

REVISED

MAY  
1950

APRIL  
1954

JAN  
1956

JAN.  
1958

APRIL  
1961

AUG.  
1962

BOOK NO. 75

TITLE MASTER MECHANIC

NAME R. H. KIESER

THE NEW YORK, CHICAGO AND ST. LOUIS RAILROAD COMPANY

# NICKEL PLATE ROAD

## LOCOMOTIVE DIAGRAMS

MECHANICAL DEPARTMENT

CLEVELAND OHIO

*Revised 1-7-53*

ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.
			25	AS-10B	3	50	AS-10C	3	75	AS-10E	3-1	100	BS-10A	5	125	FS-10A	12
1	AS-10A	3	26	AS-10B	3	51	AS-10C	3	76	AS-10E	3-1	101	BS-10A	5	126	FS-10A	12
2	AS-10A	3	27	AS-10B	3	52	AS-10C	3	77	AS-10E	3-1	102			127	FS-10A	12
3	AS-10A	3	28	AS-10B	3	53	AS-10C	3	78	ASM-10D	3-2	103			128	FS-10A	12
4	AS-10A	3	29	AS-10B	3	54	AS-10C	3	79	ASM-10D	3-2	104			129	FS-10A	12
5	AS-10A	3	30	AS-10B	3	55	AS-10C	3	80	ASM-10D	3-2	105	ES-6A	7	130	FS-10A	12
6	AS-10A	3	31	AS-10B	3	56	AS-10C	3	81	ASM-10D	3-2	106	ES-6A	7	131	FS-10A	12
7	ES-10B	9	32	AS-10B	3	57	AS-10C	3	82	ASM-10D	3-2	107	ES-8A	8	132	FS-10A	12
8	ES-10B	9	33	AS-10B	3	58	AS-10C	3	83	ASM-10D	3-2	108	ES-8A	8	133	FS-10A	12
9	ES-10B	9	34	AS-10B	3	59	ASM-10B	3-2	84			109	ES-8A	8	134	FS-12A	12
10	ES-10B	9	35	AS-10B	3	60	ASM-10B	3-2	85	AS-6A	2	110	ES-8A	8	135	FS-12A	12
11	ES-10C	9	36	AS-10B	3	61	ASM-10C	3-2	86			111	ES-8A	8	136	FS-12A	12
12	ES-10C	9	37	AS-10B	3	62			87			112	ES-8A	8	137	FS-12A	12
13	ES-10C	9	38	AS-10B	3	63			88			113	ES-8A	8	138	FS-12A	12
14	ES-10C	9	39	AS-10B	3	64			89			114	ES-8A	8	139	FS-12B	12
15	ES-10C	9	40	AS-10B	3	65	AS-10D	3	90	GS-4A	13	115			140	FS-12B	12
16	ES-10C	9	41	AS-10B	3	66	AS-10D	3	91			116			141	FS-12B	12
17	ES-10C	9	42	AS-10B	3	67	AS-10D	3	92			117			142	FS-12B	12
18	ES-10C	9	43	AS-10B	3	68	AS-10D	3	93			118			143	FS-12B	12
19	ES-10C	9	44	ASM-10A	3-2	69	AS-10D	3	94			119			144	FS-12B	12
20	ES-10C	9	45	ASM-10A	3-2	70	AS-10D	3	<del>95</del>	<del>ES-10A</del>	<del>9</del>	120			145	FS-12B	12
21	ES-10C	9	46	AS-10C	3	71	AS-10D	3	<del>96</del>	<del>ES-10A</del>	<del>9</del>	121			146	FS-12C	12
22	ES-10C	9	47	AS-10C	3	72	AS-10D	3	<del>97</del>	<del>ES-10A</del>	<del>9</del>	122			147	FS-12C	12
23			48	AS-10C	3	73	AS-10D	3	<del>98</del>	<del>ES-10A</del>	<del>9</del>	123			148	FS-12C	12
24			49	AS-10C	3	74	AS-10E	3-1	99			124			149	FS-12C	12

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150	FS912G	12	175			200			225			250			275		
151	FS-12G	12	176			201			226			251			276		
152	FS-12G	12	177			202			227			252			277		
153	FS-12G	12	178			203			228			253			278		
154	FS-12G	12	179			204			229			254			279		
155	FS-12G	12	<del>180</del>	<del>AP-20A</del>	<del>1</del>	205			230	ES-12A	10	255			280		
156			<del>181</del>	<del>AP-20A</del>	<del>1</del>	206			231	ES-12A	10	256			281		
157			<del>182</del>	<del>AP-20A</del>	<del>1</del>	207			232	ES-12A	10	257			282		
158			<del>183</del>	<del>AP-20A</del>	<del>1</del>	208			233	ES-12B	10	258			283		
159			<del>184</del>	<del>AP-20A</del>	<del>1</del>	209			234	ES-12B	10	259			284		
160			<del>185</del>	<del>AP-20A</del>	<del>1</del>	210			235	ES-12B	10	260			285		
161			<del>186</del>	<del>AP-20A</del>	<del>1</del>	211			236	ES-12B	10	261			286		
162			<del>187</del>	<del>AP-20A</del>	<del>1</del>	212			237	ES-12B	10	262			287		
163			<del>188</del>	<del>AP-20A</del>	<del>1</del>	213			238	ES-12C	10	263			288		
164			<del>189</del>	<del>AP-20A</del>	<del>1</del>	214			239	ES-12C	10	264			289		
165			<del>190</del>	<del>AP-20A</del>	<del>1</del>	215			240	ES-12C	10	265			290		
166			191			216			241	ES-12C	10	266			291		
167			192			217			242	ES-12C	10	267			292		
168			193			218			243	ES-12C	10	268			293		
169			194			219			244	ES-12C	10	269			294		
170			195			220			245			270			295		
171			196			221			246			271			296		
172			197			222			247			272			297		
173			198			223			248			273			298		
174			199			224			249			274			299		

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300			325	ARX-18A	16-1	350	ERX-17A	15-2	375			400	ERS-15A	11	425	ERS-15C	11
301			326	ARX-18A	16-1	351	ERX-17A	15-2	376			401	ERS-15A	11	426	ERS-15C	11
302			327	ARX-18A	16-1	352	ERX-17A	15-2	377			402	ERS-15A	11	427	ERS-15C	11
303			328	ARX-18A	16-1	353	ERX-17A	15-2	378			403	ERS-15A	11	428	ERS-15C	11
304			329	ARX-18A	16-1	354	ERX-17A	15-2	379			404	ERS-15A	11	429	ERS-15C	11
305	LS-10A	14	330	ARX-18A	16-1	355	ERX-17A	15-2	380			405	ERS-15A	11	430	ERS-15C	11
306	LS-10A	14	331	ARX-18A	16-1	356	ERX-17A	15-2	381			406	ERS-15A	11	431	ERS-15C	11
307	LS-10A	14	332	ARX-18A	16-1	357	ERX-17A	15-2	382			407	ERS-15A	11	432	ERS-15C	11
308	LS-10A	14	333	ARX-18A	16-1	358	ERX-17A	15-2	383			408	ERS-15A	11	433	ERS-15C	11
309	LS-12A	14	334			359	ERX-17A	15-2	384			409	ERS-15A	11	434	ERS-15C	11
310	LS-12A	14	335			360			385			410	ERS-15A	11	435	ERS-15C	11
311	LS-12A	14	336			361			386			411	ERS-15A	11	436	ERS-15C	11
312	LS-12A	14	337			362			387			412	ERS-15A	11	437	ERS-15C	11
313			338			363			388			413	ERS-15A	11	438	ERS-15C	11
314			339			364			389			414	ERS-15B	11	439	ERS-15C	11
315			340	ERX-17A	15-2	365			390			415	ERS-15B	11	440	ERS-15C	11
316			341	ERX-17A	15-2	366			391			416	ERS-15B	11	441	ERS-15C	11
317			342	ERX-17A	15-2	367			392			417	ERS-15B	11	442	ERS-15C	11
318			343	ERX-17A	15-2	368			393			418	ERS-15B	11	443	ERS-15C	11
319			344	ERX-17A	15-2	369			394			419	ERS-15B	11	444	ERS-15C	11
320	ERS-18A	6	345	ERX-17A	15-2	370			395			420	ERS-15B	11	445	ERS-15C	11
321	ERS-18A	6	346	ERX-17A	15-2	371			396			421	ERS-15B	11	446	ERS-15C	11
322	ERS-17A	6	347	ERX-17A	15-2	372			397			422	ERS-15B	11	447	ERS-15C	11
323	ERS-17A	6	348	ERX-17A	15-2	373			398			423	ERS-15C	11	448	ERS-17A	15
324			349	ERX-17A	15-2	374			399			424	ERS-15C	11	449	ERS-17A	15

ENG.	ENGINE	SHEET	ENG.	ENGINE	SHEET	ENG.	ENGINE	SHEET	ENG.	ENGINE	SHEET	ENG.	ENGINE	SHEET	ENG.	ENGINE	SHEET
450	ERS-17A	15	475	ERS-17A	15	500	ERS-17D	15-1	525	FRS-17E	15-1	550	ARS-16A	4	575	ARS-18D	16
451	ERS-17A	15	476	ERS-17A	15	501	ERS-17D	15-1	526	FRS-17E	15-1	551	ARS-16A	4	576	ARS-18D	16
452	ERS-17A	15	477	ERS-17B	15	502	ERS-17D	15-1	527	FRS-17E	15-1	552	ARS-16A	4	577	ARS-18D	16
453	ERS-17A	15	478	ERS-17B	15	503	ERS-17D	15-1	528	FRS-17E	15-1	553	ARS-16A	4	578	ARS-20A	20
454	ERS-17A	15	479	ERS-17B	15	504	ERS-17D	15-1	529	FRS-17E	15-1	554	ARS-16A	4	579		
455	ERS-17A	15	480	ERS-17C	15-4	505	ERS-17D	15-1	530	FRS-17E	15-1	555	ARS-16A	4	580		
456	ERS-17A	15	481	ERS-17C	15-4	506	ERS-17D	15-1	531	FRS-17E	15-1	556	ARS-16A	4	581		
457	ERS-17A	15	482	ERS-17C	15-4	507	ERS-17D	15-1	532	FRS-17E	15-1	557	ARS-16A	4	582		
458	ERS-17A	15	483	ERS-17C	15-4	508	ERS-17D	15-1	533	FRS-17E	15-1	558	ARS-18A	16	583		
459	ERS-17A	15	484	ERS-17C	15-4	509	ERS-17D	15-1	534	FRS-17E	15-1	559	ARS-18A	16	584		
460	ERS-17A	15	485	ERS-17C	15-4	510	FRS-17E	15-1	535	ARS-16A	4	560	ARS-18A	16	585		
461	ERS-17A	15	486	ERS-17D	15-1	511	FRS-17E	15-1	536	ARS-16A	4	561	ARS-18A	16	586		
462	ERS-17A	15	487	ERS-17D	15-1	512	FRS-17E	15-1	537	ARS-16A	4	562	ARS-18A	16	587		
463	ERS-17A	15	488	ERS-17D	15-1	513	FRS-17E	15-1	538	ARS-16A	4	563	ARS-18B	16	588		
464	ERS-17A	15	489	ERS-17D	15-1	514	FRS-17E	15-1	539	ARS-16A	4	564	ARS-18B	16	589		
465	ERS-17A	15	490	ERS-17D	15-1	515	FRS-17E	15-1	540	ARS-16A	4	565	ARS-18B	16	590		
466	ERS-17A	15	491	ERS-17D	15-1	516	ERS-17E	15-1	541	ARS-16A	4	566	ARS-18B	16	591		
467	ERS-17A	15	492	ERS-17D	15-1	517	FRS-17E	15-1	542	ARS-16A	4	567	ARS-18B	16	592		
468	ERS-17A	15	493	ERS-17D	15-1	518	ERS-17E	15-1	543	ARS-16A	4	568	ARS-18B	16	593		
469	ERS-17A	15	494	ERS-17D	15-1	519	FRS-17E	15-1	544	ARS-16A	4	569	ARS-18B	16	594		
470	ERS-17A	15	495	ERS-17D	15-1	520	FRS-17E	15-1	545	ARS-16A	4	570	ARS-18B	16	595		
471	ERS-17A	15	496	ERS-17D	15-1	521	FRS-17E	15-1	546	ARS-16A	4	571	ARS-18B	16	596		
472	ERS-17A	15	497	ERS-17D	15-1	522	FRS-17E	15-1	547	ARS-16A	4	572	ARS-18B	16	597		
473	ERS-17A	15	498	ERS-17D	15-1	523	ERS-17E	15-1	548	ARS-16A	4	573	ARS-18D	16	598		
474	ERS-17A	15	499	ERS-17D	15-1	524	ERS-17E	15-1	549	ARS-16A	4	574	ARS-18D	16	599		

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600			625			650			675			700	ERS-12A	15-3	725		
601			626			651			676			701	ERS-13A	15-3	726		
602			627			652			677			702	ERS-13A	15-3	727		
603			628			653			678			703	ERS-13A	15-3	728		
604			629			654			679			704	ERS-12A	15-3	729		
605			630			655			680			705	ERS-12A	15-3	730		
606			631			656			681			706	ERS-13A	15-3	731		
607			632			657			682			707	ERS-13A	15-3	732		
608			633			658			683			708	ERS-13A	15-3	733		
609			634			659			684			709	ERS-12A	15-3	734		
610			635			660			685			710			735		
611			636			661			686			711			736		
612			637			662			687			712			737		
613			638			663			688			713			738		
614			639			664			689			714			739		
615			640			665			690			715			740		
616			641			666			691			716			741		
617			642			667			692			717			742		
618			643			668			693			718			743		
619			644			669			694			719			744		
620			645			670			695			720			745		
621			646			671			696			721			746		
622			647			672			697			722			747		
623			648			673			698			723			748		
624			649			674			699			724			749		

ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.	ENG. NO.	ENGINE CLASS	SHEET NO.
750			775			800	ERS-170	15-1	825			850	ARS-18C	16	875	ARS-18E	17
751			776			801	ERS-170	15-1	826			851	ARS-18C	16	876		
752			777			802	ERS-170	15-1	827			852	ARS-18C	16	877		
753			778			803	ERS-170	15-1	828			853	ARS-18C	16	878		
754			779			804	ERS-170	15-1	829			854	ARS-18C	16	879		
755			780			805	ERS-170	15-1	830			855	ARS-18C	16	880		
756			781			806	ERS-170	15-1	831			856	ARS-18C	16	881		
757			782			807	ERS-170	15-1	832			857	ARS-18C	16	882		
758			783			808	ERS-170	15-1	833			858	ARS-18C	16	883		
759			784			809	ERS-170	15-1	834			859	ARS-18C	16	884		
760			785			810	ERS-170	15-1	835			860	ARS-18C	16	885		
761			786			811	ERS-170	15-1	836			861	ARS-18C	16	886		
762			787			812	ERS-170	15-1	837			862	ARS-18C	16	887		
763			788			813	ERS-170	15-1	838			863	ARS-18C	16	888		
764			789			814	ERS-170	15-1	839			864	ARS-18C	16	889		
765			790			815			840			865	ARS-18E	17	890		
766			791			816			841			866	ARS-18E	17	891		
767			792			817			842			867	ARS-18E	17	892		
768			793			818			843			868	ARS-18E	17	893		
769			794			819			844			869	ARS-18E	17	894		
770			795			820			845			870	ARS-18E	17	895		
771			796			821			846			871	ARS-18E	17	896		
772			797			822			847			872	ARS-18E	17	897		
773			798			823			848			873	ARS-18E	17	898		
774			799			824			849			874	ARS-18E	17	899		





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IDENTIFICATION OF PARTS SHOWN ON DIAGRAM SHEET

- |                             |                                    |
|-----------------------------|------------------------------------|
| 1_ ENGINE                   | 22_ STEAM GENERATOR                |
| 2_ MAIN GENERATOR           | 23_ BATTERIES                      |
| 3_ EXCITER                  | 24_ TOILET                         |
| 4_ AUXILIARY GENERATOR      | 25_ FUEL TANK                      |
| 5_ TRACTION MOTORS          | 26_ FUEL TANK FILLING CONNECTION   |
| 6_ CONTACTOR COMPARTMENT    | 27_ FUEL TANK GAUGE                |
| 7_ TURBOSUPERCHARGER        | 28_ EMERGENCY FUEL CUT OFF         |
| 8_ " FILTERS & SILENCERS    | 29_ WATER TANKS                    |
| 9_ ENGINE CONTROL PANEL     | 30_ WATER TANK FILLING CONNECTIONS |
| 10_ CONTROL STAND           | 31_ SAND BOXES                     |
| 11_ BRAKE VALVES            | 32_ SAND BOX FILLING HOLES         |
| 12_ TRACTION MOTOR BLOWERS  | 33_ GENERATOR AIR DUCT             |
| 13_ RADIATORS               | 34_ HAND BRAKE                     |
| 14_ RADIATOR SHUTTERS       | 35_ CAB HEATERS                    |
| 15_ RADIATOR FAN            | 36_ SEAT                           |
| 16_ RADIATOR FAN CLUTCH     | 37_ HORN                           |
| 17_ LUBRICATING OIL COOLER  | 38_ BELL                           |
| 18_ LUBRICATING OIL FILTERS | 39_ NUMBER BOX                     |
| 19_ ENGINE WATER TANK       | 40_ TOOL BOX                       |
| 20_ AIR COMPRESSOR          | 41_ HEADLIGHT—MARS SIGNAL          |
| 21_ MAIN AIR RESERVOIRS     | 42_ HEADLIGHT—CONVENTIONAL TYPE    |

ENGINE — ALCO SERIES 244 DIESEL, 16 CYLINDER, VEE TYPE, 4 CYCLE, 9" BORE, 10½" STROKE, SINGLE ACTING, TURBOSUPERCHARGED, 2000 H.P. 1 ENGINE PER UNIT

GENERATOR — G.E. TYPE GT-566, 600 VOLTS 1 PER UNIT

AUX. GENERATOR — G.E. TYPE GY-27 2 PER UNIT

EXCITER — G.E. TYPE AM-808, AMPLIDYNE 1 PER UNIT

TRACTION MOTORS — G.E. TYPE GE-752-A1 4 PER UNIT

BATTERIES — GOULD TYPE 32 CELL, KMH 25

AIR BRAKE EQUIPMENT — 24 RL WITH F-3-D FEED VALVES, DEADMAN'S CONTROL, MAXIMUM SPEED CONTROL.

