

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
11363	Lubricator details	(2 copies) Superseded by drawing H41, May 1939 A1, A3, A4, P2, V1, V2	Aug-25
8108	Pipe and rod arrangement (Westinghouse brake)	(2 copies) J21 For arrangement of vacuum brake & vacuum ejector pipe (see drawing 13123 January 1912)	Jan-12
15	Firebox fixing side view		15-12-1883
24	Regulator steam pipe		14-1-1884
35	Firebrick arch arrangement		18-1-1884
90	Smokebox tube plate for class 1500		1-2-1884
117	Tank manhole and lid		17-3-1884
130	Spring gear for steam carriage		28-3-1884
140	Boiler class 8		3-4-1884
146	Reversing shaft	See drawing no 1024	18-4-1884
149	Tender axle		21-4-1884
156	Coupling rod ex passenger engine	See drawing no 13	23-4-1884
163	Slide bar		24-4-1884
219	Tender draw bar		13-6-1884
352	Foundations for steam hammer 20 cwt		20-8-1884
434	Chimney for express engines	?	January 1885
466	Smoke box tube plate new express		7-2-1885
472	Regulator		10-2-1885
494	Cab and trailing splasher		19-2-1885
526	Motion arrangement new express		16-3-1885
543	Blast pipe for new express		24-3-1885
553	Smoke box for new express engine		30-3-1885
566	Frame		6-2-1885
578	Brake shaft carrier and screw bracket		9-3-1885
582	Brake details for tender		21-2-1885

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594	Screw coupling and side chain		15-3-1885
600	Arrangement of ashpan and firebars new express		17-4-1885
617	Whistle gear and cab handrail for new express		25-4-1885
628	Smoke box arrangement for new express engine		2-5-1885
635	Deflecting plate for new express engine		13-5-1885
662	General arrangement shunting engine	Class 8	29-6-1885
680	General arrangement shop engine 1463 class Tennant		30-7-1885
699	Boiler for passenger side tank		29-8-1885
708	Intermediate axle		26-8-1885
717	Cylinders		26-8-1885
718	Wheel	High speed passenger electric loco	15/02/1921
741	Radial axle box		1-10-1885
742	Radial axle box, elevation		1-10-1885
744	Driving wheel passenger tank		5-10-1885
749A	Frame arrangement for s[mall] tank engine	Renumbered from 756; D prefix	7-10-1885
753	Engine buffers		12-10-1885
764	Window frames		20-10-1885
777	Safety valve cover, class B		26-10-1885
787	Boiler Stephenson's double frame engine		29-10-1885
789	Motion arrangement passenger tank		31-10-1885
795	Coupling rods goods tank engine		4-11-1885
801	Auxiliary reservoir supports etc		9-11-1885
821	Tanks, cab and coal bunker passenger engine		24-11-1885

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
826	Cylinder cock for passenger and goods tanks		26-11-1885
827	Boiler Aerolite No 66		26-11-1885
836	Outline and holes of inside and outside frames		4-12-1885
837	Frame template goods tank engine		5-12-1885
840	Arrangement of tanks and cab, engine no 66		7-12-1885
850	Sand box, engine no 66 Aerolite		15-12-1885
865	Sand box details goods tank	Class B P3 sup	7-1-1886
879	Trailing spring and hangers, Engine no 66		19-1-1886
891	Frame arrangement Engine no 66		28-1-1886
897	Clothing arrangement, goods tanks	Class B	3-2-1886
900	Smoke box arrangement, goods		6-2-1886
903	Brake hangers, pins ties and rods, engine 66		9-2-1886
904	Brakeshaft brackets and rods, engine no 66		10-2-1886
905	General arrangement for passenger tank engine		11-2-1886
905	Balance weights passenger tank		11-2-1886
912	Cabs and tanks for goods tank engine		18-2-1886
914	Cylinders for compound engines		19-2-1886
916	Brake screw and link, engine 66		24-2-1886
918	Double elbow for steam pipe, engine 66		25-2-1886
933	Boiler for shunting engine		5-2-1886
942	Name and number plate		8-3-1886
962	Slide bar, goods engines		11-3-1886
963	Crosshead goods engines		11-3-1886

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
965	Frame arrangement	963-2 crosshead, class C	12-3-1886
966	Intercepting valve compound engines		15-3-1886
978	Driving and trailing wheels, express passenger Engine		23-3-1886
989	Cylinder covers and piston for compounds		31-3-1886
997	Frame		1-4-1886
1011	Boiler for goods engines		7-4-1886
1014	Tank arrangement shunting engine		7-4-1886
1016	Boiler diagram 398 class goods 16'6" wheel base		9-4-1886
1026	Arrangement of fog signal	4-6-2 type G.N.	09/08/1924
1029	Pipe arrangement goods tank		16-4-1886
1033	Boiler for compound passenger engine		19-4-1886
1054	Frame template		6-5-1886
1065	Leading and trailing axle and brass box for engine		17-5-1886
1105	Boiler for 900 class and 25 class		8-6-1886
1112	Cab arrangement goods engine class C		17-6-1886
1126	Smoke box arrangement		28-6-1886
1133	Counter weights old wheels, engine 66		12-7-1886
1139	Injector brake and sand box arrangement		17-7-1886
1150	Driving and trailing wheels, compound passenger		28-7-1886
1151	Injector overflow cock		26-7-1886
1161	Injector arrangement, compound passenger		29-7-1886
1166	Support for sand rod, goods engine,	Class C	2-8-1886
1174	Smokebox arrangement, compound goods		5-8-1886

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
1192	Arrangement of speed indicators, compound passenger engine		21-8-1886
1194	Arrangement of speed indicator, compound goods engine		24-8-1886
1196	Smokebox arrangement, compound passenger engine		25-8-1886
1232	Cast iron chimney, shunting engine	Class E, E1	27/9/1886
1236	General arrangement of clothing shunting engine		4/10/1886
1253	Pipe and rod arrangement, shunting engine		20-10-1886
1263	General arrangement compound goods	J-21	15-11-1886
1264	Automatic starting valve		15-11-1886
1302	Smokebox compound goods		20-12-1886
1304	Starting valve and connections, [compound engine]		21/12/1886
1312	Indicator gear on compound goods		11-1-1887
1319	Indicator gear arrangement compound passenger		15- 1-1887
1320	Arrangement starting and intercepting valves		19 -1-1887
1344	Smokebox compound goods		5- 2-1887
1352	Frame arrangement for compound bogie engine		11- 2-1887
1400	General arrangement	901 class	14- 3-1887
1420	Bogie compound passenger engine		15- 4-1887
1448	Cylinders for Aerolite	No.66 engine	21- 5-1887
1450	Driving and trailing wheel	Class G	24- 5-1887
1454	Frame template for passenger engine	Class G and G1	8- 6-1887
1460	Cab arrangement	Class G and G1	17- 6-1887
1483	Well for Standard tender		8- 7-1887

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Drawing No.	Title	More Info	Date
1492	Details for starting valve compound engine		20- 7-1887
1493	Intercepting valve spindle Compound engine		21- 7-1887
1515	Boiler mounting	Class G and G1	15- 8-1887
1524	Frame arrangement	Class B and B1	1- 9-1887
1542	Combined starting and intercepting valve		14- 9-1887
1560	Smoke box	Class G1	30-9-1887
1564	Injector cock & pipe angle	Class G1	5-10-1887
1568	Smoke box arrangement	Class B	17-10-1887
1585	Steam chest lubricator, high pressure engine.		4-11-1887
1586	Boiler for bogie tank engines		8-11-1887
1596	Indicator gear for high pressure engine		18-11-1887
1602	Standard bolt head		22-11-1887
1622	No.675 class L & T wheel altered to suit Class A	Class A	8-12-1887
1640	Boiler for steam crane engine		3-1-1888
1643	Chimney cast iron	Superseded by new drawing same number dated 3. 9. 37 F8, G5, J21, J24, J25, J73, J74, J75, J77, J80, N8, N9, N10, N12, N13	Retraced 21-8-29
1658	Chimney passenger engine 3' 0½	Class G1	21-1-1888
1672	Front view of smoke box	Class F	14-2-1888
1687	Cab and tanks for shunting engine	Class H	29-1-1888
1715	Frame arrangement	Class I	24-3-1888
1749	Starting and Inter valve. V. Boriies		7-5-1888

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Drawing No.	Title	More Info	Date
1750	Smoke box	Class H and H1	9-5-1888
1760	Section of steam ports & slide valve. H.P. engine, Joys motion		24-5-1888
1761	Section of steam ports & slide valve. H.P. engine, Joys motion		24-5-1888
1762	Sketch showing position of 10 horse brake gov.	Class FF1	25-5-1888
1772	Starting valve gear	Class C	2-6-1888
1800	Steam sanding arrangement & details	Class F	7-7-1888
1807	Cab & splasher	Class I	14-7-1888
1808	Frame arrangement	Class H1	18-7-1888
1873	Compound engine	Class B	21-9-1888
1883	Engineman's platform	Class H1	16-10-1888
1919	Pipe arrangement	Class H	6-11-1888
1931	Pipe & rod arrangement	Class I	15-11-1888
1959	Iron Firebox	Class A	7-12-1888
2011	Standard load & construction gauge N.W.N.E.R.		7-2-1889
2019	Boiler	Class J	16-2-1889
2021A	Frame template	Class J	18-2-1889
2033	Cylinder	Class J	28-2-1889
2062	Cab & splasher		17-3-1889
2109	Tender spring	Class J	25-4-1889
2109	Tender spring	NB 2 <sup>nd</sup> copy - 1 copy in roll B13, B15, C6, C8, D17, D20, D21, Q5, Q6	07/03/1911
2140	Lever reversing gear	Class B	27-5-1889
2152	Pipe & rod arrangement	Class J	6-6-1889
2158	Cross section through smoke box	Class I	15-6-1889
2171	Adam's patent blast pipe	Class C	3-7-1889

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
2185	Boiler stationary 3'-8" dia loco type		18-7-1889
2194	H.P. cylinders, compound engines		24-7-1889
2195	L.P. cylinders, compound engines		24-7-1889
2207	Cylinders. Combined views of compounds		8-8-1889
2272	Boiler	Class K	22-10-1889
2282	Plan of ports for 18" & 26"		26-10-1889
2292	General arrangement	Class J	2-11-1889
2301	Proposed loco buildings. Heaton Junction.		12-11-1889
2310	Cross section Class J		20-11-1889
2312	Tanks & cab	Class K	23-11-1889
2319	Frame arrangement	Class K	10-12-1889
2400	Chimney	Class K	26-2-1890
2405	Hind draw bar safety coupling & pin	Classes C, D, F, I, J	28-2-1890
2463	End view of goods engine		1-5-1890
2485	Intercepting valves 8"		21-5-1890
2486	Intercepting valves 6"		21-5-1890
2504	High pressure valve	Class B, C, F, I	13-6-1890
2573	Cab arrangement	Class C and C1	8-9-1890
2575	Gas works N.E.R. York		15-9-1890
2615	Clothing arrangement	Class B	17-10-1890
2631	Arrangement of Westinghouse brake pipe on tender	Class J	3-11-1890
2650	Westinghouse pipe arrangement on tender	Class F & I	17-11-1890
2653	Axlebox & axle for No. 66 engine		18-11-1890
2681	Intercepting & starting valve		19-12-1890
2683	Goods engine frame arrangement	Class C	19-12-1890



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Drawing No.	Title	More Info	Date
2685	General arrangement	Class G	13-1-1891
2758	Cab, tanks & coal bunker	Class L	26-3-1891
2773	Frame arrangement	Class I	27-4-1891
2808	Prop. Alternator. No. 66 engine		26-5-1891
2810	Alterations to No. 66 engine		28-5-1891
2826	Tie beam & details	Class L	15-5-1891
2843	Boiler	Class L (J-73)	19-6-1891
2878	Compound cylinders for No. 66 engine		30-6-1891
2879	Cylinder cover, low pressure		30-6-1891
2880	Steam chest cover		30-6-1891
2881	Pistons		30-6-1891
2882	Slide valve & frame, high pressure		8-7-1891
2883	Slide valve & frame, low pressure		10-7-1891
2886	Westinghouse brake details for 1480 class		3-8-1891
2918	Pipe & rod arrangement	Class L	10-9-1891
2944	Tank & cab arrangement, 66 engine altered		24-9-1891
2964	Bogie arrangement for No. 66 engine		16-10-1891
2965	Bogie castings for No. 66 engine		16-10-1891
2966	Bogie axlebox guide for No. 66 engine		16-10-1891
2967	Bogie axlebox guide for No. 66 engine		16-10-1891
2968	Bogie frame for No. 66 engine		16-10-1891
2969	Bogie spring beam details for No. 66 engine		16-10-1891
2970	Bogie spring for No. 66 engine		16-10-1891
2971	Bogie wheel, No.66 engine		19-10-1891
2973	Bogie check spring for No. 66 engine		28-10-1891

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
2979	Cylinder cover high pressure, No. 66 engine		30-10-1891
2981	High & low pressure piston rod for No. 66 engine		1-11-1891
2989	Tank communication pipe for No. 66 engine		9-1-1891
2999	Frame plates for No. 66 engine		23-11-1891
3010	Alterations, engine No. 66		5-12-1891
3017	Smoke box arrangement for No. 66 engine		10-12-1891
3018	Blast pipe for No. 66 engine		14-12-1891
3021	Elbow for steam pipe, No. 66 engine		16-12-1891
3024	Cylinder cock & starting gear details		18-12-1891
3170	Boiler	Class M	29-4-1892
3189	Motion bars	Class M and M1	13-5-1892
3196	Slide chains standard	Class L	18-5-1892
3236	Blast pipe		7-7-1892
3237	Brass elbow for lubricating bogie centre		7-7-1892
3264	Smoke box arrangement	Class M1	5-9-1892
3268	Smoke box arrangement	Class M	14-9-1892
3281	Standard sizes for bolts, nuts & pins		3-10-1892
3326	Pipe arrangement	Class M1	24-11-1892
3328	Pipe arrangement end elevation	Class M1	1-12-1892
3352	Vacuum brake arrangement		20-12-1892
3366	Frame arrangement	Class N	17-1-1893
3388	Smokebox arrangement	Class N	24-2-1893
3398	Arrangement of pipes on tender for engine exhaust	Class M and M1	12-4-1893
3407	Arrangement of transverse firebar	Class M1	6-5-1893

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Drawing No.	Title	More Info	Date
3418	Arrangement for changing headlight	Class E	9-6-1893
3434	Underhung tank	Class N	24-7-1893
3487	Frame arrangement	Class O	27-10-1893
3498	Bogie wheels	Class O	4-11-1893
3505	Centre casting & frame cross stay for No. 190 engine		11-11-1893
3518	Motion slide bar	Class O	23-11-1893
3520	Expansion & lifting link & connecting spindle	Class O	24-11-1893
3521	Heckes fuel economizer		25-11-1893
3524	Tanks, cab & coal bunker		30-1-1893
3535	Piston rod & cotter	Class O	12-12-1893
3544	Tank, cab & coal bunker arrangement, engine 190		21 12-1893
3563	Motion table		15-1-1894
3568	General arrangement of bogie	Class O	22-1-1894
3569	Alteration to frame, engine 190		25-1-1894
3571	Reversing rod	Class E1	25-1-1894
3615	Motion plate	Class P	26-2-1894
3623A	Smoke box	Class P	5-3-1894
3631	Springs	Class P	9-3-1894
3634	Sketch shewing 2 engines & snowplough	Class B	15-3-1894
3635	Support for footplate	Class P, P1, P2	15-3-1894
3648	General arrangement	Class M	29-3-1894
3656	Brake & injector arrangement 190 engine		4-4-1894
3657	Reversing shaft	Class P, P3	4-4-1894
3661	Details of Westinghouse brake		7-4-1894
3664	Tracing of boiler	Class P	11-4-1894

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
3671	Ploughs	Class O, P3	16-4-1894
3675	Pipe & rod arrangement	Class O	17-4-1894
3681	General arrangement of tender	Class M	25-4-1894
3684	C.S. wheel for tenders	Class P	2-5-1894
3685	Smokebox arrangement	Class M1	2-5-1894
3699	Brake details for engine 190		18-5-1894
3701	General arrangement	Class O	18-5-1894
3703	Cab	J24, J25	May 1894
3713	Counterweights, 190 engine		13-6-1894
3733	Alteration to smokebox arrangement	Class P	13-7-1894
3741	Diagram showing gradient, speed & vacuum in smokebox working, 6.44 a.m. East coast express from Newcastle to Edinburgh		21-7-1894
3742	Ditto, 12.15 p.m.		21-7-1894
3749	Ditto July 8		30-7-1894
3751	Outside elevation of engine	Class P	4-8-1894
3762	Arrangement of support for communication chord		21-8-1894
3795	Diagram showing gradient, speed & vacuum, 3.55		21-9-1894
3798	Smokebox arrangement	A	Jul-10
3812	General arrangement	Class P	31-10-1894
3898	Arrangement of 1639 engine		18-2-1895
3903	Cross section through smokebox No.1639		20-2-1895
3908	Westinghouse brake arrangement	Class C, C1	27-2-1895
3910	Arrangement showing connection between Westinghouse & vacuum train pipe on tender		28-2-1895

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Drawing No.	Title	More Info	Date
3913	Cross section No, 1619	Class M	11-3-1895
3925	Serve tube arrangement	Class M1	3-4-1895
3939	Piston valve covers 340 class	Class P1, P3	11-5-1895
3957	Addition to present 3940 gallon tender tank		26-7-1895
3960	Arrangement 5000 gallon tender		2-8-1895
3962	Bolt for roof bars	Class J	15-8-1895
3963	Gen. Drawing piston valve engine 340 class		20-8-1895
3984	Arrangement of reducing valve & asbestos stop cock to train heating 1463 class		11-9-1895
4006	Brake cylinder		9-10-1895
4020	Axle box guides		8-11-1895
4021	Spring details		12-11-1895
4029	7'-7¼" coupled wheels, new express		7-11-1895
4037	Cylinders 19 1/2" x 20" & Cylinders 20" x 26"	Class Q, Class Q1	16-11-1895
4038	Piston rods	Class Q, Q1	18-11-1895
4039	Motion bars	Class Q, Q1	18-11-1895
4048	Cylinder front cover	Class Q, Q1	20-11-1895
4075	Frame arrangement	Class Q1	19-12-1895
4076	Cab arrangement	Class Q1	20-12-1895
4082	Frame arrangement	Class Q	29-12-1895
4094	Brake lever	Class O	15-1-1896
4099	Engine buffer (rubber springs & ball bearings)		20-1-1896
4103	Arrangement of speed recorder 1622 engine	Class M	25-1-1896
4114	Pipe arrangement, end elevation	Class Q1	10-2-1896

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Drawing No.	Title	More Info	Date
4127	Arrangement of reversing screw & handle		20-2-1896
4134	Smoke box	Class Q, Q1	3-3-1896
4137	Inside trailing spring	Class J	5-3-1896
4165	Frame template	Class H2	27-4-1896
4168	Arrangement of water scoop on tenders		5-5-1896
4173	Ventilation for cab		12-5-1896
4194	General drawing	Class Q1	27-5-1896
4205	Frame arrangement	Class H2	9-6-1896
4208	Motion arrangement	Class H2	18-6-1896
4209	Roof bars, 398 class		18-6-1896
4214	Smokebox	H2	July 1896
4221	Water scoop on tenders with well		29-7-1896
4223	Ventilator for cab top	Class J	31-7-1896
4227	Pipe & rod arrangement	Class H2	9-9-1896
4252	Blast pipe, Grierson & Calveley's patent	Class O	26-1-1897
4286	General arrangement	Class H2	7-5-1897
4295	Tender arrangement with water scoop		10-6-1897
4314	Chimney with brass top for 66 engine		1-10-1897
4316	Motion arrangement , engine No. 1619		7-10-1897
4324	Slot links & lifting links, engine No. 1619		7-10-1897
4325	Outside cylinder, engine No. 1619		7-10-1897
4331	Smoke box combination comp & non comp, engine No. 1619		7-10-1897
4337	Outside cylinder eccentric sheaves, engine No. 1619		8-10-1897
4338	Inside cylinder eccentric sheaves, engine No. 1619		8-10-1897
4341	Connecting rod		8-10-1897

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4353A	Frame template arrangement	Class P1	8-10-1897
4362	Cylinders & steam chest front covers	Class P1	19-10-1897
4364	Crank axle	Class E1	22-10-1897
4365	Motion arrangement	Class P1	25-10-1897
4371	Boiler for engine No. 1619		30-10-1897
4376	Front sand box & splasher	Class E1	5-11-1897
4380	Frame arrangement	Class E1	10-11-1897
4386	Pressure gauge		22-11-1897
4392	Cylinders	Class E1	26-11-1897
4412	Pressure gauge grad. To 250 lbs.		23-12-1897
4413	Smokebox arrangement	Class P1	28-12-1897
4421	Arrangement of ashpan, engine No. 1619		4-1-1898
4424A	Regulator, engine 1619		5-1-1898
4426	Frame template, engine 1619		8-1-1898
4433	Chimney for engine 1619		12-1-1898
4441	Clothing arrangement, engine 1619		23-1-1898
4443	Cab & splashers, 1619 engine		1-2-1898
4447	Automatic low pressure cylinder & steam regulator		9-2-1898
4463	Cab & firebox fixings for engine 1619		14-3-1898
4471	Pipe & rod arrangement	Class P1	21-3-1898
4509	Arrangement of vacuum & Westinghouse pipes		20-5-1898
4517	Diagram of main line engine		11-6-1898
4539	Provision for exhaust cock	Class R	12-10-1898
4552	Cross section of roof bars	Class R, R1	18-11-1898
4561	General arrangement	Class P1	25-10-1898
4563	Frame arrangement	Class R	26-10-1898

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Drawing No.	Title	More Info	Date
4566	Smokebox	Class R	5-11-1898
4570	Bogie arrangement	Class R, R1	8-11-1898
4578	Tender frame arrangement	Class R	14-11-1898
4583	Water scoop arrangement	Class R	25-11-1898
4598	Name & number plate	Class Q1	23-12-1898
4615	Piston	Class S	12-1-1899
4616	Piston rod	Class S	12-1-1899
4617	Slide valve	Class S	13-1-1899
4624	Frame stay, inside motion plate	Class S	24-1-1899
4625	Guide bar bracket	Class S	24-1-1899
4627	Boiler	Class S	24-1-1899
4645	Cylinder for steam brake	Class F1	7-2-1899
4655	Motion table	Class S	17-2-1899
4660	Frame arrangement	Class S	21-2-1899
4683	Chimney	Class S, R, R1	7-3-1899
4689	Smokebox	Class S	11-3-1899
4741	Boiler mountings	Class S	15-5-1899
4745	Steam sanding arrangement	Class P1	30-5-1899
4754	Pipe & rod arrangement, end elevation	Class R, R1	6-6-1899
4764	Brake details for steam brake	Class P1	4-7-1899
4818	General arrangement	Class Q	19-9-1899
4824	Cylinders (piston valve)	Class M1	29-9-1899
4831	Guide bar & valve spindle crosshead	Class M1	7-10-1899
4832	Eccentric sheaves	Class M1	7-10-1899
4840	Frame arrangement	Class O	19-10-1899
4857	Blast pipe	Class M1	10-11-1899
4859	Smokebox arrangement	Class M1	16-11-1899



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
4872	General arrangement	Class R	29-11-1899
4880	Chimney	Class M1	5-12-1899
4887	Smokebox arrangement	Class I	16-12-1899
4897	Motion plate	Class G	28-12-1899
4907	Position of pipes on W.E. engines, carriages & E.C.J.S.		6-12-1898
4908	Smokebox arrangement		09/01/1900
4924	Bogie arrangement	Class G	27/01/1900
4937	Boiler	Class S	02/02/1900
4952	Eccentric straps	Class S1	28/02/1900
4953	Eccentric sheaves	Class S1	28/02/1900
4965	Front splasher & footplate	Class S1	12/03/1900
4968	Frame arrangement	Class S1	14/03/1900
4994	Smokebox arrangement	Class S1	12/04/1900
4997	Smokebox arrangement	Class K	12/04/1900
4998	Centre side rod	Class T	17/04/1900
4999	End side rod for L & Trailing	Class T	17/04/1900
5000	Connecting rod	Class T	19/04/1900
5002	Motion bar support	Class T	23/04/1900
5006	Axles	Class T	24/04/1900
5014	Wheel	Class T	04/05/1900
5028	Expansion & lifting links	Class T	16/05/1900
5029	Valve spindle rods	Class T	16/05/1900
5039	Slide bars	Class T	23/05/1900
5068	Platform support	Class T	14/06/1900
5082	Copper blast pipe	Class S	10/07/1900
5086	Smoke box	Class T	12/07/1900
5095	Doors for water tubes	Engine 1619	20/07/1900

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5097	Arrangement of water tubes & doors on firebox	Engine 1619	24-7-1900
5112	Cylinder water cock details		30/08/1900
5113	Cylinder water cock details		30/08/1900
5118	Whistle stand details	Class K	11/09/1900
5127	Motion arrangement	Class T	08/10/1900
5136	General arrangement	Class E1	02/11/1900
5139	Tender tanks	Class S	15/11/1900
5140	Pipe & rod arrangement	Class S1	16/11/1900
5162	Large whistle	Class S1 & T	04/01/1901
5168	Tender tanks		10/01/1901
5173	Arrangement of pipes, comb. & exhaust steam injector	Class S1	17/01/1901
5177	Mud door seat & cover	Class T	23.1.1901
5198	Standard head lamp loco		20/03/1901
5201	Pipe & rod arrangement	Class T	03/04/1901
5205	Pipe & rod arrangement	Class T	10/04/1901
5235	Oak buffer beam bolted onto existing steel beam.(superseded by 8868 dated 4-1915)	Class P1 & S1	05/06/1901
5252	Frame arrangement	Class U	08/07/1901
5262	NER system of spark arrester		15/08/1901
5264	Boiler & firebox for express engines		21/08/1901
5301	Frame arrangement	Engine No 66	04/10/1901
5303	Brake hanger bracket, hornblocks & frame stay	Engine No 66	11/10/1901
5304	Additions to end tank	Engine No 66	16/10/1901
5308	Bogie support	Engine No 66	21/10/1901
5309	Leading spring details	Engine No 66	22/10/1901

