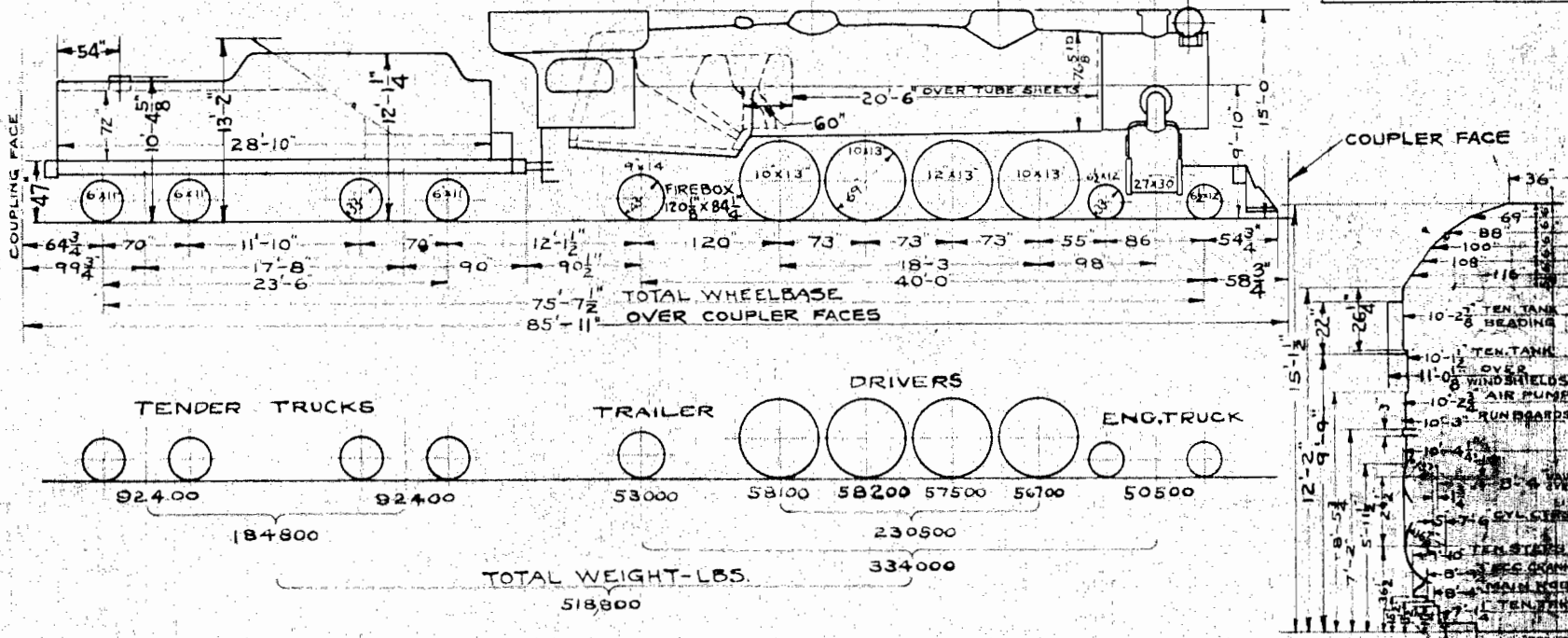


APRIL 17 - 1929

NYNH&H R.R. CO. - OFFICE OF MECH. ENGR.

TENDERS W-10-C ENGS. 26-27  
3331-3334  
FEEDWATER HEATERS

CLY SSR-1-B  
DIAGRAM  
SK. 5641



ALL WEIGHTS FOR ENGINE AND TENDER IN WORKING ORDER CORRECT APPROVED

*Handwritten Signature*  
A.M.E.

M.E.

ITEM	BOILER	HEATING SURFACE	LENGTH OVER TUBE SHEETS	DIA	GAUGE OR THICK.	DESIGN DATA	GENERAL DATA
1	BOILER TUBES - 216-SPACING 1/16	2597	20'-6"	2 1/2"	# 12 MIN	CALCULATED EVAPORATION LBS./HR	BOILER PRESSURE 200 LBS
2	BOILER FLUES - 40-SPACING 3/4	1176	20'-6"	5 1/2"	# 10 MIN	TUBES @ 8.52 LBS. 22130 LBS	TRACTIVE EFFORT 53900 LBS
3	TOTAL TUBES & FLUES	3773				FLUES @ 9.86 LBS. 11600 LBS	FACTOR OF ADHESION 4.27
4	FIREBOX PROPER	214				FIREBOX @ 55 LBS. 11770 LBS	MAX. CURVATURE 19'
5	COMBUSTION CHAMBER	106				COMBUSTION CHAMBER @ 55 LBS. 5830 LBS	ENGINE TRUCK SWING 4 1/2'
6	SYPHONS-2 FIREBOX-1 COMB. CHAMBER	95				3-SYPHONS @ 55 LBS. 5225 LBS	TRAILING TRUCK SWING 6'
7	TOTAL FIREBOX	415				TOTAL EVAPORATION 50555 LBS	COAL CAPACITY 16 TONS
8	TOTAL EVAPORATING HEATING SURFACE	4108				STEAM CONSUMPTION (2624X208) 54580 LBS	WATER CAPACITY 10000 GALS
9	TOTAL SUPERHEATING HEATING SURFACE	1609				BOILER FACTOR 104%	STOKER "LT-1" CONVERSION
10	TUBE SHEETS - FT 9/16 BK 1/2					FIREBOX H.S. TO GRATE AREA 570	VALVE GEAR BAKER
11	GRATE AREA				70.3 SQ. FT.	TOTAL EVAP. H.S. TO FIREBOX H.S. 10.09	FEED WATER HEATER ELES CO
12	WEIGHT WATER 2 1/2 GAUGES					TOTAL EVAP. H.S. TO SURFACE H.S. 4.15	THROTTLE-CHAMBERS-DOME TYPE - INSIDE CONN.
13						FR. FOR AIR PRESSURE 105%	MAX CUT OFF 82 1/2%
14						FRAME CORR. 41.3" RAMP WIDTH 6"	
15							

SK. 5641