AIR COMPRESSOR — WESTINGHOUSE TYPE 3CDB, 2 STAGE, 3 CYL., AIR COOLED. 1 PER UNIT

JOURNAL BEARINGS — TIMKEN ROLLER BEARING 6½" DIA. JOURNALS

COUPLERS — A. A. R. TIGHTLOCK

GEAR RATIO — 62-21

MAX. SPEED — 90 M.P.H.

STEAM GENERATOR — CLARKSON DK-4530, 3000 LBS. PER HOUR STEAM GENERATOR WITH REMOTE CONTROL FOR FIREMAN. FUEL SUPPLY FROM MAIN FUEL TANK. 1 PER UNIT

SUPPLIES — COOLING WATER \_\_\_\_\_ 300 GAL. PER UNIT  
 STEAM HEAT WATER \_\_\_\_\_ 1300 GAL. PER UNIT  
 FUEL OIL \_\_\_\_\_ 1200 GAL. PER UNIT  
 LUBRICATING OIL \_\_\_\_\_ 230 GAL. PER UNIT  
 SAND \_\_\_\_\_ 22 CU. FT. PER UNIT

WEIGHT OF ONE GENERATOR \_\_\_\_\_ 11 500 LBS.

WEIGHT OF ONE COMPLETE TRUCK WITH MOTORS \_\_\_\_\_ 58 800 LBS.

WEIGHT OF ONE ENGINE - DRY \_\_\_\_\_ 37 000 LBS.

LIGHT WEIGHT ON FRONT TRUCK \_\_\_\_\_ 147 500 LBS.

LIGHT WEIGHT ON REAR TRUCK \_\_\_\_\_ 134 600 LBS.

LIGHT WEIGHT OF ONE UNIT \_\_\_\_\_ 282 100 LBS.

BUILDER — AMERICAN LOCOMOTIVE CO.

YEAR BUILT — 1947-1948

TRACTIVE EFFORT STARTING—51 350 LBS. AT 25% ADHESION PER UNIT  
 TRACTIVE EFFORT CONTINUOUS—30 500 LBS. AT 20 M.P.H. PER UNIT

NUMBER OF ENGINES—11

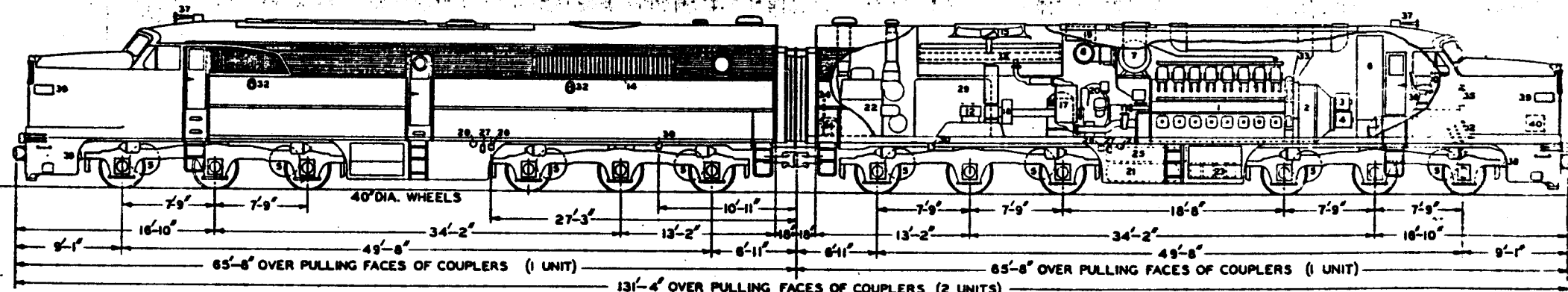
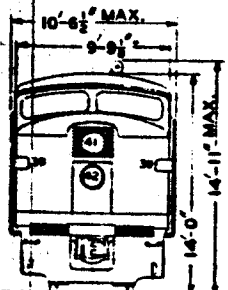
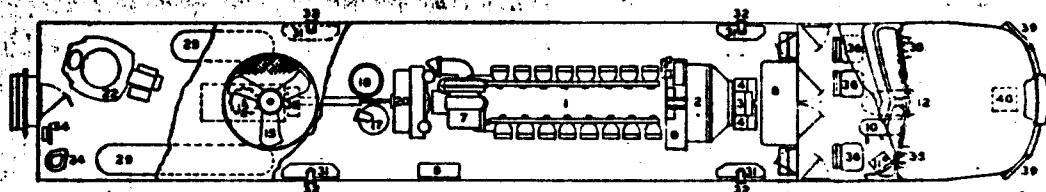
N K P

DIESEL LOCO. CLASS DP-1

2000 H.P. PASSENGER LOCOMOTIVE  
 ENGINE DESIGNED FOR 21° CURVE

ENG. NOS  
 180-190

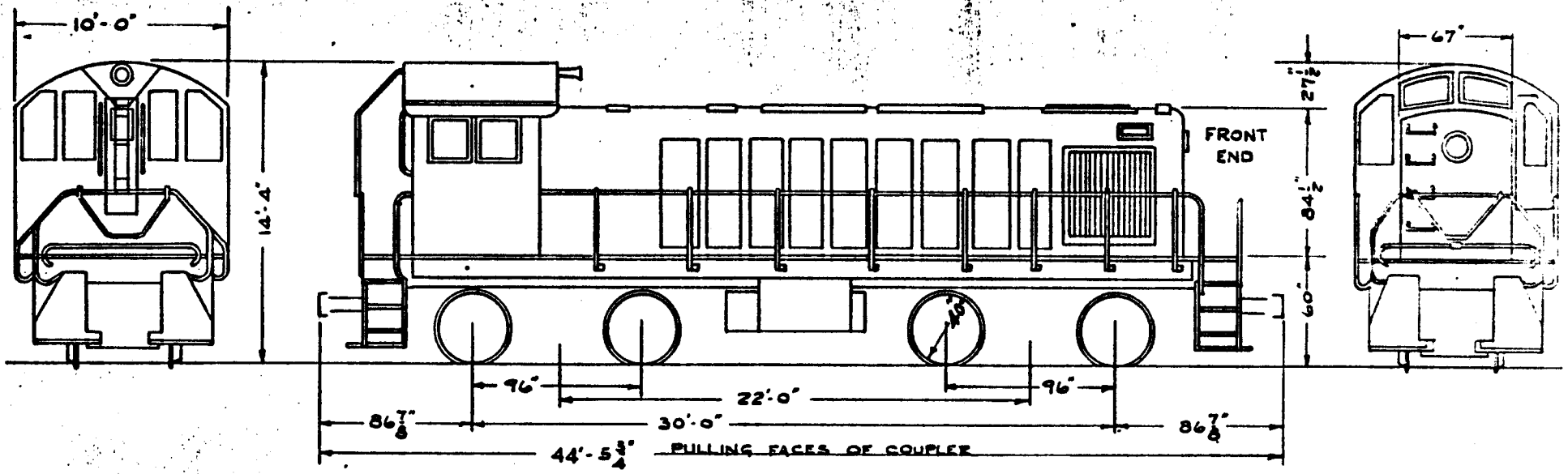
NOTE—FUEL OIL AND BOILER WATER MAY BE TAKEN ON FROM EITHER SIDE  
 OF LOCOMOTIVE AT LOCATIONS SHOWN.  
 FUEL OIL CONN.—26 BOILER WATER CONN.—30



WEIGHTS IN POUNDS—LOADED

153 000	308 000—1 UNIT	153 000	155 000	308 000—1 UNIT	153 000
		131'-4" OVER PULLING FACES OF COUPLERS (2 UNITS)			
616 000—TOTAL WEIGHT 2 UNITS					

2	ENGINE NUMBERS	85				ENGINE NUMBERS	85			
	ENGINE CLASS	AS-6A				MAIN GENERATOR - MAKE	G. E.			
	PROGRAM SHEET	2A				- MODEL	GT-552A			
	NO. OF LOCOM.	1				AUX. GENERATOR - MAKE	G. E.			
	BUILDER	A. L. CO.				- MODEL	GMG-139			
	BUILDER NO.	S-3143				TRACTION MOTOR - MAKE	G. E.			
	BUILDER MODEL	S-1				- NUMBER	4			
	YEAR BUILT	1950				- MODEL	GE-731			
	WIGHT ON DRIVERS	198300				- GEAR RATIO	75:16			
	WIGHT ENGINE W.C.	198300				AIR COMPRESS. - MAKE	W. A. B.			
	WIGHT ENGINE LIGHT					- MODEL	3-CD			
	ADDSIVE POWER - LBS.	49600				AIR BRAKE SCHED.	14-EL			
	- AT 3.8 MPH	49600				WHEEL DIAMETER	40" Tire			
	- AT 25 MPH	7800				JOURNAL - SIZE	7 x 14			
	- AT 35 MPH	5000				- TYPE BEARINGS	PLAIN			
	ENGINE - MAKE	A. L. CO.								
	- MODEL									
	- CYCLE	4								
	- NO. CYLINDERS	6								
	- DIA. X STROKE	12-1/2 x 13								
	- HORSEPOWER	660								
	- AT R.P.M.	740								
	GOVERNOR - MAKE					CAPY. - FUEL OIL - GALS.	635			
	- MODEL					- LUBE OIL - GALS.	80			
						- WATER - GALS.	220			
						- SAND - CU. FT.	27			



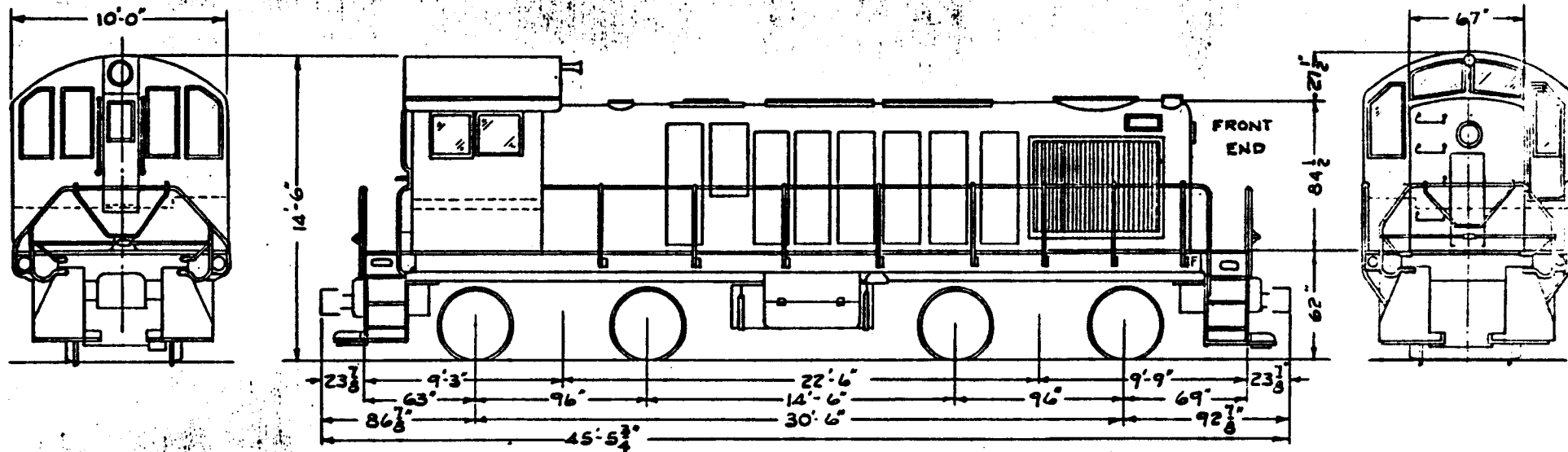
MAX. CURVE - 114°-36'

A.L. CO. 660 H.P.  
CLASS AS-8

3	ENGINE NUMBERS	1 - 6	25 - 43	46 - 58	65 - 73	ENGINE NUMBERS	1 - 6	25 - 43	46 - 58	65 - 73
ENGINE CLASS	AS-10A	AS-10B	AS-10C	AS-10D	MAIN GENERATOR - MAKE	G. E.	G. E.	G. E.	G. E.	
DIAGRAM SHEET	3A	3A	3A	3A	- MODEL	GT - 553A	GT - 553A	GT - 553A	GT - 553A	
NO. OF LOCS.	6	19	13	9	AUX. GENERATOR - MAKE	G. E.	G. E.	G. E.	G. E.	
BUILDER	A. L. CO.	A. L. CO.	A. L. CO.	A. L. CO.	- MODEL	GMG - 139	GMG - 139	GMG - 139	GMG - 139	
BUILDER NO.					TRACTION MOTOR - MAKE	G. E.	G. E.	G. E.	G. E.	
BUILDER MODEL	S-2	S-2	S-4	S-4	- NUMBER	4	4	4	4	
YEAR BUILT	1942	1947	1951	1952	- MODEL	731-C	731-D	731-D	731-D	
WEIGHT ON DRIVERS	230000	230000	230400	230000	- GEAR RATIO	75:16	75:16	75:16	75:16	
WEIGHT ENGINE W.O.	230000	230000	230400	230000	AIR COMPRESS. - MAKE	W. A. B.	W. A. B.	W. A. B.	W. A. B.	
WEIGHT ENGINE LIGHT	219600	219600	220000	219600	- MODEL	3-CD	3-CD	3-CD	3-CD	
CARRIAGE POWER - LBS.	57500	57500	57600	57500	AIR BRAKE SCHED.	14-EL	14-EL	14-EL	14-EL	
- AT 3.8 MPH	57500	57500	57600	57500	WHEEL DIAMETER	40"	40"	40"	40"	
- AT 25 MPH	12200	12200	12200	12200	JOURNAL - SIZE	7 x 14	7 x 14	6-1/2 x 12	6-1/2 x 12	
- AT 35 MPH	8000	8000	8000	8000	- TYPE BEARINGS					
ENGINE-MAKE	ALCO	ALCO	ALCO	ALCO						
- MODEL										
- CYCLE	4	4	4	4						
- NO. CYLINDERS	6	6	6	6						
- DIA. X STROKE	12-1/2 x 13	12-1/2 x 13	12-1/2 x 13	12-1/2 x 13						
- HORSEPOWER	1000	1000	1000	1000						
- AT R.P.M.	740	740	740	740						
GOVERNOR - MAKE					CAPY. - FUEL OIL - GALS.	635	635	635	635	
- MODEL					- LUBE OIL - GALS.	80	80	80	80	
					- WATER - GALS.	240	240	240	240	
					- SAND - CU. FT.	27	27	27	27	

3 - 1	ENGINE NUMBERS	74 - 77			ENGINE NUMBERS	74 - 77			
	ENGINE CLASS	AS-10E			MAIN GENERATOR - MAKE	G. E.			
	DIAGRAM SHEET	3A			- MODEL	GT-553A			
	NO. OF LOCS.	4			AUX. GENERATOR - MAKE	G. E.			
	BUILDER	A. L. Co.			- MODEL	GMG-139			
	BUILDER NO.				TRACTION MOTOR - MAKE	G. E.			
	BUILDER MODEL	5-4			- NUMBER	4			
	YEAR BUILT	1953			- MODEL	731-D			
	WEIGHT ON DRIVERS	230700			- GEAR RATIO	75:16			
	WEIGHT ENGINE W.O.	230700			AIR COMPRESS. - MAKE	W. A. B.			
	WEIGHT ENGINE LIGHT	220300			- MODEL	3-CD			
	TRACTIVE POWER - LBS.	57700			AIR BRAKE SCHED.	14-EL			
	- AT 3.6 MPH	57700			WHEEL DIAMETER	40"			
	- AT 25 MPH	12200			JOURNAL - SIZE	6-1/2 x 12			
	- AT 35 MPH	6000			- TYE BEARINGS	PLAIN			
	ENGINE - MAKE	ALCO							
	- MODEL								
	- CYCLE	4							
	- NO. CYLINDERS	6							
	- DIA. X STROKE	12-1/2 x 13							
	- HORSEPOWER	1000							
	- AT R.P.M.	740							
	GOVERNOR - MAKE				COPY. - FUEL OIL - GALS.	635			
	- MODEL				- LUBE OIL - GALS.	80			
					- WATER - GALS.	240			
					- SAND - CU. FT.	27			

3 - 2	ENGINE NUMBERS	44, 45	59, 60	61	78-83	ENGINE NUMBERS	44, 45	59, 60	61	78-83
ENGINE CLASS	ASM-10A	ASM-10B	ASM-10C	ASM-10D	MAIN GENERATOR - MAKE	G. E.	G. E.	G. E.	G. E.	
TRACTION SHEET	3A	3A	3A	3A	- MODEL	GT-553A	GT-553A	GT-553A	GT-553A	
NO. OF LOCOM.	2	2	1	6	AUX. GENERATOR - MAKE	G. E.	G. E.	G. E.	G. E.	
BUILDER	A. L. Co.	A. L. Co.	A. L. Co.	A. L. Co.	- MODEL	GMC-139	GMC-139	GMC-139	GMC-139	
BUILDER NO.					TRACTION MOTOR - MAKE	G. E.	G. E.	G. E.	G. E.	
BUILDER MODEL	S-2	S-4	S-4	S-4	- NUMBER	4	4	4	4	
YEAR BUILT	1950	1951	1952	1953	- MODEL	731-D	731-D	731-D	731-D	
WEIGHT ON DRIVERS	231200	231200	230800	231100	- GEAR RATIO	75:16	75:16	75:16	75:16	
WEIGHT ENGINE W.O.	231200	231200	230800	231100	AIR COMPRESS. - MAKE	W. A. B.	W. A. B.	W. A. B.	W. A. B.	
WEIGHT ENGINE LIGHT	220800	220800	220400	220700	- MODEL	3-CD	3-CD	3-CD	3-CD	
INDICATED POWER - IBS.	57800	57800	57700	57800	AIR BRAKE SCHED.	14-EL	14-EL	14-EL	14-EL	
- AT 3.6 MPH	57800	57800	57700	57800	WHEEL DIAMETER	40" Tire	40"	40"	40"	
- AT 25 MPH	12200	12200	12200	12200	JOURNAL - SIZE	7 x 1 1/4	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	
- AT 35 MPH	8000	8000	8000	8000	- TYPE BEARINGS	PLAIN	PLAIN	PLAIN	PLAIN	
ENGINE - MAKE	ALCO	ALCO	ALCO	ALCO						
- MODEL										
- CYCLE	4	4	4	4						
- NO. CYLINDERS	6	6	6	6						
- DIA. X STROKE	12-1/2 x 13	12-1/2 x 13	12-1/2 x 13	12-1/2 x 13						
- HORSEPOWER	1000	1000	1000	1000						
- AT R.P.M.	740	740	740	740						
GOVERNOR - MAKE					CAPY. - FUEL OIL - GALS.	635	635	635	635	
- MODEL					- LUBE OIL - GALS.	80	80	80	80	
					- WATER - GALS.	240	240	240	240	
					- SAND - CU.FT.	27	27	27	27	

