A-3

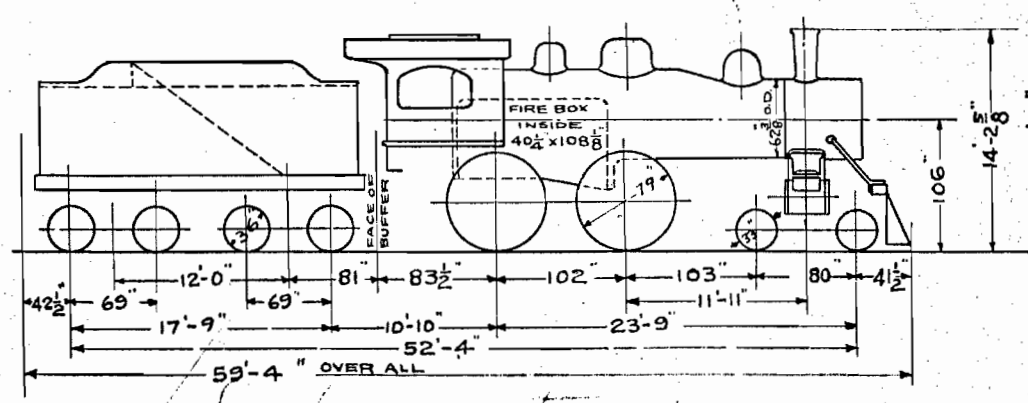
Co. No.	Old No.	Bldrs. No.	Builder	Date Blt.
1200 to 1209	541 to 550	25590 to 25599	A.L.Co. R.I.	1902
1210 to 1214	536 to 540	5457 to 5461	A.L.Co. Sch'dy	1900

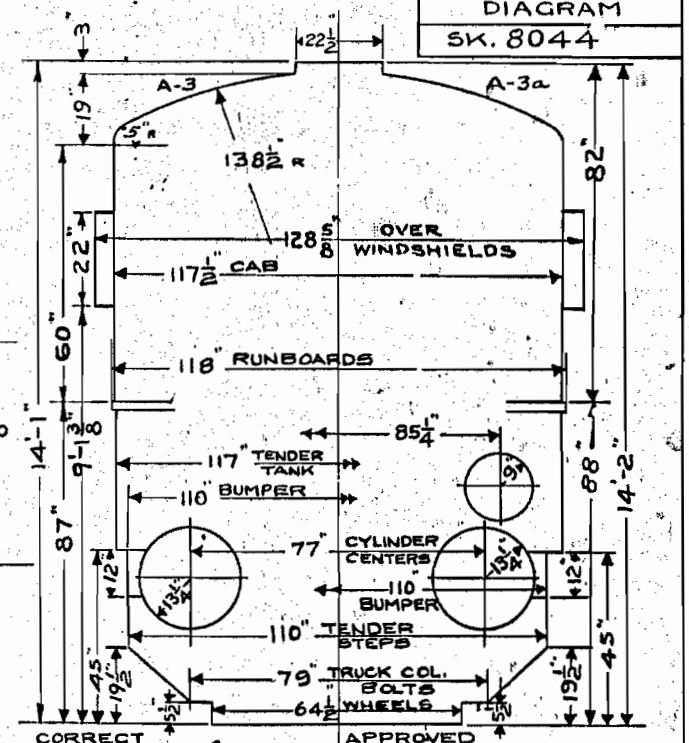
ALL DIMENSIONS ARE GIVEN WITH ENGINE AND TENDER IN WORKING ORDER AND WITH NEW WHEELS AND TIRES.

CLASS -3, A-3-a

DIAGRAM

SK. 8044





THIS SK. SUPERSEDES SK. 5454

BOILER DATA

ITEM	B.W.G.	DIAM.	HEATING SURFACE SQ. FT. 308 FLUES 12'-0" LONG	163 FLUES 11'-6" LONG	159 FLUES 11'-6" LONG	158 FLUES 11'-6" LONG
SMALL FLUES	#12 MIN.	2"	1922	974	950	944
LARGE FLUES 24	#10 MIN.	5½"	——	395	395	395
TOTAL FLUES	——	——	1922	1369	1345	1339
FIRE BOX PROPER	——	——	167	167	167	166
SYPHON 1	——	——	——	——	——	29
ARCH TUBES 2	#8 MIN.	3"	15	15	15	——
TOTAL FIREBOX	——	——	182	182	182	195
PRIMARY HTG. SURFACE	——	——	2104	1551	1527	1534
SUPERHEATING SURFACE	——	——	——	309	309	309
GRATE AREA					30.2 SQ. FT.	

TENDER DATA

Tender Diagram Sk.	Loaded Wt. Lbs.	Capacity Water	Capacity Coal	Tender Class
8009	110800	5500	10	W-4-a
8010	110800	5500	10	W-4-c
8010	116000	6000	10	W-5-b
8008	133300	7000	12	W-6-b
8009	120000	6000	10	W-5-a
——	119000	6000	8	W-5-E.

GENERAL DATA

BOILER PRESSURE	200 LBS.	
TRACTIVE EFFORT	22666 LBS.	
MAX. CURVATURE	17°	
	A-3	A-3-a
WT. ON DRIVERS	92000#	95500#
WT. ON ENG. TRUCK	43000#	53500#
TOTAL ENG. WT.	135000#	149000#
FACTOR OF ADHESION	4.05	4.21
VALVE GEAR	STEPHENSON	SOUTHERN
CYLINDER	20"x26"	20"x26"
VALVE	"D" TYPE	9" PISTON U.S.E. 12" PISTON

DEC. 9, 1929.

N.Y.N.H. & H.R.R.CO. MECH. ENGRS. OFFICE

DR.	TR.	CK.	IN.
HF	HF	M	