOK IS CORRECTED TO LAST DATE SHOWN

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PAGE NO. 1

COMPOSITE CLEARANCE DIAGRAM
OF ALL CALIFORNIA ZEPHYR CARS

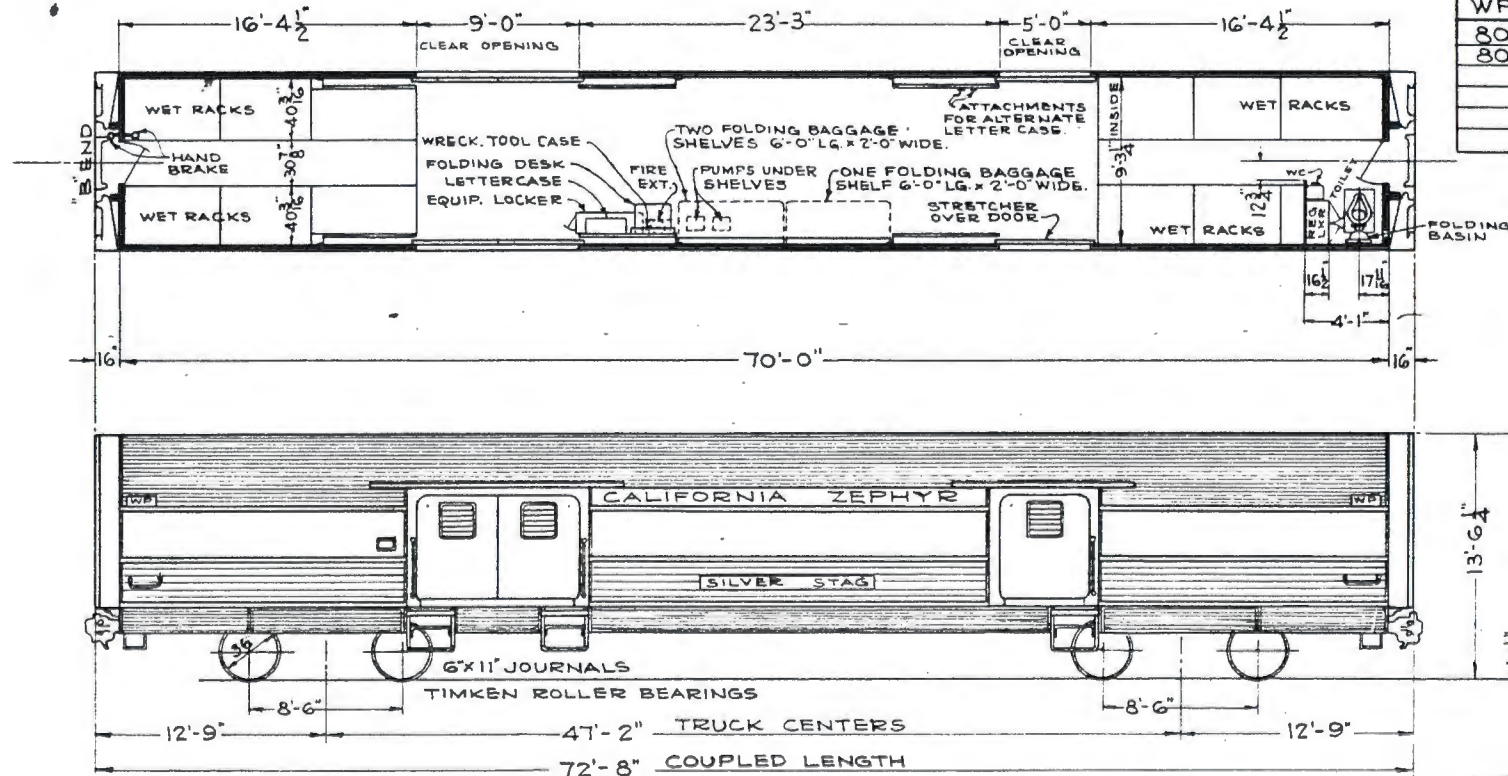
LIGHT - READY TO RUN

CAR NOS. 801-802

C-Z BAGGAGE CAR

PAGE NO. 2

CAR NOS. & OWNER				NAME
WP	D&RGW	CB	Q	
801				SILVER BEAVER
802				" STAG
	1100			" ANTELOPE
		903		" BEAR
		904		" BUFFALO
		905		" COYOTE