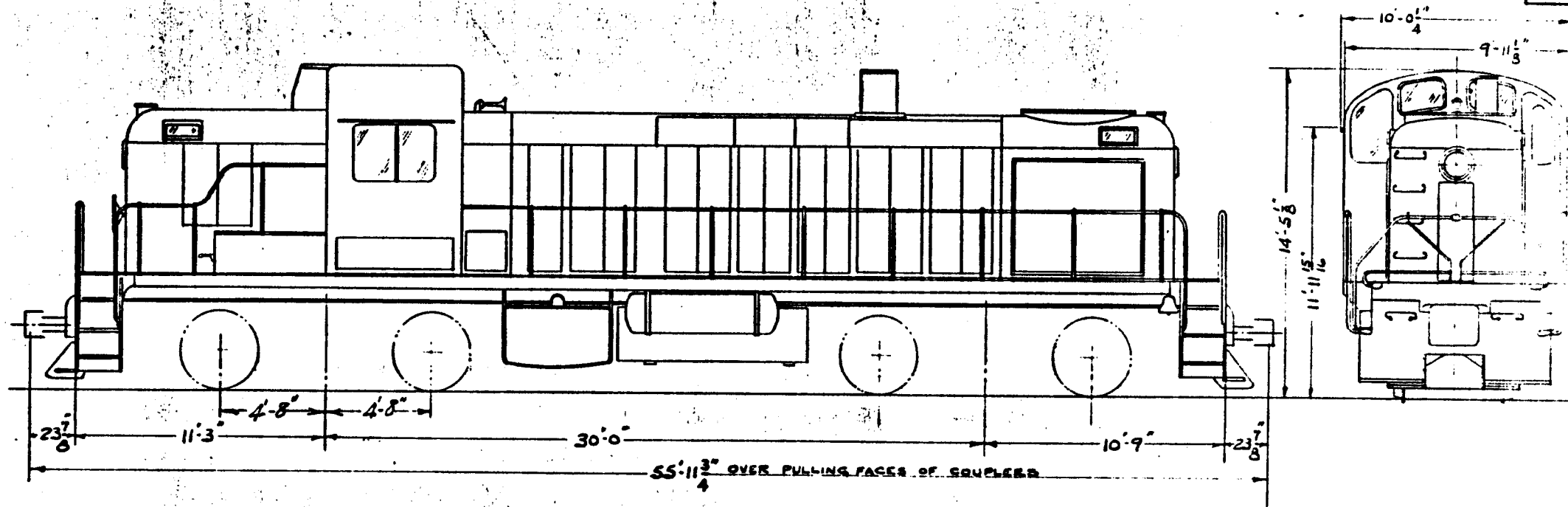


MAX. CURVE - 57°-18'

A. L. CO. 1000 H. P.  
CLASS AS-10, ASM-10



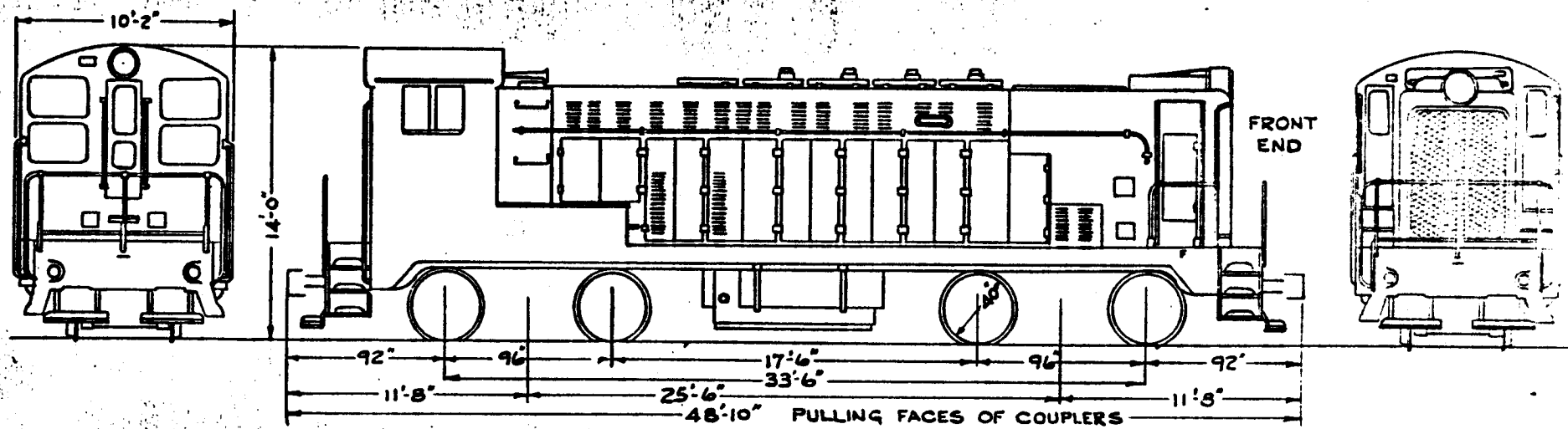
L	ENGINE NUMBERS	535-557				ENGINE NUMBERS	535-557			
ENGINE CLASS	ARS-16A					MAIN GENERATOR - MAKE	O.E.			
DIAGRAM SECT	4-A					- MODEL	GT-581			
NO. OF LOCOS.	23					AUX. GENERATOR - MAKE	O.E.			
BUILDER	ALCO					- MODEL	GX-27			
BUILDER NO.						TRACTION MOTOR - MAKE	O.E.			
BUILDER MODEL	RS-3					- NUMBER	4			
YEAR BUILT	1954					- MODEL	752			
WEIGHT ON DRIVERS	248,000					- GEAR RATIO	74.18			
WEIGHT ENGINE W.O.	248,000					AIR COMPRESS. - MAKE	W.A.B.			
WEIGHT ENGINE LIGHT	232,000					- MODEL	3-CDC			
TRACTIVE POWER - LBS.	62,100					AIR BRAKE SCHED.	6-SL			
- AT 3.8 MPH	62,100					WHEEL DIAMETER	40"			
- AT 25 MPH	20,000					JOURNAL - SIZE	6 $\frac{1}{2}$ " x 12"			
- AT 35 MPH	14,000					- TYPE BEARINGS	TIMKEN			
ENGINE - MAKE	ALCO					AIR SIGNAL EQUIP.	NONE			
- MODEL	Series 244									
- CYCLE	4									
- NO. CYLINDERS	12-V									
- DIA. X STROKE	9" x 10 $\frac{1}{2}$ "									
- HORSEPOWER	1600									
- AT R.P.M.	1000									
GOVERNOR - MAKE						CAPX. - FUEL OIL - GALS.	1400			
- MODEL						- LUBE OIL - GALS.	200			
						- WATER - GALS.	250			
						- SAND - CU. FT.	28			



MAXIMUM CURVE ENGINE ALONE -  $38^{\circ} - 12'$   
 IN TRAIN -  $21^{\circ}$

ALCO 1600 H.P.  
 CLASS ARS-16

5	ENGINE NUMBERS	100, 101				ENGINE NUMBERS	100, 101			
	ENGINE CLASS	BS-10A				MAIN GENERATOR - MAKE	W. E.			
	DEAGHAM SHEET	5A				- MODEL	480-D			
	NO. OF LOCS.	2				AUX. GENERATOR - MAKE	W. E.			
	BUILDER	BALDWIN				- MODEL	YG-40D			
	BUILDER NO.					TRACTION MOTOR - MAKE	W. E.			
	BUILDER MODEL					- NUMBER	4			
	YEAR BUILT	1947				- MODEL	362-D			
	WEIGHT ON DRIVERS	243800				- GEAR RATIO	14:68			
	WEIGHT ENGINE W.O.	243800				AIR COMPRESS. - MAKE	W. A. B.			
	WEIGHT ENGINE LIGHT	232000				- MODEL	3-CD			
	REACTIVE POWER - LBS.	61000				AIR BRAKE SCHED.	14-EL			
	- AT 3.6 MPH	52000				WHEEL DIAMETER	40"			
	- AT 25 MPH	12500				JOURNAL - SIZE	6-1/2 x 12			
	- AT 35 MPH	9000				- TYPE BEARINGS	PLAIN			
	ENGINE - MAKE	BALDWIN								
	- MODEL	608-NA								
	- CYCLE	4								
	- NO. CYLINDERS	8								
	- DIA. X STROKE	12-3/4 x 15-1/2								
	- HORSEPOWER	1000								
	- AT R.P.M.	625								
	GOVERNOR - MAKE					CAPY. - FUEL OIL - GALS.	700			
	- MODEL					- LUBE OIL - GALS.	135			
						- WATER - GALS.	300			
						- SAND - CU. FT.	30			

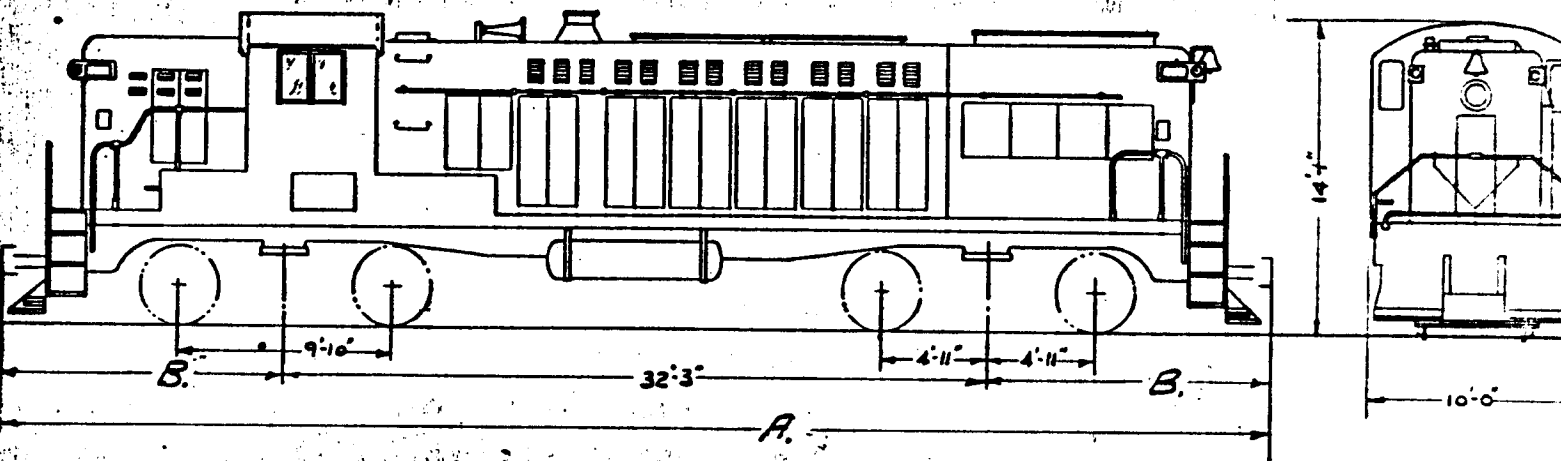


MAX. CURVE - 44°

BALDWIN 1000 H.P.  
CLASS BS-10

	ENGINE NUMBERS	320, 321	322, 323			ENGINE NUMBERS	320, 321	322, 323		
ENGINE CLASS	BARS-18A		BERS-17A			GOVERNOR - MAKE	G.E.	Woodward		
FRAMMAL SHEET	6A		6A			- MODEL	17M18A1	FD		
NO. OF LOGS.	2		2			MAIN GENERATOR - MAKE	G.E.	E.M.D.		
BUILDER	B-L-H		B-L-H			- MODEL	50T581C1	D-12-C		
BUILDER NO.	75943, 75944		76028, 76029			AUX. GENERATOR - MAKE	G.E.	E.E.D.		
BUILDER MODEL	AS-16		AS-16			- MODEL	50Y27A3	A-7159-A2.		
YEAR BUILT	1953		1954			TRACTION MOTOR - MAKE	Westinghse.	Westinghse.		
YEAR REFORMED	1959		1959			- NUMBER	374	374		
REFORMED BY	Alco Prod.		E.M.D.			- MODEL	370-DEZ	370-DEZ		
SERIAL NUMBER	75943, 75944		76028, 76029			- GEAR RATIO	15-68	15-68		
WEIGHT ON DRIVERS	251,000		257,000			AIR COMPRESS. - MAKE	Westinghse.	Westinghse.		
WEIGHT ENGINE W.G.	251,000		257,000			- MODEL	3-CDC	3-CD		
WEIGHT ENGINE LIGHT	233,000		239,000			AIR BRAKE SCHED.	6SL	6SL		
TRACTIVE POWER - LBS.	62,650		64,250			WHEEL DIAMETER	42"	42"		
- AT 3.8 MPH						JOURNAL - SIZE	6-1/2" x 12"	6-1/2" x 12"		
- AT 25 LPH						- TYPE BEARINGS	TIMKEN	TIMKEN		
- AT 35 LPH						AIR SIGNAL EQUIP.	NONE	NONE		
ENGINE - MAKE	Alco		E.M.D.							
- MODEL	251-B		16-567C							
- CYCLE	4		2							
- NO. CYLINDERS	12		16							
- DIA. X STROKE	9" x 10 1/2"		8 1/2" x 10"							
- HORSEPOWER	1800		1750			CAPT. - FUEL OIL - GALS.	1600	1600		
- AT R.P.M.	1000		835			- LUBE OIL - GALS.	200	200		
						- WATER - GALS.	250	227		
						- SAND - CU.FT.	30	30		

ENGINES	A.	B.
320, 321	58'-5 $\frac{1}{2}$ "	13'-1 $\frac{1}{2}$ "
322, 323	58'-0"	12'-10 $\frac{1}{2}$ "

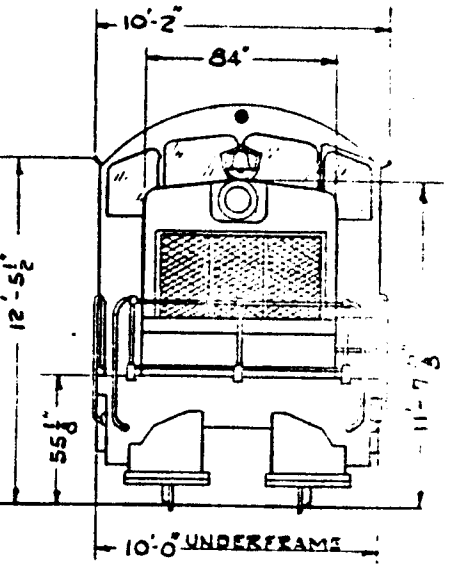
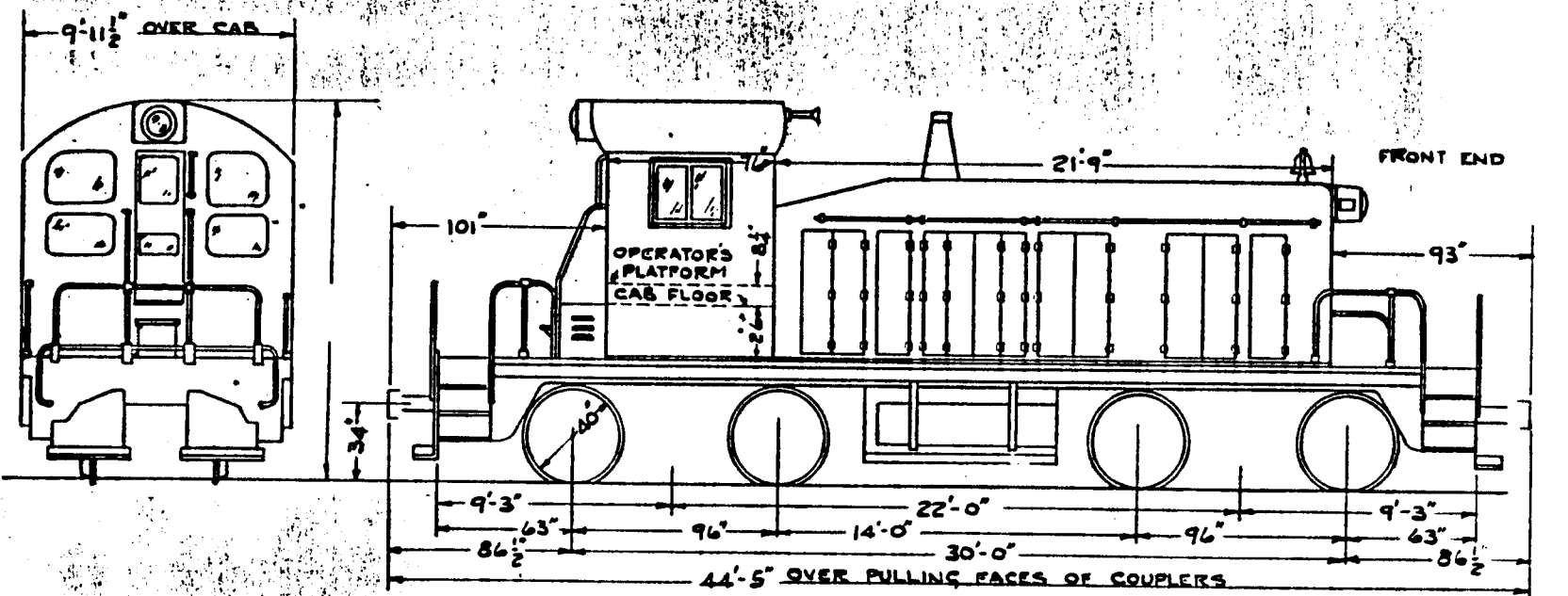


MAX. CURVE - SINGLE -  $30^\circ$

MAX. CURVE - MULTIPLE -  $22^\circ$

BARS - 18A - 1800 H.P.  
BERS - 17A - 1750 H.P.