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5310	Leading spring details	Engine No 66	22/10/1901
5312	Horn clips & footstep	Engine No 66	23/10/1901
5313	Brake hanger rod & guide	Engine No 66	24/10/1901
5324	Glands for Esme packing	Class U	20/11/1901
5325	Firebox fixings	Engine No 66	21/11/1901
5328	Position of lamp irons on footplate	Class P1	22/11/1901
5334	Brake arrangement for bogie	Engine No 66	10/12/1901
5336	Brake details for bogie	Engine No 66	13/12/1901
5337	Brake details for bogie	Engine No 66	13/12/1901
5344	Bogie spring	Engine No 66 & 190	18/12/1901
5352	General arrangement	Class G (rebuilt)	07/01/1902
5353	Arrangement of reversing gear	Engine No 66	07/01/1902
5355	Arrangement of exhaust injector	Class T	14/01/1902
5362	Oak buffer beam	Class R, Q & Q1	22/01/1902
5368	Steam pipe connection for steam brake valve & position of exhaust injector	Class P1	28/01/1902
5378	Trailing sandbox & gear	Engine No 66	22/02/1902
5385	Pipe & rod arrangement	Class U	06/03/1902
5410	Brake arrangement	Engine No 66	15/05/1902
5412	Elbow for steam cock for oil burning	Class R & S	21/05/1902
5414	Arrangement of steam sanding	Class T	27/05/1902
5438	Westinghouse brake arrangement	Class T	14/07/1902
5444	Westinghouse brake arrangement	Class T	19/07/1902
5448	Reversing shaft alteration	Class S	29/07/1902
5449	Reversing shaft bracket shaft alteration	Class S	29/07/1902
5450	Expansion link	Class S	30/07/1902
5452	Steam chest cover, gland & ring	Class S	30/07/1902

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5459	Cylinder front cover for engines with tail end rod	Class T	07/08/1902
5474	Driving wheels	Engine No 957	25/09/1902
5479	Inside & outside frames	Engine No 957	07/10/1902
5481	Model of 6 chain curve		07/10/1902
5489	Arrangement of W/House brake	Class E	15/10/1902
5493	Leading Axle	Engine No 957	27/10/1902
5497	Leading axlebox & driving box keep	Engine No 957	03/11/1902
5511	Arrangement of steam brake	Class N	17/11/1902
5514	Arrangement of vacuum brake	Class T	29/11/1902
5516	Arrangement of vacuum brake on tender	Class T	09/12/1902
5522	Arrangement of vacuum brake on engine. End elevation		19/12/1902
5532	Cylinder cocks		15.1.1903
5541	Rocking levers & shaft		02/02/1903
5543	Pipe & rod arrangement	Engine No 957	02/02/1903
5553	Volute spring. McDonnell goods engines		13/02/1903
5555	Motion table. Piston valves	Class B	18/02/1903
5557A	Steadying stay tie	Class V09	18/02/1903
5561	Tube support	Class V	20/02/1903
5574	Low pressure cylinder		09/03/1903
5575	Front cylinder cover for low pressure cylinders		09/03/1903
5576	Back cylinder cover for low pressure cylinders		09/03/1903
5577	Piston cylinder cover for low pressure cylinders		09/03/1903
5578	Front cover for high pressure cylinders		09/03/1903

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
5579	Piston valve covers for low pressure cylinders		09/03/1903
5580	High pressure cylinders		09/03/1903
5580	High pressure cylinders	2 <sup>nd</sup> copy with some additions 4 cylinder compound	
5581	Piston for high pressure cylinders		09/03/1903
5582	7½" piston valve		09/03/1903
5583	Liners for 7½" piston valve		09/03/1903
5584	10" piston valve		09/03/1903
5585	Liners for 10" piston valve		09/03/1903
5586	Piston valve cover for high pressure cylinders		09/03/1903
5587	Low & high pressure valve spindles (Stephenson's)		09/03/1903
5588	Valve gear	4 cylinder compound	
5589	Rocking shaft	4 cylinder compound	
5590	Motion plate		10/03/1903
5591	Piston valve for high pressure cylinders		10.3.1903
5592	Crosshead for high pressure cylinder		10/03/1903
5593	Connecting rod for high pressure cylinders		10/03/1903
5594	Motion bars for high pressure cylinders		10/03/1903
5595	Piston rod for low pressure cylinders		10/03/1903
5596	Crank pin		10/03/1903
5597	Motion bars for low pressure cylinders		10/03/1903
5598	Connecting rod for low pressure cylinders		10/03/1903
5599	Expansion and lifting links	4 cylinder compound	

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Drawing No.	Title	More Info	Date
5600	Eccentric rods	4 cylinder compound	
5601	Eccentric straps	4 cylinder compound	
5602	Eccentric sheaves	4 cylinder compound	
5603	Reversing shaft	4 cylinder compound	
5604	Crank axle		10/03/1903
5605	7'-1¼" coupled wheels		10/03/1903
5607	Outside motion plate		10/03/1903
5608	Trailing axle		10/03/1903
5624	Safety valve & seat		11/03/1903
5632	Belpaire boiler for 4 cylinder compound		12/03/1903
5633	Smoke box arrangement	Class B	17/03/1903
5636	Longitudinal stays,	Class V	20/03/1903
5662	Tender tanks	Class V	08/04/1903
5689	Frame	Class P2 & P3	08/05/1903
5695	Smoke box fixing to frame	Class V	13/05/1903
5697	Smoke box	Class V	13/05/1903
5711	Outside view of front of engine showing position of lamp irons, buffers and drawgear		May-03
5719	Top steam chest cover & valve buckle	Class N	26/05/1903
5725	Frame arrangement	Class V	29/05/1903
5761	Tender frame	Class V	01/07/1903
5774	Horn clips	Class P1 & P3	11/07/1903
5775	Dome and cover	J26, J27	Jul-03
5779	Arrangement of Westinghouse & vacuum brake tender	Class V	17/07/1903
5786	Drag beam	Class P1 & P3	22/07/1903
5792	Sandbox & splasher	Class P1 & P3	29/07/1903

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5803	Back sandbox	Class P1 & P3	01/08/1903
5804	Copper plates. Ordering tracing		03/08/1903
5809	Pipe & rod arrangement	Class V	06/08/1903
5814	Plan of engine house for exhaust gas engine		19/08/1903
5815	Tar box for foul main. Gas works, York		24/08/1903
5816	Vacuum & pressure valve	Class R	25/08/1903
5818	Boiler	Q, R	Aug-03
5821	Oak buffer beam	M	Mar-03
5832	Reversing rod	Class P1 & P3	28/09/1903
5834	Smokebox arrangement	J26, J27	
5835	Chimney	Class P1 & P3	29/09/1903
5840	Cylinder water cock	Class P1 & P3	06/10/1903
5841	Valve gear details	Modification of Walchaert's gear 4 cylinder compound	
5842	Eccentric rod	Modification of Walchaert's gear 4 cylinder compound	
5843	Bracket for crosshead and anchor rod connection	Modification of Walchaert's gear 4 cylinder compound	
5844	Expansion link	Modification of Walchaert's gear 4 cylinder compound	
5845	Valve gear details	Modification of Walchaert's gear 4 cylinder compound	
5846	Eccentric straps	Modification of Walchaert's gear 4 cylinder compound	
5846 part copy	Eccentric strap liner	4 cylinder compound	Oct-05
5847	Valve levers and shaft	Modification of Walchaert's gear 4 cylinder compound	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5848	Guide for valve spindles	Modification of Walchaert's gear 4 cylinder compound	
5849	Expansion links bracket	Modification of Walchaert's gear 4 cylinder compound	
5851	Sandbox details	Class P1 & P3	10/10/1903
5853	Arrangement for steam brake cock	Class P1	14/10/1903
5859	Water cock details for engine & tender	Class V	19/10/1903
5862	Inside motion plate for 4-cylinder engine		27/10/1903
5865	For ordering low pressure piston rod		30/10/1903
5868	Reversing shaft. Carriage & frame support		03/11/1903
5871	Support for valve rods	Modification of Walchaert's gear 4 cylinder compound	
5873	Bracket for valve levers and shaft	Modification of Walchaert's gear 4 cylinder compound	
5874	Cab window, front, for altered cab	Class V	05/11/1903
5884	Pipe & rod arrangement	Class P1	17/11/1903
5896	Back cylinder cover low pressure, Walschearts gear, 4-cylinder engine		30/11/1903
5898	Reversing shaft and levers	Modification of Walchaert's gear 4 cylinder compound	
5904	Steam brake arrangement	Class C, C1	14/12/1903
5940	Footplate support for 4 cylinder compound		03/02/1904
5941	Lever support in tool box for engines fitted with reversing gear		04/02/1904
5944	Arrangement of water scoop on tender	Macdonnel goods engine No 498	Feb-04
5954	Bracket for levers for steam reversing gear	For both Stephenson gear and Walchaert's gear 4 cylinder compound	
5955	Levers for steam reversing gear	4 cylinder compound	
5956	Blower (valve)	4 cylinder compound	



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
5957	Slide for cab roof	4 cylinder compound	
5959	Front windows for cab	4 cylinder compound	
5967	Stand for donkey pumps, 4 cylinder comp		14/03/1904
5970	Screwed rod for automatic low pressure cylinder steam regulator, 4 cylinder		16/03/1904
5973	Side windows for cab	4 cylinder compound	Mar-04
5974	Cylinder water cocks , 4-cylinder compound		17/03/1904
5977	Connecting steampipe between high and low pressure cylinders	4 cylinder compound	Mar-04
5980	Cab & fittings, 4 cylinder comp		30/03/1904
5998	Chimney	Class V	May-04
5999	Seating on firebox back, 4 cylinder comp		13/05/1904
6003	Riveting for foundation ring corners		19/05/1904
6005	Bogie axle, engine 957		21/05/1904
6014	Regulator handle, 4 cylinder comp	See 8739	06/06/1904
6017	Hand rails & pillars, 4 cylinder comp		14/06/1904
6018	Brackets for lubricator pressure gauge & drivers valve, 4 cylinder comp		16/06/1904
6020	Fire door & details	Class R, S1	14/06/1904
6046	Fog signal apparatus	Class V	16/09/1904
6049	Details for steam brake & lubricator	Class P2	23/09/1904
6073	Frame arrangement	Class G, rebuilt	04/01/1905
6080	Tube arrangements	Class P2, V	24/01/1905
6081	Tube arrangements, smokebox end	Class P2, V	26/01/1905
6083	Connecting rod	Class M1, Q, Q1, R	27/01/1905
6090	Footsteps & stays for frame tenders	Class C to R	16/02/1905
6096	Arrangement of tender	Class J, M, M1, Q, Q1	22/02/1905

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6112	Hornish mechanical boiler cleaner	Class P2	10/05/1905
6113	Pad for Hornish mechanical boiler cleaner	Class P2	15/05/1905
6114	Tee piece for Hornish mechanical boiler cleaner	Class P2	15/05/1905
6122	Crank axle	Class P2	06/06/1905
6126	Leading & driving horn block	Class P2, P3	07/06/1905
6127	Trailing horn block	Class P2, P3	07/06/1905
6131	Motion bars, Walschaerts 4-cylinder compound		16/06/1905
6132	Corner stay, 4 cylinder comp		16/06/1905
6133	Trailing wheel, carrying		16/06/1905
6134	Crank axle, Walschaerts, 4 cylinder comp		16/06/1905
6135	Outside frame stay, back end, 4 cylinder comp		16/06/1905
6136	Outside frame stay, front end, 4 cylinder comp		16/06/1905
6138	Valve spindles, modification of Walschaerts		16/06/1905
6139	Bogie centre & radial castings, 4 cylinder comp		16/06/1905
6140	Bogie wheel, 4 cylinder comp		16/06/1905
6141	Bogie spring bracket, 4 cylinder comp		16/06/1905
6142	Bogie arrangement, 4 cylinder comp		16/06/1905
6143	Bogie details, 4 cylinder comp		16/06/1905
6144	Bogie frame template, 4 cylinder comp		16/06/1905
6145	Bogie axle, 4 cylinder comp		16/06/1905
6146	Saddle stay for smoke box, 4 cylinder comp		16/06/1905
6147	Frame stay, 4 cylinder comp		16/06/1905

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Drawing No.	Title	More Info	Date
6148	Driving spring, 4-cylinder comp		19/06/1905
6148B	Spring (coupled wheels)	4 cylinder compound C8	Retraced April 1927
6149	Safety valve, 4 cylinder compound		19/06/1905
6150A	Spring for trailing carrying wheel	A2, C8	
6153	Horn clips	Class P3, P3 sup	21/06/1905
6156	Coupling rods, 4 cylinder, compound		23/06/1905
6157	Fourway oil box	4 cylinder compound	
6164	Cylinder water cock details, 4 cylinder compound		16/06/1905
6166	Eccentric sheaves	Modification of Walchaert's gear 4 cylinder compound engine No 731	May-06
6167	Splashers	4 cylinder compound	
6168	Bogie splasher	4 cylinder compound	
6169	Ashpan arrangement, 4 cylinder compound		26/06/1905
6170	Ashpan details, 4 cylinder compound		26/06/1905
6171	Firebar carriers, 4 cylinder compound		26/06/1905
6172	Firebar, 4 cylinder compound		26/06/1905
6173	Clips for brake pipes	4 cylinder compound	
6176	Brake details, 4 cylinder compound		26/06/1905
6179	Hoops & hangers for Westinghouse brake		26/06/1905
6181	Chimney	4 cylinder compound	Nov-05
6182	Brass unions for smokebox and flusher	4 cylinder compound	
6182 part copy	Cock for sight feed lubricator	4 cylinder compound	Jul-06
6184	Brass unions	4 cylinder compound	
6185	Steam elbow for smokebox & flusher		26/06/1905

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6186	Blast pipe	See DS 8726	26/06/1905
6187	Elbow for exhaust pipe vacuum brake	4 cylinder compound	
6188	Internal steam pipe	See DS 8641D	26/06/1905
6189	Regulator stuffing box	See 6783D	26/06/1905
6190	Regulator details	See 9739D	26/06/1905
6192	Steam reversing gear oil cylinder	4 cylinder compound	Aug-04
6193	Steam reversing gear steam cylinder	4 cylinder compound	Aug-04
6194	Wrought iron details for steam reversing gear	4 cylinder compound	
6195	Reversing rod	4 cylinder compound	Mar-06
6196	Reversing lever	Modification of Walchaert's gear 4 cylinder compound	
6197	Valves for steam reversing gear	4 cylinder compound	Aug-04
6198	Whistle & standard, 4 cylinder compound		26/06/1905
6200	Non return valve, 4 cylinder compound		26/06/1905
6201	Steam cock for donkey pump, 4 cylinder compound		26/06/1905
6202	Brass union for pressure gauge and flushers	4 cylinder compound	
6204	Sand box leading, 4 cylinder compound		26/06/1905
6204	Sand box trailing, 4 cylinder compound		26/06/1905
6207	Horn block clip for trailing wheels	4 cylinder compound	
6208	Plough, 4 cylinder compound		26/06/1905
6209	Drag beam, 4 cylinder compound		26/06/1905
6211	Frame arrangement	Class P3	03/07/1905
6212	Spring details	Class P3	03/07/1905
6214	Spring, hanger & bracket (tender)		05/07/1905

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Drawing No.	Title	More Info	Date
6217	Position of handrail & pillars, B. large tank		08/07/1905
6222	Eccentric sheaves	Class P3	13/07/1905
6225	Pin for crosshead	Class T	14/07/1905
6226	Frame arrangement , 4-cylinder compound, Stephenson's		14/07/1905
6238	Handle for scum cock, Hornish boiler cleaner		10/08/1905
6244	Clothing arrangement 4 C.C.		28/08/1905
6245	Vacuum brake arrangement	Class P1	28/08/1905
6246	Inside stiffening plates & pads for Walschaerts plugs		28/08/1905
6248	Dome cover, 4 C.C.		01/09/1905
6249	Safety valve cover, 4 C.C.		01/09/1905
6250	Couplings for main reservoir	4 cylinder compound	
6253	Front windows for cab	4 cylinder compound	Sep-05
6256	W.I. details, safety valve, 4 C.C.		13/09/1905
6259	Sandbox for trailing coupled wheels, 4 C.C.		21/09/1905
6260	Sandbox lid, 4 C.C.		22/09/1905
6261	Arrangement of tender water scoop	901 Class	22/09/1905
6267	Motion arrangement, modification of Stephenson's gear		02/10/1905
6267	Motion arrangement	Modification of Stephenson valve gear - W H Smith's system 4 cylinder compound	
6267A	Motion arrangement (plan)	Steam passages delineated by letters - Stephenson valve gear 4 cylinder compound	
6267B	Valve diagram for notches 2 and 4	4 cylinder compound	

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Drawing No.	Title	More Info	Date
6267C	Valve diagram for notches 2 and 4	4 cylinder compound	
6267E	Valve diagram for notches 2 and 4	4 cylinder compound	
6270	Seat for driver	4 cylinder compound	Oct-05
6271	Exhaust valve & connecting pipe, 4 C.C.		09/10/1905
6273	Hornish mechanical boiler cleaner	Class B, C	11/10/1905
6275	Details in connection with driver's seat	4 cylinder compound	Oct-05
6277	Details for exhaust valve, 4 C.C.		13/10/1905
6279	Chimney hood	Class V	19/10/1905
6282	Ashpan arrangement	Class P3, P3 sup	23-19-1905
6283	ashpan details	Class P3, P3 sup	23/10/1905
6284	Pipe & rod arrangement for Westinghouse brake. B		23/10/1905
6289	General arrangement. Class 57, engines 1483 & 91		27/10/1905
6293	Brackets for carrying sight feed lubricators, 4 C.C.		02/11/1905
6294	Westinghouse brake arrangement (2-13" cylinders)	Class S	03/11/1905
6295	18" vertical push cylinder		06/11/1905
6300	24" vacuum brake cylinder, tender, 4 C.C.		07/11/1905
6306	Pipe & rod arrangement, 4 C.C.		14/11/1905
6308	Brass connections, steam sanding gear, 4 C.C.		14/11/1905
6309	Wrought iron handrails for front splasher, 4 C.C.		15/11/1905
6312	Wheels (increased crank pin boss)	Class P, P1, P2, U, P3 sup	21/11/1905
6314	Arrangement showing cladding for high and low pressure cylinders, 4 C.C.		21/11/1905

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6317	40 combination ejector with automatic vac & pressure valve 4 C.C.		27/11/1905
6321	Fall plate, 4 C.C.		30/11/1905
6334	Wrought iron pipe support, 4 C.C.		11/12/1905
6337	Vacuum exhaust pipe & bracket, 4 C.C.		14/12/1905
6340	Steel cover, H.P. cylinder, front end, 4 C.C.		22/12/1905
6341	Steel cover, H.P. cylinder, back end, 4 C.C.		23/12/1905
6344	Cladding plates for back end of L.P. cylinder, 4 C.C.		04/01/1906
6345	General arrangement of Westinghouse & Vac brakes	Class R	09/01/1906
6349	Metallic packing, 4 C.C.		11/01/1905
6350	Bottom cover plate for smokebox, 4 C.C.	See DS 8784	12/01/1905
6352	Bracket for driver's valve, 4 C.C.		16/01/1906
6355	Adoption of British Standard rail for main lines		22/01/1906
6356	Brake blocks for engine tenders		23/01/1906
6366	Guide for reversing rod	Class C rebuilds	30/01/1906
6374	Crosshead	Class V	07/02/1906
6382	Exhaust pipe	Class R replacement, Dr. No.4776	23/01/1906
6390	Pressure gauge pipe from high pressure cylinder	For engine fitted with Walchaert's gear only 4 cylinder compound	Mar-06
6394	Firebar carriers	Class S, S1, V, P1/03, P2, P3	07/03/1906
6396	Provision and position for water gauge and pyrometer - LH side smokebox	4 cylinder compound	Mar-06
6399	Four way oil box for axleboxes	4 cylinder compound	Mar-06
6401	Motion table modification of Stephenson's, 4 C.C.		14/03/1906
6404	Back plate of firebox	Class M1	16/03/1906

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6405	Tee union for vertical push cylinder	4 cylinder compound	Mar-06
6431	Tender weatherboard	Class P2	30/04/1906
6433	Cab & splasher	Class S	03/05/1906
6437	Front splasher & footplate	Class S	16/05/1906
6443	Steam brake valve, standard		22/05/1906
6444	Spark arrester & ash ejector	Class R	22/05/1906
6450	Firebar carrier to take firebars 3" higher at front end		05/06/1906
6451	Boiler	Class S	06/06/1906
6454	Glands for metallic packing, 4 C.C.		14/06/1906
6474	Tender axle box		13/07/1906
6478	Asbestos ring for smokebox door	Class R	23/07/1906
6480	Arrangement of drag bet. engine & tender, solid draw bar	Class T	25/07/1906
6482	C.I. drag for front of tender	Class R, V	26/07/1906
6484	Standard stay between tube plates	All classes	27/07/1906
6485	Back end of brake rod & adjusting nut	Class E	30/07/1906
6487	Eccentric rods	Class T	02/08/1906
6488	Tender frame(with steel flanged drag box)	Class T	02/08/1906
6489	Tender frame (with steel flanged drag box)	Class R	02/08/1906
6490	Exhaust branch pipe for piston valve	Class T	03/08/1906
6491	Boiler	Class T	03/07/1906
6494	Hind draw bar, safety coupling & pins	Class T	09/08/1906
6497	Piston valve with spring rings	Class R	10/08/1906
6500	Arrangement of brake on tender	Class T1	10/08/1906
6502	Leading & driving sandbox gear (forward)	Class T	11/08/1906
6505	Driving & trailing sandbox gear (backward)	Class T1	20/08/1906



Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
6506	Driving sandboxes	Class T1	23/08/1906
6507	Arrangement of exhaust injector	Class R, 1906 builds	28/08/1906
6518	Frame stay	Class T1	18/09/1906
6521	Cab	Class T1	19/09/1906
6537	Arrangement of No. 11 m/m exhaust injector	Class T1	26/10/1906
6543	Double eye, pin & washer for tender draw gear	Class V, R, C	05/11/1906
6566	Arrangement of tender	Class T1	01/12/1906
6572	Tanks, cab & coal bunker, engine No. 66		04/12/1906
6580	Pipe & rod arrangement	Class T1/06	13/12/1906
6584	Standard whistles		19/12/1906
6585	Piston valve with spring rings	Class V	28/12/1906
6597	Pipe & rod arrangement	Class S	25/01/1907
6634	Guide bar bracket	Class W	12/03/1907
6641	Frame arrangement	Class W	18/03/1907
6657	Standard side windows for cab	Superseded by new tracing of same number	
6657	Cab side windows	Except Q7 - fitted to J39 NE standard before 1927	Dec-37
6658	Alteration to present crosshead with solid shoes		08/04/1907
6659	Smokebox door with asbestos ring	Superseded by I-761 13-10-38	Apr-07
6687	Tanks & cab arrangement	Class W	10/05/1907
6696	Brass union on smokebox for sight feed lubricator	4 cylinder compound	May-07
6699	Extended smokebox	Class R	21-1907
6712	Regulator handle "Buffalo"	Class W	03/06/1907
6714	Arrangement of bell	Class E engine at Hull docks	04/06/1907

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
6719	Bracket for vacuum ejector, 4 C.C.		10/06/1907
6720	Bracket for driver's brake, 4 C.C.		11/06/1907
6738	Expanded metal spark arrester	Class W	08/07/1907
6744	Smokebox arrangement	Class W	10/07/1907
6745	Lamp iron for bunker	Class W	11/07/1907
6753	Adjustable spring hanger for "D" springs, No. 66 engine		12/07/1907
6756	Blower union	Class W	17/07/1907
6760	Arrangement of inside frame, No. 66 engine		20/07/1907
6760A	Engine frame plate for ordering		19/07/1907
6762	Hand rails & pillars	Class W	22/07/1907
6766	Boiler clothing & details	Class W	27/07/1907
6774	Motion plate for No. 66 engine "Aerolok"		05/08/1907
6777	Adjustable spring hangers, leading & driving (inside)		08/08/1907
6781	Inside driving spring No. 66 engine		13/08/1907
6781	Brick arch	Class P3/07	12/11/1907
6784	Oil boxes for crosshead & slide spindle & brass unions	Class P3/07	14/11/1907
6785	Boiler	Class P2 (general)	21/08/1907
6786	Arrangement of deposit chamber, 2118 engine.	Class T	23/08/1907
6790	Pad for No. 10 Gresham & Craven's combination injector	Class P3	26/08/1907
6792	Spark arrester		27/08/1907
6793	Boiler	Class A, G1	28/08/1907
6794	Inside driving horn blocks, No, 66 engine		28/08/1907
6795	Inside driving axle boxes, No 66 engine		28/07/1907

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6798	Boiler	Class P3	29/08/1907
6799	Brackets for driving & trailing oil boxes	Class T	30/08/1907
6801	Pad for steam sand valve, Engine No. 66		05/09/1907
6804	Drag beam	Class P3, P3 sup	07/09/1907
6807	Expansion bracket clips No. 66 engine		11/09/1907
6808	General arrangement of stationary boiler for Low Smith's Shop		18/09/1907
6811	Arrangement of variable blast pipe, 1042 engine		27/09/1907
6818	Tender tank	Class P3/07	04/10/1907
6819	Cylinder	Class P3/07	04/10/1907
6821	Frame arrangement	Class P3/07	07/10/1907
6822	Smokebox door with asbestos ring	Superseded by 1-760 P3, T1, S, A-8	Oct-07
6823	Cross shaft on motion plate, cylinder cock gear, engine 66		07/10/1907
6824	Arrangement of cylinder cock & damper gear, engine 66		07/10/1907
6833	Coupling rods	Class P3/07	10/10/1907
6835	Pie & rod arrangement	Class W	14/10/1907
6836	End view	Class W	14/10/1907
6837	Variable blast pipe	Class P3/07	15/10/1907
6838	Smokebox	Class P3	16/10/1907
6839	Cab arrangement	Class P3/07	18/10/1907
6841	Leading sand box & leading & driving splasher	Class P3/07	23/10/1907
6842	Corner stays	Class P3/07	23/10/1907
6843	Slide valve	Class P3/07 Superseded by 7038D	24/10/1907
6844	Brake details on tender	Class P3/07	25/10/1907
6845	Valve spindle	Class P3/07	25/10/1907

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6849	Hand rails & pillars for cab & tender	Class P3/07	29/10/1907
6851	Back cylinder cover	Class P3/07	30/10/1907
6853	Regulator (new tracing)	Class P3/07	30/10/1907
6856	Tender frame arrangement	Class P3/07	01/11/1907
6860	Details for steam brake	Class P3/07	05/11/1907
6861	Arrangement for steam brake	Class P3/07	05/11/1907
6865	Boiler details	Class P3/07	07/11/1907
6866	Spring details	Class P3/07	07/11/1907
6869	Frame arrangement	Class S/07	08/11/1907
6870	Brass casting for blower & spark arrester	Class P3	08/11/1907
6872	Blower & unions	Class P3/07	12/11/1907
6875	Air pipe on tender	Class P3/07	15/11/1907
6876	Boiler	Class S/07	15/11/1907
6881	Cab & details 995 engine	Class H1	18/11/1907
6882	Front fall plate & hinge	Class P3/07	18/11/1907
6884	Oak buffer beam	Class P3/07	19/11/1907
6886	Details for variable blast pipe	Class P3/07	20/11/1907
6889	Piston valve covers (same as class S)	Class S/07	23/11/1907
6892	Release spring for brake blocks	Class P3/07	29/11/1907
6893	Protection plate for firehole	Class V, P3/07	02/12/1907
6900	Wooden platform	Class P3/07	06/12/1907
6906	General drawing, 4 cylinder comp. Walschaerts		11/12/1907
6907	Cab & splasher	Class S/07	12/12/1907
6912	Arrangement of non-slip starter	Class P	06/01/1908
6916	Smokebox arrangement	Class S/07	15/01/1908
6919	Reversing shaft bracket	Class P3/07	20/01/1908
6927	Metallic packing piston rod	Class S/07	30/01/1908