SEE EQUIPMENT DATA ON PAGE

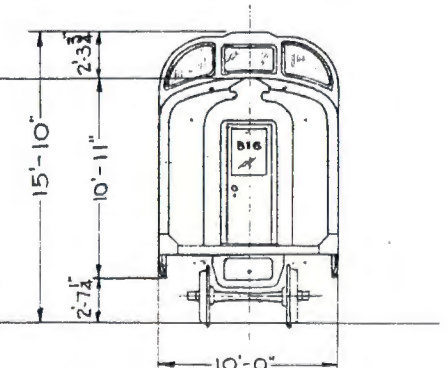
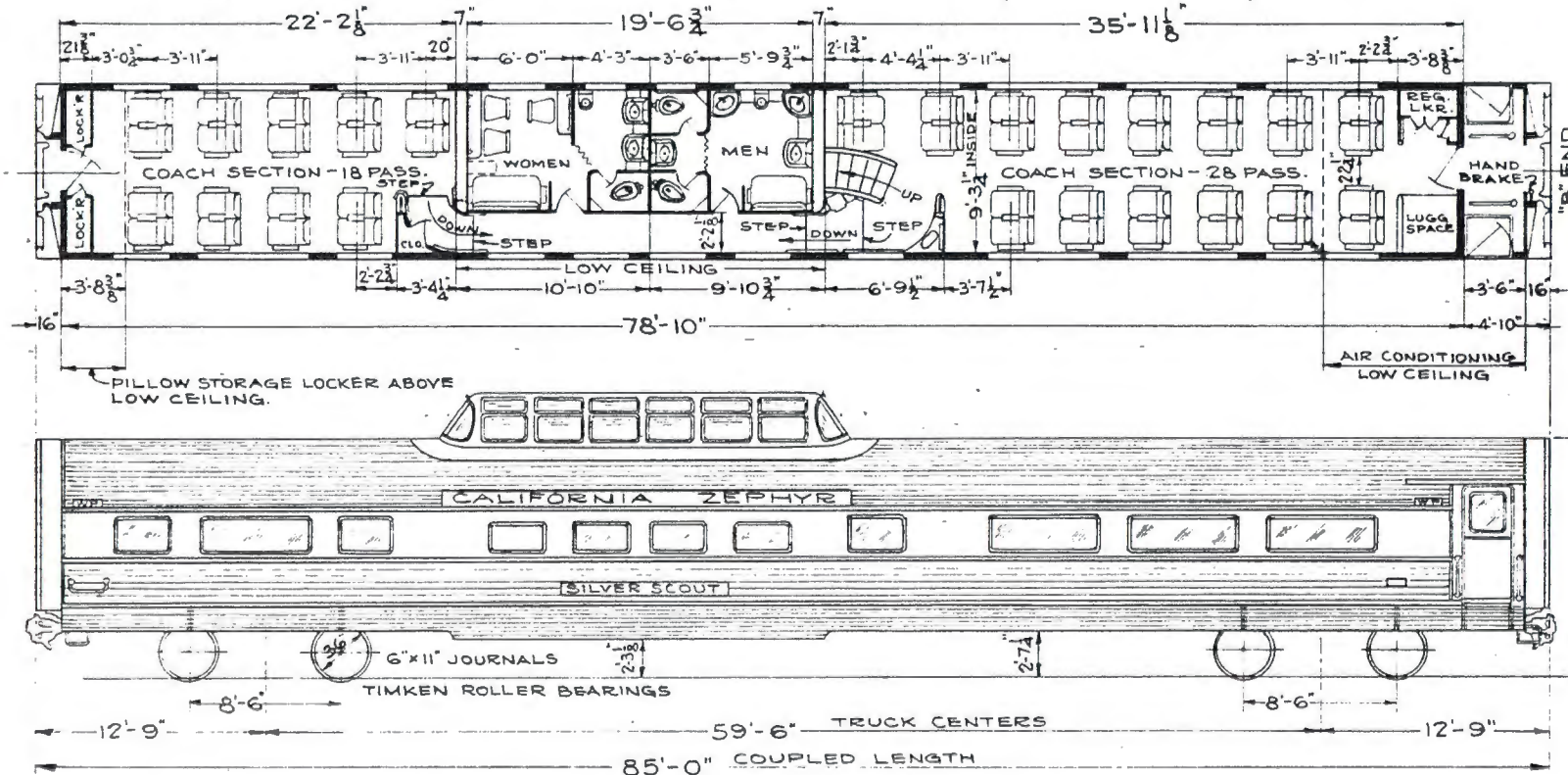
WEIGHT BODY 84850
 WEIGHT TRUCKS 40260
 TOTAL 125110

CAR NOS. 811-812
815-817

C-Z VISTA-DOME COACHES 70 PASSENGER (FULL PASS.)

PAGE NO. 3

CAR NOS. & OWNER				NAME
WP	D&RGW	CB	EQ	
811				SILVER DOLLAR
812				" FEATHER
815				" SCHOONER
816				" SCOUT
817				" THISTLE
	1105			" BRONCO
	1108			" PONY
		4716		" BRIDLE
		4717		" LODGE
		4718		" LARIAT
		4721		" SADDLE
		4722		" STIRRUP



SEE VISTA-DOME PLAN ON PAGE 10
SEE EQUIPMENT DATA ON PAGE

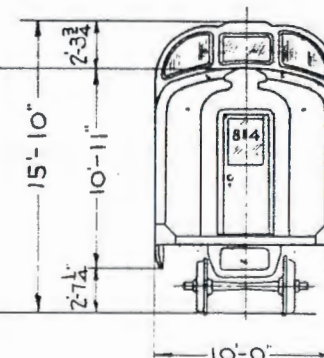
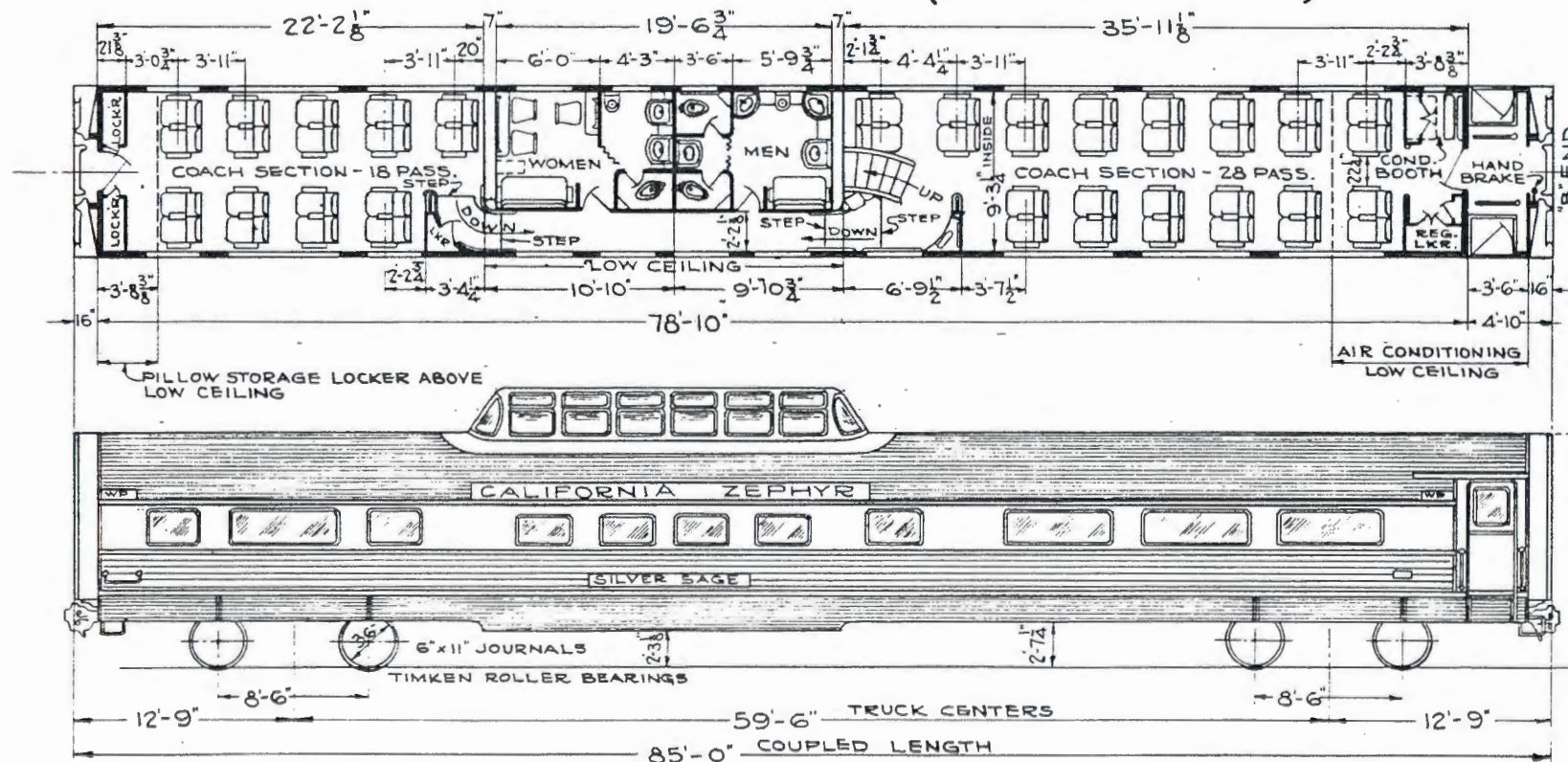
WEIGHT BODY 113650
WEIGHT TRUCKS 40550
TOTAL 154200