7	ENGINE NUMBERS	105, 106				ENGINE NUMBERS	105, 106			
	ENGINE CLASS	ES-6A				MAIN GENERATOR - MAKE	EMD			
	PROGRAM SHEET	7A				- MODEL	D-15-C			
	NO. OF LOCOS.	2				AUX. GENERATOR - MAKE	EMD			
	FILTER	EMD				- MODEL	A-7159			
	FILTER NO.	6213				TRACTION MOTOR - MAKE	EMD			
	- FILTER MODEL	SW-1				- NUMBER	4			
	YEAR BUILT	1951				- MODEL	D-27-B			
	WEIGHT ON DRIVERS	197000				- GEAR RATIO	62:15			
	WEIGHT ENGINE W.O.	197000				AIR COMPRESS. - MAKE	GARDNER			
	WEIGHT ENGINE LIGHT	187900				- MODEL	WXE-8033			
	TRACTIVE POWER - LBS.	49300				AIR BRAKE SCHED.	6-BL			
	- AT 3.8 MPH	41000				WHEEL DIAMETER	40"			
	- AT 25 MPH	8000				JOURNAL - SIZE	6-1/2 x 12			
	- AT 35 MPH	5000				- TYPE BEARINGS	PLAIN			
	ENGINE - MAKE	EMD								
	- MODEL	6-567A								
	- CYCLE	2								
	- NO. CYLINDERS	6								
	- DIA. X STROKE	8-1/2 x 10								
	- HORSEPOWER	600								
	- AT R.P.M.	800								
	GOVERNOR - MAKE					CAPY. - FUEL OIL - GALS.	600			
	- MODEL					- LUBE OIL - GALS.	124			
						- WATER - GALS.	151			
						- SAND - CU.FT.	28			

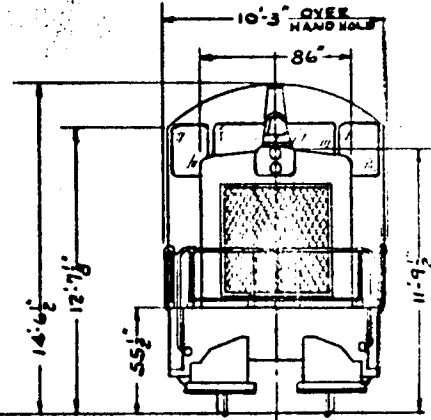
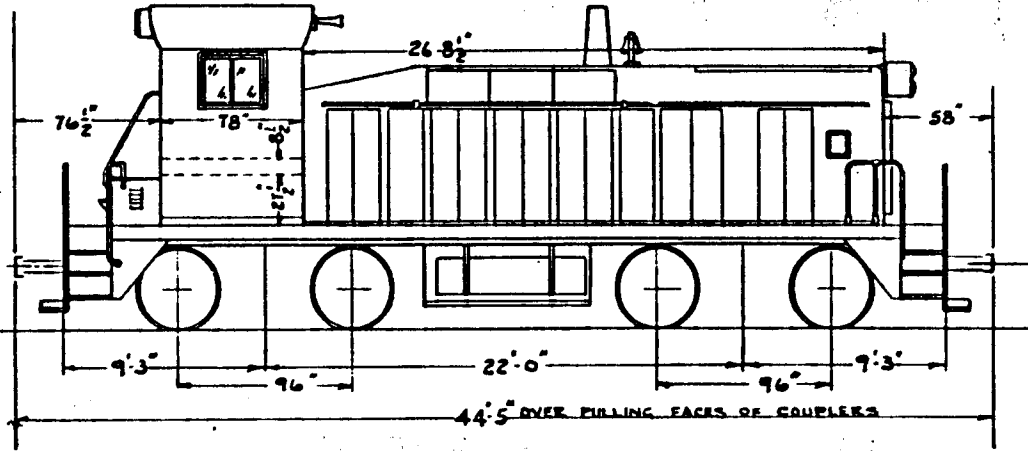
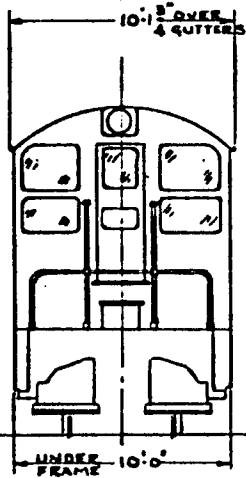


MAX. CURVE 57'-18'

E.M.D. 600 H.P.  
CLASS ES-6



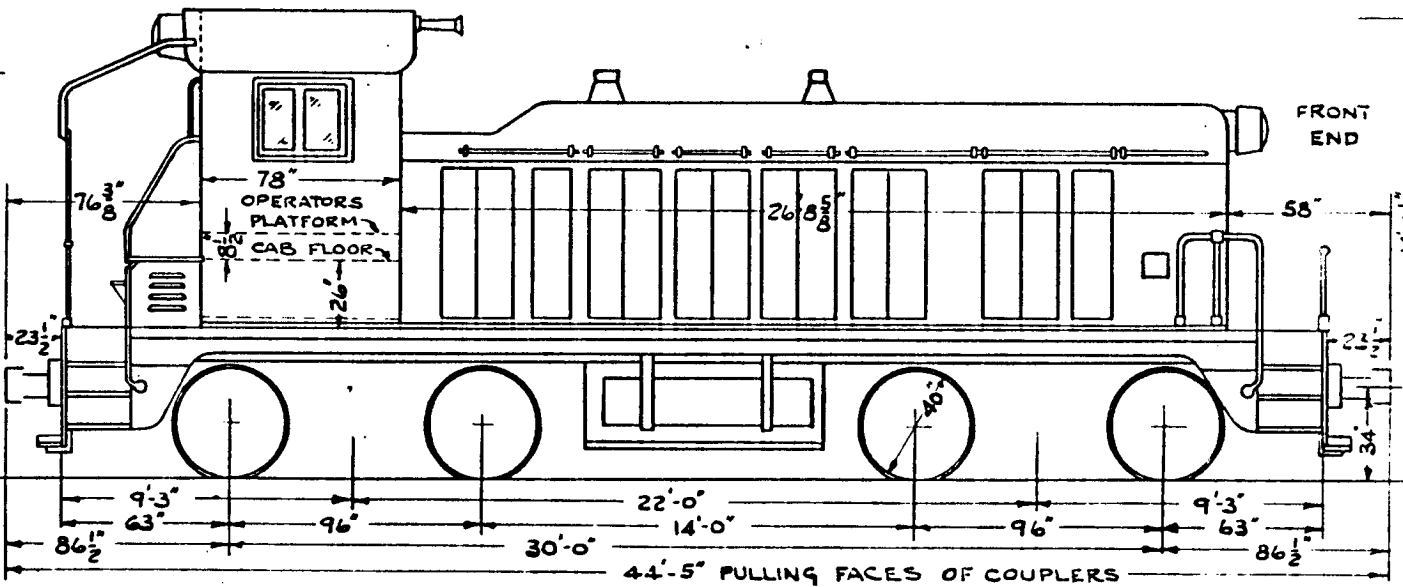
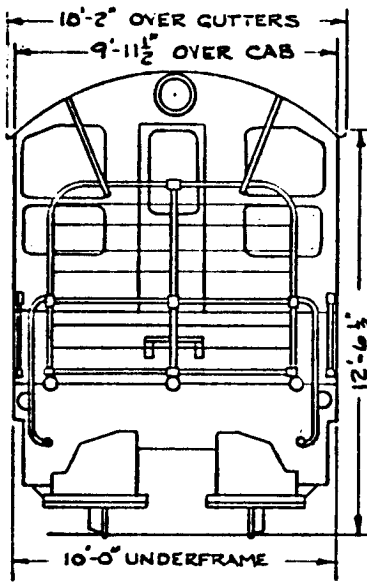
ENGINE CLASS	ES-8A	ENGINE NUMBERS	107-114
DIAGRAM SHEET	8A	MAIN GENERATOR - MAKE	EMD
NO. OF LOCOMOTIVES	8	- MODEL	D-15-C
BUILDER	EMD	AUX. GENERATOR - MAKE	EMD
BUILDER NO.	4139	- MODEL	A-7159
BUILDER MODEL	SV-8	TRACTION MOTOR - MAKE	EMD
YEAR BUILT	1952	- NUMBER	4
WEIGHT ON DRIVERS	230500	- MODEL	D-27-B
WEIGHT ENGINE W.O.	230500	- GEAR RATIO	62:15
WEIGHT ENGINE LIGHT	221000	AIR COMPRESS. - MAKE	GARDNER
TRACTIVE POWER - LBS.	57600	- MODEL	WYE-8037
- AT 3.8 MPH	50000	AIR BRAKE SCHED.	6-BL
- AT 25 MPH	11000	WHEEL DIAMETER	40"
- AT 35 MPH	6000	JOURNAL - SIZE	6-1/2 x 12
ENGINE - MAKE	EMD	- TYPE BEARINGS	PLAIN
- MODEL	8-567-B		
- CYCLE	2		
- NO. CYLINDERS	8		
- DIA. X STROKE	8-1/2 x 10		
- HORSEPOWER	800		
- AT R.P.M.	800		
GOVERNOR - MAKE		CAPY. - FUEL OIL - GALS.	600
- MODEL		- LUBE OIL - GALS.	145
		- WATER - GALS.	190
		- SAND - CU.FT.	28



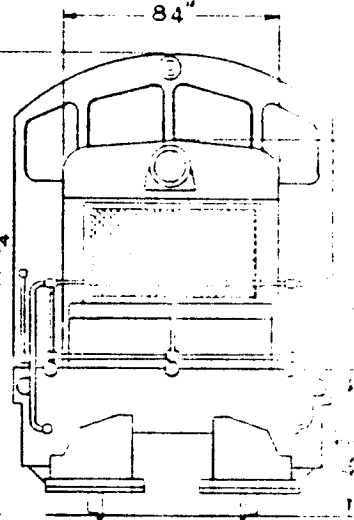
MAX. CURVE 57° - 18'

E.M.D. 800 H P  
CLASS ES - 8

9	ENGINE NUMBERS	95-98	7-10	11-14 17-22	15, 16	ENGINE NUMBERS	95-98	7-10	11-14 17-22	15, 16
ENGINE CLASS	ES-10A	ES-10A	ES-10B	ES-10C	ES-10C	MAIN GENERATOR - MAKE	EMD	EMD	EMD	EMD
PROGRAM SHEET	9A	9A	9A	9A	9A	- MODEL	D-4	D-4-D	D-4-D	D-4-D
NO. OF LOCOS.	4	4	10	2	2	AUX. GENERATOR - MAKE	EMD	EMD	EMD	EMD
NUMBER	EKD	EMD	EMD	EMD	EMD	- MODEL	A-3001	A-7159	A-7159	A-7159
BUILDER NO.	E-494	E-494	E-854	E-854	E-854	TRACTION MOTOR - MAKE	EMD	EMD	EMD	EMD
BUILDER MODEL	NW-2	NW-2	NW-2	NW-2	NW-2	- NUMBER	4	4	4	4
YEAR BUILT	1940, 1941	1942	1947	1947	1947	- MODEL	D-7-C	D-7-C	D-17-B	D-17-B
WEIGHT ON DRIVERS	24550	24764	24764	250400	250400	- GEAR RATIO	62:15	62:15	62:15	62:15
WEIGHT ENGINE W.O.	24550	24764	24764	250400	250400	AIR COMPRESS. - MAKE	GARDNER	GARDNER	GARDNER	GARDNER
WEIGHT ENGINE LIGHT	23870	243000	243000	241470	241470	- MODEL	WXE	WXE	WXE-8024	WXE-8024
COMPLIANCE W. - LBS.	62100	61900	61900	62600	62600	AIR BRAKE SCHED.	14-EL	14-EL	14-EL	14-EL
- AT 5.8 MPH	62100	61900	61900	62600	62600	WHEEL DIALETER	40"	40"	40"	40"
- AT 25 MPH	12700	12700	12700	12700	12700	JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12
- AT 35 MPH	5500	5500	5500	5500	5500	- TYPE BEARINGS	TAPER	PLAIN	PLAIN	PLAIN
ENGINE - MAKE	EMD	EMD	EMD	EMD	EMD	DUAL TRAIN CONTROL	NO	NO	NO	YES
- MODEL	12-567	12-567	12-567	12-567	12-567	2-WAY RADIO	NO	NO	NO	YES
- CYCLE	2	2	2	2	2					
- NO. CYLINDERS	12	12	12	12	12					
- DIA. X STROKE	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10					
- HORSEPOWER	1000	1000	1000	1000	1000					
- AT R.P.M.	800	800	800	800	800					
GOVERNOR - MAKE						CAPY. - FUEL OIL - GALS.	600	600	600	600
- MODEL						- LUBE OIL - GALS.	130	100	100	100
						- WATER - GALS.	200	195	195	195
						- SAND - CU.FT.	28	28	28	28



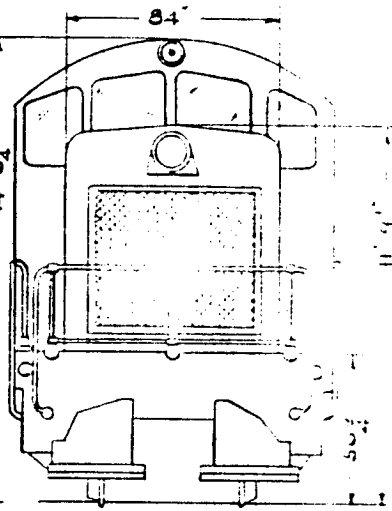
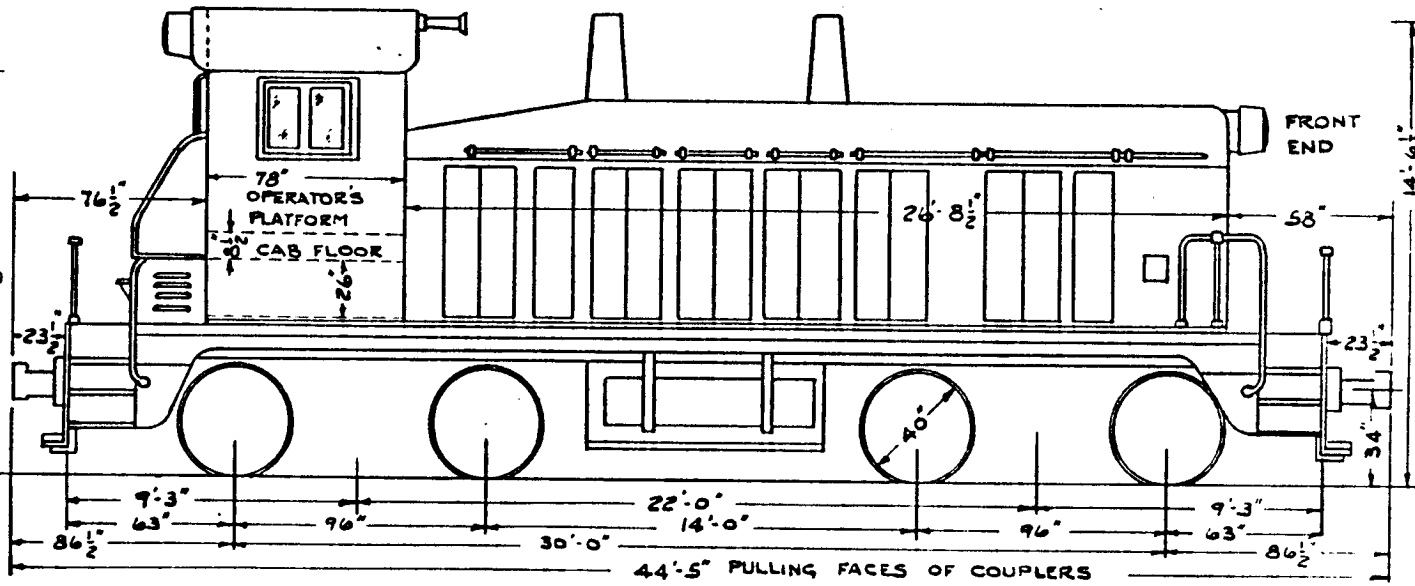
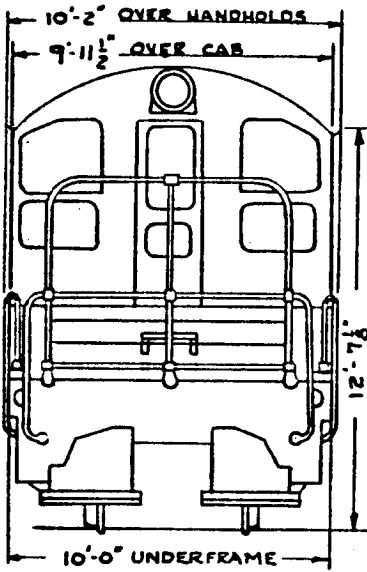
FRONT END



MAX. CURVE 57'-18'