Darlington Locomotive Drawings List

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
6931	Boiler	Class R1	31/01/1907
6938	Showing wheel seat & axles	Class P3	10/02/1908
6942	Protection plate, Hornish cleaner		14/02/1908
6943	Boiler pads on back plate	Class R1	14/02/1908
6985	Sketch shewing method of repair fractured (R.H. driving) wheel, engine 66		21/03/1908
6999	Cab & splashers	Class R1	09/04/1908
7000	Pipe & rod arrangement	Class S/07	13/04/1908
7002	Boiler	Class 8 (J74)	Mar-10
7014	Frame arrangement	Class R1	30/04/1908
7015	Chimney	Class R1	01/05/1908
7021	Pipe & rod arrangements, end views		05/05/1908
7023	Arrangement of water scoop on tender	Class R1	06/05/1908
7027	Regulator	Class R1	08/05/1908
7037	Boiler clothing & details	Class R1	22/05/1908
7040	Arrangement of variable blast pipe gear	Class R1	29/05/1908
7048	Driving crank pins for 4 C.C.		08/06/1908
7050	Connecting rod, 4 C.C.		09/06/1908
7054	Hornish mechanical boiler cleaner	Class O	22/06/1908
7056	Smoke box arrangement	Class R1	26/06/1908
7067	Boiler	Class O	27/07/1908
7071	Stones patent "louvre" spark arrester	Class R1.08	04/08/1908
7073	Boiler	Cancel's drg No. 6452	06/08/1908
7076	Horn blocks	Class X	12/08/1908
7086	Pipe & rod arrangement, end view	Class R1.08	25/08/1908
7091	Hanger for pressure gauge	Class R1.08	02/09/1908

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
7094	Bogie bearing spring standard	Replaces drawing 7094 dated September 1908 and drawing 7811 dated December 1910	Jun-43
7097	Boiler	Cancel drg No. 6492. Class Q	12/08/1908
7103	Bogie arrangement	Cancel drg No. 1443. Class Q, Q1, F1, I, J, M1, 340	29/09/1908
7104	Drivers seat & leaning board	Class P3	30/09/1908
7108	Screw coupling for express passenger engines & tenders	Standard	08/10/1908
7129	General arrangement	Class R1	26/10/1908
7134	General arrangement of steel snowplough		
7139	Boiler	Class X	05/11/1908
7143	Cast steel bracket for swing tanks & rocking lever	Class X	13/11/1908
7153	Details of cab roof	Class X	13/11/1908
7154	Frame arrangement	X, T1 (Jan 1921)	Jan-08
7156	Variable blast pipe (patent)	X For X25 and T1 see drawing 10124	Nov-08
7168	Chimney	S Retraced October 1916	Dec-08
7172	Check spring for bogie	Class W, X	08/12/1908
7192	Smokebox	Class X	04/01/1909
7192	Smokebox	X X25 and T1 see drawing 11192	? corner of drawing missing
7193	Relative position of wheels when centre	Class X	04/01/1909
7210	Stones louvre spark arrestor	X	Jan-09
7215	Fixing to smokebox	Class X	10/02/1909
7232	General arrangement of bogie	Class X	09/03/1909
7253	Back cylinder cover	Engine No. 66	05/04/1909
7269	Outside driving spring	Engine No. 66	24/04/1909

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
7276	End view pipe & rod arrangement 28	Class X	28/04/1909
7281	Arrangement of Hornish boiler cleaner	BTP	May-09
7292	Coupling for flexible tubing	Class V, V1	19/05/1909
7300	W.I. details for variable blast pipe	Class G	20/05/1909
7306	Rod arrangement for variable blast pipe	C	Jan-09
7313	Smokebox arrangement	V09	
7313 part copy	Smokebox	V09	
7316	Firebox fittings	Class V.09	18/06/1909
7318	Boiler	V09	
7324	Rod arrangement for variable blast pipe	Class R	28/06/1909
7328	Piston	V09 (C6) Detail notes August 1927 & February 1935	Jul-09
7342	General view of frame & detail of brake rod	290	13/07/1909
7348	Detail of footsteps	290	13/07/1909
7352	Detail of side tanks & coal bunker	290	13/07/1909
7374	Engine & tender draw hook for screw coupling	Class V.09	17/07/1909
7386	Arrangement	901	11/08/1909
7390	Smokebox - arrangement of variable blast pipe and louvre spark arrester	R	Aug-09
7393	Draught inducer & chimney	Macleans patent. Class G	25/08/1909
7397	Arrangement & details for blow off cock	Class V.09	27/08/1909
7398	Cab & splashers	Class V.09	31/08/1909
7400	Frame arrangement	Class V.09	01/09/1909
7401	Pad for servo regulating valve	Class V.09	03/09/1909
7402	Arrangement of blow off cock gear	Class R	04/09/1909
7404	Hulburd patent servo regulator	Class R1, V.09	08/09/1909

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
7405	Details of blow off cock	Class V.09	09/09/1909
7416	Arrangement of blow off cock	Class S, S1	22/09/1909
7430	Arrangement of blow off cock	4.C.C	06/10/1909
7434	Cab & splashers	Class S1	07/10/1909
7441	Position of blow off cock	Class V.09	12/10/1909
7442	Arrangement of pipes for servo regulator	Class V.09	12/10/1909
7444	Hulburds patent servo valve	Class V.09	14/10/1909
7446	Position of fog signal	Class V.09	16/10/1909
7448	Section of dome	Class V.09	19/10/1909
7452	Bottom of regulator & carriers for servo valve	Class V.09	07/10/1909
7453	Spur wheels & clutches for regulator gear	Auto car 624 engine	01/11/1909
7455	Regulator bracket	Auto car 624 engine	03/11/1909
7456	Regulator details. Wrought iron	Auto car 624 engine	03/11/1909
7463	Cylinders	Class P3	16/11/1909
7465	Wrought iron details for reversing & regulating gear	Class V.09	17/11/1909
7466	Pipe & rod arrangement	Class V.09	18/11/1909
7467	Pipe & rod arrangement. End view	Class V.09	18/11/1909
7468	Smoke box arrangement	Class V.09	18/11/1909
7475	Plates for bottom of smoke box	Class G	26/11/1909
7478	Position of blow off cock	Class C	30/11/1909
7479	Position of blow off cock	E.E.L.	02/12/1909
7480	Arrangement & detail of blow off cock	Class A, Q	02/12/1909
7481	Shafts & spindles. Wrought iron	Auto car engine No. 624	02/12/1909
7482	Position of blow off cock on throat plate	Class M	07/12/1909
7483	Carriers for bottom of servo regulator	Class V.09, R1	07/12/1909



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
7485	Brackets for regulating & reversing gear. Wrought iron	Auto car engine No. 624	08/12/1909
7486	Position of blow off cock	Class U	08/12/1909
7488	Position of blow off cock	Class F1	09/12/1909
7489	Bearings for sprocket wheels & shafts	Auto car engine No. 624	13/12/1909
7492	Sprocket wheels & clutch for reversing gear	Auto car	17/12/1909
7500	Axlebox	Class T, T1. Cancels 5004	17/01/1910
7503	Fog signal	Standard	25/01/1910
7511	Handle for servo regulator	Class V.09	03/02/1910
7512	Axlebox	P3 sup., P3	03/02/1910
7518	Frame arrangement	Class M1	08/02/1910
7521	Boiler	398. cancels drg No. 1091	18/02/1910
7523	Boiler	Engine No. 1619	23/02/1910
7525	Hills patent steam trap		24/02/1910
7529	Brass casing for vacuum ejector exhaust	Class R	07/03/1910
7543	Drag casting. Cast steel	Class Y	05/04/1910
7546	Frame arrangement	Class Y	08/04/1910
7553	General arrangement	Also 7553-1	13/04/1910
7554	Boilers	Class Y	13/04/1910
7562	Brick arch	Class Y	13/04/1910
7564	Cab & splashers	Class V	19/04/1910
7578	Chimney	Class Y	02/05/1910
7584	Boiler	Class F1	05/05/1910
7593	Tanks cab & bunker	Class Y	12/05/1910
7595	Hulburds servo patent regulator	Class T	13/05/1910
7597	Radial axlebox	Class Y	18/05/1910
7617	Smoke box arrangement	Class Y	31/05/1910

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
7619	Frame, platform bolts & studs	Class Y	02/06/1910
7629	Frame, reversing gear bolts & studs	Class Y	09/06/1910
7638	Slide valve	Cancels drg No. 3500. Supersedes 6843. Class O, P, P1, P2, P3, U	17/06/1910
7639	Bolts & studs for ashpan, brake gear leading sand box & tank details	Class Y	17/06/1910
7643	Cast iron eccentric straps	To replace drg No. 3573. Class P, P1, P2, P3, U28	04/07/1910
7644	Bogie arrangement & radial arrangement , bolts & studs	Class Y	05/07/1910
7646	Bolts & studs for motion gear	Class Y	11/07/1910
7649	Bolts & studs for boiler	Class Y	15/07/1910
7653	Misc. bolts & studs	Class Y	19/07/1910
7665A	Pipe and rod arrangement end views	Y (A7)	
7682	Arrangement for blow off cock	Class G1	23/09/1910
7702	General arrangement	Class Y	21/10/1910
7705	Outside connecting rod	Class Z	24/10/1910
7731	Back cylinder covers	Class Z	03/11/1910
7742	Riveting for firehole	Class P3 sup, V P2, P3, V.09	09/11/1910
7744	Boiler	Class Z	10/11/1910
7745	Safety valves & cover	Class Z	10/11/1910
7772	Inside connecting rod	Class Z	23/11/1910
7777	Tender frame	Class Z	25/11/1910
7778	Tender tank	Z, Z1	Dec-10
7779	Arrangement of Westinghouse brake and steam heating and vacuum train pipes on tender	Z, Z1 (C7)	Feb-11
7780	Tender Westinghouse brake details	Class Z	25/11/1910
7783	Tender spring	Class Z	25/11/1910

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Drawing No.	Title	More Info	Date
7785	Tender hornblock clips	Class Z	25/11/1910
7785	Clip for hornblocks for tenders	Z, Z1, T2, T3, S3, P3 and 4-6-2 type, 4125 gallons <b>second copy</b>	Jan-11
7786	Tender axlebox guide	Class Z	25/11/1910
7786	Tender axlebox guides	A2, C7, J27, Q7, B16 A2 converted to J39 dated September 1934 <b>third copy</b>	Dec-10
7787	Cast iron drag for front of tender	Class Z	06/12/1910
7792	Lamp irons for smoke box & tender foot plate	Class Z	26/12/1910
7820	Arrangement for hand sanding	Class Y	07/12/1910
7824	Cab & splashers	Class Z	08/12/1910
7828	Handrail on back end of tender	Class Z	12/12/1910
7831	Smokebox	Class Z	13/12/1910
7843-1	Frame arrangement	Q5/2	Jan-11
7843	Frame arrangement	T1/10, Q5/10, Q5/35	Jan-11
7845	Water cock on tenders	Class Z	22/12/1910
7848	Feed water cock for tenders	Class Z	23/12/1910
7851	Double eye, pin & washer for tender draw gear	Class Z	29/12/1910
7852	Boiler	Class T1.10	29/12/1910
7856	Spring details	Class T1.10	30/12/1910
7857	Hand brake details for tender	Class Z	30/12/1910
7863	Water gauge for tender	Class Z	03/01/1911
7864	Air pipe on tenders	Class Z	03/01/1911
7865	Cover for air pipe on tenders	Class Z	03/01/1911
7868	Elbow for exhaust pipe	Class Z	03/01/1911
7869	Plates for bottom of smoke box	Class Z	03/01/1911
7871	Lid for tender fitted with water scoop	Class Z	06/01/1911
7875	Tank details for water scoop	Class Z	08/01/1911

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
7880	Hanger for pressure gauge	Class Z	12/01/1911
7888	Chimney	Class T1.10	18/01/1911
7893	Details of water pipe connection	Class Z	20/01/1911
7900	2-Way oil box	Class P2	26/01/1911
7908	Glands & packing	Class T1.10	01/01/1911
7910	Arrangement of blow off cock	Class P2	06/02/1911
7917	Arrangement of water scoop	Class Z	15/02/1911
7919	Arrangement of brake pipes & details of clips	Standard	18/02/1911
7922	Reversing & regulator details in carriage auto-car	Auto car engine No. 624	20/02/1911
7924	Smoke box arrangement	Class T1/10	24/02/1911
7931	Sketch showing position of brake pipes & train heating on back of tender	Class Z	28/02/1911
7939	Pipe & rod arrangement	Class T1/10	11/03/1911
7941	Standard roof bar bolt		14/03/1911
7942	Collector for superheater	Class Z	15/03/1911
7961	Arrangement of superheater damper gear	Class Z	03/04/1911
7964	Fall plate	Class T1/10	07/04/1911
7974	List of plates & angles for tender tanks (passenger)	Class R, S, S1, S/07, T, T1, T1/10, C1, F1, G1, I, R, P1, P2, P3	12/04/1911
7976	Esme packing	Standard	20/04/1911
7987	Pipe and rod arrangement	Q5	May-11
7989	Spring adjusting screw & brackets	Class P, P1, P2, P3	04/05/1911
7990	Spring adjustment	Class P, P1, P2, P3	05/05/1911
7993	Chimney	Class S, S/07	10/05/1911
7997	Boiler	Cancel drg No. 933. Class E, E1	18/05/1911
7998	Standard hoppers, cocks etc: on front of engines & back of tenders		18/05/1911

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8000	Boiler	J77 For J77 1932 builds see drg 14924-D: 6-432	May-11
8010	Steadying stay	Class S/11	26/06/1911
8015	Boiler 5'-6" dia	Class S11	29/06/1911
8016	Chimney chart	Standard	07/07/1911
8017	Sketch showing position of rivets in smoke box ring	Class S/11	07/07/1911
8025	Expansion bracket	Class S/11	19/07/1911
8026	Chimney	Class S/11	20/07/1911
8045	Lamp iron for tender footplate & smoke box	Class S2	10/08/1911
8046	Cab & splashers	Class S2	10/08/1911
8049	Smokebox arrangement	B15	Aug-11
8050	Frame arrangement	B15 Engines with boiler to drawing N912 see drawing 0282 March 1938	
8051	Arrangement of W/House brake on tender	Class S/2	31/08/1911
8060	Boiler	Class 38 & J22	Oct-11
8069	Pipe and rod arrangement	B13, B15	Oct-11
8070	Pipe and rod arrangement end views	B15	Nov-11
8080	Bracket for pressure gauge	Class S2	20/11/1911
8091	Superheater header (Robinsons)	Class S2	11/12/1911
8101	Method of expanding & extracting superheater tubes in header	Class S2	28/12/1911
8109	Tender weatherboard	T & T1	Jan-12
8112	Position of lubricator on lifting link	Class N	25/01/1912
8119	Chimney arrangement	J	Feb-12
8128	Smokebox arrangement for engines fitted with superheater (Robinsons)	D21	
8137	Boiler	Z	Apr-12

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8146	Frame arrangement elevation	Z, Z1 North British loco build	
8146A	Frame arrangement plan	Z, Z1 North British loco drawing	
8173	NER forced feed lubricator: detail of brass work		Mar-13
8174	Piston valve with spring ring	Class T, S2	19/06/1912
8179	Cylinders 20" x 26" (Piston valves)	Class T2	24/06/1912
8195	Leading, driving, intermediate & trailing crank pins for grease lubricator	Class T, T1, T1/06, T1/10, T2	19/07/1912
8196	Frame arrangement, superheater engines	Class G	29/07/1912
8201	Casting (frame stay) between cylinders, cast steel	Class T2	08/08/1912
8202	Cast iron dome cover	Class T2	08/08/1912
8216	Reversing shaft bracket	Stumpf engine, Class S2, one engine	22/08/1912
8217	Steam reversing gear cylinder bracket	Class T2	23/08/1912
8221	Reversing shaft	Class T2	28/08/1912
8223	Boiler clothing	B15, Q6	Aug-12
8226	Smokebox arrangement	Class G	Sep-12
8227	Firebox tube plate arrangement	Superheater, Class T2	09/09/1912
8228	Smokebox tube plate arrangement	Superheater, Class T2	09/09/1912
8229	Splashers, Intermediate & trailing	Class T2	11/09/1912
8232	Tube support for superheater	Class T2	13/09/2012
8233	Frame arrangement also P.C. (template)	8 coupled mineral (superheated). Class T2	18/09/1912
8234	Leading sandbox	8 coupled mineral (superheated). Class T2	23-91912
8235	Back tool box	8 coupled mineral (superheated). Class T2	25/09/1912
8238	Unions for smokebox, Superheater	Class G1	02/10/1912
8240	Cab	Class T2	02/10/1912

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8241	Bracket & Indicator for steam reversing gear	Class T2	02/10/1912
8252	Ashpan arrangement	Class T2	09/10/1912
8253	Ashpan details	Class T2	09/10/1912
8254	Dragbeam (built-up, steel plates)	Class T2	11/10/1912
8266	Arrangement of steam reversing gear	Class T2	23/10/1912
8267	Details for steam reversing gear	Class T2	23/10/1912
8280	Brass unions	Class T2	31/10/1912
8284	Frame arrangement	Stumpf engine. Class S2	06/11/1912
8289	Bracket for fog signal, cast steel	Class T2	12/11/1912
8293	Smokebox arrangement (superheater)	First 20 engines, Class T2	22/11/1912
8294	Smokebox tube plate for superheater	Class T2, one engine	23/11/1912
8295	Firebox tube plate for superheater	Class T2, one engine	23/11/1912
8307	Alteration of Westinghouse pump & pipes, showing pump on tank end (front)	Class O	03/12/1912
8310	Arrangement of superheater (Schmidts)	Last 10 engines. Class T2	06/12/1912
8312	Alteration of position of Westinghouse pump	Class AA	Dec-14
8315	Pad for Rosse's Safety pop valve	Class T2	18/12/1912
8316	Smokebox arrangement	Class T2 superheater, one engine only	18/12/1912
8322	Pipe & Rod arrangement, end views	Class T2	24/12/1912
8328	Motion arrangement	8 coupled superheater mineral engine, Class T2	08/01/1913
8332	Boiler	B13	Jan-13
8334	Pad & union on back of firebox for steam pipe to brake cylinders on bogie	Class Y	16/01/1913
8335	Axlebox guides for bogie with Timmis's spring	Class Y	16/01/1913
8336	Arrangement & details for mechanical lubricator	Class V	17/01/1913

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8341	Boiler	Superheater. Class F1	22/01/1913
8358	Boiler	A8 See drawing 14884 for alteration to seatings	Mar-13
8359	Injector overflow pipe arrangement	Class P3/07	1`0-2-1913
8361	Boiler	Superheater. Class Q	11/02/1913
8377	Truck frame arrangement	Electric freight engine	24/02/1913
8378	Axle frame arrangement	Electric freight engine	24/02/1913
8381	Vacuum drip valve	4-4-4 passenger tank. Class D	25/02/1913
8389	Smokebox arrangement, superheater	Short box. Class R	07/03/1913
8391	Sketch showing alteration to air inlet & outlet diaphragm	Electric engine	10/03/1913
8395	Header for superheater	R1 & 4-6-2 type (18.7.23) Class R1 from 1919 - see drawing No 7942	Jun-13
8406	Arrangement of blow off cock. Hot water washing out system	1175 engine. Class Y	31/03/1913
8417	Present standard buffer & coupling. 1'-5½" buffer. Old 1'-4" buffer with old coupling. 21" buffer with old coupling	51	09/04/1913
8418	General arrangement, Robinson's superheater.	Class T2	10/04/1913
8422	Wheel (driving) 4'-0" dia	Electric engine	16/04/1913
8423	Axlebox guides	Electric engine	21/04/1913
8424	Axlebox guide clips	Electric engine	21/04/1913
8426	Outline of Simmons' D223 traction motor	Electric freight engine	22/04/1913
8427	Arrangement of centre castings	Electric freight engine	22/04/1913
8430	Rubbing pieces between trucks	Electric freight engine	24/04/1913
8440	Wrought iron detail for truck centre	Electric freight engine	01/05/1913
8441	Channels	Electric freight engine	01/05/1913
8442	Ratchet spanner	Electric freight engine	02/05/1913
8443	Draw hook	Electric freight engine	02/05/1913



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8444	Chain for draw hook	Electric freight engine	02/05/1913
8446	Drag casting	Electric freight engine	05/05/1913
8447	Spring hanger, bracket & washer	Electric freight engine	05/05/1913
8448	Spring	Electric freight engine	5-5-51913
8452	Cross beam motor suspension	Electric freight engine	06/05/1913
8455	Flanged plates	Electric freight engine	08/05/1913
8459	Sandbox	Electric freight engine	10/05/1913
8460	Sandbox (centre)	Electric freight engine	10/05/1913
8465	Connection pipe between motor & ventilator box	Electric freight engine	19/05/1913
8467	Hand brake pillar wheel	Electric freight engine	23/05/1913
8469	(Cast iron) connection for blower delivery	Electric freight engine	28/05/1913
8474	Plough	Electric freight engine	29/05/1913
8477	Tanks cab & bunker	Class D	05/06/1913
8481	Air inlet case for dynamometer	Electric freight engine	06/06/1913
8485	Ventilating box (double connection)	Electric freight engine	16/06/1913
8486	Ventilating box (single connection)	Electric freight engine	17/06/1913
8489	Air pipes & boxes for ventilating motors	Electric freight engine	25/06/1913
8490	Arrangement of draw gear between trucks	Electric freight engine	27/06/1913
8491	Details of draw gear	Electric freight engine	27/06/1913
8493	Brake block	Cancelled. Electric freight engine	17/06/1913
8494	Footstep	Electric freight engine	27/06/1913
8496	Smokebox arrangement Schmidt's superheater	F1	Jul-13
8497	British standard section	Electric freight engine	01/07/1913
8498	Cross section of understructure	Electric freight engine	02/07/1913
8505	Arrangement of gearwheel & gearcase on driving axle	Electric freight engine	09/07/1913

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
8507	Air inlet case for dynamometer blower	Electric freight engine	11/07/1913
8510	Arrangement of control and main conduits	Electric freight engine	21/07/1913
8519	Unions, jet cock, relief valve	Standard	29/07/1913
8530	Contractor carriers	Electric freight engine	11/08/1913
8535	Arrangement of "Weir" feed pump & heater	Class S2	13/08/1913
8541	Windows for cab ends	Electric freight engine	20/08/1913
8542	Smokebox arrangement, superheater	Class Q, M	21/08/1913
8547	Diagrams of hooks & couplings	Standard	22/08/1913
8550	Lubrication of truck centre castings	Electric freight engine	29/08/1913
8552	Smokebox arrangement, superheater	Class S, S1	03/09/1913
8553	Handrails & pillars	Electric freight engine	03/09/1913
8556	Lamp irons	Electric freight engine	05/09/1913
8557	Springs for brake blocks	Electric freight engine	09/09/1913
8562	Stand for dynamometer	Electric freight engine	17/09/1913
8563	Channels on ends of understructure	Electric freight engine	17/09/1913
8565	Ventilator for sloping ends	Electric freight engine	19/09/1913
8567	Cab roof	Electric freight	Oct-13
8568	Chimney	Electric freight engine	04/10/1913
8569	Details of springs & plates for connection between motor & ventilating box		07/10/1913
8571	Hangers & clips for sand pipes	Electric freight engine	11/10/1913
8576	Handrails & lifting gear on tender	Class Z1	22/10/1913
8581	Seatings on firebox back	Class Z1	27/10/1913
8583	Release spring & bracket for brake	Electric freight engine	28/10/1913
8585	Side door to resistances in sloping ends	Electric freight engine	28/10/1913
8586	Smokebox arrangement	Schmidt's superheater. Class S/07	28/10/1913

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8587	Arrangement of electric apparatus in driver's cab & sloping ends	Electric freight engine	30/10/1913
8588	Bars etc for hanging electric fittings in driver cab side	Electric freight engine	30/10/1913
8589	Hangers etc for hanging electric fittings in driver cab side	Electric freight engine	30/10/1913
8590	Doors in sides of sloping ends & details	Electric freight engine	31/10/1913
8592	Fixed window for sides of cab	Electric freight engine	04/11/1913
8595	Lifting window for sides of cab	Electric banking engine	Nov-13
8596	Front ventilators	Electric freight	Nov-13
8598	Lubrication of rubbing pieces on truck centre	Electric freight	Nov-13
8599	Top doors to resistances in sloping ends	Electric freight Superseded by drawing E139 October 1940	
8601	Hinge for door to sloping ends (in spectacle plate)	Electric freight	
8601	Door to sloping ends in spectacle plate	Electric freight	
8603	Bogie frame template	Class Z1	22/11/1913
8604	Bronze T pieces for air sanding	Electric freight	Nov-13
8605	Smokebox arrangement	Schmidt's superheater. Class Z1, Darlington build	14/11/1913
8610	Lock for doors in sloping ends	Electric freight engine	01/12/1913
8611	Bogie axlebox oilbox	C7, B16 Also A8 (Dec 1932), J38 (Oct 1932), J39 (Oct 1932)	Dec-13
8612	Bogie arrangement	Class Z1	03/12/1913
8613	Boiler	Class E1	05/12/1913
8618	Brackets for air valves for trolleys	Electric freight	Dec-13
8619	Bracket for drivers valve	Electric freight	Dec-13
8620	Bracket for interlocking relay	Electric freight	Dec-13
8621	Unions and connections for Westinghouse brake and air sanding	Electric freight	Dec-13