CAR NOS. 813-814

C-Z VISTA-DOME COACHES 70 PASSENGER (CONDUCTOR'S SPACE)

PAGE NO. 4

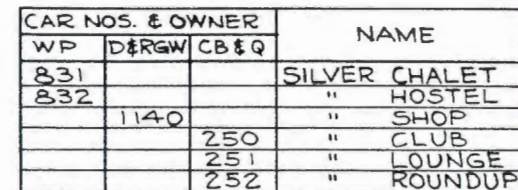
CAR NOS. & OWNER				NAME
WP	D&RGW	CB	EQ	
813				SILVER PALACE
814				" SAGE
	1106			" COLT
	1107			" MUSTANG
		4719		" RANCH
		4720		" RIFLE



SEE VISTA-DOME PLAN ON PAGE 10
SEE EQUIPMENT DATA ON PAGE

WEIGHT BODY 113690
WEIGHT TRUCKS 40550
TOTAL 154240

PAGE NO. 5



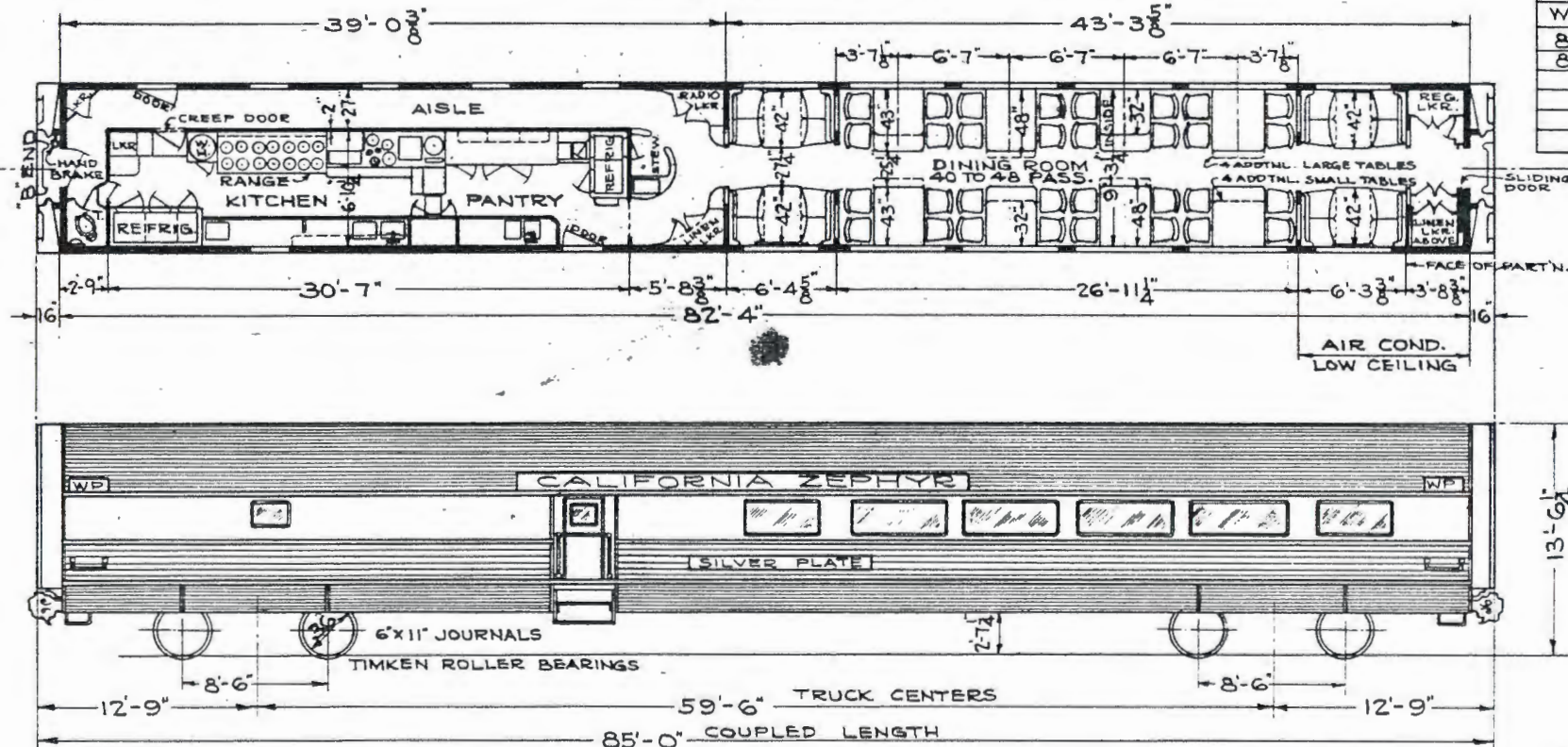
WEIGHT BODY	122810
WEIGHT TRUCKS	40650
<u>TOTAL</u>	<u>163460</u>