E.M.D. 1000 H.P.  
CLASS ES-1C

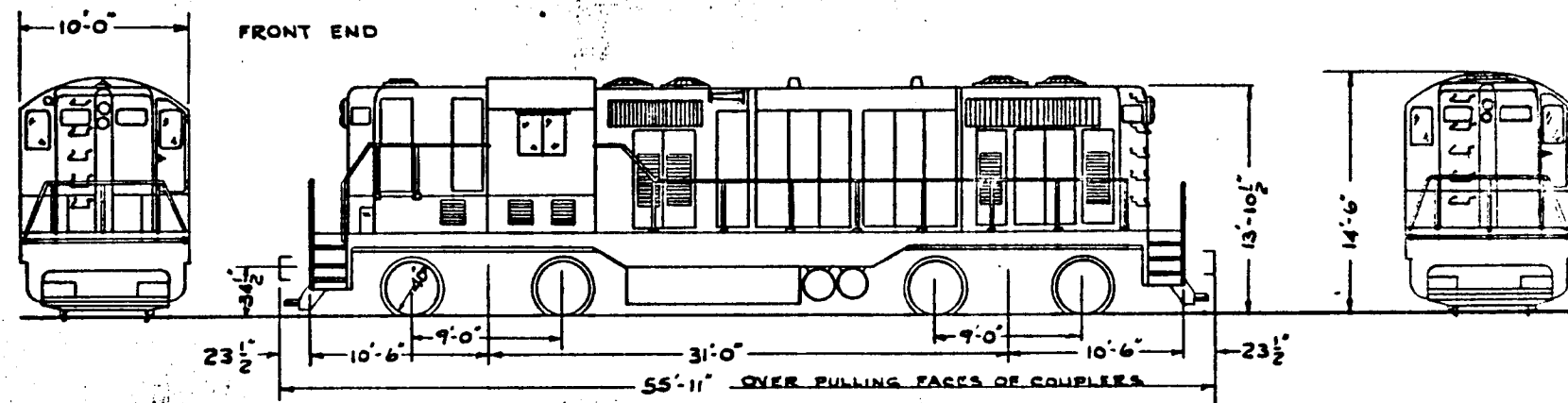
NO	ENGINE NUMBERS	230-232	233-237	238-244	ENGINE NUMBERS	230-232	233-237	238-244
ENGINE CLASS	ES-12A	ES-12A	ES-12B	ES-12C	MAIN GENERATOR - MAKE	EMD	EMD	EMD
FORM SHEET	10A	10A	10A	10A	- MODEL	D-15-C	D-15-C	D-15-C
NO. OF LOCOM.	3	5	7	7	AUX. GENERATOR - MAKE	EMD	EMD	EMD
BUILDER	EMD	EMD	EMD	EMD	- MODEL	A-7159	A-7159	A-7159
BUILDER NO.	6139	6236	4175	4175	TRACTION MOTOR - MAKE	EMD	EMD	EMD
BUILDER MODEL	SW-7	SW-9	SW-9	SW-9	- NUMBER	4	4	4
YEAR BUILT	1950	1951	1952	1952	- MODEL	D-27-B	D-27-B	D-27-B
WEIGHT ON DRIVERS	246800	246800	246800	246800	- GEAR RATIO	62:15	62:15	62:15
WEIGHT ENGINE W.C.	246800	246800	246800	246800	AIR COMPRESS. - MAKE	GARDNER	GARDNER	GARDNER
WEIGHT ENGINE LIGHT	237000	237000	237000	237000	- MODEL	WXE-8033	WXE-8034	WXE-8037
INDICATED POWER - LBS.	61700	61700	61700	61700	AIR BRAKE SCHED.	6-BL	6-BL	6-BL
- AT 3.8 MPH	61700	61700	61700	61700	WHEEL DIAMETER	40"	40"	40"
- AT 25 MPH	14000	14000	14000	14000	JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12
- AT 35 MPH	6600	6600	6600	6600	- TYPE BEARINGS	PLAIN	PLAIN	PLAIN
WARRANT - MAKE	EMD	EMD	EMD	EMD				
- MODEL	12-567-A	12-567-B	12-567-B	12-567-B				
- CYCLE	2	2	2	2				
- NO. CYLINDERS	12	12	12	12				
- DIA. X STROKE	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10				
- HORSEPOWER	1200	1200	1200	1200				
- AT R.P.M.	600	800	800	800				
COMPRESSOR - MAKE					CAPY. - FUEL OIL - GALS.	600	600	600
- MODEL					- LUBE OIL - GALS.	165	165	165
					- WATER - GALS.	223	223	223
					- SAND - CU.FT.	28	28	28



MAX. CURVE 57°-18'

E.M.D. 1200 H.P.  
CLASS ES-12

11	ENGINE NUMBERS	422,423,425-430 432-438,440 441,443,444 446,447				420	424,431, 439,442 445		ENGINE NUMBERS	422,423,425-430 432-438,440 441,443,444 446,447			
		400-412	413-419 421-422	ERS-15A	ERS-15B		ERS-15C	ERS-15D		ERS-15C	400-412	413-419 421-422	ERS-15A
ENGINE CLASS	ERS-15A	ERS-15B	ERS-15C	ERS-15D	ERS-15C	ERS-15C	ERS-15C	MAIN GENERATOR - MAKE	EMD	EMD	EMD	EMD	EMD
- MODEL	D-12-B	D-12-B	D-12-B	D-12-B	D-12-B	D-12-B	D-12-B	- MODEL	D-12-B	D-12-B	D-12-B	D-12-B	D-12-B
AUX. GENERATOR - MAKE	EMD	EMD	EMD	EMD	EMD	EMD	EMD	AUX. GENERATOR - MAKE	EMD	EMD	EMD	EMD	EMD
- MODEL	A-7159	A-7159	A-7159	A-7159	A-7159	A-7159	A-7159	- MODEL	A-7159	A-7159	A-7159	A-7159	A-7159
TRACTION MOTOR - MAKE	EMD	EMD	EMD	EMD	EMD	EMD	EMD	TRACTION MOTOR - MAKE	EMD	EMD	EMD	EMD	EMD
- NUMBER	4	4	4	4	4	4	4	- NUMBER	4	4	4	4	4
- MODEL	D-27-B	D-27-B	D-27-B	D-27-B	D-27-B	D-27-B	D-27-B	- MODEL	D-27-B	D-27-B	D-27-B	D-27-B	D-27-B
- GEAR RATIO	62:15	62:15	62:15	62:15	62:15	62:15	62:15	- GEAR RATIO	62:15	62:15	62:15	62:15	62:15
AIR COMPRESS. - MAKE	GARDNER	GARDNER	GARDNER	GARDNER	GARDNER	GARDNER	GARDNER	AIR COMPRESS. - MAKE	GARDNER	GARDNER	GARDNER	GARDNER	GARDNER
- MODEL	WXE-8031	WXE-8035	WXE-8038	WXE-8038	WXE-8038	WXE-8038	WXE-8038	- MODEL	WXE-8031	WXE-8035	WXE-8038	WXE-8038	WXE-8038
AIR BRAKE SCHED.	6-BL	6-BL	6-BL	6-BL	6-BL	6-BL	6-BL	AIR BRAKE SCHED.	6-BL	6-BL	6-BL	6-BL	6-BL
WHEEL DIAMETER	40"	40"	40"	40"	40"	40"	40"	WHEEL DIAMETER	40"	40"	40"	40"	40"
JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12	6-1/2 x 12
- TYPE BEARINGS	HYATT	HYATT	HYATT	HYATT	HYATT	HYATT	HYATT	- TYPE BEARINGS	HYATT	HYATT	HYATT	HYATT	HYATT
AIR SIGNAL EQUIP.	WITH	WITH	WITH	WITH	WITH	WITH	WITH	AIR SIGNAL EQUIP.	WITH	WITH	WITH	WITH	WITH
ENGINE - MAKE	EMD	EMD	EMD	EMD	EMD	EMD	EMD	ENGINE - MAKE	EMD	EMD	EMD	EMD	EMD
- MODEL	16-567-B	16-567-B	16-567-B	16-567-B	16-567-B	16-567-B	16-567-B	- MODEL	16-567-B	16-567-B	16-567-B	16-567-B	16-567-B
- CYCLE	2	2	2	2	2	2	2	- CYCLE	2	2	2	2	2
- NO. CYLINDERS	16	16	16	16	16	16	16	- NO. CYLINDERS	16	16	16	16	16
- DIA. X STROKE	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	- DIA. X STROKE	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10	8-1/2 x 10
- HORSEPOWER	1500	1500	1500	1500	1500	1500	1500	- HORSEPOWER	1500	1500	1500	1500	1500
- AT R.P.M.	800	800	800	800	800	800	800	- AT R.P.M.	800	800	800	800	800
GOVERNOR - MAKE								GOVERNOR - MAKE					
- MODEL								- MODEL					
CAPT. - FUEL OIL - GALS.	800	800	800	800	800	800	800	CAPT. - FUEL OIL - GALS.	800	800	800	800	1500
- LUBE OIL - GALS.	200	200	200	200	200	200	200	- LUBE OIL - GALS.	200	200	200	200	200
- WATER - GALS.	230	230	230	230	230	230	230	- WATER - GALS.	230	230	230	230	230
- SAND - CU.FT.	18	18	18	18	18	18	18	- SAND - CU.FT.	18	18	18	18	18

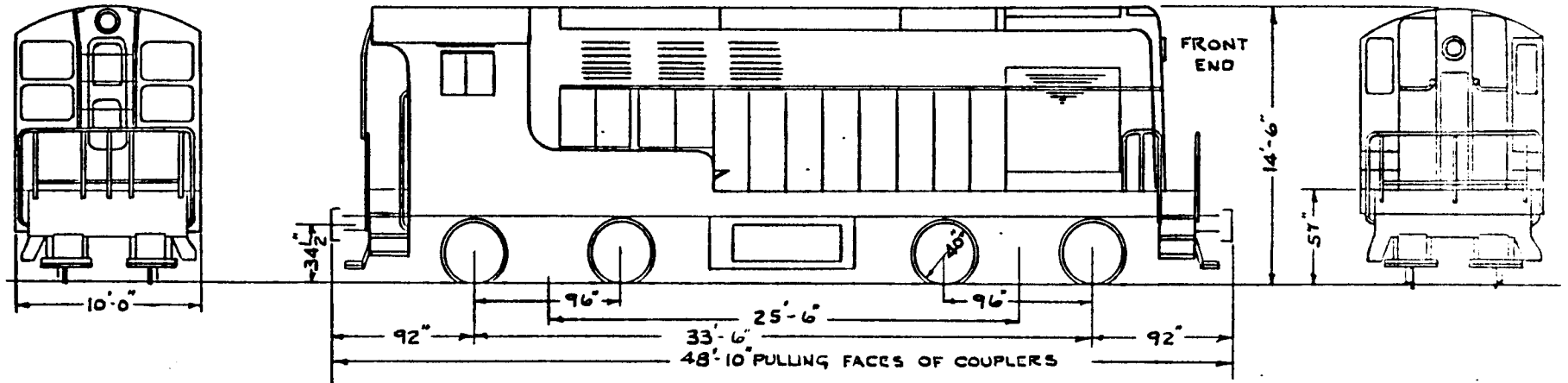


MAX. CURVE - SINGLE - 39°  
 MAX. CURVE - MULTIPLE - 21°

E.M.D. 1500 H.P.  
 CLASS ERS - 15

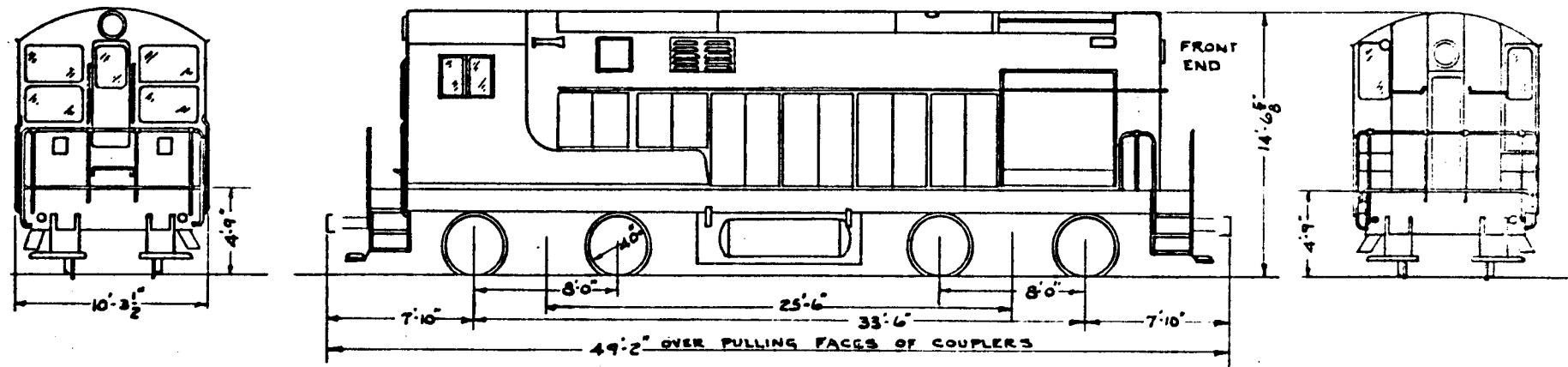


12	ENGINE NUMBERS	125-133	134-138	139-145	146-155	ENGINE NUMBERS	125-133	134-138	139-145	146-155
ENGINE CLASS		FS-10A	FS-12A	FS-12B	FS-12C	MAIN GENERATOR - MAKE	F - M	F - M	F - M	F - M
PROGRAM SHEET		12A	12B	12C	12C	- MODEL	DGZJ	DGZJ	DGZJ	FGZJ
NO. OF LOCOS.		9	5	7	10	AUX. GENERATOR - MAKE	F - M	F - M	F - M	F - M
BUILDER		F - M	F - M	F - M	F - M	- MODEL	DGZD	DGZD	DGZD	FGZD
BUILDER NO.		LD-67	LD-143	LD-206	LD-215	TRACTION MOTOR - MAKE	F - M	F - M	F - M	F - M
BUILDER MODEL				H12-44	H12-44	- NUMBER	4	4	4	4
YEAR BUILT		1949	1953	1957	1958	- MODEL	1815-D	DRZH	DRZH.	DRZH
WEIGHT ON DRIVERS		246940	248000	246700	244360	- GEAR RATIO	68:14	68:14	68:14	68:14
WEIGHT ENGINE W.O.		246940	248000	246700	244360	AIR COMPRESS. - MAKE	W. A. B.	W. A. B.	W.A.B.	W. A. B.
WEIGHT ENGINE LIGHT		235310	236350	235200	232900	- MODEL	3-CD	3-CD	3-CD	3-CD
TRACTIVE POWER - LBS.		61700	62000	61700	61090	AIR BRAKE SCHED.	14-SL	6-SL	6-SL	6-SL
- AT 3.8 MPH		61700	62000	61700	61090	WHEEL DIAMETER	40"	40"	40"	40"
- AT 25 MPH		12000	15250	15250	15250	JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12	6-1/2" x 12"	6-1/2 x 12"
- AT 35 MPH		8500	10750	10750	10750	- TYPE BEARINGS	PLAIN	PLAIN	PLAIN	Plain
ENGINE - MAKE		F - M	F - M	F - M	F - M					
- MODEL		38-D	38-D	38-D	38D8 1/8					
- CYCLE		2	2	2	2					
- NO. CYLINDERS		6 O.P.	6 O.P.	6 O.P.	6 O.P.					
- DIA. X STROKE		8-1/8 x 10	8-1/8 x 10	8-1/8 x 10	8-1/8 x 10					
- HORSEPOWER		1000	1200	1200	1200					
- AT R.P.M.		800	850	850	850					
GOVERNOR - MAKE						CAPY. - FUEL OIL - GALS.	750	750	750	750
- MODEL						- LUBE OIL - GALS.	140	250	250	250
						- WATER - GALS.	100	135	135	135
						- SAND - CU.FT.	28	28	28	28



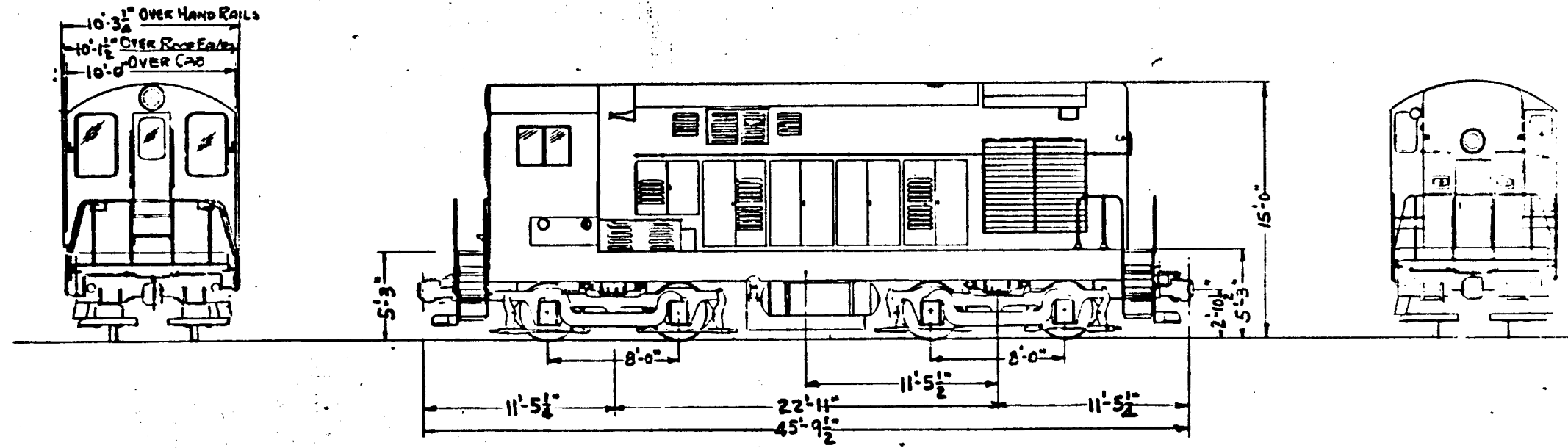
MAX. CURVE 57°-18'

F-M. 1000 H.P.  
CLASS FS - 10



MAX. CURVE 29°-5' WITH 40'-6" CAR.  
 MAX. CURVE 57° SINGLE UNIT.