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8623	Door for sides of cab	Electric freight	
8626	Hoops for 15" & 10" Westinghouse reservoirs	Electric freight	
8630	Double bolted mortice lock	Electric freight	Dec-13
8633	Arrangement of exhaust injector & air sanding	Class Z1	22/12/1913
8634	Alteration to outside frames	Class V	22/12/1913
8636	Shackle for lifting purposes	Electric freight	Dec-13
8637	Liner round back end of boiler	Electric freight engine	29/12/1913
8638	Frame arrangement	Class E1	31/12/1913
8639	Three way cock, brake and trolley unions	Electric freight	Jan-14
8641	Internal steampipe	Various boilers	Sep-29
8645	Smokebox door with asbestos ring	E1 4-6-4 HP June 1929, J72 1930	Jan-14
8655	Tanks cab & coal bunkers	Class E1	28/01/1914
8656	General arrangement, 4-4-4 type 3 cylinder tank engine	Class D	30/01/1914
8657	Clips for control and main conduit pipes	Electric freight	Apr-14
8658	Handrails round auxiliary machinery in cab	Electric freight	Feb-14
8659	Wood flooring in cab and sloping ends	Electric freight	Feb-14
8668	Clothing arrangement	Class E1	27/02/1914
8669	Smokebox arrangement	Class E1	28/02/1914
8676	Tender axle journals 5¼" dia x 10¾" long	New standard with collar on	06/03/1914
8679	Firebox tubeplate	Four-cylinder compound	09/03/1914
8680	Smokebox tubeplate	Four-cylinder compound	09/03/1914
8681	Schmidt's header for superheater	4 cylinder compound	Mar-14
8684	Smokebox arrangement "Schmidt's" superheater	Class V, V/09	Oct-14

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
8688	Tender axlebox (journal 5 1/4" dia x 10 3/4" wide)	Class Z1	13/03/1914
8691	Toolbox	Electric freight	
8694	Clips for Westinghouse, air sanding & trolley pipes	Electric freight	Apr-14
8694	Keys	Electric freight	Mar-14
8697	Alteration to mainframes	Class W	31/03/1914
8700	Centre bearing between engine & tender	Standard	01/04/1914
8703	Back tank & bunker for engines fitted with radial wheel	Class W	18/04/1914
8706	Carriages for rocking shaft	Class P superheated	25/04/1914
8714	Swing link brakes	Class P superheated	08/05/1914
8715-1	Spring chart group engines		Oct-29
8715	Spring chart		08/05/1914
8715	Spring chart NE section	Cancelled: see drawing same no June 1943	Aug-29
8715	Spring chart NE section	Supersedes drawing 8715 (August 1929) - 2 <sup>nd</sup> copy	Jun-43
8717	Valve gear	Class P, P3 superheated	14/05/1914
8718	Piston valve & spindle	Class P, P3 superheated	15/05/1914
8719	Driver's seat	Electric freight	May-14
8720	Front cylinder cover	Class P superheated	20/05/1914
8721	Clips for control and main conduit pipes	Electric freight	May-14
8723	Stiffening plate & filling pieces for smokeboxes	Class B, B1, C, C1 superheated	21/05/1914
8724	Bracket for hand pump	Electric freight	
8725	Double beat regulator	Four cylinder compound	27/05/1914
8726	Blast pipe	4 cylinder compound	
8727	Expansion & lifting links	Class P, P3 superheated	27/05/1914

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8728	Smokebox arrangement, superheater 24" stroke	Class B, C	28/05/1914
8730	Boiler	Superheater	29/05/1914
8731	Smokebox arrangement fitted with Schmidt's superheater	Class R1	05/06/1914
8732	Smokebox arrangement fitted with Schmidt's superheater	Class P	06/06/1914
8733	Valve table	Class P superheated	08/06/1914
8736	Distance piece for steam pipes, superheated engines	Standard	11/06/1914
8745	1¼" handrails & pillars, for superheated engines	Standard	20/06/1914
8747	Guide for drag hook	Class E1 1914	24/06/1914
8748	Boiler, superheated	Class R1	29/06/1914
8749	Arrangement & details of mechanical lubricator, superheated	Class P	09/07/1914
8750	Blow off cock arrangement, hot water washing out	Class X	12/07/1914
8752	Tray for bogie axlebox	Class D, Z	15/07/1914
8753	Smokebox arrangement, Robinson's superheater	Class S2	21/07/1914
8754	Boiler, superheated	Class R	23/07/1914
8756	Plates to keep bogie check spring in position in guides	Standard	Jul-14
8767	Arrangement of engine fitted with steam dynamo	One engine only, superheated. Class R	08/08/1914
8768	Drop firegrate fitted to existing ashpans	Class V	08/08/1914
8775	Arrangement of relief valves	One engine No. 1247. Class T2	05/09/1914
8776	Unions and jet cock for smokebox	4 cylinder compound	Sep-14
8778	Smokebox arrangement	Schmidt's superheater. Class P1	10/09/1914
8782	Boiler, superheated	Class V, V/09	29/09/1914

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8783	Smokebox steam pipe and flanges	4 cylinder compound	Oct-14
8784	Plates for bottom of smokebox	4 cylinder compound	Oct-14
8785	Arrangement of Schmidt's superheater	4 cylinder compound	Oct-14
8787	Front windows for cab	Class P3	09/10/1914
8791	Water scoop handle bracket for tender (self trimming)		15/10/1914
8792	Brake screw bracket for tender (self trimming)		16/10/1914
8794	Boiler, superheated	Class Z	20/10/1914
8800	Arrangement of brake on bogie (Dock engineer's engine)	957 engine	04/11/1914
8802	Showing position of hand pump supplied by Messrs Siemens Bros.	Electric	13/11/1914
8805	Pedestal and insulator for box collector	Electric freight engine	07/12/1914
8807	Brackets for carrying fire irons, self trimming tenders	Class Z, T2	15/12/1914
8810	Bogie arrangement	Class Z	08/01/1915
8814	Arrangement of overhead collector gear	Electric freight	
8815	Wearing strip for bow collector	Electric freight	Feb-20
8817	Boiler superheated	Class B, C, P1	20/01/1915
8820	Arrangement of laminated springs for bow strips	Electric freight	Feb-15
8821	Spring details for bow strips	Electric freight	
8828	General arrangement	Class M. Q	09/02/1915
8835	Arrangement of self trimming tender	Standard passenger	23/02/1915
8844	General arrangement, superheated	Class S1	04/03/1915
8855	Shildon Shed Electric Wiring Over Turntable	Also referenced EL-8855-D	15-Mar-15
8857/1	Boiler, superheated	Class S2, T2	16/03/1915

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8860	Smokebox arrangement, Schmidt's superheater	Class Z, Uniflow	29/03/1915
8861	Cab & splashers	Class Z, Uniflow	06/04/1915
8868	Oak buffer beam, in two portions	Standard	16/04/1915
8869	Cylinder water cock details	Class Z, Uniflow	26/06/1915
8872	Footstep on front fallplate	Class Z, Uniflow	30/06/1915
8873	Footstep on splashers	Class Z, Uniflow	30/04/1915
8876	Boiler, superheated	Class S1	10/05/1915
8883	Propping arrangement outline of 1422 engine	Traced from 5198 outside mach. Tracing	21/05/1915
8884	Alteration to handrail	Standard	25/05/1915
8898	Lifting bracket for breakdown van Middlesbrough		Aug-15
8902	Arrangement of poling beam (proposed)	Class E	27/08/1915
8904	Double beat regulator	Class B, B1, C1, D, E, F, I, M, N, O, P, P1, P2, P3, Q, Q1, R, S1, S/07, T, T1, T1/10, U, W, 38, 59, 901, 1619, 4CC	03/09/1915
8908	Detail arrangement of poling beam	Class E	20/09/1915
8909	Steam cylinder for poling beam	Class E	29/09/1915
8910	Control valve for poling beam	Class E	19/09/1915
8911	Twin 3-way cock for poling beam	Class E	29/09/1914
8912	Hinged end for beam of poling arrangement	Class E	29/09/1915
8913	Beam for poling beam arrangement	Class E	29/09/1915
8914	Details for poling beam arrangement	Class E	29/09/1915
8915	Boiler superstructure	Class G	01/10/1915
8919	General Arrangement	Class Z, Uniflow	11/10/1915
8920	Lubricator for steam cylinder, poling beam arrangement	Class E	25/10/1915
8922	Canvas screen for locos	Class Z	30/10/1915



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8923	Westinghouse pump exhaust silencer ( to be fitted to engines stationed at Saltburn)	Class D	10/11/1915
8924	Boiler superheated	Class Y	13/11/1915
8928	Gear wheels for motor	Electric freight	
8929	Pipe arrangement, end views	Class Z, Uniflow	09/12/1915
8931	Motor	Electric freight	
8932	Motor	Electric freight	
8933	Outside motion plate	4-6-2-express passenger loco	20/03/1922
8935	Sketch: position of gear wheels on driving axle	Electric freight	
8940	Carbon brush for main motors	Electric freight	Feb-16
8941	Bracket for electric pyrometer	Class Z	18/02/1916
8948	Smokebox arrangement for Schmidt's superheater	Class Y	20/03/1916
8952	Sketch showing position of swan neck brake pipes & train heating pipes clothing on front end of engine	Standard	11/04/1916
8953	Shackle for release spring on tender brake	Standard	11/04/1916
8954	Steam heating valve	Standard	25/04/1916
8956	Details of motor connection box	Electric freight	May-16
8957	Arrangement of right and left hand motor connection boxes	Electric freight	May-16
8959	Alteration of positions of Westinghouse pump & pipes	Class U	06/05/1916
8961	Inspection door for main motors	Electric freight	May-16
8968	General arrangement of main automatic double railway circuit breaker (side elevation & section)	Electric locos.	07/07/1916

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
8969	General arrangement of main automatic double railway circuit breaker (plan view)	Electric locos.	07/07/1916
8970	General arrangement of main automatic double railway circuit breaker (cross sections)	Electric locos.	07/07/1916
8971	Arrangement of circuit switch	Electric locos.	07/07/1916
8972	Arrangement of automatic air governor	Electric locos.	07/07/1916
8973	General arrangement of dynamometer, compressor starters	Electric locos.	07/07/1916
8974	Arrangement of double pole railway contactor	Electric locos.	07/07/1916
8975	Arrangement of single pole railway contactor	Electric locos.	07/07/1916
8977	Arrangement of shoe connection box	Electric locos.	07/07/1916
8978	Grid elements, R.G. type resistances R.G. 3A.17	Electric locos.	07/07/1916
8979	Grid elements, R.G. type resistances R.G. 3A.17	Electric locos.	07/07/1916
8980	Grid elements, R.G. type resistances R.G.3A. 18 to 27	Electric locos.	07/07/1916
8981	Details of interlocking relay	Electric locos.	07/07/1916
8982	Box & cover for interlocking relay	Electric locos.	07/07/1916
8983	Arrangement of Ammeter case	Electric locos.	07/07/1916
8984	Main motor resistance frame	Electric locos.	07/07/1916
8985	Arrangement of 10 amp hand switches	Electric locos.	07/07/1916
8986	Filter for air governor	Electric locos.	07/07/1916
8987	Arrangement of perforated cover for heater (double type)	Electric locos.	07/07/1916
8988	Arrangement of perforated case for heater (single type)	Electric locos.	07/07/1916

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Drawing No.	Title	More Info	Date
8989	Brass cable thimble for shoe connection box	Electric locos.	07/07/1916
8990	Circuit breaker indicator	Electric locos.	07/07/1916
8991	Motor compressor (small seats)	Electric locos.	07/07/1916
8992	Outline of control connection box	Electric locos.	07/07/1916
8993	Support for contactor connections	Electric locos.	07/07/1916
8996	Air valve time limit for compressor starter	Electric locos.	07/07/1916
8997	Arrangement of insulator for resistance connections	Electric locos.	07/07/1916
8998	Arrangement of 18-way control connection box	Electric locos.	07/07/1916
8999	Air pump	Electric locos.	07/07/1916
9000	Diagrammatic arrangement of main resistance frames	Electric locos.	07/07/1916
9001	Special clamps for S.P. & D.P. contactors	Electric locos.	07/07/1916
9002	Outline of dynamometer	Electric locos.	07/07/1916
9003	Longitudinal cross section of motor	Electric locos.	07/07/1916
9004	Commutator	Electric locos.	07/07/1916
9005	Arrangement of brush gear for motor	Electric locos.	07/07/1916
9006	Cross section of motor	Electric locos.	07/07/1916
9007	Motor axle bearing brushes	Electric locos.	07/07/1916
9008	Armature bearing brushes	Electric locos.	07/07/1916
9009	Main wire diagram for connections	Electric locos.	07/07/1916
9010	Diagram of connections for dynamometers	Electric locos.	07/07/1916
9011	Diagram of connections for motor	Electric locos.	07/07/1916
9012	Control wiring diagram	Electric locos.	07/07/1916
9014	Motor compressor coupled with motor	Electric freight	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9015	Curves for dynamometer	Electric locos.	07/07/1916
9016	Diagram of connections for main automatic double railway circuit breaker	Electric locos.	07/07/1916
9019	Arrangement of "Trip & Set" switch for main circuit breaker	Electric locos.	12/07/1916
9020	Arrangement of connections for Control resistance (No.1 end)	Electric locos.	12/07/1916
9021	Arrangement of connections for Control resistance (No.2 end)	Electric locos.	12/07/1916
9022	1500 volt hand switch	Electric locos.	12/07/1916
9023	Arrangement of fuses for H.T. hand switches	Electric locos.	12/07/1916
9024	Motor cut out switch panels	Electric locos.	12/07/1916
9025	Main motor resistance terminal details	Electric locos.	12/07/1916
9026	Compressor motor	Electric locos.	12/07/1916
9028	Arrangement of air valve & throughway cock	Electric locos.	12/07/1916
9029	Details for leads on motors and from connection boxes	Electric locos.	15/07/1916
9037	Experimental blast pipes	Cancelled, see drg 9037. Class R	25/08/1916
9038	Reversing shaft & levers	Engine 66	31/08/1916
9043	Brake block & firebar	Engine Nos. 1361 & 968	21/09/1916
9045	Alteration to gear cases to suit solid gear wheel		27/09/1916
9047	Spare sparking horns & cones for main circuit breaker	Electric freight loco	12/10/1916
9049	Slip coupling		23/10/1916
9049	Slip coupling		Oct-16
9055	Bogie arrangement	Class D	08/11/1916
9060	Duplex steam sanding valve patent	Standard	06/12/1916
9061	Duplex steam sanding valve patent	Standard	07/12/1916

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9062	Single steam sanding valve patent	Standard	07/12/1916
9063	Single steam sanding valve patent	Standard	07/12/1916
9069	Inspection hole in sloping end door	Electric freight locos	04/01/1917
9079	Lifting tackle arrangement, for overseas engines	Class T1/10	12/01/1917
9086	Chimney	Class D	23/01/1917
9090	Brake for bogie (arrangement)	Class W	07/02/1917
9098	Lubricator for gear case	Electric freight locos	21/02/1917
9103	Copper washers for baffling air pipe to bow valve	Electric locos	09/03/1917
9106	Mechanical Tee pieces for copper work	Electric locos	19/03/1917
9107	Suction & delivery chests for compressor	Electric locos	19/03/1917
9108	Lock	Electric locos	19/03/1917
9109	Lock	Electric locos	19/03/1917
9111	Reversing shaft bracket	Class P, P1, P", P3, U, G, O, P3 superheated	28/03/1917
9115	Trip & set switch (arrangement & details)	Electric locos	29/03/1917
9123	Steel firebox	Class T2 superheated	23/04/1917
9127	Inspection holes to examine behind motor cut out	Electric locos	25/04/1917
9129	Coal hopper on bunker	G5	Jun-32
9130	Chain & bolts for tension springs on bows	Electric freight locos	27/04/1917
9131	Daylight signalling arms on loco footplate lamp irons	Standard	27/04/1917
9132	Springs for bows	Electric freight locos	01/05/1917
9134	Alteration to end shields, main traction motors, clearance for oil thrower	Electric freight locos	02/05/1917
9137	Steel firebox	Class P3/07	09/05/1917
9139	Steel firebox, 1 1/8" lap	Class Z	10/05/1917

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9149	Steel firebox	Class D superheated	01/06/1917
9150	Bracket plate & angle bar for Pan pantograph - experimental	Electric freight locos	11/06/1917
9151	Steel firebox	Class P1, ordinary	13/06/1917
9152	Bracket plate angle bar & packing plate	Experimental pantograph. Electric freight locos	14/06/1917
9153	Arrangement of experimental pantograph	Electric freight locos	19/06/1917
9156	Experimental pantograph bow	Electric loco	01/07/1917
9158	Bow roof insulator for carrying copper work	Electric freight locos	30/07/1917
9159	Sketch showing cast steel firedoor & protection plate	Class V, V/09, P2, P3, S2, T2, Y, Z, R1	02/08/1917
9160	Cylinder for bow collector	Electric freight locos	03/08/1917
9162	Castings for pantograph bow	Electric freight locos	08/08/1917
9163	Spring for bow cylinder	Electric freight locos	10/08/1917
9164	End thrusts for dynamometers		11/08/1917
9167	Diagram plan of wheels for 0-8-0 mineral engine on 5-chain curve	Proposed standard design	29/08/1917
9170	Air pump with cast iron clack box		05/10/1917
9176	Device for withdrawing & inserting white metal bush in end shield	Electric loco	29/10/1917
9183	Gear wheel to run in graphite grease	Electric freight loco	04/12/1917
9186	Castings for pantograph bow	Electric loco	17/12/1917
9188	Steel bush in top of axle box (for repairs)	Electric loco	16/01/1918
9220	Crank & plain axles	3 cylinder mineral engine, Class T3	01/05/1918
9228	Crosshead for outside cylinders	3 cylinder mineral engine, Class T3	24/05/1918
9252	Boiler	3 cylinder mineral engine, Class T3	01/07/1918
9260	Firebox & smokebox tube arrangement	3 cylinder mineral engine, Class T3	12/07/1918
9263	Seatings on firebox backplate	3 cylinder mineral engine, Class T3	15/07/1918

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9265	Firebox fittings	3 cylinder mineral engine, Class T3	16/07/1918
9268	Smoke box door with asbestos ring	Superseded by drawing 1-760 Oct 1938	Jul-18
9269	Ashpan arrangement	3 cylinder mineral engine, Class T3	30/07/1918
9273	Frame arrangement	3 cylinder mineral engine Class T3	06/08/1918
9279	Cab arrangement	3 cylinder mineral engine Class T3	04/09/1918
9280	Smokebox arrangement	3 cylinder mineral engine Class T3	05/09/1918
9281	Chimney	3 cylinder mineral engine Class T3	05/09/1918
9283	Eccentric sheaves outside cylinders	3 cylinder mineral engine Class T3	06/09/1918
9284	Eccentric sheaves inside cylinder	3 cylinder mineral engine Class T3	09/09/1918
9290	Oil pad for motor suspension bearings	Electric freight loco	18/09/1918
9296	Bows	Electric freight loco	28/09/1918
9299	Pedestal for bow	Electric freight loco	30/09/1918
9300	Insulator for carrying copper rod on roof of cab	Electric freight loco	30/09/1918
9301	Knife switch for bow	Electric freight loco	01/10/1918
9302	Details (air connection) for bow	Electric freight loco	01/10/1918
9303	Insulator for air connector for bow	Electric freight loco	01/10/1918
9304	Details for bow	Electric freight loco	01/10/1918
9305	Rods for bow	Electric freight loco	01/10/1918
9307	Details for bow	Electric freight loco	01/10/1918
9316	Piston valve & spindle altered and retraced, 29 August 1919	Class T3 & S3	24/10/1918
9322	Sketch showing arrangement of auto car gear		12/11/1918
9326	Valve gear tables, altered and retraced, 29 August 1919	Class T3 & S3	21/11/1918
9340	Hand sanding arrangement	3 cylinder mineral engine, Class T3	18/12/1918
9343	Regulator handle for balanced double beat regulator	3 cylinder mineral engine, Class T3	02/01/1919

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9345	Steam brake valve	3 cylinder mineral engine, Class T3	09/01/1919
9346	Balanced double beat regulator	3 cylinder mineral engine, Class T3	14-11919
9348	Oil boxes	3 cylinder mineral engine, Class T3	16/01/1919
9350	Wheels	Class S3	22/01/1918
9356	Pipe & rod arrangement	3 cylinder mineral engine Class T3	27/01/1919
9360	Crosshead	Class T2	13/02/1919
9361	Piston valve spindle	Class T2	17/02/1919
9362	Blast pipe	Class T2	19/02/1919
9363	Firedoor tray	Class T3	20/02/1919
9374	Arrangement & details for mechanical lubricator	Class T2	19/03/1919
9375	Part of bow cylinder showing air hole	Electric freight loco	26/03/1919
9378	Brass bracket to replace knife switch	Electric freight loco	31/03/1919
9381	Brush holder (repair)	Electric freight loco	03/04/1919
9384	Frame arrangement	3 cylinder goods engine, Class S3	09/04/1919
9391	Pipe & rod arrangement, end views	3 cylinder mineral engine Class T3	29/04/1919
9404	Blast pipe & blower ring	Class P3/07	24/05/1919
9406	Nut & union for blow off cock pipe	Class T2	27/05/1919
9408	General arrangement	3 cylinder mineral engine Class T3	31/05/1919
9414	Smokebox arrangement	S3 1 <sup>st</sup> ten engines only. See drawing 9492 for last 25 engines	Jun-19
9415	Cab splashers	3 cylinder goods engine Class S3	18/06/1919
9421	Handle & crank for fog signal	Class T2	04/07/1919
9422	Clips for sand pipes	Class T2	04/07/1919
9423	Eccentric straps & rods	Class S3	04/07/1919
9432	Arrangement of steam reversing gear	3 cylinder goods engine, Class S3	24/07/1919
9444	Arrangement of cylinder water cocks & relief valve	Class Z Uniflow	25/08/1919



Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9459	Brick lining in smokebox	Class T2	29/10/1919
9467	Pipe & rod arrangement	Class S3	18/11/1919
9468	Pipe & rod arrangement, end views	Class S3	15/11/1919
9469	3-way oil box	Class S3	20/11/1919
9470	Arrangement of collector shoe on class D bogie (1 <sup>st</sup> type)	Experimental, Class D	21/11/1919
9474	Arrangement of collector shoe on class D bogie (2 <sup>nd</sup> type)	Experimental, Class D	04/12/1919
9476	Clear view screen for electric engine		05/12/1919
9477	Details for collector shoe upon bogie	Experimental type 1, class D	06/12/1919
9480	Wrought steel & wooden details for collector shoe	Experimental, type 1	11/12/1919
9482	Batteries for motor for clear view screen window, record of test		15/12/1919
9484	Details for collector box upon class D bogie	Experimental, type 2	17/12/1919
9487	Bracket & beam for carrying collector shoe	Type 2	31/12/1919
9490	Arrangement for clear view screen		06/01/1920
9491	Wood packing to prevent sand collecting on top of sand box		13/01/1920
9492	Smokebox arrangement (steam pipes set to side of smokebox)	Class S3	13/01/1919
9497	Proposed electric box, 4-6-4 type	4-6-4 type	23/01/1920
9508	No. 3 injector, Gresham & Craven's patent		03/02/1920
9509	Proposed grenade & chevrons for overseas engines	Class T1	04/02/1920
9517	Smokebox arrangement showing Gynn's patent deflector plate	Class T1/10	23/02/1920

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9517	Smokebox arrangement showing Gwynns patent deflector plate	T1	Feb-20
9518	Smokebox arrangement showing Gynn's patent deflector plate	Class R (sat)	23/02/1920
9519	Smokebox arrangement showing Gynn's patent deflector plate	Class R (sup)	23/02/1920
9562	Proposed alteration to feet on motor	Type 4-6-4E	27/05/1920
9564	Proposed axle for 4-6-4 type, high speed electric loco	Type 4-6-4E	28/05/1920
9572	Steam brake arrangement	J77 1920 rebuilds	Jun-20
9579	Proposed pantograph	Electric passenger loco	30/06/1920
9585	Pipe & rod, end views	Class Z	08/07/1920
9589	Brake arrangement (West. & vac), 18" V.P. cylinder compensating gear	Class S	19/07/1920
9593	Standard bricks for brick arches (Darlington)		28/07/1920
9595	Proposed arrangement of cab & sloping ends	Electric passenger loco 4-6-4 type	30/07/1920
9597	Release spring for brake blocks	1920 rebuilds 290	03/08/1920
9604	Arrangement of steampipe to Westinghouse pump	R1 Fitted to engines 1237, 1238, 1240	Aug-20
9606	Spare parts for contact breaker	Electric freight engine	13/08/1920
9612	Sketch showing position of route indicator front of engine, back of tender or bunker		Sep-20
9618	Spare parts for circuit breaker	Electric freight engine	14/09/1920
9627	Tanks, cab & bunker	1920 rebuilds, 290 class	20/09/1920
9627	Tanks, cab and bunker	J77 1920 rebuilds	Sep-20
9636	Wood platform in cab	Class E1	06/10/1920
9637	Dreadnought ejector	Traced from N.B. Loco Coy's print, ordering	13/10/1920

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9642	Brick lining in smokebox	J72 Also 1930	Oct-20
9648	G.G. key for big ends (standard)		27/10/1920
9654	Oilbox for driving wheels	Class S3	05/11/1920
9657	Frame arrangement	J77 1920 rebuilds	Dec-20
9661	Piston rod	W.D. engines	18/11/1920
9664	Motion plate	Class P3 superheated	19/11/1920
9665	Dual valve for fog signal		19/11/1920
9666	Eccentric sheaves	Class P3 superheated	28/11/1920
9667	Firebox & smokebox tube arrangement	Class P3 superheated	29/11/1920
9669	Boiler	Class P3 superheated	02/12/1920
9671	Cylinder (superheated) 18½" x 26"	Class P1, P3 superheated	03/12/1920
9673	Frame & template arrangement	Class P3 superheated	06/12/1920
9674	Connecting rod	Class p3 superheated	08/12/1920
9677	Eccentric straps & rods	Class P3 superheated	10/12/1920
9678	Automatic train control apparatus	Standard For both Westinghouse and vacuum brakes for distant signal	May-21
9680	Driving wheel	Class P3 superheated	15/12/1920
9681	Bracket for circuit breaker	Electric locos	16/12/1920
9683	Attachment of fog signal to vacuum train pipe	Experimental	20/12/1920
9686	Engine & tender draw hook	Class P3 superheated	23/12/1920
9688	Wrot iron details for steam brake	Class P3 superheated	31/12/1920
9690	Back cylinder cover	Class P3 superheated	05/01/1921
9691	Coupling rods	Class P3 superheated	11/01/1921
9694	Load gauge & outline of cab roof	High speed passenger electric loco	13/01/1921
9695	Outline of bows	High speed passenger electric loco	14/01/1921
9697	Electric boiler for train heating	High speed passenger electric loco	17/01/1921