CAR NOS. 841-842

C-Z DINING CAR
40 TO 48 PASSENGERS

PAGE NO. 6

CAR NOS. & OWNER				NAME
WP	D&RGW	CB&Q		
841				SILVER PLATE
842				" PLATTER
	1115			" BANQUET
		193		" CAFE
		194		" DINER
		195		" RESTAURANT



SEE EQUIPMENT DATA ON PAGE

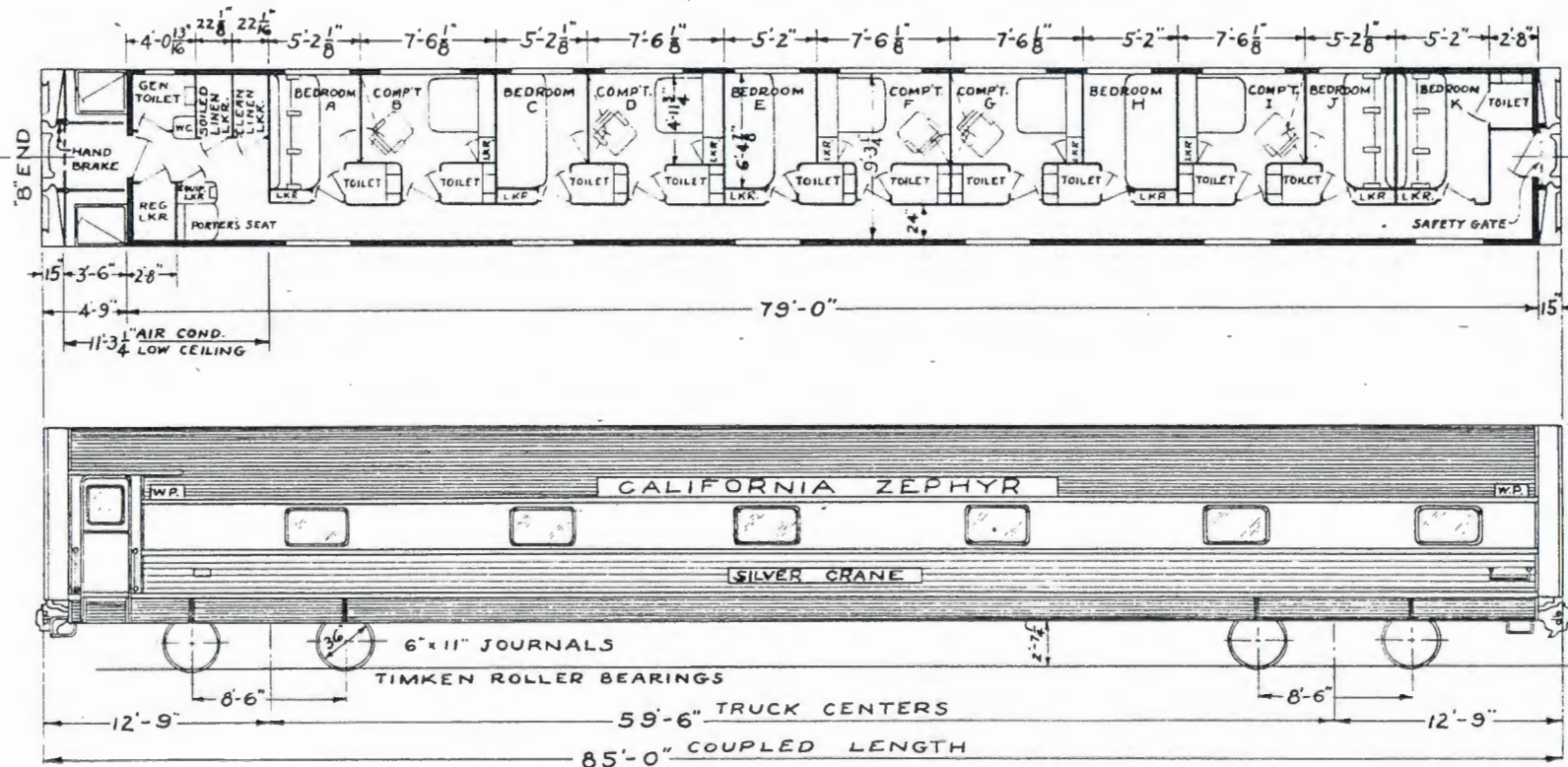
WEIGHT BODY 117470
 WEIGHT TRUCKS 41200
 TOTAL 158670

CAR NOS. 851-852

C-Z BEDROOM-COMPARTMENT CAR
22 PASSENGER (6 BEDROOM-5 COMPARTMENT)

PAGE NO. 6-A

CAR NOS. & OWNER			NAME
W.P.	D&RGW	CB&Q	
851			SILVER CRANE
852			SILVER SWALLOW
	1135		SILVER GULL
		450	SILVER DOVE
		451	SILVER QUAIL
		452	SILVER THRUSH