F-M 1200 HP  
 CLASS FS-12



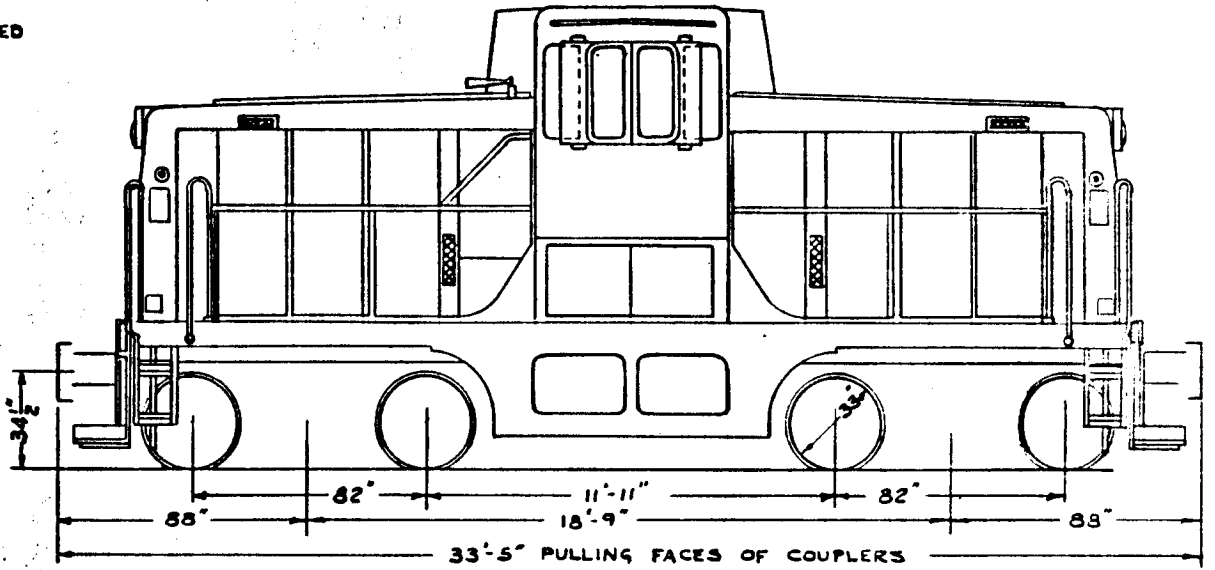
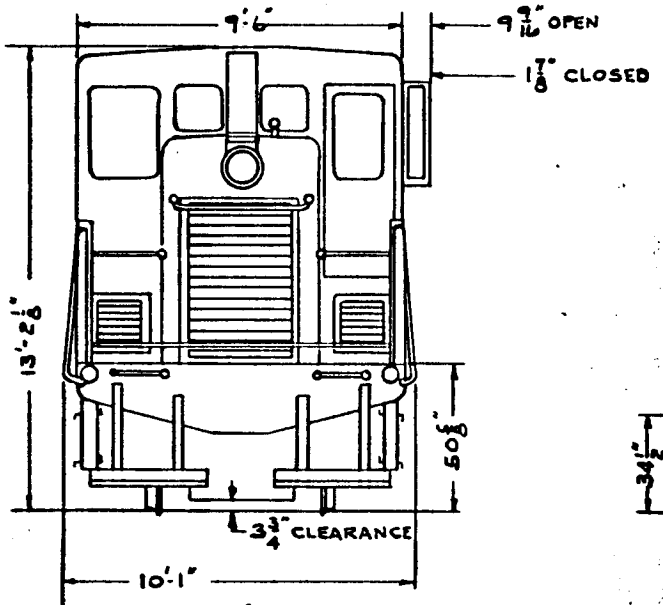
MAX. CURVE 29°-5' WITH 40'-6" CAR  
 MAX. CURVE 57° SINGLE UNIT

F-M CLASS 1200 H.P.  
 FS-12

CLASS - GS-4

37

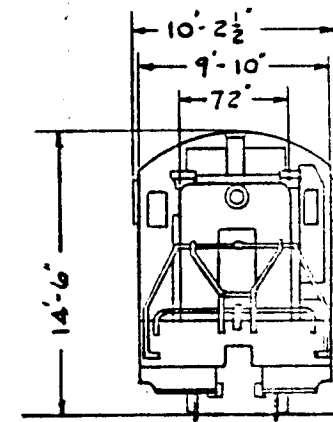
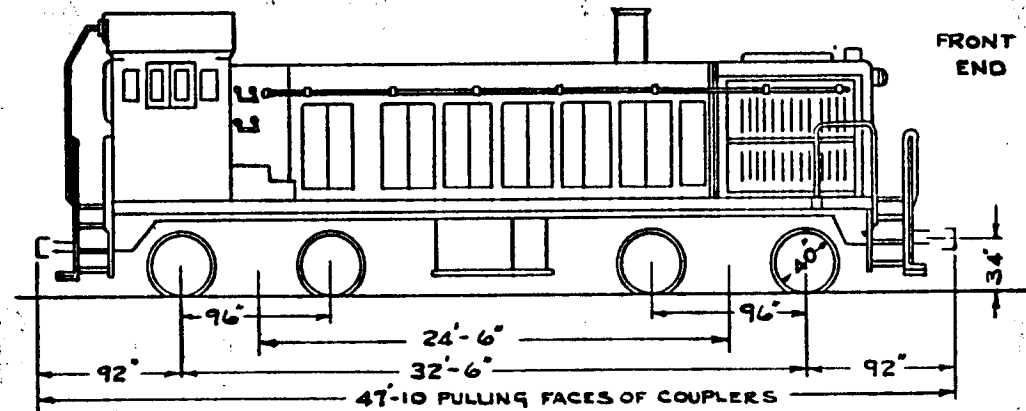
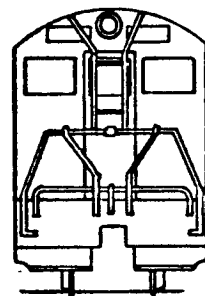
13	ENGINE NUMBERS	90				ENGINE NUMBERS	90			
	ENGINE CLASS	GS-4A				MAIN GENERATOR - MAKE	G. E.			
	ENGINE SHEET	13A				- MODEL	GT-555			
	NO. OF LOCCS.	1				AUX. GENERATOR - MAKE	G. E.			
	BUILDER	G. E.				- MODEL	GMD-140			
	BUILDER NO.	30249				TRACTION MOTOR - MAKE	G. E.			
	BUILDER MODEL					- NUMBER	4			
	YEAR BUILT	1949				- MODEL	733			
	WEIGHT ON DRIVERS	88000				- GEAR RATIO				
	WEIGHT ENGINE W.O.	88000				AIR COMPRESS. - MAKE	GARDNER			
	WEIGHT ENGINE LIGHT	84000				- MODEL	ADS			
	INDICATED POWER - LBS.	22000				AIR BRAKE SCHED.	14-EL			
	- AT 3.8 MPH	22000				WHEEL DIAMETER	33"			
	- AT 25 MPH	4000				JOURNAL - SIZE	5 x 9			
	- AT 35 MPH	2500				- TYPE BEARINGS	PLAIN			
	ENGINE - MAKE	CATIPILAR								
	- MODEL	D-17000								
	- CYCLE	4								
	- NO. CYLINDERS	16								
	- DIA. X STROKE	5-3/4 x 8								
	- HORSEPOWER	350								
	- AT R.P.M.	1000								
	GOVERNOR - MAKE					COPY. - FUEL OIL - GALS.	250			
	- MODEL					- LUBE OIL - GALS.	50			
						- WATER - GALS.	40			
						- SAND - CU.FT.	8			



MAX. CURVE 114° - 36'

GE. 380 H P  
CLASS GS - +

LL	ENGINE NUMBERS	305-308	309-312			ENGINE NUMBERS	305-308	309-312		
ENGINE CLASS		LS-10A	LS-12A			MAIN GENERATOR - MAKE	W. E.	W. E.		
DIAGRAM SHEET		11A	11A			- MODEL	499-A	499-A		
NO. OF LOCCOS.		4	4			AUX. GENERATOR - MAKE	W. E.	W. E.		
BUILDER		LIMA-H.	LIMA-H.			- MODEL	YG-36A	YG-36A		
BUILDER NO.						TRACTION MOTOR - MAKE	W. E.	W. E.		
BUILDER MODEL						- NUMBER	4	4		
YEAR BUILT		1949	1950			- MODEL	362-D	362-DF		
WEIGHT ON DRIVERS		238260	248000			- GEAR RATIO	14:68	14:68		
WEIGHT ENGINE W.O.		238260	248000			AIR COMPRESS. - MAKE	GARDNER	GARDNER		
WEIGHT ENGINE LIGHT		227590	237300			- MODEL	WXD-9100	WXD-9100		
TRACTIVE POWER - LBS.		59600	62000			AIR BRAKE SCHED.	14-EL	6-SL		
- AT 3.8 MPH		59600	62000			WHEEL DIAMETER	40"	40"		
- AT 25 MPH		12500	15000			JOURNAL - SIZE	6-1/2 x 12	6-1/2 x 12		
- AT 35 MPH		8500	8500			- TYPE BEARINGS	PLAIN	PLAIN		
ENGINE - MAKE		HAMILTON	HAMILTON							
- MODEL		T-89-SA	T-89-SA							
- CYCLE		4	4							
- NO. CYLINDERS		8	8							
- DIA. X STROKE		9 x 12	9 x 12							
- HORSEPOWER		1000	1200							
- AT R.P.M.		950	950							
GOVERNOR - MAKE		WOODARD	WOODARD			CAPY. - FUEL OIL - GALS.	600	600		
- MODEL		PG-360071				- LUBE OIL - GALS.	145	145		
						- WATER - GALS.	225	225		
						- SAND - CU.FT.	30	30		



MAX. CURVE - 76° - 24'

LIMA-1000-H.P., 1200 H.P.  
CLASS LS-10, LS-12



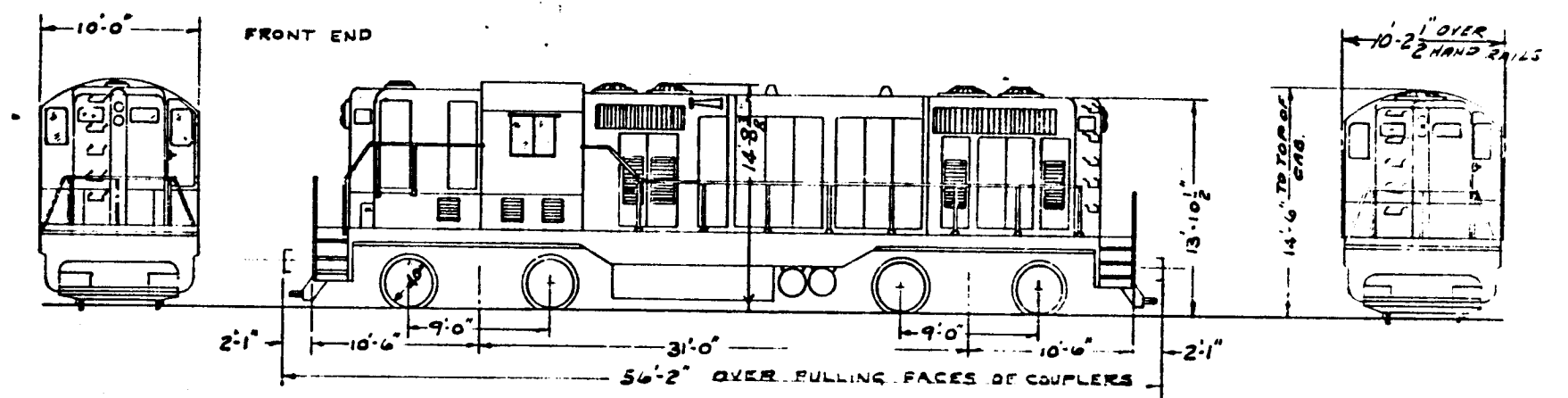
15	ENGINE NUMBERS	448-476	477-479	480-483	484-485	ENGINE NUMBERS	448-476	477-479	480-483	484-485
ENGINE CLASS	ERS-17A	ERS-17B	ERS-17C	ERS-17D	ERS-17E	MAIN GENERATOR-MAKE	EMD	EMD	EMD	EMD
DINCHAM SHEET	15A	15A	15A	15A	15A	-MODEL	D-12-B	D-12-B	D-12-B	D-12-B
NO. OF LOCOS.	29	3	4	2	2	AUG. GENERATOR-MAKE	EMD	EMD	EMD	EMD
ENGINEER	EMD	EMD	EMD	EMD	EMD	-MODEL	A-7159-A1	A-8102-A1	A-8102-A1	A-8102-A1
ENGINEER NO.	5396	5397	5463	5464	5464	TRACTION MOTOR-MAKE	EMD	EMD	EMD	EMD
ENGINEER MODEL	GP-9	GP-9	GP-9	GP-9	GP-9	-NUMBER	4	4	4	4
YEAR BUILT	1955	1955	1956	1956	1956	-MODEL	D-37-B	D-37-B	D-37-B	D-37-B
WEIGHT ON WHEELS	244800	252400	252,000	252,400	252,400	-GEAR RATIO	62:15	62:15	62:15	62:15
WEIGHT ENGINE W.C.	244800	252400	252,000	252,400	252,400	AIR COMPRESS.-MAKE	GARDNER	GARDNER	GARDNER	GARDNER
ENGINE LIGHT	227320	228260	230,550	231,500	231,500	-MODEL	WXO-8016	WXO-8016	WXO-8016	WXO-8016
INDICATED POWER-LES	61200	63100	63,000	63,350	63,350	AIR BRAKE SCHED.	6-BL	6-BL	6-BL	6-BL
-AT 3.5 M.P.H.	61200	63100				WHEEL DIAMETER	40"	40"	40"	40"
-AT 25 M.P.H.	21500	21877				JOURNAL SIZE	6 $\frac{1}{2}$ " x 12"	6 $\frac{1}{2}$ " x 12"	6 $\frac{1}{2}$ " x 12"	6 $\frac{1}{2}$ " x 12"
-AT 35 M.P.H.	15500	15772				-TYPE BEARING	HYATT	HYATT	HYATT	HYATT
ENGINE MAKE	EMD	EMD	EMD	EMD	EMD	AIR SIGNAL EQUIP.	STD. NS-1	STD. NS-1	STD. NS-1	STD. NS-1
-MODEL	16-567-C	16-567-C	16-567-C	16-567-C	16-567-C	STEAM GENERATOR	-	VAPOR	VAPOR	VAPOR
-CYCLE	2	2	2	2	2					
-NO. CYLINDERS	16	16	16	16	16					
-DIA. X STROKE	8 $\frac{1}{2}$ " X 10"	8 $\frac{1}{2}$ " X 10"	8 $\frac{1}{2}$ " X 10"	8 $\frac{1}{2}$ " X 10"	8 $\frac{1}{2}$ " X 10"					
-HORSEPOWER	1750	1750	1750	1750	1750	COPY-FUEL OIL-GALS.	1600	1100	1100	1100
-AT R.P.M.	835	835	835	835	835	-LUBE OIL-GALS.	200	200	200	200
ENGINEER - MAKE	WOODWARD	WOODWARD	WOODWARD	WOODWARD	WOODWARD	-WATER -GALS.	227	227	227	227
- MODEL	PG	PG	PG	PG	PG	-SAND -CU.FT.	18	18	18	18
						-BOILER WATER-GALS	-	1100	1100	1100
						-TOILET WATER-GALS	25	25	25	25

15-1	ENGINE NUMBERS	486-509	510-529	530-534	800-814	ENGINE NUMBER	486-509	510-529	530-534	800-814
ENGINE CLASS		ERS-17D	ERS-17E	ERS-17F	ERS-17G	MAIN GENERATOR MAKE	EMD	EMD	EMD	EMD
DIAGRAM SHEET		15A	15A	15A	15A	-MODEL	D-12-B	D-12-B	D-12-B	D-12-B
NO. OF LOCOS.		24	20	5	15	AUX. GENERATOR-MAKE	EMD	EMD	EMD	EMD
BUILDER		EMD	EMD	EMD	EMD	-MODEL	A-7159-A1	A-7159-A1	A-7159-A-1	A-7159-A1
BUILDER NO.		5462	5578	5592	5592	TRACTION MOTOR-MAKE	EMD	EMD	EMD	EMD
BUILDER MODEL		GP-9	GP-9	GP-9	GP-9	- NUMBER	4	4	4	4
YEAR BUILT		1956	1958	1959	1959	- MODEL	D-37-B	D-47-B	D-47-B	D-47-B
WEIGHT ON DRIVERS		245,400	245,800	246,400	247,000	- GEAR RATIO	62:15	62:15	62:15	62:15
WEIGHT ENGINE T.O.		245,400	245,800	246,400	247,000	AIR COMPRESSOR-MAKE	GARDNER	GARDNER	GARDNER	GARDNER
WEIGHT ENGINE LIGHT		228,450	228,150	228,900	229,000	-MODEL	WYO-8016	WBO-8003	WBO-8006	WBO-8006
TRACTIVE POWER-LBS		61,350	61,450	61,600	61,750	AIR BRAKE SCHED.	6-BL	6-BL	26-L	26-L
						WHEEL DIA.	40"	40"	40"	40"
						JOURNAL SIZE	6½" x 12"	6½" x 12"	6½" x 12"	6½" x 12"
						-TYPE BEARING	HYATT	HYATT	HYATT	HYATT
ENGINE-MAKE		EMD	EMD	EMD	EMD	AIR SIGNAL EQUIP.	STD. NS-1	STD. NS-1		
-MODEL		16-567-C	16-567-C	16-567-C	15-567-C	STEAM GENERATOR	-	-	-	-
-CYCLE		2	2	2	2					
-NO. CYLINDERS		16	16	16	16					
-DIA. OF STROKE		8½" x 10"	8½" x 10"	8½" x 10"	8½" x 10"					
-HORSE POWER		1750	1750	1750	1750	CAPX. FUEL OIL-GALS.	1600	1700	1700	1700
-AT RPM		835	835	835	835	-LUBE OIL-GALS.	200	200	200	200
COY. -MAKE		WOODWARD	WOODWARD	WOODWARD	WOODWARD	-WATER -GALS.	227	227	227	227
-MODEL		PG	PG	PG	PG	SAND -CU.FT.	18	18	18	18
						BOILER WATER - GALS.	-	-	-	-
AUTOMATIC TRAIN STOP		-	-	-	US&S	TOILET WATER - GALS.	25	25	25	25