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9698	Arrangement of electric boiler for train heating	High speed passenger electric loco	17/01/1921
9699	Arrangement of Westinghouse and vacuum brakes	S1	Jan-21
9703	Blast pipe & blower ring	Class P3 superheated	19/01/1921
9704	Bogie axles	High speed passenger electric loco	20/01/1921
9705	Channels	High speed passenger electric loco	21/01/1921
9706	Bogie axlebox guides	High speed passenger electric loco	24/01/1921
9707	Motion arrangement	High speed passenger electric loco	25/01/1921
9708	Spring hanger & bracket	High speed passenger electric loco	27/01/1921
9709	Smokebox bottom plates	Class P3 superheated	27/01/1921
9710	Hornblock clips for bogie	High speed passenger electric loco	31/01/1921
9711	Bogie radial castings	High speed passenger electric loco	01/02/1921
9712	Axlebox guides	High speed passenger electric loco	01/02/1921
9713	Axlebox	High speed passenger electric loco	03/02/1921
9714	Bogie wheel	High speed passenger electric loco	04/02/1921
9715	Motor suspension on frame stay	High speed passenger electric loco	04/02/1921
9716	14" horizontal brake cylinder	High speed passenger electric loco	08/02/1921
9717	Motor suspension bar, holding down bolts & lifting point	High speed passenger electric loco	15/02/1921
9720	Gear wheel centre	High speed passenger electric loco	09/02/1921
9721	Bogie axlebox	High speed passenger electric loco	09/02/1921
9722	Bogie centre casting	High speed passenger electric loco	10/02/1921
9723	Axlebox guide clip	High speed passenger electric loco	10/02/1921
9724	Quill	High speed passenger electric loco	10/02/1921
9726	Bogie carrying spring	High speed passenger electric loco	16/02/1921
9727	Lifting casting, No.1 end	High speed passenger electric loco	14/02/1921
9728	Lifting casting, No.2 end	High speed passenger electric loco	14/02/1921

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
9729	Sandboxes (single & double)	High speed passenger electric loco	18/02/1921
9730	Sketch showing relative positions of Bogie frame & shoe	High speed passenger electric loco	22/02/1921
9735	Arm for carrying guide rope pulley for slip couplings		02/03/1921
9735	Arm for carrying guide rope for slip coupling		May-21
9736	Drawhook	4-6-4 electric passenger engine	02/03/1921
9739	Method of adapting Armstrong Whitworth pattern of mechanical lubricator & couplings to suit N.E.R pattern		04/03/1921
9740	Footplate supports A & B	4-6-4 electric passenger loco	11/03/1921
9741	Footplate supports C & D	4-6-4 electric passenger loco	11/03/1921
9743	Smokebox arrangement	Class P3 superheated	14/03/1921
9744	Spring brackets for quill	4-6-4 electric loco	18/03/1921
9745	Spring hanger & bracket	4-6-4 electric loco	23/03/1921
9746	Joint cleats on channels Nos. 1 & 2 ends	4-6-4 electric passenger loco	24/03/1921
9747	Three glass protector for water gauge, electric boiler		24/03/1921
9748	Water gauge, electric boiler		24/03/1921
9749	Cover plate over springs	4-6-4 electric loco	30/03/1921
9750	1½" Ross patent muffled pop safety valves		31/03/1921
9751	Balanced double beat regulator	Class T, T1, Y, W, 1619, & P2, P3, R, S, S/07, T1/10, D, P3 (superheated)	01/04/1921
9754	Arrangement & details of mechanical lubricator	Class P3 superheated	04/04/1921
9755	Frame template & end stay for bogie	Electric passenger loco, 4-6-4 type	04/04/1921
9756	Dual valve for fog signal	Experimental, Class R	04/04/1921
9757	Worthington steam pump (electric boiler)	Traced from Worthington Simpson print	08/04/1921

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9758	Pipe & rod arrangement, end views	Class P3 superheated	08/04/1921
9759	Frame arrangement	4-6-4 electric passenger loco	08/04/1921
9760	Boiler mountings, electric boiler	4-6-4 electric passenger loco	08/04/1921
9761	Boiler seatings, electric boiler	4-6-4 electric passenger loco	08/04/1921
9763	Quill drive assembly	4-6-4 electric passenger loco	12/04/1921
9764	Balanced double beat regulator	Class B, C, C1, F, F1, I, J, L, M, N, O, P, P1, Q, Q1, U, 901, 124, 8, 38, 59, 398, 1463, 290, BTP	13/04/1921
9765	Attachment for fog signal to vacuum brake train	Experimental, Class R	14/04/1921
9766	Arrangement of signal apparatus for both Westinghouse & vacuum brakes (home signal)	Experimental, Class R	16/04/1921
9767	Arrangement of signal apparatus for both Westinghouse & vacuum brakes (home signal) on front of engine	Class R	16/04/1921
9768	Spring for bogie control	High speed electric passenger loco, 4-6-4 type	16/04/1921
9770	Wrot iron details for bogie	4-6-4 electric passenger loco	19/04/1921
9771	Spring for quill drive, ordering tracing	4-6-4 electric passenger loco	19/04/1921
9772	Experimental valve, W.H. brake	Class R, No.712	20/04/1921
9773	Details for bogie control gear	4-6-4 electric passenger loco	20/04/1921
9774	Bogie arrangement	4-6-4 electric passenger loco	22/04/1921
9780	General layout	4-6-4 high speed electric passenger loco	25/04/1921
9781	Brake block & hanger	4-6-4 electric loco	28/04/1921
9784	Vacuum brake control valve	Experimental, Class R	2 -5 1921
9785	Reducing valve (Mason's)		02/05/1921
9811	Ross pop valve 2" diameter	J72 See drawing 16228 August 1935	Jun-21
9815	Boiler diagrams		Jun-21

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9819	Water tank details	4-6-4 electric passenger	Jun-21
9824	Arrangement of ground gear for fog signalling apparatus, home signal		05/07/1921
9828	Brake gear details	4-6-4 electric passenger loco	21/07/1921
9829	Drilling plan of footplate & machine deck	04/06/2004	26/07/1921
9829	Air duct plan of bottom plate	4-6-4 electric passenger	Sep-21
9831	Fall plates and cover plates	4-6-4 electric passenger	Jul-21
9832	Driver's vacuum brake application valve	4-6-4 electric passenger loco	22/08/1921
9835	Side doors in No 2 sloping end and details	4-6-4 electric passenger	Aug-21
9836	Doors at back of contactors No 2 end	4-6-4 electric passenger	Aug-21
9840	Bracket for drivers valve	4-6-4 electric passenger	Aug-21
9843	Door for sloping ends	4-6-4 high speed electric passenger loco	14/09/1921
9845	Switch cage for No 1 end	4-6-4 electric passenger	Sep-21
9846	Switch cage for No 2 end	4-6-4 electric passenger	Sep-21
9847	Details of corners	4-6-4 electric passenger	Oct-21
9850	Details of lock for sloping end door	4-6-4 electric passenger	Sep-21
9851	Hangers and clips for sand pipes	4-6-4 electric passenger	Sep-21
9854	Blower housing and pantograph isolating switch support	4-6-4 electric passenger	Nov-21
9855	Insulator plates	4-6-4 electric passenger	Sep-21
9856	Handrail & footstep details for cab & sloping ends	4-6-4 electric passenger	Nov-21
9861	Casing and mounting plates for resistances	4-6-4 electric passenger	Oct-21
9862	Boiler	J71, J72 J72 Armstrong's build	May-20
9862	Boiler	J72 Supersedes Drg 9862 May 1920	Oct-48
9863	Lewis draft appliance	Class T2	20/10/1921

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9864	Diagram showing height limits for lifting tackle	4-6-4 electric passenger	Oct-21
9868	Menno automatic compressed air grease cup	E & E1	Nov-21
9869	Arrangement of switches & supports in No 2 end	4-6-4 electric passenger	Oct-21
9870	Arrangement of cab and sloping ends	4-6-4 electric passenger	Oct-21
9871	Water cock and details for tank	4-6-4 electric passenger	Nov-21
9872	Door for sides of cab	4-6-4 electric passenger loco	08/11/1921
9873	Spring bolt mortice lock	4-6-4 electric passenger loco	10/11/1921
9874	Louvres for blower housing	4-6-4 electric passenger	Nov-21
9875	Whistle stand	4-6-4 electric passenger loco	15/11/1921
9876	Arrangement and details of pantograph supports	4-6-4 electric passenger	Nov-21
9877	Arrangement of expanded metal covers for cam switch groups in main compartment at No 2 end	4-6-4 electric passenger	Nov-21
9878	Arrangement of expanded metal covers for cam switch groups in main compartment at No 1 end	4-6-4 electric passenger	Nov-21
9879	Louvres in front of No 2 end	4-6-4 electric passenger	Nov-21
9880	Lifting window for sides of cab	4-6-4 electric passenger	Nov-21
9881	Arrangement of expanded metal covers in blower housing	4-6-4 electric passenger	Nov-21
9881A	Arrangement of supports for expanded metal covers for blower housing	4-6-4 electric passenger	Nov-21
9882	Fixed window for side of cab	4-6-4 electric passenger loco	30/11/1921
9884	Doors in cover plates over wheels & motors	4-6-4 electric passenger loco	02/12/1921
9885	Unions & adaptors for West, vac, sanding etc.	4-6-4 electric passenger loco	06/12/1921
9886	Clothing & details for electric boiler	4-6-4 electric passenger loco	08/12/1921



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9887	Expanded metal cover at end of electric boiler	4-6-4 electric passenger loco	09/12/1921
9889	Wrought iron details for fog apparatus (built in 1918)	Class R	16/12/1921
9891	Boiler	Class S/07	20/12/1921
9892	Arrangement of protection screens and supports for switches & relays in W.I. end	Class R1 superheated	27/12/1921
9893	Arrangement of cover plates for wheels & motors	4-6-4 electric passenger loco	03/01/1922
9894	Details of cover plates for wheels and motors	4-6-4 electric passenger loco	05/01/1922
9899	Arrangement of pipes, end view	4-6-4 electric passenger loco	09/01/1922
9899	Details of W.I. supports for switches, relays etc. in No.1 end	4-6-4 electric passenger loco	16/01/1922
9900	Arrangement & details of water gauge for tank	4-6-4 electric passenger loco	16/01/1922
9902	Lubrication of bogie centre	4-6-4 electric passenger loco	18/01/1922
9904	Handrails round auxiliary machinery in cab	4-6-4 electric passenger loco	19/01/1922
9907	Fixings for master controller	4-6-4 electric passenger loco	24/01/1922
9909	Safety valve for main reservoir	Standard	26/01/1922
9912	Exhaust vents & covers for shunt coils	4-6-4 electric passenger loco	27/01/1922
9913	Arrangement of wood floor boarding inside cab	4-6-4 electric passenger loco	30/01/1922
9917	Hoops for reservoir	4-6-4 electric passenger loco	09/02/1922
9923	Arrangement & details for oil fired boiler	Experimental, electric 4-6-4	03/03/1922
9924	Cast steel saddle for smokebox	4-6-2 express passenger loco	3-31922
9925	Footplate support	4-6-2 express passenger loco	08/03/1922
9926	Footplate support	4-6-2 express passenger loco	03/03/1922
9927	Footplate support	4-6-2 express passenger loco	06/03/1922

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
9928	Pipe rack	4-6-4 electric passenger loco	03/03/1922
9930	Driving, intermediate and trailing horn clip	4-6-2 type	Apr-22
9931	6'-8" coupled wheels	4-6-2 express passenger loco	11/03/1922
9935	Modification of cab front plate, No.2 end to accommodate oil fired boiler	4-6-4 electric passenger loco	22/03/1922
9937	Inside motion plate		23/03/1922
9938	Crank axle	04/06/2002	24/03/1922
9939	Straight axle	04/06/2002	24/03/1922
9942	Bogie axle	4-6-2 express passenger loco	27/03/1922
9944	Trailing axle (radial)	4-6-2 express passenger loco	28/03/1922
9945	Trailing wheel	4-6-2 express passenger loco	28/03/1922
9948	Liner for inside cylinder	Class S3	31/03/1922
9952	Spring adjusting screw, bracket and link	4-6-2 type	Apr-22
9967	Crosshead	4-6-2 type	21/04/1922
9968	Triple cylinder	4-6-2 type	28/04/1922
9969	Spring hangers & brackets for radial wheels	4-6-2 type	28/04/1922
9969	Spring hanger and bracket for radial wheels	4-6-2 type	Apr-22
9970	Air inlet for compressor	4-6-4 electric passenger loco	08/05/1922
9983	Slide valve	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 76	Jul-25
9992	Leading sandboxes	4-6-2 type	10/05/1922
9993	Tender axle	H & B Class L LNER Class J28 YEC contract no 94	
9997	Radial axlebox	4-6-2 type	16/05/1922
9998	Radial check spring	4-6-2 type	May-22
10000	Cylinder front cover and piston	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 70	Nov-31

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10001	Inside motion bars	4-6-2 type	22/05/1922
10002	Leading & trailing coupling rods	4-6-2 type	24/05/1922
10003	Crank pins	4-6-2 type	25/05/1922
10004	Back cylinder cover	4-6-2 type	29/05/1922
10015	Front cylinder cover for outside cylinder	4-6-2 type	07/06/1922
10018	Connecting rods (outside)	4-6-2 type	08/06/1922
10020	Front covers for piston valves	4-6-2 type	09/06/1922
10021	Back covers for piston valves	4-6-2 type	10/06/1922
10022	Connecting rod (inside)	4-6-2 type	13/06/1922
10023	Relative position of wheels when centre crank is in back dead centre		16/06/1922
10027	Balanced double beat regulator	4-6-2 type	20/06/1922
10030	Smokebox tube plate	0-6-0 goods engine	21/06/1922
10032	Bogie centre castings	4-6-2 type	21/06/1922
10034	Ross patent muffled pop safety valve (ordering print)	4-6-2 type	22/06/1922
10035	Standard tyre sections	Ordering print	22/06/1922
10038	Frame template	4-6-2 type	23/06/1922
10043	Frame arrangement	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 39	
10045-1	Cylinders	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 55. See drawing no 10045 for new cylinders	Jun-22
10048	Superheater header	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 24	
		Kitson & Co contract drawing no. 69	

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10051	Coupling Rods	Hull & Barnsley Railway 0-6-0 Tender Engine (LNER Class J23). Also marked for H&B class G (J75) & N12.	
10056	Connecting rod small end	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 82	
10057	Connecting rod big end	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 81	
10058	Coupling rod	H & B Class L LNER Class J28 YEC contract no 65	
10064	Bogie spring control details	4-6-2 type	28/06/1922
10065	Piston valve & spindle	4-6-2 type	28/06/1922
10066	Liner for cylinders	4-6-2 type	03/07/1922
10069	Palm stays for stationary boiler, Goole		06/07/1922
10070	Bogie casting cover plate	4-6-2 type	06/07/1922
10073	Plough	4-6-2 type	11/07/1922
10074	Brake hanger bracket	4-6-2 type	11/07/1922
10075	Bogie frame template	4-6-2 type	11/07/1922
10078	Whistles & pads	4-6-2 type	21/08/1922
10079	Firebox fittings	4-6-2 type	21/08/1922
10081	Smokebox tubeplate	4-6-2 type	11/07/1922
10082	Firebox tubeplate	4-6-2 type	11/07/1922
10090	Menno automatic compressed air grease cup	E & E1	Jul-22
10091	Sketch shewing method of mounting compressor air duct	4-6-4 engine	17/07/1922
10092	Packing & rubbing pieces for bogie centres	4-6-2 type	19/07/1922
10093	Trailing sand boxes	4-6-2 type	24/07/1922
10095	Crank axle (ordering tracing)		31/07/1922

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10100	Bogie lubrication	4-6-2 type	03/08/1922
10102	Arrangement of drag between engine and tender	4-6-2 type See drg 15763 alteration to type A2. Drag beam to suit GN 5000 gal tender Oct 1934	Sep-22
10106	Sketch showing Swiss Loco & Machine Coys. Type KL16 Comp. coupled to MV Coy's. special S.1812 motor	Electric 4-6-4	12/08/1922
10108	Front fall plate	4-6-2 type	14/08/1922
10109	Engine & tender drawhook for screw coupling	4-6-2 type	22/08/1922
10112	Drag beam	4-6-2 type	18/08/1922
10114	Arrangement of internal steam pipes in boiler	4-6-2 type	22/08/1922
10119	Chimney	A2, A2/23	Sep-22
10122	Back fall plate	4-6-2 type	29/08/1922
10123	Brake details	4-6-2 type	29/08/1922
10124	Blast pipe and blower ring	A2, A2/23	Aug-22
10125	Cab & splashers	4-6-2 type	02/09/1922
10126	Front windows for cab	A2, A2/23	Oct-22
10134	Tank brackets	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 73	
10137	Spade for firedoor	4-6-2 type	05/09/1922
10139	Ashpan details	4-6-2 type	07/09/1922
10140	Bracket for ejector	4-6-2 type	07/09/1922
10148	Smokebox steampipes, lenticular shaped rings and flanges	A2	Nov-23
10150	Arrangement of cylinder water cock gear	4-6-2 type	23/09/1922
10155	Plates for bottom of smokebox	4-6-2 type	Oct-22
10157P	Cylinder water cock details	4-6-2 type	10/10/1922
10158	Clothing for front of outside cylinders	4-6-2 type	15/10/1922

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
10159	Handrails & pillars	4-6-2 type	16/10/1922
10160	Pipe & rod arrangement	4-6-2 type	-1933
10161	Pipe & rod arrangement end views	4-6-2 type	-1933
10162	Unions and adapters	4-6-2 type	Oct-22
10163	Arrangement and details of mechanical lubrication	4-6-2 type	Oct-22
10163	Modification of motion link for mechanical lubrication	A2 Part copy 10163 October 1922	Mar-30
10164	Clothing arrangement	4-6-2 type	21/10/1922
10166	Clothing for outside cylinder (back end)	4-6-2 type	24/10/1922
10167	Driver's seat in cab	4-6-2 type	Oct-22
10169	Splasher for bogie wheel	4-6-2 type	26/10/1922
10170	Bracket for driver's valve	4-6-2 type	31/10/1922
10174	Sleeves for piston rod tail ends	4-6-2 type	01/11/1922
10175	Clothing for front of inside cylinder	4-6-2 type	01/11/1922
10177	Oil boxes	4-6-4 type	Dec-23
10192	Bracket for fog signal	4-6-2 type	11/11/1922
10196	Wood platform between engine and tender	4-6-2 type	Nov-22
10200	Blast pipe & blower ring	Class B(HB) superheated	16/11/1922
10201	Crank pins	Class S3	17/11/1922
10205	Hood for chimney	Class B LNER class J23	Nov-22
10212	Bracket for fog apparatus	4-6-4 electric passenger	04/12/1922
10217	Improved connection for field coil	Electric freight	14/12/1922
10218	Smokebox	Class B(HB) superheated	18/12/1922
10219	Smokebox arrangement	Class F1(H&B)	20/12/1922
10220	Pipe stays & clips	4-6-2 type	22/12/1922
		B(HB) superheated, F1(HB),	

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10227	Whistles & standard	F2(HB),F3(HB),G2(HB),G3(HB) - N.E.R designs	03/01/1923
10229	Elbow & steam pipe	Class B, B1, C, C1, F, F1, A, P, P1,	02/01/1923
10232	Standard sheet of wash out cocks	Standard	05/01/1922
10233	Proposed arrangement of filtrator	Class E1	05/01/1923
10235	Door between engine and tender	A2	Jan-23
10240	Piston rod and crosshead	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 61	Jan-23
10241	Cylinder covers and piston	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 56	Jan-23
10242	Smokebox arrangement (Smith's superheater)	Class P1	16/01/1923
10247	Front fallplate	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 40	
10253	General arrangement	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 1	
10254	Pipe arrangement	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 2	
10255	Boiler and firebox	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 3	
10256	Boiler back	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 4	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
10257	Foundation ring	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 5	
10258	Longitudinal and direct stays and etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 6	
10259	Mud collector	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 7	
10260	Mud plugs washout door etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 8	
10261	Firebox	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 9	
10262	Firehole ring	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing 10 For deflector plate see 10396	
10263	Firebricks and handrails etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 11	
10264		Hull & Barnsley (H & B) class F3 LNE N13	



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10264	Safety valve	R & W Hawthorn Leslie & Co Ltd Contract Drawing No 12	
10265	Regulator	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 13	
10266	Regulator stuffing box and details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No14	
10267	Clothing arrangement	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 15	
10268	Ashpan arrangement and details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 16	
10269	Smokebox	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 17	
10270	Smokebox tube plate, protector & lamp irons	0-6-2 tank engines 13,1518,23,27	26/01/1923
10270	Smokebox tubeplate, protector and lamp irons	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 18	
10271	Smokebox door details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
		Contract Drawing No 19	
10272	Chimney blast pipe and blower details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 20	
10273	Internal steam pipes etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 21	
10274	Motion arrangement	0-6-2 tank engines 13,1518,23,27	26/01/1923
10274	Valve motion arrangement	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 22	
10275	Cylinders	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 23 Also retracing dated February 1937. Also drg dated June 1923. Alteration to valve spindle stuffing box.	
10276	Cylinder cove and piston	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 24	
10277	Steam chest cover	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 25	
10278		Hull & Barnsley (H & B) class F3 LNE N13	

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10278	Slide bar crosshead and piston rod	R & W Hawthorn Leslie & Co Ltd Contract Drawing No 26	
10279	Cylinder cock gear	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 27	
10280	Slide valve and bridle	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 28	
10281	Connecting rod	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 29	
10282	Coupling rod	Class F3(HB)	26/01/1923
10282	Coupling rods	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 30	
10283	Leading, driving and trailing wheels	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 31	
10284	Leading, trailing and radial axles	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 32	
10285	Crank axle	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 33	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10286	Eccentric sheaves	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 34	
10287	Valve motion details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 35	
10288	Reversing Shaft & brackets	Kitson & Co contract drawing. No. 72 Hull & Barnsley Railway 0-6-0 Tender Engine (LNER Class J23). Also marked for J75	
10288	Reversing shaft and brackets	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 36	
10289	Reversing handle, sector and rod	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 37	
10290	Valve spindle guide brackets and cross stay	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 38	
10292	Buffer	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 41	
10293	Buffer beams etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd	

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
		Contract Drawing No 42	
10294	Drawbars	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 43	
10295	Leading, driving and trailing axlebox	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 44	
10296	Leading, driving and trailing axlebox guides	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 45	
10297	Radial axlebox and guides	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 46	
10298	Radial axlebox control details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 47	
10299	Radial springs and details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 48	
10300	Leading, driving, trailing spring and details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 49	
10301	Steam boiler cylinder	Hull & Barnsley (H & B) class F3 LNE N13	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
10301	Steam brake cylinder	R & W Hawthorn Leslie & Co Ltd Contract Drawing No 50	
10302	Brakeshaft bracket and hanger	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 51	
10303	Brake screw, bracket etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 52	
10304	Brake pull rods	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 53	
10305	Leading sandbox and splasher	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 54	
10306	Hind sandbox and details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 55	
10307	Front sandbox details and railguards	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 56	
10308	Injector	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 57	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10309	Sight feed lubricator, pressure and water gauges	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 58	
10310	Blow off and steam brake valves	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 59	
10311	Whistle valves, oilboxes etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 60	
10312	Cab and tanks	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 61	
10314	Cab door and toolbox details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 63	
10315	Handrail details	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 64	
10316	Wood platform	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 65	
10317	Tank details and tool boxes	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
		Contract Drawing No 66	
10318	Tank filler, brackets and manhole	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 67	
10319	Tank water gauge	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 68	
10320	Tank level pipes	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 69	
10321	Lamps etc	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 70	
10322	Firing tools	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 71	
10323	Tools	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 72	
10324	Spanners	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 73	
10330	Boiler	Class H (1923 build)	01/02/1923



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10334	Smokebox arrangement	Class H (1923 build)	01/02/1923
10341	Support for recording pyrometer	4-6-2 type	Feb-23
10345	Arrangement of under buffer	Class H (1923 build)	23/02/1923
10348	Tanks, cab & coal bunker	Class H (1923 build)	27/02/1923
10360	Cylinder covers and piston	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 60; also marked for J75	
10380	Valve motion details	Class B(HB),B(HB) superheated,	18/04/1923
10388	Smokebox arrangement	Class H (1923 build)	25/04/1923
10391	Smokebox arrangement	Class N-12,N-13, J-75, F2(HB), G2(HB), G3(HB)	26/04/1923
10393	Axlebox for trailing wheels	4-6-2 type	27/04/1923
10397	Trailing horn blocks and clip for carrying wheels	4-6-2 type	Apr-23
10398	Equalising pipe	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 74	
10400	Details for axlebox for carrying wheels, wedges and oilbox	4-6-2 type	May-23
10401	Outside frame stay	4-6-2 type	01/05/1923
10402	Trailing axle (carrying wheels)	4-6-2 type	02/05/1923
10403	Whistles (1923 builds)	Class S3	02/05/1923
10404	Diagrams shewing lowest portions of locomotives in relation to load	Standard	02/05/1923
10405	Arrangement of outside frames	4-6-2 type	02/05/1923
10406	Trailing wheels (carrying)	4-6-2 type	03/05/1923
10408	Diagrams shewing lowest portions of locomotives in relation to load	H & B	04/05/1923
10409	4½" Anti vacuum valve	Class S3	05/05/1923
10410	Chimney	Class S3 (1923 builds)	05/05/1923

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10411	Smokebox arrangement fitted with anti vacuum valve	Class Z	06/05/1923
10412	Diagram shewing lowest portion of electric loco in relation to load gauge N.E. Section	Electric	08/05/1923
10413	General arrangement	4-6-2 type engine	09/05/1923
10414	Dome cover	Class S3 1923 builds	09/05/1923
10418	Balance weights	Class P3	12/05/1923
10421	Blower union for anti vacuum valve	Class Z	15/05/1923
10430	Blow off cock	All H & B original boilers	26/05/1923
10432	Smokebox	F2, F3, G2, G3, (H & B)	28/05/1923
10436	Whistle pressure gauge & sight feed lubricator cocks	H & B Class L LNER Class J28 YEC contract no 85	
10436	Whistle, pressure gauge & sight feed lubricator cocks	H & B Class L LNER Class J28 YEC contract no 85	
10438	Distance piece for anti vacuum valve	Class P3	06/06/1923
10440	Standard straight & bent fire darts	Standard	08/06/2023
10444	Smokebox arrangement (engines fitted with anti vacuum valve)	Class P3	13/06/1923
10445	Ashpan arrangement for engines with outside frames	4-6-2 type	14/06/1923
10446	Ashpan details for engines with outside frames	4-6-2 type	14/06/1923
10454	Regulator handle for balanced double beat regulator	4-6-2 type	20/06/1923
10455	Bogie Axlebox	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 68	Jul-23
10461	11" Steam brake cylinder	Class C8, A2, C7, C7/2, D21, C6/09, R1, V/09Z, Z uniflow, 4-6-2	11/07/1923
10463	4½" Anti-vacuum valve	4-6-2 type	19/06/1923

