4-24-42
12-2-42
11-17-43
3-1-47

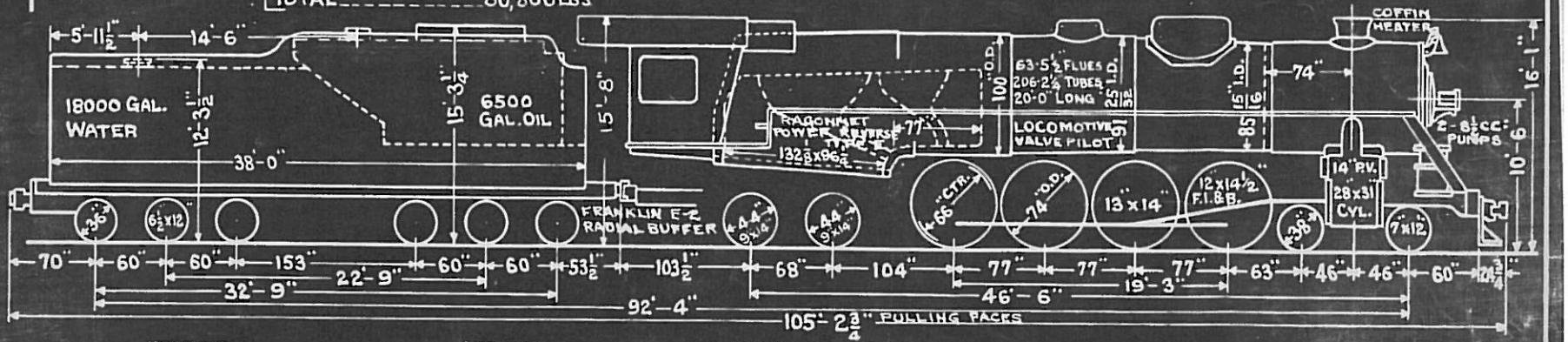
TONNAGE CLASS 81

RATED TRACTIVE EFF. @ 8 MI. PER HR.
MAIN ENGINE ..... 71200 LBS.
BOOSTER ..... 9600 LBS
TOTAL ..... 80,800 LBS

FRISCO LINES
SL-SF. RY. CO.

OIL BURNER

ENGINE NOS. 4500-4502



BUILDER	BALDWIN LOCO. WORKS
BUILDER'S NO.	4500=
DATE BUILT	NOVEMBER, 1942
CURVATURE	MAX. 20 DEGREES
CYLINDER CENTERS	7'-10"
VALVE CENTERS	8'-11"
FRAME CENTERS	3'-4"
WIDTH OVER CAB	10'-6"
WIDTH OVER RUNNING BOARD	10'-10"
WIDTH EXTREME (OVERALL)	

BOOSTER	FRANKLIN TYPE E
WEIGHT ON ENGINE TRUCK	76,290 LBS.
WEIGHT ON DRIVERS	279,840 LBS.
WEIGHT ON TRAILER	108,720 LBS.
TOTAL WEIGHT OF ENGINE	464,850 LBS.
WEIGHT OF TENDER	346,200 LBS.
TOTAL WEIGHT ENGINE & TENDER	811,050 LBS.
BOILER PRESSURE	255 LBS.
TRACTIVE EFFORT	71,200 LBS.
FACTOR OF ADHESION	3.93

GRATE AREA		88.3 SQ. FT.
HEATING SURFACES	SQ. FT.	SQ. FT.
FIREBOX	262	
SYPHONS	117.5	
COMBUSTION CHAMBER	145	TOTAL 524.5
TUBES	2416	
FLUES	1806	TOTAL 4746.5
SUPERHEATED SURFACE	1508	
COMBINED EVAPORATIVE & SUPERHEATED SURFACE		6254.5