15-3	ENGINE NUMBERS	700-709				ENGINE NUMBERS	700-709			
ENGINE CLASS		ERS-16A				MAIN GENERATOR MAKE	E.M.D.			
ENGINE SHEET		15-C				-MODEL	D-22B			
NO. OF LOCS.		10				AUX. GENERATOR MAKE	E.M.D.			
ENGINE		ED				-MODEL	A7159A2			
ENGINE NO.		5622				TRACTION MOTOR MAKE	E.M.D.			
ENGINE MODEL		GP-18				-NUMBER	1			
YEAR BUILT		1960				-MODEL	D4781			
WEIGHT ON DRIVERS		211100				-GEAR RATIO	62:15			
WEIGHT ENGINE W.O.		211100				AIR COMPRESSOR MAKE	GARDNER			
WEIGHT ENGINE LIGHT		226600				-MODEL	W80-8006			
TRACTIVE POWER-LBS.		59340				AIR BRAKE SCHED.	26-L			
						WHEEL DIA.	40"			
ENGINE MAKE		ED				JOURNAL SIZE	6 $\frac{1}{2}$ x 12			
-MODEL		567D				-TYPE BEARING	HYATT			
-CYCLE		2				AIR SIGNAL EQUIP.	-			
-NO. CYLINDERS		16				STEAM GENERATOR	-			
-DIA. OF STROKE		6 $\frac{1}{2}$ x 10 $\frac{1}{2}$								
-HORSE POWER		1600								
-AT RPM		835								
COY. MAKE		WOODWARD				CAPY. FUEL OIL-GALS.	1700			
-MODEL		P0				-LUBE OIL-GALS.	220			
						-WATER -GALS.	227			
						SAND -CU. FT.	18			
						BOILER WATER - GALS.	-			
AUTOMATIC TRAIN STOP		NO				TOILET WATER - GALS.	25			

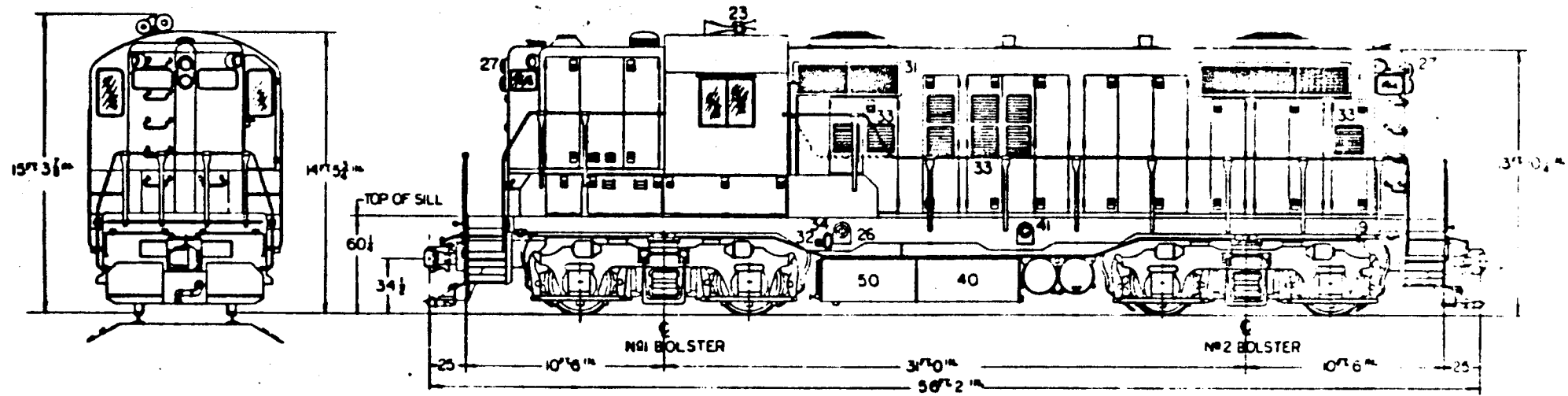
15-4	ENGINE NUMBERS	480, 481	482, 484, 485	483		ENGINE NUMBERS	480, 481	482, 484, 485	483	
ENGINE CLASS	ERS-17C	ERS-17C	ERS-17C			MAIN GENERATOR MAKE	EMD	EMD	EMD	
DIAGRAM SHEET	15A	15A	15A			-MODEL	D-12-B	D-12-B	D-12-B	
NO. OF LOCOS.	2	3	1			AUX. GENERATOR MAKE	EMD	EMD	EMD	
BUILDER	EMD	EMD	EMD			-MODEL	A-7159-A1	A-7159 A1	A-7159 A1	
BUILDER NO.	5463	5463-64	5463			TRACTION MOTOR MAKE	EMD	EMD	EMD	
BUILDER MODEL	GP-9	GP-9	GP-9			-NUMBER	4	4	4	
YEAR BUILT	1956	1956	1956			-MODEL	D-37-B	D-47-B	D-47-B	
WEIGHT ON DRIVERS	252,000	253,400	252,300			-GEAR RATIO	62:15	62:15	62:15	
WEIGHT ENGINE W. O.	252,000	253,400	252,300			AIR COMPRESSOR MAKE	GARDNER	GARDNER	GARDNER	
WEIGHT ENGINE LIGHT	230,550	231,900	231,900			-MODEL	WXO-8016	WBO-8003	WBO-8006	
TRACTIVE POWER-LBS.	63,000	63,350	63,075			AIR BRAKE SCHED.	6-BL	6-BL	26-L	
						WHEEL DIA.	40"	40"	40"	
						JOURNAL SIZE	6 1/2" X 12"	6 1/2" X 12"	6 1/2" X 12"	
ENGINE MAKE	EMD	EMD	EMD			-TYPE BEARING	HYATT	HYATT	HYATT	
-MODEL	16-567-C	16-567-C	16-567-C			AIR SIGNAL EQUIP.	STD. NS-1	STD. NS-1		
-CYCLE	2	2	2			STEAM GENERATOR	VAPOR	VAPOR	-	
-NO. CYLINDERS	16	16	16							
DIA. OF STROKE	8 1/2" X 10"	8 1/2" X 10"	8 1/2" X 10"							
-HORSE POWER	1750	1750	1750							
-AT RPM	835	835	835							
GOV MAKE	WOODWARD	WOODWARD	WOODWARD			CAPY. FUEL OIL-GALS.	1100	1100	2200	
-MODEL	PG	PG	PG			-LUBE OIL-GALS.	200	200	200	
						-WATER -GALS.	227	227	227	
						SAND -CU. FT.	18	18	18	
						BOILER WATER -GALS.	1100	1100	-	
AUTOMATIC TRAIN STOP						TOILET WATER -GALS.	25	25	25	



MAX. CURVE - SINGLE - 39°  
 MAX. CURVE - MULTIPLE - 21°

E.M.D. 1750 H.P.  
 CLASS ERS-17





MAX. CURVE - SINGLE - 39°  
 MAX. CURVE - MULTIPLE - 21°

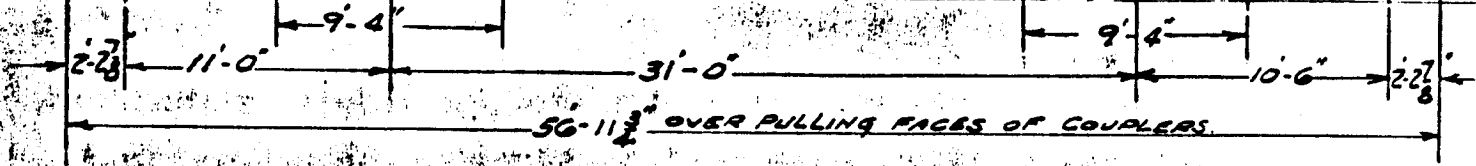
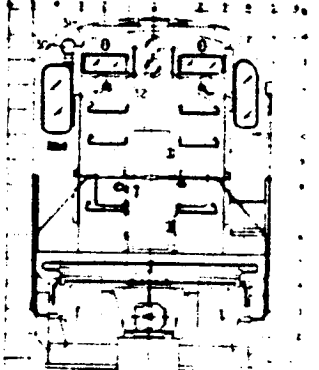
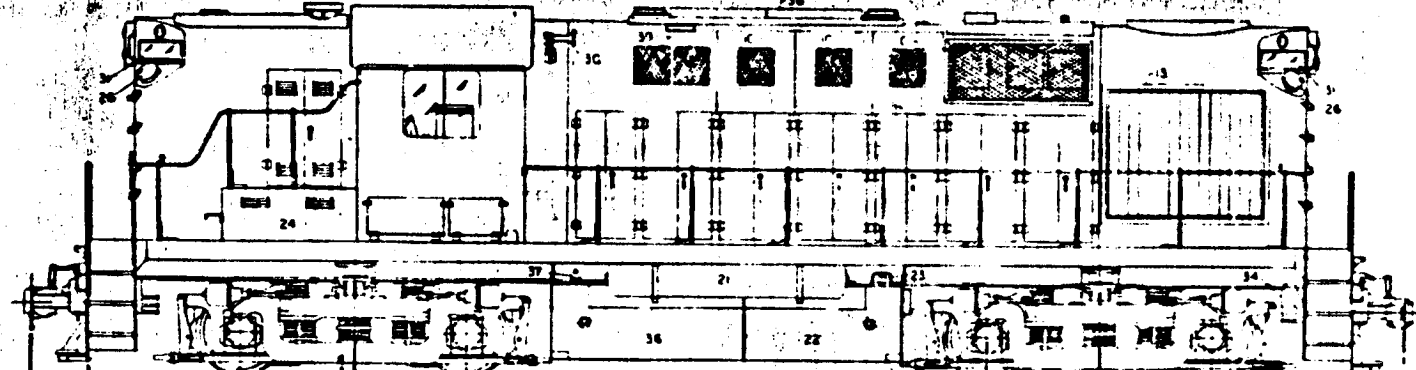
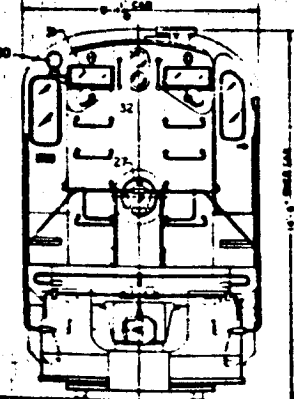
EMD 1800 H.P.  
 CLASS ERS-18A



18	ENGINE NUMBERS	558-562	563-572	850-864	573-577	ENGINE NUMBERS	558-562	563-572	850-864	573-577
ENGINE CLASS	ARS-18A	ARS-18B	ARS-18C	ARS-18D	MAIN GENERATOR-MAKE	GE.	GE.	GE	GE	
DIAGRAM SHEET	16A	16A	16A	16A	-MODEL	GT-581	GT-581	GT-581	GT-581	
NO. OF LOCOS.	5	10	15	5	AUX. GENERATOR-MAKE	GE.	GE.	GE	GE	
BUILDER	ALCO	ALCO	ALCO	ALCO	-MODEL	GY-27	GY-27	GY-27	GY-27	
BUILDER NO.	S-21001	SO-21082	SO-21102	SO-21130	TRACTION MOTOR-MAKE	GE.	GF.	GE	GE	
BUILDER MODEL	RS-11	RS-11	RS-11	RS-11	-NUMBER	4	4	4	4	
YEAR BUILT	1956	1958	1959	1960	-MODEL	GE-752	GE-752	GE-752	GE-752	
WEIGHT OF DRIVERS	247400	244800	245,200	245000	-GEAR RATIO	74-18	74-18	74-18	74-18	
WEIGHT ENGINE W.O.	247400	244800	245,200	245000	AIR COMPRESS.-MAKE	WESTINGHOUSE	WESTINGHOUSE	WESTINGHOUSE	WEST.	
WEIGHT ENGINE LIGHT	228000	224820	225,700	225500	-MODEL	3 CDC	3 CDC	3 CDC	3 CDC	
TRACTIVE POWER - LBS.	61850	61200	61,300	61250	AIR BRAKE SCHED.	6-SL	6-SL	26-L	26-L	
-AT 5.5 M.P.H.	61850				WHEEL DIAMETER	40"	40"	40"	40"	
-AT 25 M.P.H.	23000				JOURNAL - SIZE	6 1/2 X 12	6 1/2 X 12"	6 1/2 X 12"	6 1/2 X 12"	
-AT 35 M.P.H.	16500				-TYPE BEARINGS	TIMKEN	TIMKEN	TIMKEN	TIMKEN	
ROD END - MAKE	ALCO	ALCO	ALCO	ALCO	AIR SIGNAL EQUIP.					
-MODEL	251	251	251	251						
-CYCLE	4	4	4	4						
-NO. CYLINDERS	12	12	12	12						
-DIA. X STROKE	9" X 10 1/2"	9" X 10 1/2"	9" X 10 1/2"	9" X 10 1/2"						
-RHS. POWER	1800	1800	1800	1800						
-AT R.P.M.	1000	1000	1000	1000						
Governor - MAKE	GE.	GE	GE	GE	CAPY: FUEL OIL-GALS.	1800	1800	1800	1800	
- MODEL	17MG8-A1	17MG8-A1	17MG8-A1	17MG8-A1	-LUBE OIL-GALS.	200	200	200	200	
					-WATER - GALS.	250	250	250	250	
AUTOMATIC BRAKE STOP	*	*	US&S		-SAND - CU.FT.	28	28	28	28	

1-1	ENGINE NUMBERS	325-333			ENGINE NUMBERS	325-333			
	ENGINE MAKE	ARX-18A			MAIN GENERATOR-MAKE	GE.			
	ENGINE MODEL	16-B			-MODEL	GT-586			
	ENGINE SERIAL	9			AUX. GENERATOR-MAKE	GE.			
	ENGINE TYPE	ALCO			-MODEL	GY-27			
	ENGINE NO.	S-3270 #13			TRACTION MOTOR-MAKE	GE.			
	ENGINE HORSEPOWER	RSD-12			-NUMBER	6			
	ENGINE YEAR	1957			-MODEL	GE-752			
	NUMBER OF DRIVERS	370160			-GEAR RATIO	74:18			
	ENGINE CYLINDER NO.	370160			AIR COMPRESS.-MAKE	WESTINGHOUSE			
	ENGINE LIGHT	319260			-MODEL	3 CFB			
	WEIGHT - LBS.	92540			AIR BRAKE SCHED.	6-SL			
	- S.F.M.F.P.				WHEEL DIAMETER	40"			
	- G.G.E.M.F.P.				JOURNAL - SIZE	6 1/2" X 12			
	- S.F.M.F.P.				-TYPE BEARINGS	TIMKEN			
	ENGINE MAKE	ALCO			AIR SIGNAL EQUIP.				
	- MODEL	551							
	- CYLINDER	4							
	- CYLINDERS	12							
	- JOURNAL	6" X 10"							
	- HORSEPOWER	1200							
	- YEAR	1900							
	ENGINE MAKE	GE.			CAPY. FUEL OIL-GALS.	2000			
	- MODEL				-LUBE OIL-GALS.	200			
					-WATER - GALS.	250			
					-SAND - CU.FT.	28			

FRONT END



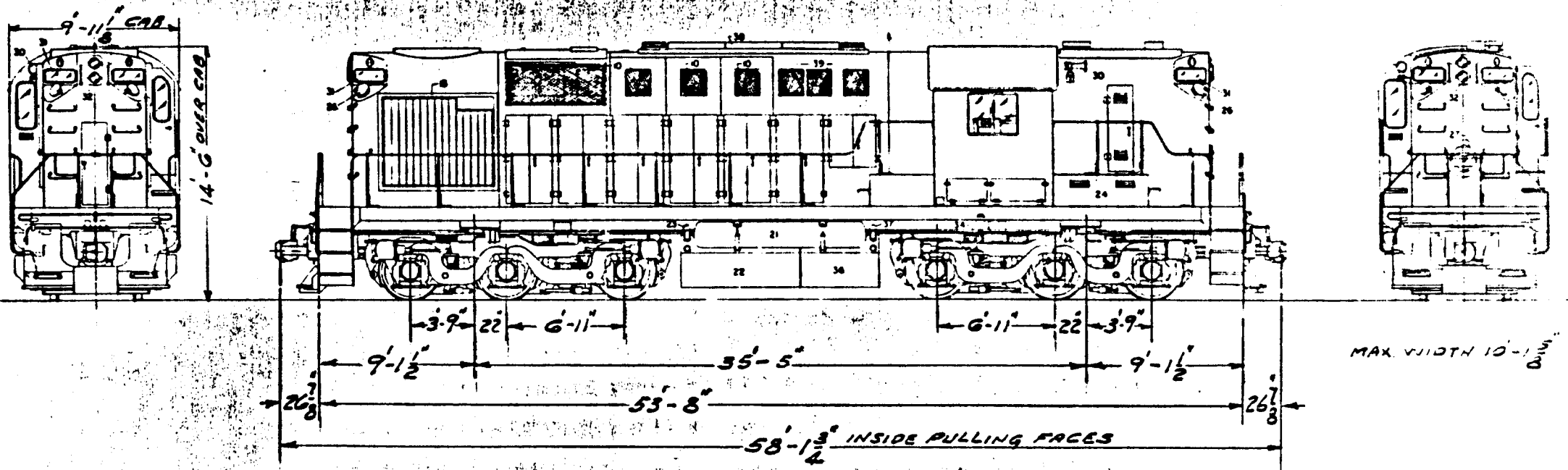
MAX. WIDTH 10'-1 5/8"