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
10464	Smokebox arrangement	4-6-2 type (A2) For engines 2400 and 2401. See drawing 10127D.	Oct-22
10468	Arrangement of W.H. brake	Class N	17/06/1923
10473	Frame stay & steam reversing cylinder support (A on frame arrangement)	4-6-2 type	03/08/1923
10474	Frame stay (B on frame arrangement)	4-6-2 type	03/08/1923
10475	Frame stay & steam brake cylinder support,(C on frame arrangement)	4-6-2 type	04/08/1923
10476	Frame stay (D on frame arrangement)	4-6-2 type	04/08/1923
10478	Arrangement of Westinghouse & vacuum brakes (end view)	Class G	16/08/1923
10479	Motion plate	H & B Class L LNER Class J28 YEC contract no 27	Aug-23
10481	Gauges for Ramsbottom safety valves	Standard	18=8-1923
10485	Lining & lettering on tanks & tenders	Standard	25/08/1923
10488	Outside frame stay (leading)	Class S2, (engine 825 only)	29/08/1923
10491	Unions and adapters	4-6-2 type	Nov-23
10500	Floor protection plates	Freight electric	09/09/1923
10502	Lettering for electric engines	Standard	Sep-23
10509	Branch pipes for exhaust injector	4-6-2 type	Sep-23
10522	Arrangement of Westinghouse & vacuum brake	Class A	03/10/1923
10531	Arrangement of steam brake on engine and tender	Class 59 Engine 1489 only	Oct-23
10532	Arrangement and details of speedometer	Class Vavo A Engine No 698 and 722. Also No 2257 and 1370	Oct-23
10533	Tubeplates	Class Z	12/10/1923
10538	Arrangement & details of speedometer	Electric passenger engine, 4-6-4 type	16/10/1923
10544	Arrangement of steam chest pressure gauge	Class V	Oct-23

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
10548-1	Smokebox arrangement	Class B15	Mar-30
10548	Arrangement of Schmidt's superheater with anti-vacuum valve	Class S Engine No 825 only	Oct-23
10549	Driving wheels & axle	G.N. 2-6-0	24/10/1923
10550	Leading & trailing wheels & axle	G.N. 2-6-0	24/10/1923
10552	Cylinders 18½" x 26"	G.N. 2-6-0	24-10-1923
10557	Cylinders	Hull & Barnsley J class 4-4-0 Kitson contract drawing N0 74 also marked up for J28 part 2 dated February 1924	Oct-23
10558	Arrangement of Westinghouse and vacuum brakes	Class F	Oct-23
10559	Arrangement of Westinghouse & vacuum brake (end view)	Class F	14/11/1923
10560	Arrangement of steam chest pressure gauge	Class Z & Class Z uniflow	Oct-23
10564	Failure of engine No 366 whilst working 1.25pm passenger train 8 <sup>th</sup> October 1923, Barnard Castle to Tebay	Class 901 Details of damage	Nov-23
10566	Bracket for fog signal	4-6-2 type, Engine No. 1481	03/11/1923
10567	Position for fog signal	4-6-2 type, Engine No. 1481	08/11/1923
10572	Clothing on firebox backplate	H&B Class G2 Kitson & Co contract drawing	Nov-23
10574	Arrangement of exhaust injector	4-6-2 type, Engine No. 2400	19/11/1923
10577	Exhaust injector details	Class T3, 1924 build	23/11/1923
10586	Cylinder centre lines showing figure , 1'-1¾" in accordance with chief draughtsman's instructions	G.N. 2-6-0	06/12/1923
10587	Drain cock & details for injector pipes	4-6-2 type	10/12/1923
10590	Smokebox arrangement	Q7 1924 builds. For Q7 1939 (Boiler N-896) see drawing 1-785 May 1939	Jan-24

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10594	Arrangement of Detroit and mechanical lubricator	4-6-2 type Engines 2402, 2403, 2404	Dec-23
10598	Exhaust injector details	4-6-2 type 1923	18/12/1923
10599	Pipe & rod arrangement	4-6-2 type 1923	19/12/1923
10600	Pipe & rod arrangement, end views	4-6-2 type 1923	19/12/1923
10603	Boiler	G.N. 2-6-0	02/11/1923
10605	Smokebox tube plate	G.N. 2-6-0	02/11/1923
10606	Firebox tube plate	G.N. 2-6-0	02/11/1923
10611	32 Element superheater tubes	G.N. 2-6-0	02/11/1923
10612	Regulator head & details	G.N. 2-6-0	02/11/1923
10615	Boiler details	G.N. 2-6-0	02/11/1923
10618	Regulator stuffing box & gear	G.N. 2-6-0	02/11/1923
10619	Smokebox & blast pipe	G.N. 2-6-0	02/11/1923
10620	Angle ring & dome cover & dome clothing	G.N. 2-6-0	02/11/1923
10621	Smokebox crossbar	G.N. 2-6-0	02/01/1923
10626	Steam chest for 8" piston valve	G.N. 2-6-0	02/11/1923
10627	Leading & driving hornblock	G.N. 2-6-0	05/11/1923
10628	Trailing hornblock	G.N. 2-6-0	05/01/1923
10633	Steel castings for pony tuck	G.N. 2-6-0	05/11/1923
10634	Cast steel frame stay	G.N. 2-6-0	05/11/1923
10635	Header	G.N. 2-6-0	05/11/1923
10639	Details of driving sand gear	G.N. 2-6-0	05/11/1923
10642	Steam pipes	G.N. 2-6-0	06/11/1923
10644	Spring gear	G.N. 2-6-0	08/11/1923
10647	Footplate bracket	G.N. 2-6-0	08/11/1923
10648	Brake details (see K-141N)	G.N. 2-6-0	08/11/1923
10650	Leading coupling rod & trailing	G.N. 2-6-0	14/11/1923

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10652	Outside connecting rod (S-106)	G.N. 2-6-0	14/11/1923
10653	Inside connecting rod (S-189N)	G.N. 2-6-0	14/11/1923
10654	Large motion lever	G.N. 2-6-0	14/11/1923
10655	Crank pins	G.N. 2-6-0	15/11/1923
10658	Eccentric rod with ball bearings	G.N. 2-6-0	20/11/1923
10659	Handrails & lagging	G.N. 2-6-0	20/11/1923
10665	Piston & cylinder cover	G.N. 2-6-0	21/11/1923
10668	Equal motion lever	G.N. 2-6-0	21/11/1923
10671	Details of pony truck	G.N. 2-6-0	21/11/1923
10672	Eccentric crank	G.N. 2-6-0	21/11/1923
10673	Arrangement of helical spring gear for pony truck	G.N. 2-6-0	21/11/1923
10674	C.I. packing for 3/4" dia. Piston rod	G.N. 2-6-0	22/11/1923
10675	Pony truck	G.N. 2-6-0	22/11/1923
10684	Drag box	G.N. 2-6-0	22/11/1923
10686	Standard bolts & nuts	G.N. 2-6-0	02/01/1923
10687	Alteration to motion bar bolts	G.N. 2-6-0	22/11/1923
10689	Tender spring gear with Spencer's aux. springs	Class T3, 1924 builds	23/11/1923
10691	Boiler washout seatings etc.	G.N. 2-6-0	11/12/1923
10694	Cab arrangement	G.N. 2-6-0	18/12/1923
10694 part copy	Alteration to cab roof	K3 Darlington builds	
10694 part copy	Diagram of cab	K3 Darlington builds	
10697	Splasher for pony truck	G.N. 2-6-0	19/12/1923
10698	Splasher for leading wheels	G.N. 2-6-0	19/12/1923
10708	Detroit lubrication - end view	4-6-2 type	Jan-24

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10722	Arrangement of Detroit and mechanical lubrication	Q7	Jan-24
10736	Pipe connections	G.N. 2-6-0	25/01/1924
10762	Arrangement of Detroit and mechanical lubricators	S <sup>2</sup> Engine 825 only	Feb-24
10766-1	Boiler	Q5 part 2	Feb-24
10766	Boiler	Class A	Feb-24
10768	Pipe and rod arrangement	Q7	Feb-24
10775	Arrangement of Detroit & mechanical lubricators, end views	G.N. 2-6-0	08/02/1924
10776	Detail of piston & valve spindle oil box	G.N. 2-6-0	08/02/1924
10777	Footplate etc. over pony truck	G.N. 2-6-0	11/02/1924
10780	Screw reversing – details	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 74	Feb-24
10781	Screw reversing bracket	Kitson & Co contract drawing. No. 73 Hull & Barnsley Railway 0-6-0 Tender Engine (LNER Class J23).	Feb-24
10788	Arrangement & details of vac ejector	G.N. 2-6-0	14/02/1924
10791	Arrangement & details of whistle	G.N. 2-6-0	14/02/1924
10795	Axle for standard tender		28/02/1924
10797	Wheel for standard tender		28/02/1924
10815	Train pipe details	G.N. 2-6-0	03/03/1924
10816	Hornblocks	4200 gallon group standard tender D49, J38, J39, K3	Mar-24
10817	Vacuum brake, end view	Standard tender	05/03/1924
10823	Tender axlebox	Class Z	10/03/1924
10824	Double case buffer for trailing end of tender	02/06/2000	10/03/1924
10824	Double case buffer castings	02/06/2000	10/03/1924
10827	Pipe & rod arrangement	Class S2 engine No. 825	11/03/1924

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10828	Front drag casting	Standard tender	11/03/1924
10829	Pipe & rod arrangement, end views	Class S2 engine No. 825	11/03/1924
10830	Slide valve	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 68	Mar-24
10831	Value bridle	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 69	Mar-24
10834	Bearing spring	4200 gallon group standard tender D49, J38, J39, K3, V2. For future see V-405 October 1949	Mar-24
10838	Hand hole for washout door	4-6-2 type	Mar-24
10841	Back drag casting	Standard tender	18/03/1924
10850	Brake hanger bracket (intermediate & trailing)	Standard tender	20/03/1924
10854	Intermediate support for brake shaft	Standard tender	24/03/1924
10856	Centre bearing between engine & tender	Standard tender	25/03/1924
10858	Footsteps	Standard tender	26/03/1924
10859	Brake hanger bracket, leading	Standard tender	26/03/1924
10861	Spring hanger, bracket & Auxiliary spring box	Standard tender	02/04/1924
10861	Spring hanger, bracket and auxiliary box	D49, J38, J39, K3, B17, V2, K4, V4 4200 gallon & 3500 gallon grp std tenders	Apr-24
10863	Pad for steam heating cock	66	03/04/1924
10864	Brackets for brake shaft, handbrake & water scoop	Standard tender	04/04/1924
10865	Frame stay & bracket for vacuum brakes	Standard tender	04/04/1924
10866	Drawhook for tender	Standard tender	07/04/1924
10876	Arrangement of train heating pipes		08/04/1924



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10877	Position of nameplate	4-6-2 type	Apr-24
10878	Tank details for water scoop	Standard tender	10/04/1924
10883	Brake details	Standard tender	15/04/1924
10884	Frame template	Standard tender	15/04/1924
10889	Arrangement of fog signal with sounder	4-6-2 type	15/04/1924
10891	Arrangement of draw gear between engine & tender	Standard tender	16/04/1924
10892	Piston valve (4 rings G.E. type) for 8 engines	2-6-0 G.N.	16/04/1924
10894	Brackets for water scoop shaft	Standard tender	25/04/1924
10895	Manhole & lid	Standard tender	02/05/1924
10903	Tank details	Standard tender	30/04/1924
10909	Brackets for carrying fireirons	Standard tender	12/05/1924
10910	Handrails	Standard tender	29/05/1924
10912	Tender tank	Standard tender	06/05/1924
10913	Details of draw gear between engine & tender	Standard tender	06/05/1924
10915	Brackets & shackles for lifting tanks	Standard tender	07/05/1924
10916	Tool box, arrangement & details	Standard tender	22/05/1924
10920	Details of scoop	Standard tender	16/05/1924
10921	Cylinder water cock for front of outside cylinders	Class Z uniflow	16/05/1924
10929	Position of fog signal	G.N. 4-4-2	22/05/1924
10930	Miscellaneous details	G.N. 4-4-2 booster loco, engine 4419	22/05/1924
10937	Arrangement of water scoop	Standard tender	26/05/1924
10942	Arrangement of Westinghouse brake with alteration to exhaust injector & fog signal pipes	Type 4-6-2, 1923	30/05/1924
10945	Mild steel details for water scoop	Standard tender	02/05/1924

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
10948	Brick arch	2-6-0 G.N.	05/05/1924
10949	Number plate for boilers	Standard	05/05/1924
10950	Firehole deflector plate	2-6-0 G.N.	05/05/1924
10951	Lamp irons	Standard tender	18/06/1924
10957	Arrangement & details of lid for lubricating quadrant link	2-6-0 G.N.	12/06/1924
10958	Frame arrangement	Standard tender	13/06/1924
10963	Bogie spring	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 71	Jun-24
10969	Spring stops	4200 gallon group standard tender	Jun-24
10978	Cover for axlebox No.48 (G.N.)	2-6-0 type	02/07/1924
10981	Diagram shewing hammer blow on coupled wheels	0-8-0 engine	03/07/1924
10982	Diagram showing hammer blow on coupled wheels	C6	Jul-24
10983	Arrangement of brake, train pipe & train heating pipe	Standard tender	04/07/1924
10986	Extension of cab top	Class B	Jul-24
10996	Handrail	2-6-0 type G.N.	24/07/1924
11016	Miscellaneous details for Westinghouse brake	A1 Glasgow builds	Jul-24
11019	Standard brake block (passenger engines)	Class B(HB), engine No. 2436 only m, (ex No. 3055)	05/08/1924
11024	Clip for hose pipe front end of engine		08/08/1924
11025	Insulators for circuit breaker	Electric freight loco	09/08/1924
11030	Proposed lettering on plugs	Cancelled, see 16046	14/08/1924
11033	Bogie arrangement	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 65	Aug-24
11034	Bogie centre castings	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 66	Aug-24

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11035	Bogie wheels and axles	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 67	Aug-24
11036	Bogie horn blocks	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 69	Aug-24
11037	Bogie swing links and pins	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 70	Aug-24
11038	Bogie spring beams, links etc	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 72	Aug-24
11039	Bogie spring carrier and frame stay	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 73	Aug-24
11047	Cylinder front cover, steam chest cover and piston	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 75 also marked up for H & B L1 class	Aug-24
11048	Cylinder back cover and metallic packings	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 76; also marked up for H & B L1 class	Aug-24
11050	Wire trimmings for connecting & coupling rods	Standard (superseded by 15784-D), (S-298)	02/09/1924
11057	Blast pipe and top	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 80 also marked up for H&B L1 class	Sep-24
11071	Standard engine & tender details , (part Nos. 1 - 60)		13/10/1924
11075	General arrangement of No.1 locomotion shewing arrangement of motor suspension worm & wheel drive		20/10/1924
11089	Screw coupling	H & B Class L LNER Class J28 YEC contract no 104	Oct-24
11096	Eccentric sheath, strap and rod	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 84	Nov-24

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11097	Frame stay	2-6-0 G.N.	04/11/1924
11099	Dome casings	Engines 910 and 1275 Railway centenary 1925	Nov-24
11104	Boiler mountings	Engine 910 Railway centenary 1925	Nov-24
11107	Awning and details	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 56	Mar-27
11109	Tender axelboxes	Kitson & Co contract drawing. No. 90 Hull & Barnsley Railway 0-6-0 Tender Engine (LNER Class J23). Also marked for H&B class A	
11112-1	Tender axle box	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 107	
11112	Tender Axlebox	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 98 see drawing 11112 marked on J tracing	Apr-27
11112	Tender Axlebox	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 107 also marked up for H&B L, L1 and LS classes	Nov-24
11123	Steam & Westinghouse brake details	Standard tender	06/12/1924
11131	Reversing screw forgings		11/12/1924
11135-1	Frame arrangement	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 36	Jul-30
11135	Frame arrangement	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 36	Dec-24
11137	Smokebox	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 18	Dec-24
11138	Extended smokebox	J23 Part 1	Dec-24
11139	Leading crank pin	Class T, T1, T2	18/11/1924

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
11149	Cylinder 20" x 26" stroke	J-38	30/12/1924
11150	Cast iron packing for piston rods	J-38	02/02/1925
11157	Slot link for valve machine	J-38	05/01/1925
11158	Back covers for piston valves	J-38	30/01/1925
11159	Motion plate	J-38	06/01/1925
11162	Channel irons and stays for stiffening outside frames of tenders	Class V, Class Z	Jan-25
11163	Piston rod, crosshead, slide bars and blocks	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 82 also marked up for H&B L1 class	Jan-25
11165	Crank axle	J-38	12/01/1925
11167 part copy	Position of lamp irons NE area - LNER		Jun-33
11173	Combined steam & delivery valve for No.9 loco exhaust steam injector	Class F, ordering print	21/01/1925
11177	No. 30/20 combination ejector, Gresham & Dreadnought (vac aux brake)	2-6-0 type G.N.	21/01/1925
11178	Alteration to lubrication link die block for all engines with Walschaerts valve gear		22/01/1925
11180	Sketch showing position in cab of classification of engine etc	Standard	22/01/1925
11181	Screw coupling between engine & tender	H & B Class A Kitson & Co contract drawing	Jan-25
11182	Connecting rod	Class J-38	23/01/1925
11185	Steam brake details	2-6-0 G.N.	24/01/1925
11189	Leading side rod	Class X/25	29/01/1925
11190	Outside connecting rod	Class X/25	29/01/1925
11192	Smokebox	Class X	Feb-25
11193	Arrangement of water scoop	Class X/25	26/01/1925

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11194-1	Alteration to drag beam	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 39A	Jul-30
11194	Drag casting	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 39	
11195	Hornblocks	For driving horns see U-467, March 1947 J38, J39	Jan-25
11196	Hornclips	J38, J39	Jan-25
11196 part copy	Hornclip	J39 Supplied to Beyer Peacock & Co for 1936 builds	Jun-36
11197	Frame stay	Class J-38	28/01/1925
11200	Footplate supports A & B	Class J-38	30/01/1925
11202	Arrangement & details of exhaust injector	2-6-0 type G.N./25	30/01/1925
11206	Tender axlebox	Standard tender	30/01/1925
11206	Tender axlebox	4200 gallon, 3500 gallon std tender Superseded by U-370	Feb-25
11209	Front cylinder cover & piston	Class J-38	04/02/1925
11212	Alteration to pins for valve gear from spring and washer to castle nut		04/02/1925
11216	Tyre sections & profiles	HB standard	05/02/1925
11219	Coupling rods	4-6-2 type G.N. Glasgow builds	06/02/1925
11220	Frame arrangement	Class J-38	07/02/1925
11221	Boiler	Class J-38	07/02/1925
11223	Firebox tubeplate arrangement	Class J-38	11/02/1925
11224	Smokebox tubeplate arrangement	Class J-38	11/02/1925
11225	Arrangement of mountings on S.B. backplate	Class J-38	11/02/1925
11227	Details of cylinder cocks & gear	2-6-0 type G.N./25	11/02/1925
11230	Spring gear	0-6-0 type G.N.	11/02/1925
11241	Eccentric sheaves	Class J-38	31/03/1925

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11242	Eccentric rods	Class J-38	16/02/1925
11243	Draw casting	Class J-38	13/02/1925
11244	Spring adjusting screw bracket and link	J38	Feb-25
11245	Expansion brackets	Class J-38	13/02/1925
11255	Steam sanding details	2-6-0 type G.N./25	16/02/1925
11260	Arrangement of cylinder water cock gear	2-6-0 type	16/02/1925
11266	Eccentrics and rods	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 70; also marked for J75	
11282	Spring	J38, J39	Feb-25
11283	Motion bars	Class J-38	23/04/1925
11286	Front steam chest cover	A(HB)	19/02/1925
11286	Steam chest front cover	H & B Class L LNER Class J28 YEC contract no 46	Feb-25
11289	Equilibrium stuffing regulator box	2-6-0 type GN/25	23/02/1925
11295	Tyre sections	G.N. engines	26/02/1925
11296	Valve tables	Class J-38	25/02/1925
11299	Pads for boiler mountings	Class J-38	26/02/1925
11302	Straight axle	Class Z	28/02/1925
11303	Axlebox (driving)	Class J-38	28/02/1925
11304	Axlebox brass - leading and trailing	J38, J39 See new tracing December 1927	Feb-25
11304	Axlebox brass - leading and trailing	J38, J39 For J39 see drg 15533 December 1933. Also see U-423 October 1940.	Dec-27
11309	Details of steam reversing gear	2-6-0 type G.N./25	03/03/1925
11312	Smoke box arrangement	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 17	
11314	Expansion & sling stays	Class J-38	07/03/1925

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11316	Boiler details	Class J-38	07/03/1925
11317	Transverse stay & brackets in F.B. casing	Class J-38	07/03/1925
11319	Foundation ring	Class J-38	07/03/1925
11320	Dome top & ring	Class J-38	07/03/1915
11322	Riveting in smokebox ring	J38 For engines with J39 boiler see drg 11766-1 March 1932.	Mar-25
11323	Steam reversing gear in cab, left hand side	2-6-0 G.N./25	10/03/1925
11324	Crank pins	Class J-38	10/03/1925
11325	Bracket & guide for steam rev gear cylinders	2-6-0 G.N./25	11/03/1925
11327	Alterations to classes 38 and 59 boilers to suit class C superheated		Feb-25
11328	Arrangement of Mason's valve for steam heating	4-6-2 type G.N. Glasgow builds	12/03/1925
11330	Arrangement & details of ejector L.H. side	2-6-0 type G.N./25	13/03/1925
11336	Relative position of wheels when right-hand crank is on back dead centre	Class J-38	17/03/1925
11337	Firehole door, left-hand drive	2-6-0 type G.N./25	17/03/1925
11338.P	Spring casing for double buffer	2-6-0 type G.N./25	173-1925
11340	Wheels	2-6-0 type G.N./25	17/03/1925
11341	Robinson 24 element cast iron superheater header	D49 part 1, J38 J39 For renewals see drg 16019 January 1935	Retraced August 1931
11343	Buffers	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 48 also marked up for H&B B, G3 & L1 classes	Mar-25
11345	Cab arrangement	2-6-0 type G.N./25	20/03/1925
11359	Mild steel details for smokebox	Railway centenary 1925, 910 engine	01/04/1925



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11360	Reversing shaft bracket	Class J-38	01/04/1925
11361	Cast iron packing for piton rods of H.P. cylinders	Class 4.CC	01/04/1925
11366	Rocking shaft brackets	Existing N.E. engines	06/04/1925
11367	Valve rod & lifting links	Class J-38	07/04/2025
11368	Rocking shaft	Class J-38	07/04/1925
11369	Crank axle	H & B Class L LNER Class J28 YEC contract no 33	
11370	Arrangement of flexible pipe for Halburds Mechanical lubricator	4-6-2 type G.N., Glasgow builds	08/04/1925
11372	Brake hangers & blocks, engine & tender, 910 engine	Railway centenary 1925	09/04/1925
11375	Piston rod	Class J-38	24/04/1925
11378	Disc wheel	Standard tender, for ordering purposes only	16/04/1925
11379	Number and makers plates	Engine 910 Railway Centenary 1925	Apr-25
11380	Crosshead & slide blocks	Class J-38	17/04/1925
11396	Arrangement & detail of safety valve & dome	Railway centenary 1925, 1275 engine	17/04/1925
11397	Double cone ejector & steam cock	Railway centenary 1925, 910 engine	17/04/1925
11397 (part copy)	Handle for operating vacuum ejector	Engine 910 Railway Centenary 1925	May-25
11398	Smokebox arrangement	Railway centenary 1925, 1275 engine	17/04/1925
11399	Arrangement of clothing & mountings	Railway centenary 1925, 1275 engine	17/04/1925
11400	Arrangement of simple vacuum brake on tender	Railway centenary 1925, 910 engine	17/04/1925
11401	Motion details	J-38	20/04/1925
11402	Reversing shaft	Class J-38	22/04/1925
		Hull & Barnsley J class 4-4-0	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11404	Steam chest top cover	Kitson contract drawing No 77 also marked up for H&B L1 class	Apr-25
11406	Reversing lever, sector and rod	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 69	
11408	Ashpan arrangement and details	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 24	
11409	Draw hook	J-38	27/04/1925
11409	Engine and tender draw hook	Group standard For new engines and renewals	May-25
11411	Blast pipe and blower ring	J38	Apr-25
11416	Clothing arrangement	J-38	29/04/1925
11417	Plough	J-38	01/05/1925
11426	Axlebox for pony truck	4-6-2 type G.N.	01/05/1925
11430	Handrails & pillars	J-38	01/05/1925
11434	Pipe and rod arrangement elevation and plan	K3/25	May-25
11437	Bracket for steam reversing gear cylinders	Class J-38	12/05/1925
11438	Smokebox arrangement	J38	May-25
11440	Front fall plate	Class J-38	15/05/1925
11441	Pipe and rod arrangement end view	K3/25	May-25
11442	Steam brake details	Class J-38	16/05/1925
11445	Distance piece for steam pipe	Class J-38	16/05/1925
11446	Liner for cylinders	Class V, S, S1, S2, T	19/05/1925
11447	Plates for bottom of smokebox	J38	May-25
11450	Smokebox steam pipes	Class J-38	20/05/1925
11450	Smokebox steampipes	J38 (2 <sup>nd</sup> copy)	May-25
11451	Details of footsteps on smokebox front	Class J-38	22/05/1925

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
11452	Details of engine drawgear	Class J-38	23/05/1925
11458	Maker's plates	No.1275 engine	28/05/1925
11460	Mild steel details for steam reversing gear	Class J-38	29/05/1925
11461	Brake block	Electric freight loco	02/06/1925
11462	Leading sandboxes	Class J-38	2-6-12925
11465	Front windows	Class J-38	02/06/1925
11465	Front windows for cab	J38, J39, D49, C9, C7 (part 2), B16 (part 2&3) 02(100A boiler)	Jun-25
11466	Seats, toolboxes and wood platform		Jul-25
11467	Back tool and sand box	Class J-38	02/06/1925
11467	Back tool and sand box	J38	Jun-25
11468	Bracket for ejector	Class J-38	02/06/1925
11469	Steam valve seating for steam reversing gear	Class J-38	03/06/1925
11471	Springs for brake blocks	Electric freight	04/06/1925
11472	Firebar details	Class J-38	05/06/1925
11473	Steam & water valves for steam reversing gear	Class J-38	05/06/1925
11474	Details for steam reversing gear	Class J-38	05/07/1925
11481	Bracket for fog signal	Class J-38	09/06/1925
11492	Lamp irons procession items	Railway centenary 1925	11/06/1925
11494	Leading & trailing sandbox details	Class J-38	12/06/1925
11496	Motion arrangement	Class J-38	12/06/1925
11497	Method of bearing brasses on axles by the N.B. locomotive building Co. on G.N. Pacific type	4-6-2-type G.N. Glasgow builds	17/06/1925
11498	3 Link coupling	Standard tender	18/06/1925
11500	Cylinder water cock gear	Class J-38	19/06/1925

