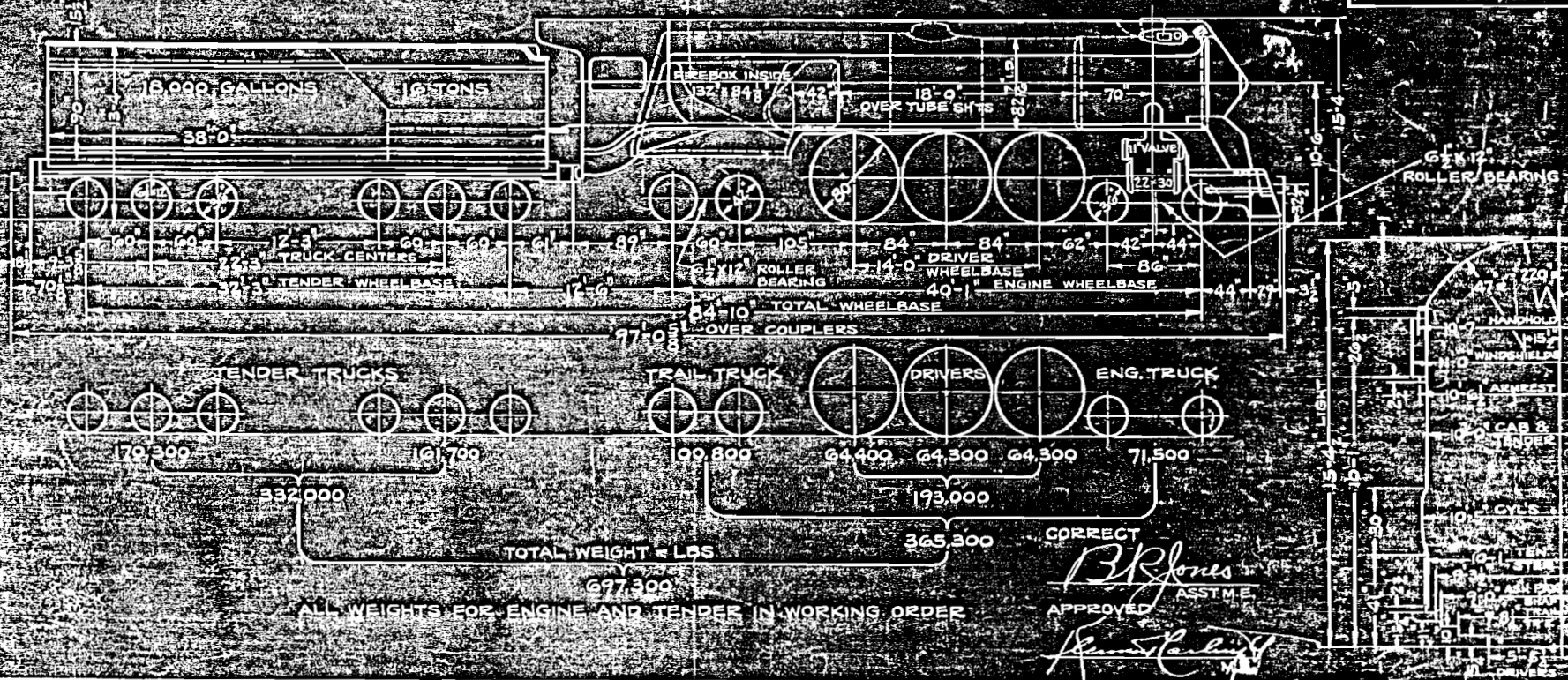


APRIL 6, 1937



NO.	BOILER	HEATING SURFACE	LENGTH	DIA	GAUGE OF THICK.	DESIGN DATA	GENERAL DATA
1	BOILER TUBES - 199 - SPACING 3/4"	2098	18'-0"	2 1/4"	12 MIN.	CALCULATED EVAPORATION LBS/HR	BOILER PRESSURE 285 LBS
2	BOILER FLUES - 48 - SPACING 3/4"	1237	18'-0"	5/2"	8 MIN.	TUBES @ 9.46 LBS 19847 LBS	TRACTION EFFORT 44000 LBS
3	TOTAL TUBES & FLUES	3335				FLUES @ 10.6 LBS 13112 LBS	FACTIVE OF ADHESION 4.38
4	FIREBOX PROPER	260				SYMPHONS @ 55 LBS 7625 LBS	MAX. CURVATURE 15'
5	COMBUSTION CHAMBER	81				FIREBOX @ 55 LBS 14300 LBS	ENGINE TRUCK SWING 15'
6	SYMPHONS - 3	139				COMBUSTION CHAMBER @ 95 LBS 4455 LBS	TRAILING TRUCK SWING 15'
7	TOTAL FIREBOX	480				TOTAL EVAPORATION 59359 LBS	COAL CAPACITY 16 TONS
8	TOTAL EVAPORATING HEATING SURFACE	3815				STEAM CONSUMPTION (2482.208) 91626 LBS	WATER CAPACITY 18000 GALLONS
9	TOTAL SUPERHEATING SURFACE	1042				BOILER FACTOR 115%	VALVE GEAR WALSCHAERT
10	TUBE SHEETS - FT 7/8 BK 1 1/2					ROLLER BEARINGS - DRIVERS - TIMKEN (1401-04)	STOKER 110 TONS
11	GRATE AREA				77 1/2 SQ. FT.	ROLLER BEARINGS - DRIVERS - SKF (1401, 1405-04)	MAXIMUM CUTOFF 83.3%
12						ROLLER BEARINGS - ENG & TRAIL TRKS - A.S.F.	TURBO-INJECTOR HANCOCK
13						TENDER TRUCK BOXES - ISOTHERMOS	SUPERHEATER TYPE A
14						LUBRICATION O.R.S. & L.S. - NATHAN (400-04)	THROTTLE AMERICAN
						LOCOS RED CASTING	65000

DETAILS IN...