MAX. CURVE - SINGLE - 39°  
 MAX. CURVE - MULTIPLE - 30°

ALCO. 1800 H.P.  
 CLASS ARS-18

752

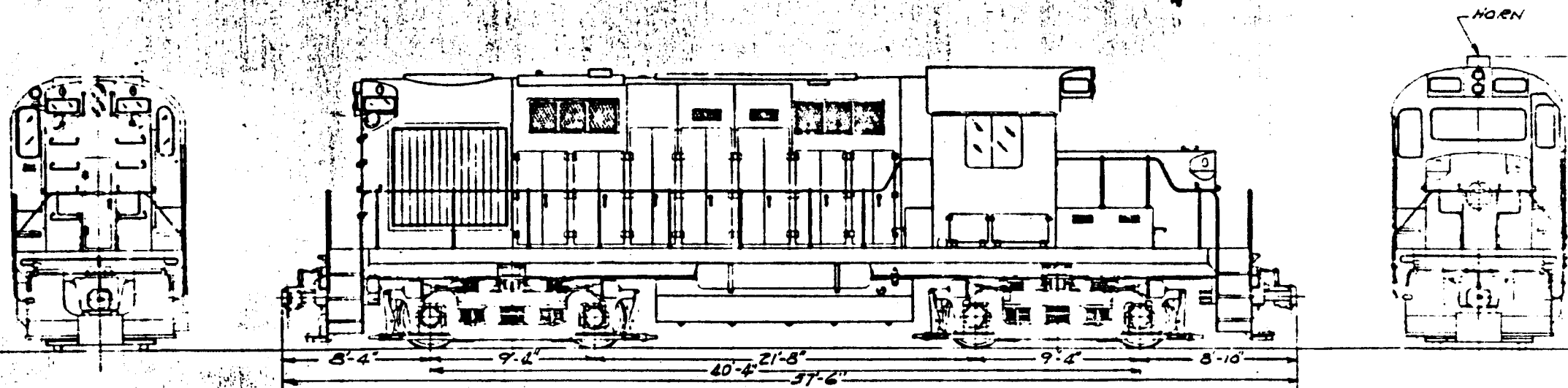
16 B



MAX. CURVE - SINGLE - 30°  
 MAX. CURVE - MULTIPLE - 25°

ALCO 1800 H.P.  
 CLASS ARX-18

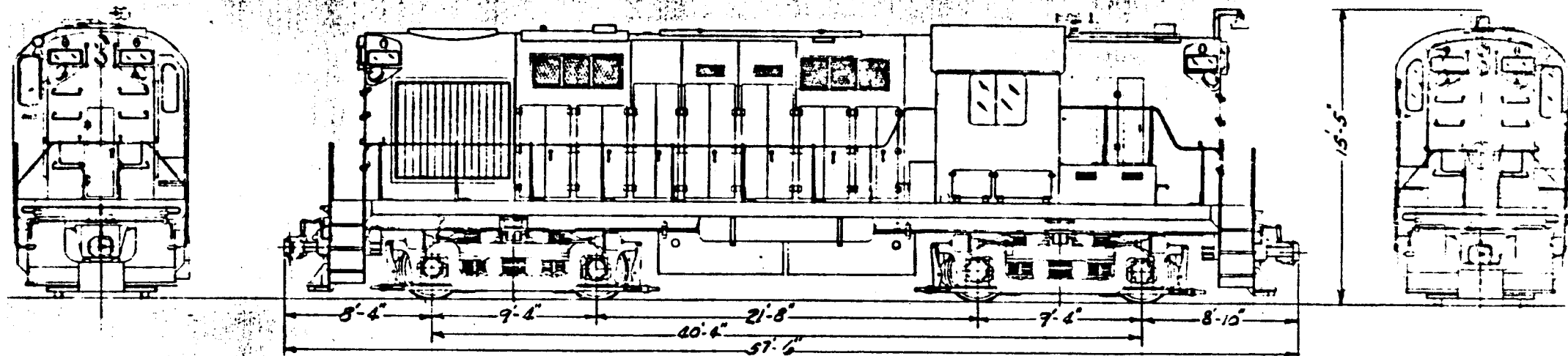




MAX CURVE - SINGLE - 39°  
 MAX CURVE - MULTIPLE - 30°

ALCO. 1800 H.P.  
 CLASS ARS-18E

IS	ENGINE NUMBERS	874,875				ENGINE NUMBERS	874,875			
ENGINE CLASS	ARS-18F					MAIN GENERATOR - MAKE	GE.			
DIAGRAM SHEET	18-A					- MODEL	GT-581			
NO. OF LOCOM.	2					AUX. GENERATOR - MAKE	GE.			
BUILDER	ALCO					- MODEL	GY-27			
BUILDER NO.	S.O.21157					TRACTION MOTOR - MAKE	GE.			
BUILDER MODEL	PS-11					- NUMBER	4			
YEAR BUILT	1962					- MODEL	GE-752			
WEIGHT ON DRIVERS	256690					- GEAR RATIO	74-18			
WEIGHT ENGINE W.O.	256690					AIR COMPRESSOR - MAKE	WESTINGHOUSE			
WEIGHT ENGINE LIGHT	225300					- MODEL	3 CDC			
TRACTIVE POWER - LBS.	64170					AIR BRAKE SCHEDULE	26-L			
- AT 5.8 M.P.H.						WHEEL DIAMETER	40"			
- AT 25 M.P.H.						JOURNAL - SIZE	6 $\frac{1}{2}$ " x 12"			
- AT 35 M.P.H.						- TYPE BEARINGS	TIMKEN			
ENGINE - MAKE	ALCO					AIR SIGNAL EQUIPMENT				
- MODEL	251									
- CYCLE	4									
- NO. CYLINDERS	12									
- DIA. x STROKE	9" x 10 $\frac{1}{2}$ "									
- HORSE POWER	1800					CAPY-FUEL OIL-GALS	1200			
- AT R.P.M.	1000					-LUBE OIL-GALS	200			
GVERNOR - MAKE	GE.					-WATER -GALS	250			
- MODEL	17-MGS-A1					-SAND - CU.FT.	28			
						BOILER WATER -GALS	1200			
AUTOMATIC - TRAIN STOP	U.S.& S.					TOILET WATER -GALS	30			

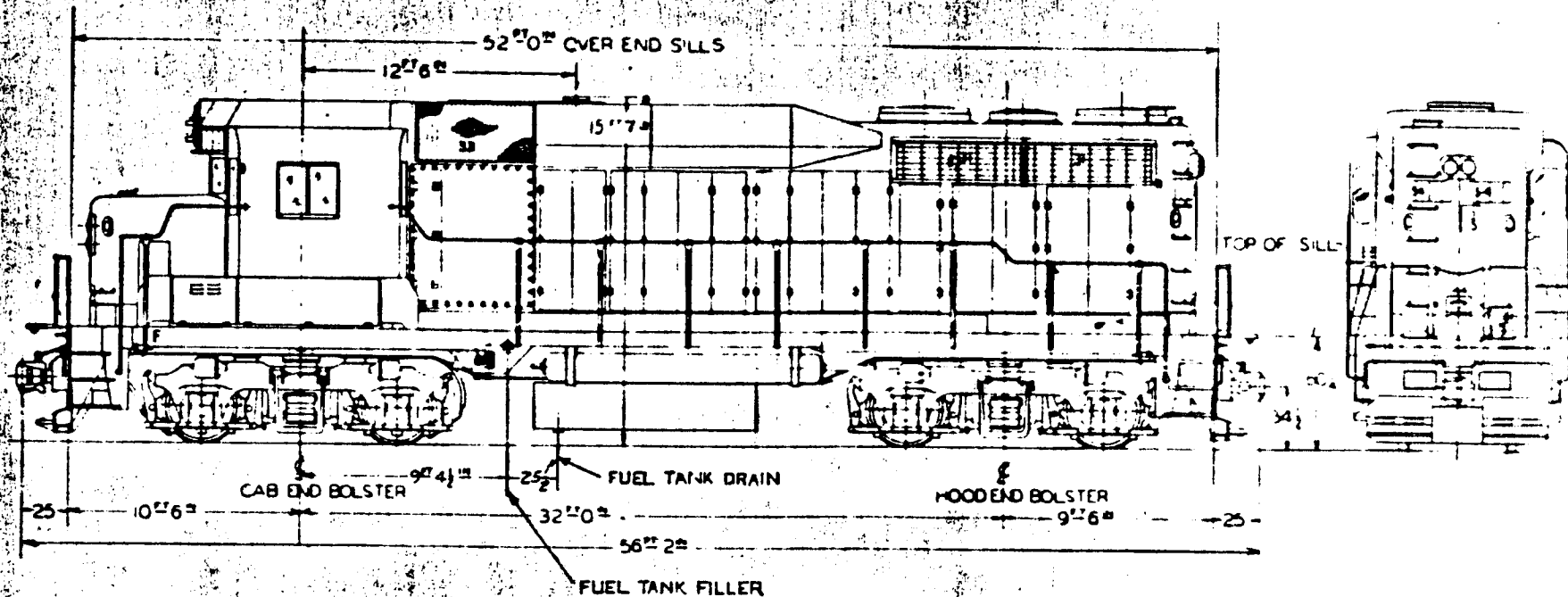


MAX CURVE-SINGLE- 39°  
 MAX CURVE-MULTIPLE- 30°

ALCO 1800 H.P.  
 CLASS ARS-18F



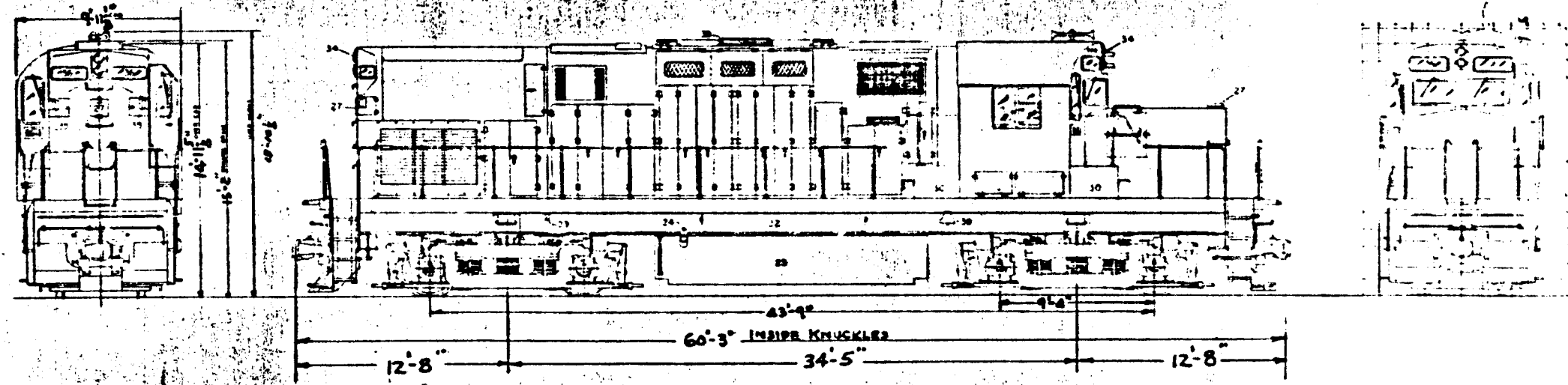
19	ENGINE NUMBERS	900-909				ENGINE NUMBERS	900-909			
	ENGINE CLASS	ERS-22A				MAIN GENERATOR-MAKE	EMD			
	DIAGRAM SHEET	19-A				-MODEL	D22DT-D114			
	NO. OF LOCOM.	10				AUX. GENERATOR-MAKE	EMD			
	BUILDER	EMD				-MODEL	A7159-2A			
	BUILDER NO.	5647				TRACTION MOTOR-MAKE	EMD			
	BUILDER MODEL	GP-30				-NUMBER	4			
	YEAR BUILT	1962				-MODEL	D-57B			
	WEIGHT ON DRIVERS	247,200				-GEAR RATIO	62:15			
	WEIGHT ENGINE W.O.	247,200				AIR COMPRESSOR-MAKE	GARDNER			
	WEIGHT ENGINE LIGHT	231,600				-MODEL	WBO			
	INDICATED POWER-LES.	61600				AIR BRAKE SCHED.	26-L			
						WHEEL DIAMETER	40"			
						JOURNAL SIZE	6 $\frac{1}{2}$ " x 12"			
	ENGINE-MAKE	EMD				TYPE BEARINGS	HYATT			
	-MODEL	557				AIR SIGNAL EQUIP.	STD. NS-1			
	-CYCLE	2								
	-NO CYLINDERS	16								
	-BBL. X STROKE	8 $\frac{1}{2}$ " x 10"								
	-HORSE POWER	2250								
	-AT R.P.M.	835								
	GENERATOR-MAKE	WOODWARD				CAPY; FUEL OIL-GALS	1700			
	-MODEL	PG				- LUBE OIL-GALS	243			
						- WATER -GALS	257			
						- SAND -CU. FT.	18			
	AUTOMATIC TRAIN STOP	US&S				TOILET WATER -GALS	25			



MAX. CURVE - SINGLE - 39°  
 MAX. CURVE - MULTIPLE - 21°

EMD 2250 H.P.  
 CLASS ERS-22RA

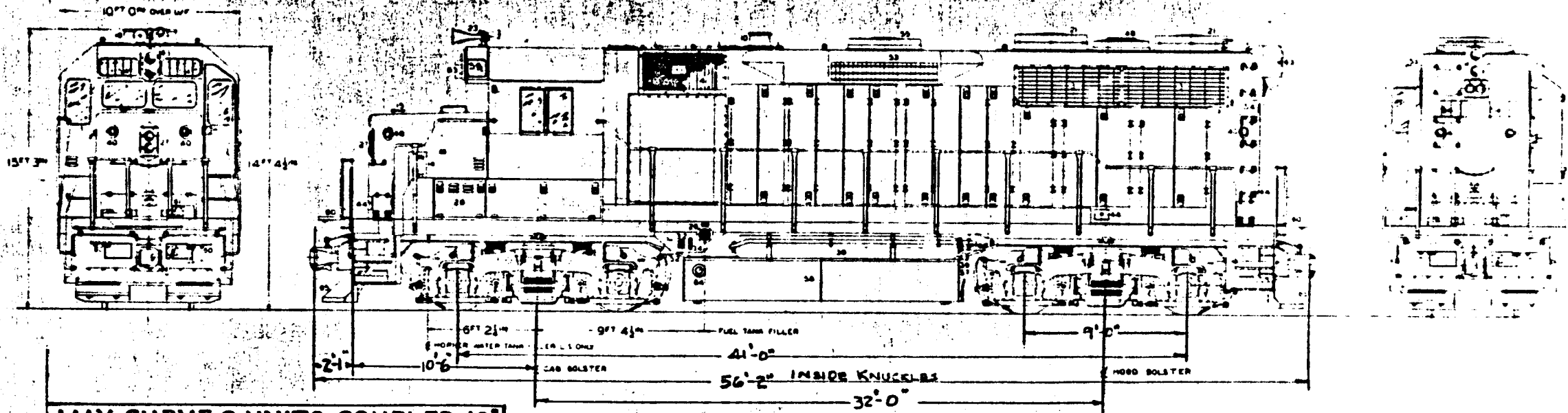
20	ENGINE NUMBERS	578				ENGINE NUMBERS	578			
ENGINE CLASS	ARS-20A					MAIN GENERATOR MAKE	G.E.			
DIAGRAM SHEET	20-A					-MODEL	5GT-581-C7			
NO OF LOCOS	1					AUX. GENERATOR MAKE	G.E.			
BUILDER	ALCO					-MODEL	5GY-27-F1			
BUILDER NO.	84792					TRACTION MOTOR-MAKE	G.E.			
BUILDER MODEL	C-420					-NUMBER	4			
YEAR BUILT	1964					-MODEL	GE-752-753			
WEIGHT ON DRIVERS	257300					-GEAR RATIO	74:18			
WEIGHT ENGINE W O	257300					AIR COMPRESSOR-MAKE	WESTINGHOUSE			
WEIGHT ENGINE LIGHT	231250					-MODEL	3CDCL			
TRACTIVE POWER-LBS	64325					AIR BRAKE SCHED.	WEST. 26-L			
						WHEEL DIA.	40"			
ENGINE MAKE	ALCO					JOURNAL SIZE	6 1/2 x 12			
-MODEL	251-C					-TYPE BEARING	TIMKEN			
-CYCLE	4					AIR SIGNAL EQUIP.	-			
-NO. CYLINDERS	12					STEAM GENERATOR	-			
DIA. OF STROKE	9" x 10 1/2"									
-HORSE POWER	2000									
-AT RPM	1025									
GOV - MAKE	G.E.					CAPY. FUEL OIL-GALS.	2700			
-MODEL	17MG 8A1					-LUBE OIL-GALS.	200			
						-WATER - GALS.	250			
						SAND -CU. FT.	28			
						BOILER WATER - GALS.	-			
AUTOMAT C TRAIN STOP	-					TOILET WATER - GALS.	-			



MAX. CURVE WITH TRAIN 30°  
 MAX. CURVE SINGLE UNIT 39°

ALCO - 2000 H.P.  
 CLASS ARS-20A

21	ENGINE NUMBERS	910				ENGINE NUMBERS	910			
ENGINE CLASS		ERS-25A				MAIN GENERATOR MAKE	EMD			
DIAGRAM SHEET		21-A				- MODEL	D-32			
NO. OF LOCOM		1				AUX GENERATOR MAKE	EMD			
BUILDER		EMD				- MODEL	A-7159-M2			
BUILDER NO.		29167				TRACTION MOTOR--MAKE	EMD			
BUILDER MODEL		GP-35				- NUMBER	4			
YEAR BUILT		1964				- MODEL	D-67-B			
WEIGHT ON DRIVERS		258000				- GEAR RATIO	G2:15			
WEIGHT ENGINE W/ C		258000				AIR COMPRESSOR--MAKE	GARD. DENVER			
WEIGHT ENGINE LIGHT		231220				- MODEL	WBO-3022			
TRACTIVE POWER--LBS		64500				AIR BRAKE SCHED.	WEST. 26L			
						WHEEL DIA.	40"			
ENGINE MAKE		EMD				JOURNAL SIZE	6 $\frac{1}{2}$ " = 12"			
- MODEL		16-567-D3A				- TYPE BEARING	HYATT			
CYCLE		2				AIR SIGNAL EQUIP. 1	-			
- NO. CYLINDERS		16				STEAM GENERATOR	NONE			
DIA. OF STROKE		8 $\frac{1}{2}$ " x 10"								
HORSE POWER		2500								
- AT RPM										
GOV. - MAKE		WOODWARD				CAPY. FUEL OIL--GALS.	2600			
MODEL		PG				- LUBE OIL--GALS.	243			
						- WATER - GALS.	275			
						SAND - CU. FT.	40			
						BOILER WATER - GALS.	-			
AUTOMATIC TRAIN STOP		-				TOILET WATER - GALS.	-			



MAX. CURVE 2 UNITS COUPLED 19'  
 MAX. CURVE SINGLE UNIT 39'

EMD 2500 H.P.  
 CLASS ERS 25A