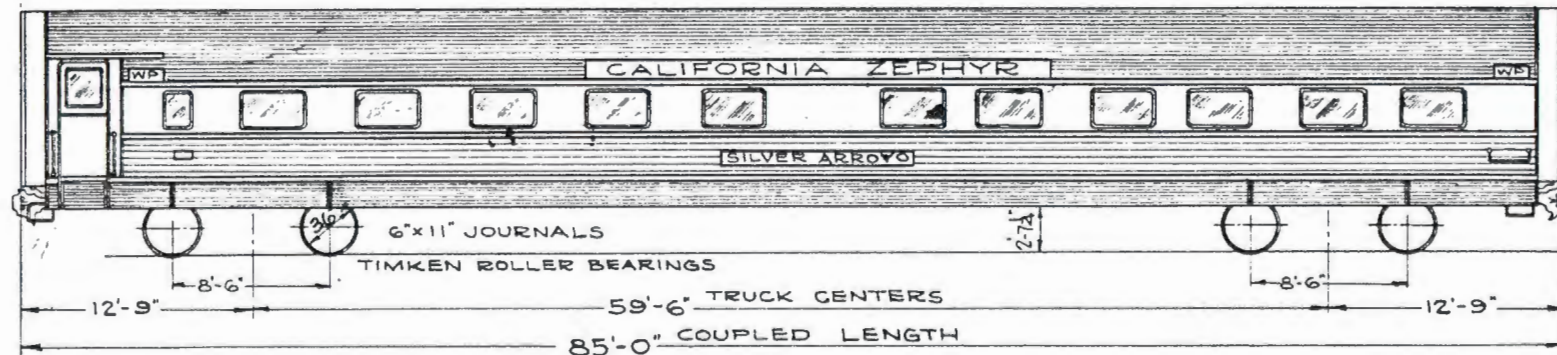
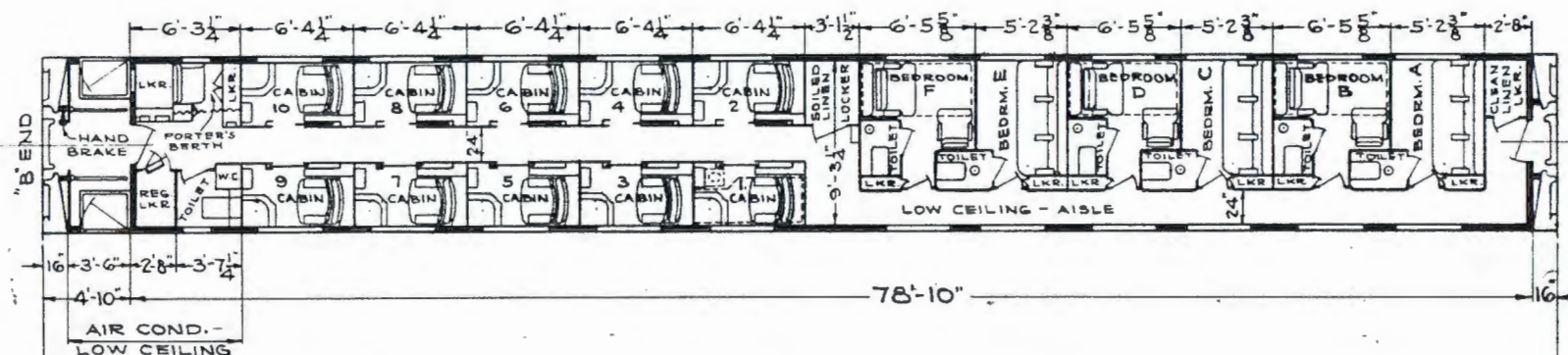


WEIGHT BODY 104,200
WEIGHT TRUCKS 40,500
TOTAL 144,700 LBS.

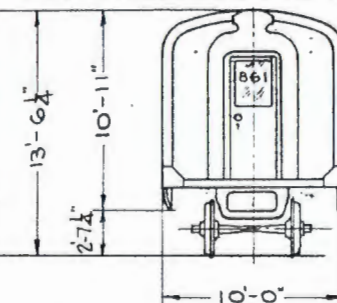
CAR NOS. 861-867

C-Z BEDROOM-CABIN CAR 22 PASSENGER (6 BEDROOM-10 CABIN)

PAGE NO. 7



CAR NOS. & OWNER		NAME
WP	D&RGWICB&Q	
861		SILVER ARROYO
862		SILVER CANYON
863		SILVER MOUNTAIN
864		SILVER PALISADE
865		SILVER RANGE
866		SILVER BAY
867		SILVER SURF
	1130	SILVER PASS
	1131	SILVER SUMMIT
	1132	SILVER GORGE
	1133	SILVER CREEK
	1134	SILVER GLACIER
	423	SILVER POINT
	424	SILVER SHORE
	425	SILVER BUTTE
	426	SILVER CLIFF
	427	SILVER FALLS
	428	SILVER VALLEY
8449 PRR OWNED		SILVER RAPIDS