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11501	Bogie arrangement, North British engine in Darlington Works for repairs	Class C-15	19/06/1925
11513	Firedoor & tray	Class J-38	24/06/1925
11514	Fall plate	Class J-38	24/06/1925
11527	Regulator rod, handle & bracket	Class J-38	26/06/1925
11528	Axlebox	Class T2	26/06/1925
11529	Arrangement of internal pipes	Class J-38	27/06/1925
11530	Shade for fire door	Class J-38	27/06/1925
11533	Element for heater	Electric freight loco	29/06/1925
11534	Position of Eureka lubricator and details	J38, J39	Jul-25
11537	Ross safety valve 4"	See drawing 16228 August 1935	Jul-25
11538	Regulator elbow pipe	Class J-38	06/07/1925
11541	Valve buckle and crosshead	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 77	Jul-25
11559-1	Brake arrangement	GN section 3500 gall tender	Sep-25
11562	Maximum overall sizes of wheels, complete with crank pins		10/07/1925
11563	Combined cylinder cock & release valve	4-6-2 G.N. Glasgow builds engine 2581	10/07/1925
11569	Wakefield's lubricator	J38	
11570	Unions for mechanical lubricator	J38	Jul-25
11571	Diagram showing hammer blow on coupled wheels	T3 (Q7)	Jul-25
11572	Diagram showing hammer blow on coupled wheels	4-6-2 engine (A2)	Jul-25
11578	Chimney	J38, J39	Jul-25
11581	Sketch showing alterations necessary for fitting standard trimming lubrication to connecting rod big end & coupling rod main bearing on existing engines	N.E., H.B., G.N. engines	06/08/1925
11587	Cover for drop-grate gear	Class J-38	12/08/1925

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11589	Regulator stuffing box and valve	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 31	
11590	Regulator details	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 33	
11591	Unions for mechanical lubricator	4-6-2 type	Aug-25
11592	Sketch showing alteration to vertical roof stay	4-6-2 type/23. Cancelled 19-8-25	17/06/1925
11598	Coal spraying device, slacking cock	Type 2-6-0, 2-6-0/25	27/08/1925
11607	Valve gear tables (Walschaert's gear)	2-6-0 4-cylinder engines (Windsor Castle 4082 G.W. Rly.)	03/09/1925
11608	Oil boxes	J38, J39 Part copy	
11609	Unions	Class J-38	03/09/1925
11610	Arrangement & details of leading sand gear	Class J-38	03/09/1925
11614	Locomotive headlamp (2 glasses)	Group standard	08/09/1925
11618	Proposed drainage for tank top	Standard tender	09/09/1925
11620	Unions for bogie lubricator	NE standard	14/09/1925
11623	Brackets for pressure gauges	J38	Sep-25
11625	Arrangement of water scoop (for engines with LH drive)	Standard tender	23/09/1925
11626	Piston rod	Class P1, P2, P3, U	24/09/1925
11629	Spring adjusting screen, bracket and link	J39	Oct-25
11630	Motion bar oilcup	Class J-38	03/10/1925
11630	Motion bar oil cup	J38, J39	Oct-25
11631	Tyre fastenings	N.E. area	05/10/1925
11632	Cylinders	Class J-39	06/10/1925
11634	Guide for front draw hook	Class J-39	08/10/1925
11635	Plough	Class J-39	09/10/1925
11639	Main reservoir	Standard tender	13/10/1925

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
11643	Corner stays	Classes A, B, C, D, G, L, N, O, P, P1, P2, P3, P3/07, P3 sup, R1, S3, T - T3, U, W, X, X/25, Y, 4-6-2	16/10/1925
11644	Axlebox	Class S3	17/10/1925
11645	Spring stops (tenders fitted with 571A spring)	Class C, C1, F, F1, G, P1, P2, P3	19/10/1925
11646	Screw coupling with gedge hook		Jun-26
11650	Smoke box arrangement	J39	Feb-25
11652	Splashers leading driving and trailing	Class J-39 (re-drawn 12 Feb 1926)	22/10/1925
11658	No 1 piston head stampings traced from , G ... Drawing No 2422	Class S, S2, V, V/09, T, T2, Q, Q2	30/10/1925
11663	Valve crosshead spindle etc (inside)	4-6-2 type G.N. Glasgow builds	05/11/1925
11664	Valve crosshead spindle etc (outside)	4-6-2 type G.N. Glasgow builds	05/11/1925
11665	Door between engine and tender	J38, J39, D49, K3, B17 See drawing Y-1500N from 10.2.36	Jun-30
11666	Bogie arrangement	A8	Nov-25
11669	Front fall plate	Class J-39 (re-drawn 8 Feb 1926)	09/11/1925
11670	Smokebox steam pipes	J39	Apr-26
11675	Arrangement of draught regulator	V (C6)	Nov-25
11676	Draught regulator valve		Nov-25
11677	Manifold for draught regulator	V (C26)	Nov-25
11683	Unions, adaptors etc for Westinghouse brake	Standard tender	30/11/1925
11686	Built up crank axle	4-6-2 type/23	01/12/1925
11687	Cylinders 17" dia x 26" stroke	4-4-0 type	02/12/1925
11688	Loco standard headlamp (three glasses)	Group standard	03/12/1925
11694	Alteration to back cylinder covers for the fitting of cast iron packing	NE superheated engines	04/12/1925
11708	Stand for donkey pump	Class J-39	07/12/1925
11711	Boiler	Class J-39	08/12/1925

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11712	Foundation ring	Class J-39	08/12/1925
11713	Sketch showing clearance of brake pull rods	Standard tender	08/12/1925
11719	Eccentric sheaves, inside cylinder, engines with built up cranks	Class S-3	16/12/1925
11720	Eccentric cylinders, outside cylinders, engines with built up cranks	Class S-3	17/12/1925
11722	Eccentric sheaves, inside cylinders, engines with built up cranks	4-6-2 N.E.	17/12/1925
11725	Drag beam	Class J-39	12/12/1925
11726	Combined steam & delivery valve for injector	Class J-39	21/12/1925
11731	Westinghouse brake details	Class J-39	24/12/1925
11735	Arrangement of firebox mountings	Class J-39	20/04/1925
11737	Bracket for ejector	Class J-39	05/01/1926
11739	Arrangement and details of leading sand gear	Class J-39	05/01/1926
11742	Clothing arrangement	Class J-39	09/03/1926
11743	Arrangements of Wakefield's mechanical lubricator gear	J38, J39	Feb-26
11748	Pipe clips and stays	Class J-38	16/01/1926
11751	No 10 injector right hand G&CC	Class J-39	19/01/1926
11752	No 10 injector left hand G&CC	Class J-39	19/01/1926
11755	Frame stay	Class J-39	22/01/1926
11756	Cab and trailing splashers	Class J(HB)	22/01/1926
11756	Cab and trailing splashers	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 60 in Kitson roll	Feb-26
11757	Wheels	Class J-39	26/01/1926
11758	Automatic steam brake valve	Class J-38	28/01/1926

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Drawing No.	Title	More Info	Date
11763	Bearing spring	J38, J39, K4 Group standard tender 3500 galls	Feb-26
11764	Back steam chest cover	4-6-2 type G.N., Glasgow builds	03/02/1926
11766-1	Riveting in smokebox ring	J39	Mar-30
11766	Riveting in smokebox ring	J39, D49 J39 transferred to 11766-1	Mar-26
11766	Riveting in smokebox ring	D49	Jun-30
11767	Ellipse diagrams	D49	Feb-26
11770	Hornblocks and clips	J38, J39, K4, V4 Group standard tender 3500 galls	Feb-26
11773	Main reservoir and supports	3500 gallons group standard tender	10/02/1926
11774	Arrangement of feed water cocks, tenders fitted with steam or Westinghouse brake, 1¾" bore armoured rubber hose	Standard 4200 gallons tender	10/02/1926
11775	Westinghouse brake details	Group standard 3500 gallons tender	11/02/1926
11777	Arrangement of feed water cocks (Tenders fitted with vac brake 1¾" bore armoured rubber hose)	Standard 4200 gallons tender	17/02/1926
11778	Assembly of regulator gear of back plate	Class J-39	18/02/1926
11779	Internal pipes	Class J-39	19/02/1926
11781	Frame template	Class J-39	20/02/1926
11786	Arrangement of front water cocks, 1¾ bore armoured rubber hose	N.E. standard	23/02/1926
11789	Disc wheel group standard tender 4200 & 3500 gallons		24/02/1926
11791	Frame arrangement 3500 gallon tender	Group standard tender	01/02/1925
11792-1	Blast pipe	J39 See drg 16107 for blower ring	Oct-35
11792	Blast pipe	J39 See drg 16107 for blower ring, May 1935	Mar-26
11794	Trailing sandbox and toolbox in cab	Class J-39	01/03/1926



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11807	Axlebox leading and trailing (Brass)	Class J-39, Cancelled	06/03/1926
11808	Superheater elements and smoke tubes	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 25	
11810	Motion arrangement	Class J-39	08/03/1926
11811	List of plates and angles for group standard 3500 gallon tender tank		09/03/1926
11812	Crosshead and slide blocks	Class J-39	11/03/1926
11816	Relative position of wheels when right hand drive is on back dead-centre	Class J-39	15/03/1926
11819	Arrangement steam reversing gear	Class J-39	20/03/1926
11820	Lever for valveless mechanical lubricator	4-6-2 type G.N., Glasgow builds	22/03/1926
11821	Blower operating valve	Class J-39	02/03/1926
11825	Firebars	Group standard	26/03/1926
11826	Details for steam reversing gear	Class J-39	27/03/1926
11827	Cab	Class J-39	29/03/1926
11829	Trailing sandbox details	Class J-39	07/04/1926
11833	Steam brake cylinder	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 47	
11834	Frame template	3500 gall standard	8-4-926
11835	Inside motion plate and lever bracket	Class D-49	08/04/1926
11836	Outside motion plate	4-6-2 tank Hawthorn	09/04/1926
11840	Support for reversing shaft & expansion link brackets	D49	May-26
11841	Arrangement of Westinghouse brakefeed water connections and train heating	J39 Group standard tenders 3500 galls	Apr-26
11842	Frame arrangement	Class J-39	17/04/1926
11843	Coupling rods	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 76	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11845	Reservoir hoops	Group standard 3500 gallons tender	19/04/1926
11845	Horn clip	D49 Superseded by drg 13629, Sept 1929 and drg 13474, June 1931	Jul-26
11847	Arrangement & details of mechanical lubrication of axleboxes Wakefield's lubricator	K3 Supersedes drawing 10760	Apr-26
11854	Seats, toolboxes and wood platform	Class J-39	30/04/1926
11854 (part copy)	Method of lubricating centre bearing between engine and tender	J39	Nov-27
11855	Frame arrangement	Class D-49, P, T1	30/04/1926
11856	Brake details	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 48	
11858	Frame stay	Class D-49	08/05/1926
11861	Alteration to coal slacking cock	K3. R & L	19/05/1926
11864	Arrangement and details of mechanical lubrication of axleboxes Wakefield lubricator	J39	May-26
11864 (part copy)	Oilbox for mechanical lubricator lever	J39	
11865	Unions for mechanical lubricator	J39 Not required for engines with lubricator arrangement to drawing 13624	May-26
11866	Hornblock	D49	Jul-26
11866	Hornblock	D49	Jan-35
11868	Smokebox bottom casting	H & B Class L LNER Class J28 YEC contract no 22	May-26
11870	Smokebox bottom casting	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 19	
11872	Arrangement of Auto-Car gear	Class A	26/05/1926
11873	Cast steel saddle for smokebox D49	Class D-49	27/05/1926

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11874	Boiler	B(HB) saturated/26	27/05/1926
11876	Pad for Ross's pop safety valve		Apr-32
11878	Reversing shaft brackets	D49, B16/3	Jun-26
11880	Smokebox wrapper plate	J39	Jun-26
11883	Bracket for drivers brake valve	Class J-39	03/06/1926
11884	Reversing screw casting	Class A autocar engine	04/06/1926
11887	Brackets for pressure gauges	Class J-39	07/06/1926
11889	Stand for donkey pumps	Class D-49	07/06/1926
11890	Reversing screw bracket	Class A autocar engine	08/06/1926
11893	Hoops for 15" and 10" Westinghouse brake reservoirs	Class J-39	09/06/1926
11896	Smokebox (last 5 engines)	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 21	
11897	Alteration to axlebox keep and tray	A1, A3, K2, K3, D49	Jan-24
11898	Footplate support	Class D-49	10/06/1926
11900	Regulator stuffing box and seat	H & B Class L LNER Class J28 YEC contract no 16	
11901	Injector details	Class J-39	14/06/1926
11904	Outside connecting rod, "Woodard"	Class D-49 pt 1	15/06/1926
11905	Connecting rod bushes and side rod bush	Class D-49 pt 1	16/06/1926
11906	Built up crank axle	Class D-49 pt 1. Cancelled, see T-220N	16/06/1926
11909	Auto-car details	Class A autocar engine	17/06/1926
11910	Brake hanger bracket	Class D-49 pt 1	18/06/1926
11911	Back centre piston valve cover, gland & packing	Class D-49 pt 1	18/06/1926
11912	Unions & adapters for Westinghouse & vacuum brakes	Class J-39	18/06/1926

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11913	Bracket for steam reversing gear cylinders	D49	Jun-26
11916	Coupling rod	Class D-49	21/06/1926
11917	Spring gear	D49	Jul-31
11918	Auto-car details	Class A autocar engine	23/06/1926
11919	Trailing axle	Class D-49 pt 1, ordering tracings only	24/06/1926
11920	Bogie axle	Class D-49 pt 1, ordering tracings only	24/06/1926
11921	Back outside piston valve cover, gland & packing	Class D-49 pt 1	25/06/1926
11922	Bogie centre castings	Class D-49 pt 1	28/06/1926
11923	Inside connecting rod	Class D-49 pt 1	28/06/1926
11926	Leading and trailing axle	H & B Class L LNER Class J28 YEC contract no 34	Jul-26
11928	Coupling rod	Class D-49 pt 1	02/07/1926
11932	Drag beam	Class D-49	07/07/1926
11934	Outside connecting rod	Class D-49 pt 1	08/07/1926
11937	Bronze axlebox pattern No 48	A1, A3, K2, K3, D49	May-30
11945	Weights to balance coupled wheels	4-6-2 type	23/07/1926
11947	2 to 1 motion lever	D49	Aug-26
11948	Equal motion lever	D49	Jun-28
11949	Pipe & rod arrangement	Class J-39	27/07/1926
11950	Proposed "Owen" patent double beat regulator	Class D-49	29/07/1926
11953	Boiler studying stay support	Class D-49	04/08/1926
11954	Front piston valve cover	Class D-49	04/08/1926
11961	Chimney	D49	Aug-26
11963	Piston valve, lines & spindle	Class D-49	11/08/1926
11964	Blast pipe	D49 For blower ring see drg 16107, May 1935	Oct-31

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Drawing No.	Title	More Info	Date
11965	Bogie wheel	Class D-49 pt 1	13/08/1926
11966	Bogie frame template	Class D-49 pt 1	16/08/1926
11969	Eccentric rod with ball bearings	D49	Jan-27
11970	Eccentric crank	Class D-49 pt 1	16/08/1926
11971	Expansion link	D49	Jan-27
11973	Bogie control details	Class D-49	19/08/1916
11974	Grease separator traced from D & N drg No. 4732	Class D-49	19/08/1926
11975	Smokebox steampipe	D49	Aug-26
11976	Distance piece for steampipe	D49	Aug-26
11977	Bogie axlebox	Class D-49	25/08/1926
11978	Bogie axlebox guides	Class D-49	25/08/1926
11980	Combining cones for Gresham & Craven's combination injectors Nos. 8, 9 & 10 m/m	Standard	27/08/1926
11985	Bogie & details	Class D-49	30/08/1926
11986	Plough	Class D-49	30/08/1926
11987	Bogie arrangement	Class D-49	30/08/1926
11988	Bogie dust shields	Class D-49	30/08/1926
11989	Crosshead	Class D-49 pt 1	02/09/1926
11990	Clip for front fall plate	Class D-49 pt 1	03/09/1926
11991	Wakefield's patent mechanical lubricator	D49	Apr-27
11992	Front fall plate	Class D-49 pt 1	06/09/1926
11993	Valve gear	D49 Sheet 1	Jan-27
11994	Valve gear	D49 Sheet 2	Feb-27
11995	Crank pins	Class D-49 pt 1, first 6 engines fitted with forked connecting rod	08/09/1926
11996	Crank pins	Class D-49 pt 1, first 4 engines fitted with ordinary connecting rod	08/09/1926

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
11999	Pressure release valve for cylinders	Class D-49 pt 1	16/09/1926
12000	Brackets for pressure gauges	J39 For brackets on engines with Westinghouse brakes see drawing 11887	
12001	Leading sand boxes	Class D-49 pt 1	18/09/1926
12003	Plough back end of tenders	Group standard tender, 3500 galls.	21/09/1926
12007	Eccentric rod with ball bearings	D49	Jan-27
12008	Splasher for bogie wheels	Class D-49 pt 1	27/09/1926
12014	Plough for back end of tender	Group standard tender, 4200 galls.	04/10/1926
12015	Modification to stay on tender to suit standard engine water block drg No. 11019D	Group standard tender, 4200 galls.	04/10/1926
12016	A.R.L.E. standard tyre sections		06/10/1926
12017	A.R.L.E. section of tyres & fastenings		06/10/1926
12018	Cast iron packing for piston rods	Class D-49 pt 1	08/10/1926
12020	Alteration to tube plate stays	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 7	
12021	Cover for reversing links	D49	Apr-27
12022	Arrangement & details of mechanical lubricator	D49	Apr-27
12023	No.9 Injector, footstep type	Gresham & Craven's Right Hand	12/10/1926
12024	Footplate step	Class D-49 pt 1	13/10/1926
12025	Bogie truck for quayside electric locomotive		27/09/1928
12029	Valves, lubricators etc for reversing cylinders	D49	Oct-26
12030	Clothing arrangement	Class D-49 pt 1	21/10/1926
12033	Crosshead & slide blocks	Class J-39, last 14 engines	23/10/1926
12035	Outside motion bars	D49	Oct-26
12036	Inside motion bars	D49	Nov-26

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12037	Arrangement & details of sand gear	Class J-27, 1 engine only	25/10/1926
12038	Footplate details	Class D-49 pt 1	26/10/1926
12039	Brake gear details	Class D-49 pt 1	27/10/1926
12040	Piston rod	Class J-39, last 14 engines	27/10/1926
12042	Smokebox arrangement	Class D-49 pt 1	01/11/1926
12043	Cylinders for Lentz patent valves for oscillating gear	Class D-49, 6 engines	02/11/1926
12045	Driving & trailing wheels	Class D-49 pt 1, first 6 engines	04/11/1925
12046	Outside valve spindle crosshead	Class D-49 pt 1	04/11/1926
12047	Inside valve spindle crosshead	Class D-49 pt 1	08/11/1926
12049	Regulator box and valves	H & B Class L LNER Class J28 YEC contract no 14	Nov-26
12050	Handrails & pillars	Class D-49 pt 1	08/11/1926
12056	Details of steam cock for steam reversing gear	D49	Nov-26
12057	Oil boxes for motion bars and glands	D49	Nov-31
12065	Driving & trailing wheels	Class D-49 pt 1, last 4 engines only	24/11/1926
12068	Details for steam reversing gear	D49	Nov-26
12072	Alteration to existing wheel rims to suit group standard fastening	N.E. section	30/11/1926
12073	Front cylinder cover & cast steel piston	Class J-38, J-39	01/12/1926
12076	Proposed modification of engine & tender footstep		07/12/1926
12077	Arrangement of ashpan & drop grate	Class D-49 pt 1	08/12/1926
12080	Reversing shaft	D49	Feb-27
12081	Arrangement of steam reversing gear	D49	Dec-26
12087	Weights to balance class T2 wheels	Class T2, engine No.1247	24/12/1926
12089	Stiffening plate for boiler back plate	Class J-39, D-49 pt 1	31/12/1926
12097	Details of steam chest pressure gauge	D49	Jan-27

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
12099	Pipe clips & hangers	Class J-39	10/01/1927
12101	Valve motion table	D49, B16	Jan-27
12103	Arrangement & details of sand gear	Class D-49 pt 1	20/01/1927
12105	Pipe clips & hanger for tender	Class J-39	27/01/1927
12109	Pipe clips & hangers	Class J-39	05/02/1927
12110	Front steam chest covers	4-6-2 type G.N., Glasgow builds	08/02/1926
12112	Smokebox	Class B(HB)/26, J-23 pt3	09/02/1927
12114	Arrangement of booster	Class Z, C-7	10/02/1927
12116	Arrangement of auto-car gear	Class O	14/02/1927
12117-1	Brackets for pressure gauges for engines with steam brake	D49	May-31
12119	Cab side windows	Class D-49	15/02/1927
12119	Cab side windows	D49, K3, C9, C7 (rotary), D20 (rebuild), B16	Feb-27
12121	C.S. Tender drag box, front end	4-6-2 type G.N., Glasgow builds	18/02/1927
12122	Exhaust injector details	Class D-49 pt 1	21/02/1927
12126	Cylinder cock details	Class D-49 pt 1	25/02/1927
12133	Coal slacking cock	Class D-49 pt 1	02/03/1927
12135	Drip valve for steam brake cylinder	Standard	03/03/1927
12139	Steam cylinder for steam reversing gear	D49, A2/1	Mar-27
12140	Cataract cylinder for steam reversing gear	D49	Mar-27
12143	Foundation ring	Class D-49 pt 1	09/03/1927
12149	Cylinder for rotary Lentz valve gear, 17" dia. 26" stroke		15/03/1927
12149 (part copy)	Alteration to cylinders for renewable valve seats steam and exhaust and steam ports for "RC" poppet valve gear	D49, C7 (rotary)	Apr-31
12152	Steam chest top cover	Hull & Barnsley LS class LNER J28	



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12152	Steam chest top cover	Kitson & Co contract drawing no 73	
12153	Inside motion plate	Class D-49 pt 2	16/03/1927
12155	Seats and floorboards in cab	D49	Mar-27
12159	Details for pyrometer	Class J-39	21/03/1927
12160	Proposed additional dowel pin & checking of tap bolts, mechanical lubricator	Class D-49 pt 2	21/03/1927
12166	Clip for load classification number	Class J-39, engines with vacuum brake	07/04/1927
12167	Bogie brake shaft bracket	Type C-7 with booster	07/04/1927
12168	Proposed hinged lid for axlebox	J39	Apr-27
12169	Lentz valve box for inside cylinder	D49	Apr-27
12170	Lentz valve box outside cylinders (oscillating)	Class D-49 pt 3	08/04/1927
12170	Lentz valve box for outside cylinders	D49	Apr-27
12172	Cylinder relief valve	Class J-38, J-39	11/04/1927
12184	Alteration to brake, hand & steam, on tender	Class J-38, Southern Scottish area Group standard tender 4200 galls.	22/04/1927
12185	Brake & hanger brackets	Class D-49 pt 1, last 4 engines	26/04/1927
12187	Brake details, alteration to brake hand & steam on tender	Class J-38, Southern Scottish area Group standard tender 4200 galls.	18/04/1927
12189	Details of Lentz valve box	D49	Apr-27
12192	Details of Lentz valve box	D49 Sheet 2	May-27
12193	Quadrant plate & pointer for setting Lentz poppet valves	D49	May-27
12196	Extension to filling hole, leading sand boxes	Class D-49 pt 1	03/05/1927
12197	Saddle casting	Class D-49	04/05/1927
12198	Details of Lentz valve box	D49 Sheet 3	Jul-27
12200	Branch pipe, steam pipe & cast iron cover for smokebox		06/05/1927

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12201	Special Arrangement for Lentz valve box	Class D-49 pt 3	06/05/1927
12203	Piston head with narrow rings	Class Z	09/05/1927
12205	Arrangement of tender bogie	Type 07 with booster	10/05/1927
12206	Arrangement of Schmidt's superheater header with anti-vacuum valve D-21	Class R1	10/05/1927
12209	Arrangement of internal pipes	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 8; also marked up for H&B L1 class	May-27
12210	Blast pipe & blower	Class D-49	11/05/1927
12211	Arrangement & details of emergency reversing gear	D49	May-27
12213	Piston head with narrow rings	N.E. 4-6-2	11/05/1927
12214	Piston rod and valve spindle glands and packings	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 74	May-27
12215	Sectional arrangement of Lentz valve box outside cylinder	D49	May-27
12220	Bogie spring	Class O (old design altered and strengthened)	23/05/1927
12226	Piston valve liner	D49 Superseded by drawing 15238	May-27
12231	Oil boxes for crosshead	D49, C7, K3. B16 Supersedes drawing to same number dated August 1932	Sep-34
12235	Pistons valve liner	2-6-0 type K-3	31/05/1927
12236	Piston valve liner	J38, J39, A5 Superseded by drawing 15270	Jun-27
12239	Combination lever	A1, K3	Nov-26
12246	Method of replacing & withdrawing piston rod	D49, B17, C7 (copy)	Feb-28
12250	Method of replacing & withdrawing piston rod	J39	Feb-28
12251	Arrangement of "Ashcroft" cut off control gauge	Class S-3	13/06/1927

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
12252	Arrangement of axlebox lubrication	D49	Jun-27
12253	Arrangement for parting piston and piston rod	J39	
12263-2	Outside valve rod	D49	Feb-29
12261	Regulator	H & B Class G3 Kitson & Co contract drawing no23	
12264-2	Centre valve rod	D49	Dec-28
12272	Eccentric crank	4-6-2 type G.N., Glasgow builds	22/06/1927
12282	Reversing screw bracket	H & B Class L LNER Class J28 YEC contract no 61	
12283	Reversing details	H & B Class L LNER Class J28 YEC contract no 62	
12295	Westinghouse brake details	4200 galls. Group standard tender	30/06/1927
12296	Stiffening plate for front buffer beam	Class J-39	01/07/1927
12298	Details for ashpan drench pipe	Class D-49	05/07/1927
12300	Ashpan drench pipe arrangement	Class D-49	06/07/1927
12303	Arrangement of Westinghouse or steam brake vacuum and train heating pipes	Group standard tender 4200 galls superseded by drawing 14055	Jul-27
12307	Packing pieces on cylinder flanges to smokebox saddle	D49	Jul-27
12310	Outside motion bars	D49	Jul-29
12313	Front fall plate	Class D-49 pt 3	29/07/1927
12315	Horn block clip	Class Y, X	29/07/1927
12315	Liner for cylinders	D49	Aug-27
12317	Ordering diagram for weights of tyre section	Hull & Barnsley	29/07/1927
12319	Oilboxes and details for axlebox lubrication	D49	Aug-27
12320	Frame template	Class D-49 pt 3	10/08/1927