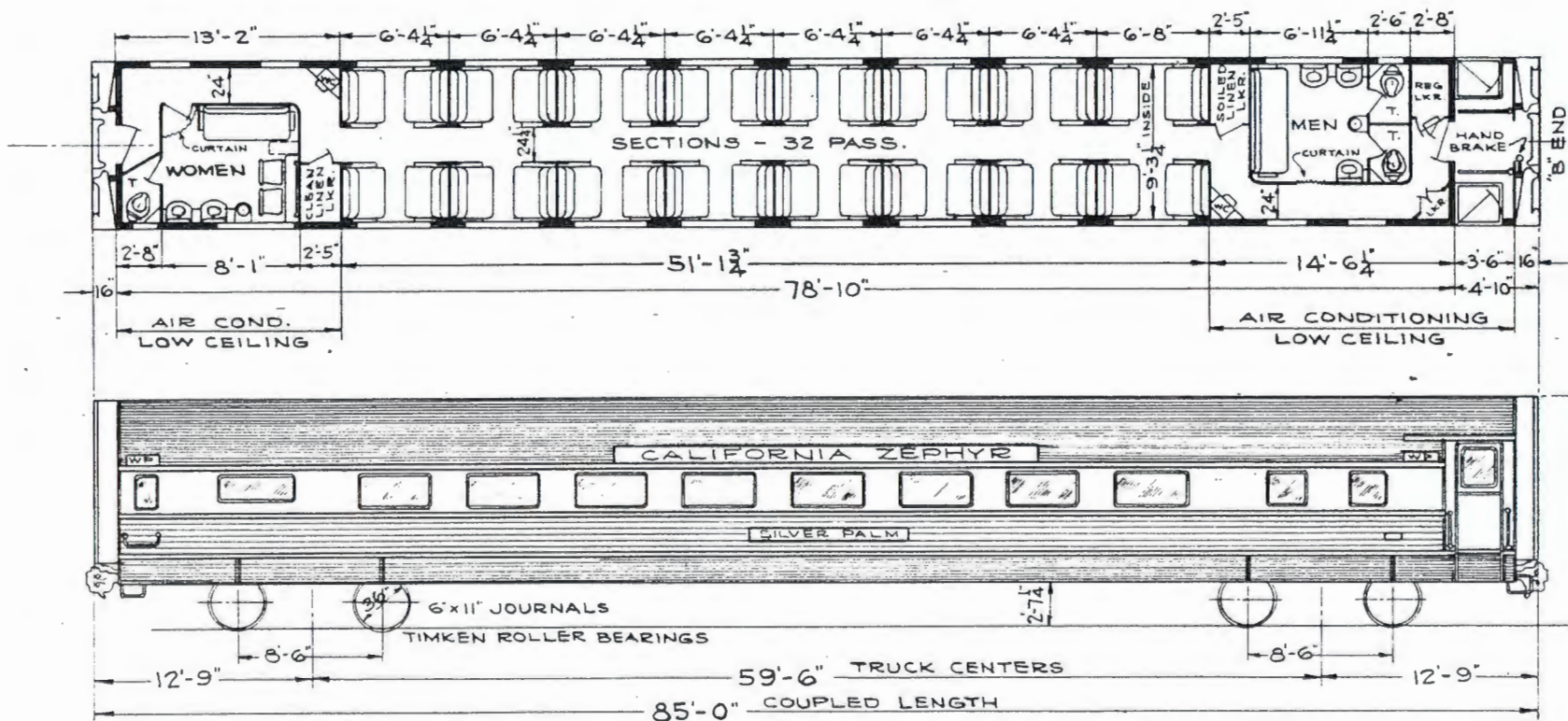


WEIGHT BODY 108560
WEIGHT TRUCKS 40840
TOTAL 149400

SEE EQUIPMENT DATA ON PAGE

G-Z OPEN SECTION SLEEPER
32 PASSENGER

CAR NOS. & OWNER			NAME
WP	D&RGW	CB&Q	
871			SILVER PALM
872			" POPLAR
	1120		" ASPEN
	1121		" PINE
		400	" MAPLE
		401	" LARCH

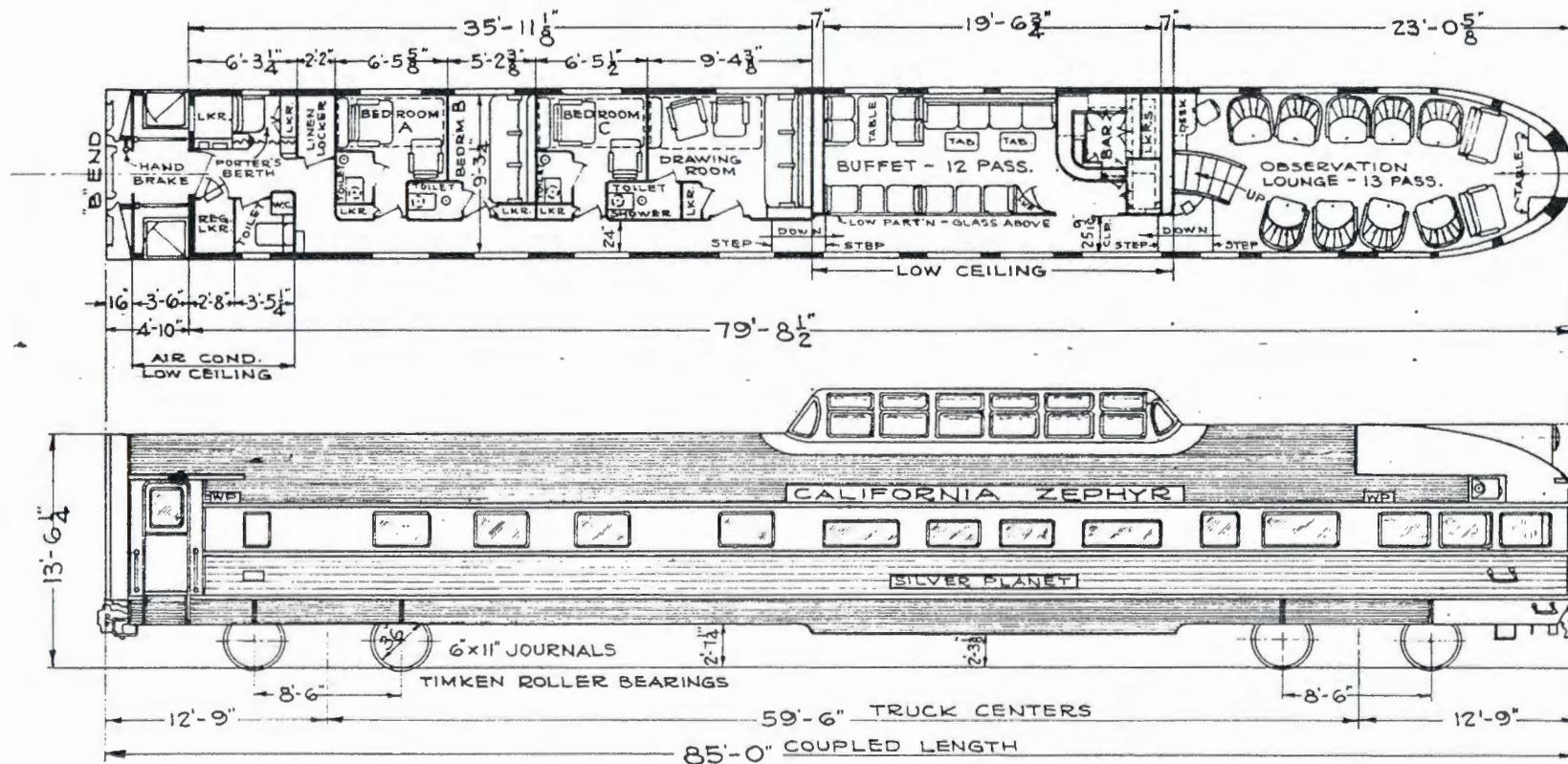


SEE EQUIPMENT DATA ON PAGE

WEIGHT BODY	102470
WEIGHT TRUCKS	40550
<u>TOTAL</u>	<u>143020</u>

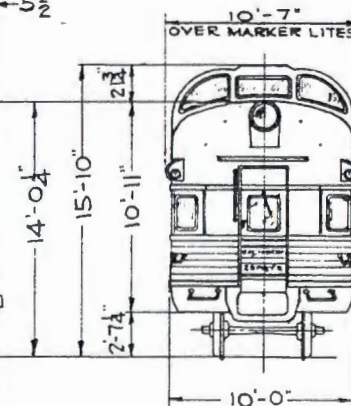
GZ VISTA-DOME OBSERVATION CAR
58 PASSENGER

PAGE NO. 9



SEE VISTA-DOME PLAN ON PAGE 10
SEE EQUIPMENT DATA ON PAGE

CAR NOS. & OWNER			NAME
WP	D&RGW	CB&Q	
881			SILVER CRESCENT
882			" PLANET
	1145		" SKY
		375	" HORIZON
		376	PENTHOUSE
		377	" SOLARIUM

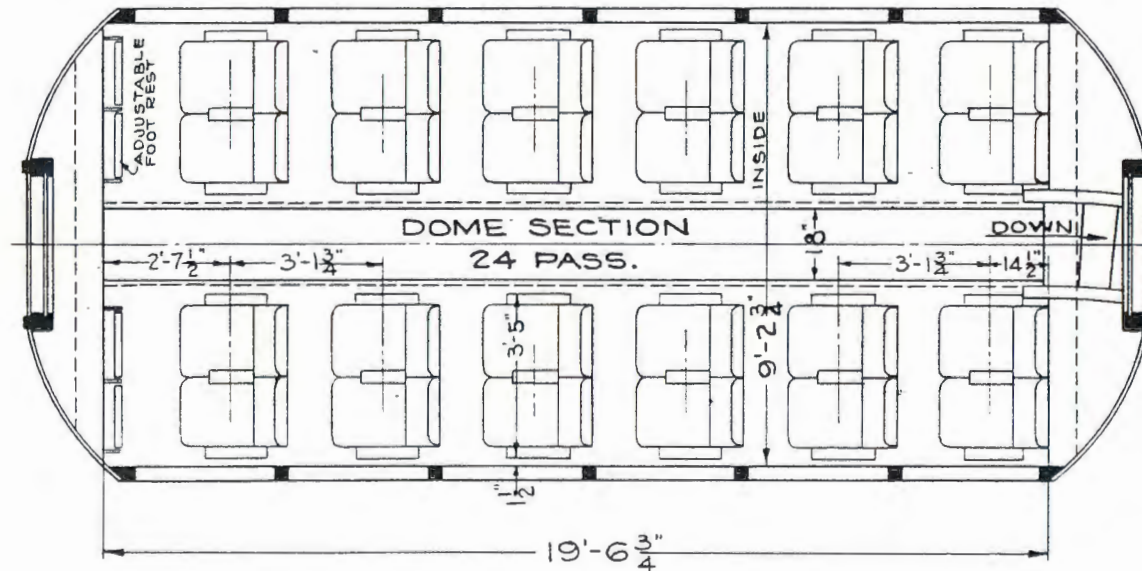


WEIGHT BODY	118250
WEIGHT TRUCKS	40650
<u>TOTAL</u>	<u>158900</u>

CAR NOS. 811-817,
831-832, 881-882

C-Z VISTA-DOME PLAN

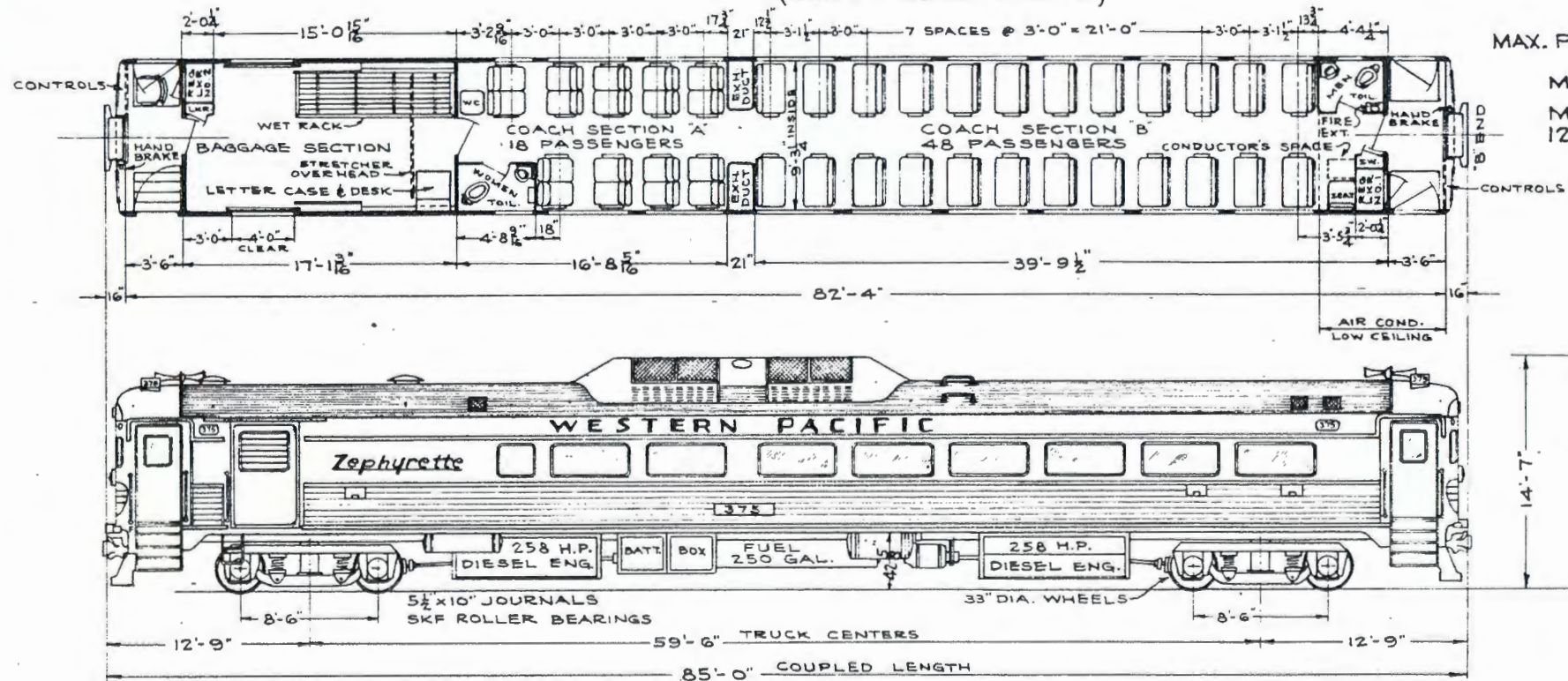
PAGE NO. 10



CAR NOS. 375-376

RAIL DIESEL BAGGAGE COACH
66 PASSENGER
(BUDD MODEL RDC-2)

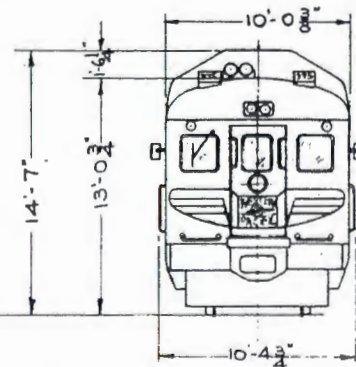
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MAX. PERMISSIBLE SPEED = 79 M.P.H.

MAX. TRACK CURVE = 23°

MAX. TURNOUT = NO. 7 WITH
12'-2" TRACK CENTERS.



TOTAL WT. ON DRIVERS 59,800 LBS.
TOTAL WT. OF CAR 116,200 LBS.

SEE EQUIPMENT DATA ON PAGE 20A

RAIL DIESEL BAGGAGE COACHES - NOS. 375-376

BUDD MODEL RDC-2

BUILT

THE BUDD CO., PHILADELPHIA, PA.
DATE JULY 1950.

MOTIVE POWER

TWO DIESEL ENGINES - GM MODEL 61801
DETROIT DIESEL DIV'N. OF GEN. MOTORS CORP.

DIESEL ENGINES

NUMBER - TWO
TYPE - 2 CYCLE
NUMBER OF CYLINDERS - 6 IN LINE
BORE - 5 INCHES
STROKE - 5.6 INCHES
TOTAL DISPLACEMENT - 660 CU. IN.
RATED HORSEPOWER - 258 AT 1800 R.P.M.
CONTINUOUS HORSEPOWER - 188 AT 1600 R.P.M.

LUBRICATING SYSTEM

OIL CAPACITY (REFILL) ENGINE - 48 QUARTS

COOLING SYSTEM

WATER CAPACITY (STD. ENG.) - 7.5 GALS.
TOTAL COOLING SYSTEM WATER - 75 GALS.

TRANSMISSION

ALLISON DIV'N. OF GEN. MOTORS CORP.
HYDRAULIC TORQUE CONVERTER WITH
LOCKUP CLUTCH.
OIL CAPACITY - 18 GALLONS.

FUEL

DIESEL OIL - 250 GALLONS.

ENGINE OPERATING CONTROL SYSTEM

MASTER CONTROLLER - WESTINGHOUSE ELEC. CORP.

PROPELLER SHAFT-TRACTION DRIVE

SPICER MFG. DIVISION OF DANA.

BRAKE EQUIPMENT

NYAB "HSC" BRAKE EQUIPT. - DOUBLE END CONTROL
BUDD DISC TYPE TRUCK BRAKE - MODEL CF

HAND BRAKE

NATIONAL BRAKE CO. - NO. 800-LC

SANDING EQUIPMENT

NYAB CO. - TOTAL SAND CAPACITY 600 LBS.
8 SAND BOXES - 75 LBS. CAPACITY EACH.

ANTI-WHEEL SLIDE CONTROL

BUDD ROLOKRON TYPE

AIR COMPRESSOR

WESTINGHOUSE AIR BRAKE CO. - TYPE 3-YC

DRAFT GEAR

WAUGH EQUIPMENT CO. - TYPE WM-6-DP
COUPLER - A.A.R. STD., TYPE H, SHORT SHANK

TRUCKS

4 WHEEL - BUDD DESIGN
WHEELS - 33" DIA., A.A.R. TYPE G-33, CLASS CR OR CE
AXLES 5½" x 10" A.A.R.
JOURNAL ROLLER BEARINGS - SKF
SIDE BEARINGS - BUDD CO. FRICTION TYPE
SHOCK ABSORBERS (BOLSTER) - MONROE CO.
FRAMES, BOLSTER & SPRING PLANK - ALL WELDED
CONSTR. BY YOUNGSTOWN STEEL CAR CORP.

ELECTRICAL EQUIPMENT

SAFETY CAR H. & L. CO. - 2 ELECTRIC GENERATORS
TYPE GB-10800, RATED OUTPUT 10 KW AT 800 R.P.M.
ONE BATTERY - EXIDE MV-IT-D, LEAD ACID TYPE,
32 CELLS, 17 PLATE, 284 AMPERE HR. CAPACITY.

LIGHTING SYSTEM

SAFETY CAR HEATING & LIGHTING CO.

FLOOR COVERING

JOHNS-MANVILLE PLASTIC TILE (TERRAFLEX)

BODY INSULATION (THERMAL)

GUSTIN-BACON "ULTRALITE"

HEATING SYSTEM

HOT WATER RADIATION - VAPOR CAR HEATING CORP.
STEAM HOSE COUPLER, V.C.H. #46-C-222 (FOR STANDBY)

AIR CONDITIONING SYSTEM

FRIGIDAIRE CORP. - 7 TON NOM. - ELECTRO-MECH. - FREON

WATER SYSTEM

SERVICE WATER FOR TOILETS (GRAVITY) 75 GAL. TANK
LOCATED OVERHEAD IN BAGGAGE SECTION.

HOT WATER HEATERS

TWO E.L. WIEGAND CO'S. #ARTM-1075 IMMERSION ELEC.
HTR. UNITS. 75 WATT-64 VOLT. ONE IN EACH TOILET

SEATS - COACH SECTION "A"

CAPACITY - 18, S. KARPEN & BROS. 2 PASS. RECLINING
SEATS. 5 REVOLVING #1094-54 & 4 NONE-REV. #B-1094-54

SEATS - COACH SECTION "B"

CAPY. 48, HEYWOOD-WAKEFIELD 2 PASS. "WALK-OVER" TYPE
#G-68094 & 5. B.F. GOODRICH CO'S. "KOROSEAL" COVERING.