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12322	Smokebox steam pipes (oscillating)	Class D-49 pt 3	15/08/1927
12326	Boiler	Class J(HB), L(HB), L-1(HB)	18/08/1927
12330	Cylinder	H & B Class L LNER Class J28 YEC contract no 42	
12331	Frame arrangement	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 38	
12332	Frame	H & B Class L LNER Class J28 YEC contract no 26	
12333	Frame arrangement	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 37	Aug-27
12338	Arrangement of hand reversing gear	D49	Nov-27
12340	Lubrication shield for piston rod	Standard LNER locos 2 <sup>nd</sup> copy retraced August 1948 supersedes original drawing	Sep-27
12341	Arrangement of lettering and number	Sentinel shunting loco	Sep-27
12341	Arrangement of lettering etc.	"Sentinel" shunting loco (Faverdale)	02/09/1927
12342	Clothing plate between cylinder & bogie casting	Class D-49 pt 1	05/09/1927
12343	Weights to balance coupled wheels	Class D-49 pt 1	08/09/1927
12345	Crosshead & side blocks	Class J-39	13/09/1927
12350	Combined steam & delivery valve for use with No. 9 exhaust steam injector	Class H	20/09/1927
12353	Diagram showing types of piston rings	D49	Sep-27
12354	Supports for heater	C7 For details of heater supports see drawing 12425	Sep-27
12355	No. 9 loco exhaust steam injector	Class D-49	23/09/1927
		Hull & Barnsley J class 4-4-0	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12356	Reversing screw, bracket and details	Kitson contract drawing No 90; also marked up for H&B L1 class	Sep-27
12357	Nameplate	D49, pts ! & 2	Sep-27
12360	Smokebox arrangement	Class D-49 pt 3 (oscillating Lentz valves)	26/09/1927
12361	Smokebox No 3B	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No ?	
12370	Blast pipe	C7	Sep-27
12371	Smokebox bottom plate	Class D-49 pt 3 (oscillating Lentz valves)	28/09/1927
12372	Reversing shaft and arms	D49	Sep-27
12380	Reversing screw and bracket	D49	Oct-27
12381	Cover for reversing bracket	D49	Oct-27
12382	Steadying bracket for reversing rod	D49	Sep-27
12385	Clothing for outside steam pipe	Class D-49 pt 3 (oscillating Lentz valves)	03/10/1927
12391	Details for ACFI feed pump	C7	Oct-27
12393	Clothing plates between cylinders & bogie casting	D49	Oct-27
12395	Weights to balance coupled wheels	Class D-49 pt 1, last 4 engines	13/10/1927
12402	ACFI system high temperatures feed water apparatus	C7	Nov-27
12404	Details of drain cock gear for ACFI feed pump	C7	Oct-27
12406	Clothing for outside valve boxes	D49	Oct-27
12407	Arrangement of leading sand gear	Class D-49 pt 3 (oscillating Lentz valves)	23/10/1927
12408	Arrangement of ACFI system high temperature feedwater apparatus. End views.	C7	Nov-27
12409	Proposed cab arrangement	K-3 Doncaster, 1928 builds	25/10/1927

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Drawing No.	Title	More Info	Date
12410-1	Mechanical lubricator arrangement and details	D49	Jun-31
12410	Mechanical lubricator arrangement and details	D49	Oct-27
12411	Arrangement of cylinder & valve box clothing	Class D-49 pt 3 (oscillating Lentz valves)	28/10/1927
12412	Proposed chimney	K-3 Doncaster 1928 builds	28/10/1927
12414	Cab & Splashers	Class D-49 pt 3 , oscillating	31/10/1927
12414	Cab and splashers	D49	Dec-33
12415	Expansion sling stay, Nos. 1, 2, 3	Standard	31/10/1927
12416	Erection of suction reservoir ACFI system	C7	Oct-27
12418	Coupled wheels	H & B Class L LNER Class J28 YEC contract no 32	Nov-27
12419	Wheels driving and trailing 6'6" diameter	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 59	Nov-27
12420	L D & T wheels	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 53	Nov-27
12425	Details of heater supports ACFI system	C7	Nov-27
12426	Proposed arrangement of spring on carrying wheels	Class V, V/09, Z	03/11/1927
12427	Flanges ACFI system	C7	Nov-27
12432	Stiffening stay on brake shaft carriage	Class J-39	08/11/1927
12435	Additional weights to balance wheels of engines fitted with built up crank axles	4-6-2 type N.E.	11/11/1927
12437	Steam valve, stand, thermometer bracket & details ACFI system	C7	Nov-27
12438	Disc wheels for tenders assemble on axle	Ordering tracing	14/11/1927
12439	Substitute for Tee bars for longitudinal stays	Class J-38, J-39, D-49	15/11/1927

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Drawing No.	Title	More Info	Date
12440	Substitute for Tee bars for vertical (firebox) stays	All 5'-0" dia boilers	15/11/1927
12442	Eccentric strap	J38, J39	Dec-27
12443	Arrangement of Flaman speed indicator	Class Z	18/11/1927
12444	Multiple valve arrangement in smokebox	Class D-49	23/01/1927
12450	Alteration to coupling rod & pin	Class A-3 high pressure boiler, one engine only	24/01/1927
12457	Boiler support details, see also steam trap	Class A-1, A-3	15/11/1927
12466	1/2" Steam cock steam supply to anti carboniser	Class A-3	24/11/1927
12470	Regulator pull rod & details, multiple valve	Class D-49 pt 1	28/11/1927
12473	Steam valves	Class A-1, A-3	30/11/1927
12479	Handle for screw reversing gear	D49, B16, J39, C7	Dec-27
12496	Brass lubricator box		14/12/1927
12502	Heating apparatus elbow & safety valve	Class J-39, 1928 builds	19/12/1927
12503	Elbow pipes & patch on boiler for exhaust injector	Class J-39/1925	19/12/1927
12504	Branch pipe for smokebox steam pipe	Class D-49 pt 3	19/12/1927
12506	Smokebox steam pipes (multiple header)	Class D-49 pt 3	29/12/1927
12510	Element bolt washer	Class D-49 pt 3	22/12/1927
12536	Lubrication for spindles, operating & indicating levers, steam reversing gear	D49	Jan-28
12537	Footplate supports	Class J-39/ 1928 builds	03/01/1928
12545	(Proposed) Arrangement of brake & water scoop	3500 gall. Tender. Class J-39, 1928 builds	05/01/1928
12547	Adapter for vacuum ejector	Class D-49 pt 3	09/01/1928
12550	Cylinder relief valve	Class J-39, 1928 builds	12/01/1928
12552	Arrangement of flexible coupling between engine & tender	Class D-49	13/01/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12554	Reversing of shaft	J39	Jan-28
12556	Connecting rod large end	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 83 also marked up for H&B L1 class	Jan-28
12557	Connecting rod small end	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 84; also marked up for H&B L1 class	Jan-28
12560	Arrangement & details of mechanical lubrication for cylinders	J39	Jan-28
12561	Regulator	Class J-38	20/01/1928
12567	Guard for swab on trailing axle box	D49, 4-6-4 HP	Jan-28
12569	Reversing screw & bracket	J39, B16, D49	Jan-28
12570	Cover for reversing bracket	J39, B16	Jan-28
12571	Steadying bracket for reversing rod	J39	Jan-28
12573	Plate to be fixed in cab to denote where engine is to be sent for repairs	Standard	27/01/1928
12574	Arrangement details for cylinder cock gear, Lentz oscillating valve	Class D-49 pt 3	28/01/1928
12575	Cylinders H.P.		28/01/1928
12578	Unions for cylinders mechanical lubrication	J39	Jan-28
12579	Proposed waste pipe on footplate	Class D-49	30/01/1928
12580	Cylinder cocks, Lentz oscillating valves	Class D-49 pt 3	30/01/1928
12584	Guard for hole in footplate for mechanical lubricator lever	D49	Feb-28
12586	Bracket & guide for steam reversing gear cylinders	K3	Feb-28
12587	Arrangement of hand reversing gear	J39	Feb-28
12592	Proposed footsteps at front end	Class D-49	06/02/1928
12594	Steam reversing gear in cab	K3	Feb-28



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Drawing No.	Title	More Info	Date
12596	Arrangement of steam reversing gear	K3	Feb-28
12599	Outside motion plate, right hand side	Class D-49 pt 2	10/02/1928
12600	Finger gauges	C7	Feb-28
12607	Water gauge lamp	Group standard	14/02/1928
12608	Door for coal hole, 4200 gallon & 3500 gallon group standard	Class J-39, 1928 builds	15/02/1928
12609	Brake details	Class J-39, 1928 builds	15/02/1928
12611	Arrangement & details of Ashcroft control gauge	Class D-49 pt 1	17/02/1928
12613	Frame arrangement	4-6-4 H.P. order No. 138	18/02/1928
12617	L.P. exhaust pipes, saddle casting & H.P. motion plate		21/02/1928
12618	Assembly of bearing for cam gear driving shaft on motion plate R.H. side	Class D-49 pt 2	21/02/1928
12623	Engine & tender drag castings with "Goodall" articulated draw bar	Class J-39	27/02/1928
12625	Back cylinder covers and cast iron packing	D49, C7(rotary)	Jan-29
12628	Arrangement of Class H exhaust injector	Class D-49 pt 3	27/02/1928
12630	Arrangement of Class H exhaust Injector	Class J-39, 1928	01/03/1928
12631	Arrangement & details of valve chest drainage & lubrication of cam shafts	D49	Mar-28
12632	Engine & tender on 5 chain curve	Class T1	05/03/1928
12637	Exhaust injector details	Class J-39, 1928	08/03/1928
12638	Cab windows and injector strums in tank	Hull & Barnsley (H & B) class F3 LNE N13 R & W Hawthorn Leslie & Co Ltd Contract Drawing No 62	
12647	Details for Owen's regulator	Class J-39, 1928	19/03/1928
12648	Proposed arrangement of tank drainage	Standard tenders	21/03/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12649	Crank for worm drive	Class D-49 pt 2, rotary Lentz	21/03/1928
12651	Regulator details, handle etc.	Class J-38	22/03/1928
12654	L.P. cylinders 20" dia. X 26" stroke	4-6-4 H.P.	23/03/1928
12657	Bearing bracket for cam gear driving shaft, R.H. side	Class D-49 pt 2, rotary Lentz	28/03/1928
12658	Cylinders	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 69	
12659	HP piston and hollow rod	4-6-4 HP	Oct-28
12659	HP piston and rod	4-6-4 HP Cancelled August 1933	Sep-30
12660	HP front cylinder cover	4-6-4 HP Cancelled	Mar-28
12660	HP front cylinder cover	4-6-4 HP	Sep-30
12663	Frame arrangement, Lentz rotary		30/03/1928
12666	Lubrication shield for piston rod	Class D-49 pt 2, rotary Lentz	31/03/1928
12670	Steel saddle for smokebox	D49	Apr-28
12671	Crank pins	Class D-49 pt 2, rotary Lentz	04/04/1928
12672	Bogie arrangement, type H1	Class D	11/04/1928
12682	Increasing bevels for reversing gear	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12683	Reversing screw	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12684	Flexible & flanged coupling for Reversing & main drive	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12685	Camshaft driving wheel casing	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12686	Cam shaft bushes and oiling details	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12688	Detail of driving wheel casing, inner half	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12689	Bevel wheels, shaft & flange coupling, main drive	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12690	Detail of camshaft cage, right hand side cylinder section	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12691	Detail of camshaft cage, left hand side cylinder section	Class D-49 pt 2, rotary Lentz valves	13/04/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12692	Detail of camshaft cage, centre cylinder section	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12693	Driving box details	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12694	Details of camshaft, collars, bearings etc.	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12698	LP piston rod	4-6-4 HP	Oct-28
12700	Branch pipe, cast iron cover, distance piece & lenticular ring	Class D-49 pt 2, rotary Lentz valves	17/04/1928
12701	Built up crank axle	04/06/2004	18/04/1928
12708	LP front cylinder cover	4-6-4 HP	Apr-28
12718	Owen's balanced regulator valve	Class J-39, 1928 builds	23/04/1928
12723	Sectional arrangement through cam chamber	Class D-49 pt 2, rotary Lentz valves	27/04/1928
12724	Slip coupling drg no 9049 attached to locomotive and coaching stock drawhooks		Apr-28
12725	H.P. & L.P. cylinder steam pipes	4-6-4, H.P. order No. 138	27/04/1928
12726	Train pipe alteration at trailing end of 5000 gallon corridor tender	G.N. attachment to Z-87N	30/04/1928
12727	Oiltray for driving axlebox No 48	A1, A3, K3, D49	Jun-28
12730	Diagram showing level of water on FB crown	All N.E. boilers	09/05/1928
12731	Arrangement of water gauge on 5000 gallon corridor tender	04/06/2002	03/05/1928
12733	Straight axle	4-6-4 H.P. order No. 138	04/05/1928
12734	Axle for Bissel truck & bogie	4-6-4 H.P. order No. 138	04/05/1928
12736	Arrangement of "Kylala" blast pipe	Class D-49	04/05/1928
12737	3'-2" Trailing wheel axle	4-6-4 H.P. order No. 138	05/05/1928
12738	Group standard water gauge, G.N. drg No. W-288N	Group standard	07/05/1928

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12740	Outline of piston stuffing box, L.P. cylinder	4-6-4, order No. 138	08/05/1928
12740	Outline of piston stuffing box for cylinders 20" x 26" stroke	4-6-4 HP	May-28
12742	Hornblocks (intermediate)	4-6-4 order No. 138	08/05/1928
12743	Hornblocks (leading & trailing)	4-6-4 order No. 138	08/05/1928
12749	Cam shaft cage, valve spindle, spring, intermediate, rollers etc. rotary Lentz valve	Class D-49 pt 2, rotary Lentz valves	10/05/1928
12750	Inverted type worm reducing gear(reversing gear)	Class D-49 pt 2, rotary Lentz valves	10/05/1928
12752	Outline of piston stuffing box for cylinders 12" x 2" stroke	4-6-4 HP	May-28
12752	Patent metallic packing HP piston 450lbs pressure	4-6-4 HP	Dec-32
12752 (amended)	Alteration to HP patent metallic packing	4-6-4 HP	Jan-29
12753	Blastpipe	H & B Class L LNER Class J28 YEC contract no 20	
12754	Back piston valve cover, gland & packing HP cylinders	4-6-4 HP	May-28
12755	Worm drive for valve gear (arrangement)	Class D-49 pt 2, rotary Lentz valves	16/05/1928
12756	Smokebox arrangement	Class D-49 pt 2, rotary Lentz valves	16/05/1928
12757	Bogie axlebox, type H1	Class D	16/05/1928
12762	Motor arrangement (proposed)	Class D-49 pt 3 Lentz oscillating valves	18/05/1928
12765	Smokebox arrangement	Class J(HB), L-1(HB)	28/05/1928
12766	Cab arrangement	H & B Class L LNER Class J28 YEC contract no 71	May-28
12768	Back piston valve cover, gland & packing LP cylinders	4-6-4 HP	May-28

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Drawing No.	Title	More Info	Date
12774	Sectional arrangement through steam & exhaust valve	D-49(pt2) Lentz oscillating	25/05/1928
12775	Cab	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 59	May-28
12778	Carrying wheel hornblocks	4-6-4 HP	May-28
12780	Valves, spindle bushes & covers	D49	May-28
12781	Arrangement of vacuum brake	Class O	02/06/1928
12782	Details of cams, Rotary Lentz valves	Class D-49 pt 2, rotary Lentz valves	05/05/1928
12786	Back covers for broken cylinders	J38, J39	Sep-35
12787	Valve motion table	4-6-4 H.P order 138	06/06/1928
12789	HP piston valve liner and spindle	4-6-4 HP	Oct-28
12789	Alteration to HP piston valve head	4-6-4 HP Cancelled - see 15355 May 1933	Jun-30
12790	Outside motion bars	Class D-49 pt2	07/06/1928
12791	Inside motion bars	Class D-49 pt2	07/06/1928
12795	Arrangement & details of mechanical lubricator	D49	Dec-28
12803	Wedges, spring guide & oil box for carrying wheel axlebox	4-6-4 HP	Jun-28
12807	LP piston valve, liner and spindle	4-6-4 HP	Oct-28
12824	Smokebox	H & B Class L LNER Class J28 YEC contract no 17	
12826	Liner for HP cylinders	4-6-4 HP	Jun-28
12826	Liner for HP cylinders	4-6-4 HP	Sep-30
12828	HP front piston valve cover	4-6-4 HP	Jul-28
12829	Frame stay 7 support for guide shoes for bolt on back end of front water drum	4-6-4 HP	02/07/1928
12830	"Kylala" blast pipe details		03/07/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12831	Chimney liner for "Kylala" blast pipe		03/07/1928
12832	Front corner stay between inner & main frames	4-6-4 HP	04/07/1928
12833	L.P. front piston valve cover	4-6-4 H.P. order No. 138	04/07/1928
12833	LP front piston valve cover	4-6-4 HP	Jul-28
12835	Large end bush & felt pads for connecting rods inside	4-6-2 GN	04/07/1928
12841	Arrangement of vacuum brake	4-6-2 GN	04/07/1928
12842	Stay between inner & main frames	4-6-4 H.P. order No. 138	07/07/1928
12844	Bracket for reversing shaft	Class D-49 pt2	09/07/1928
12847	Arrangement & details of anti-vacuum valve & distance piece for Class F superheated	Class F superheated	04/07/1928
12849	Coupling rod	D-49 part 1 1928	21/07/1928
12850	Coupling rod	4-6-4 HP	17/07/1928
12855	Cast steel drag box & frame stays	4-6-4 HP	23/07/1928
12859	Motion bars H.P.	4-6-4 HP	24/07/1928
12865	Axlebox guides	4-6-4 HP Order No. 138	01/08/1928
12866	"Joco" regulator details	Class K-3	01/08/1928
12867	Sketch of camshaft showing position of keyways	Class D-49 pt 2, rotary Lentz valves	13/04/1928
12869	Calculations for hammer blow, D-49 parts 1,2,3	Class D-49	2-8-1028
12870	Calculations for balance weights D-49 pt 1	Class D-49, first 6 engines	02/08/1928
12871	Calculations for hammer blow D-49 pt 1	Class D-49, first 6 engines	02/08/1928
12873	Leading driving wheels	4-6-4 H.P. order No. 138	07/08/1928
12874	Intermediate driving wheels	4-6-4 H.P. order No. 138	07/08/1928
12875	Trailing wheels	4-6-4 H.P. order No. 138	07/08/1928

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Drawing No.	Title	More Info	Date
12877	Proposed arrangement of 1000 H.P. diesel electric locomotive	4-6-2 GN	08/08/1928
12878	Arrangement of Bissel truck	4-6-2 GN	10/08/1928
12880	Arrangement of hand reversing gear	Class D-49 pt2	10/08/1928
12881	Arrangement of vacuum brake	Class U	13/08/1928
12882	Plating to be added to bunkers of "Clayton Rail Coaches"	Clayton Rail Coach	13/08/1928
12885	Bogie & Bissel truck wheels	4-6-4 H.P. order No. 138	16/08/1928
12890	Arrangement of vacuum brake	Class G	24/08/1928
12891	Arrangement of "Diamond" soot blower	Class D-49	24/08/1928
12892	Details of shafting for main drive & reversing gear	Class D-49 pt2	25/08/1928
12898	Cast steel saddle for smokebox	A2	Sep-28
12899	Clothing for outside steam pipes	Class D-49 pt (rotary)	04/09/1928
12900	Bissel truck main casting	4-6-4 HP	06/09/1928
12905	Outside frame stay (leading)	4-6-2 NE type A-2	12/09/1928
12909	Bearing springs & details	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 44	
12910	Arrangement of vacuum brake	Class W	17/09/1928
12911	Proposed position of holes in frames for lifting purposes	Class Z, Y, X, X/20, T-3, T-4, D, S-2, S-3, W	18/09/1928
12914	Arrangement for cylinder and valve box clothing	D49, C7(rotary)	Feb-29
12917	Front boiler support	4-6-4 H.P. order No. 138	25/09/1928
12926	Diagram showing out of gauge positions of parts of rolling stock	Standard	28/09/1928
12929	Superheater header S2 element	4-6-2 N.E. rebuild	03/10/1928
12931	Crosshead	Type J-72, Class E1	03/10/1928
12937	Details of "Bissel" truck	4-6-4 HP	05/10/1928

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Drawing No.	Title	More Info	Date
12939	Method of bolting eccentric rod to eccentric strap		08/10/1928
12941	Slide blocks (cast steel)	Class J-39	09/10/1928
12942	Lubricator union & pipe for steam chest		09/10/1928
12943	Fire pick & rake & coal shovel	Class D-49	09/10/1928
12945	Bogie central castings	4-6-4 HP	10/10/1928
12946	Smokebox arrangement for GN boiler	4-6-2 NE, type A-2	10/10/1928
12948	Guide for valve crosshead inside cylinder	D49	Oct-28
12951	Bucket & coal hammer	Standard	11/10/1928
12952	Piston valve & piston rings to be cut right hand at 45 <sup>o</sup>	Standard	11/10/1928
12953	Inside motion plate & lever bracket	Class D-49(3), one engine only	11/10/1928
12954	Bogie frame template	4-6-4 HP	12/10/1928
12956	Equal motion lever	Class D-49 pt3, oscillating Lentz valves	12/10/1928
12957	Two to one motion lever	Class D-49 pt3, oscillating Lentz valves	12/10/1928
12960	Combined rocking shaft & H.P. expansion link	4-6-4 HP	16/10/1928
12962	Adapter & drilling at back of 3-cylinders for release valves	D49, C7(rotary)	Oct-28
12963	Outside valve spindle crosshead	Class D-49 pt3, oscillating Lentz valves	17/10/1928
12964	Spring stops (bogie)	Class D-49 pt3, oscillating Lentz valves	17/10/1928
12966	Centre valve spindle crosshead	Class D-49 pt3, oscillating Lentz valves	19/10/1928
12968	Guide for valve crosshead (outside cylinder)	Class D-49 pt3, oscillating Lentz valves, one engine	20/10/1928
12968 (part copy)	Bronze liner for valve spindle guide, outside cylinders	D49	Aug-30
12971	Cast steel dragbox	4-6-2 N.E. rebuild, type A-2	23/10/1928
12972	Spring hanger baskets	4-6-4 HP	23/10/1928
12973	Lubricator connections for centre cylinder		



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
12980	Bogie bearing spring	4-6-4 HP, order No. 138	30/10/1928
12981	Alteration to coal gate on tender	Class C-1, engine No.4419(Booster)	30/10/1928
12982	Blast pipe & blower ring		30/10/1928
12983	Carrying wheel spring gear	A2	Nov-28
12984	Lubricator connections for inside cylinder valves	Class D-49 pt2, rotary Lentz valves	02/11/1928
12985	Arrangement of 4-6-2 N.E. with G.N. boiler	Class A-2	02/11/1928
12987	Proposed brass axle box	4-6-2 NE	02/11/1928
12988	Hornblocks, driving, intermediate and trailing	A2	Nov-28
12994	Spring suspension for worm drive gear & case	D-49 pt.2, rotary Lentz valves	08/11/1928
12995	Bogie details	4-6-4 HP	09/11/1928
12996	Smokebox arrangement	Class D-49 pt2	09/11/1928
12997	Valve gear sheet No.2	D-49 pt.3, oscillating Lentz valves	12/11/1928
13000	Leading driving axlebox	4-6-4 HP	12/11/1928
13001	Arrangement of No.9 class H injector & steam chest pressure gauge	Class D-49 pt2, rotary Lentz valves	14/11/1928
13002	Arrangement of No.9 class H injector & steam chest pressure gauge	Class D-49 pt1, 1928 builds	17/11/1928
13003	Arrangement of vacuum brake	Class B, N	14/11/1928
13004	Filling top extension, leading & driving sandboxes	Class K-3	15/11/1928
13007	Smokebox steam pipes	Class D-49 pt2	19/11/1928
13008	Distance piece	4-6-2 NE	20/11/1928
13010	Bissel truck radius bar & details	4-6-4 HP	20/11/1928
13011	Arrangement of lettering & numbers on tank & cab sides	4-6-2 NE	20/11/1928
13012	Arrangement & details of "Flaman" speed recorder	Class Z	22/11/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13013	Outside valve rod	D-49 pt.3, oscillating Lentz valves	22/11/1928
13014	Intermediate & trailing driving axleboxes	4-6-4 HP	24/11/1928
13016	Smokebox bottom plates	D-49 pt.2 rotary Lentz valves	26/11/1928
13018	Proposed alteration to crank pin	4-6-2 NE, Class A-2	27/11/1928
13028	Arrangement of vacuum exhaust & drain	Class D-49 pt1 1928, pt2	29/11/1928
13032	Details of engine draw gear	4-6-4 HP	30/11/1928
13033	Steam pipes & clips	4-6-4 HP, engine No. 2404 only	01/12/1928
13035	Metcalfe's patent vacuum ejector	NE Section standard	01/12/1928
13036	Arrangement & details for Wakefield's No 7 pattern S feed mechanical lubricator	D49	Jan-29
13039	Internal pipe arrangement	4-6-2 GN, Class A-1, A-3	04/12/1928
13042	Smokebox extension plate & joint	4-6-2 NE, Class A-2 fitted with G.N. boiler	06/12/1928
13043	Drainage of reversing chamber	D-49 pt.2. rotary Lentz valves	07/12/1928
13044	Reversing shaft	4-6-4 HP	10/12/1928
13045	Lubrication shields for piston rods	N.E. section standard	10/12/1928
13046	Spring stops for carrying wheels	4-6-4 HP	10/12/1928
13048	Valve motion	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 78 for eccentric rods see drawing 11096	
13049	Valve connecting rod and link	H & B Class L LNER Class J28 YEC contract no 55	
13051	Brackets for reversing shaft	4-6-4 HP	14/12/1928
13057	Drawing of wing footplate details	Class D-49 pt3, oscillating Lentz valves, one engine only	20/12/1928
13058	Arrangement & details of cylinder cock gear, fitted with 2:1 lever	Class D-49 pt3	23/01/1929
13059	Loading sandboxes	4-6-4 HP	31/12/1928

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13061	H.P. reversing shaft	4-6-4 HP	02/01/1929
13062	Spring gear for carrying wheel	4-6-4 HP	03/01/1929
13064	No.11 injector S.A. fig. 2. hot water pattern, Gresham & Craven Ltd	4-6-4 HP	04/01/1929
13071	L.P. expansion link	4-6-4 HP	08/01/1929
13074	Inside motion plate	4-6-2 GN, Glasgow builds	10/01/1929
13075	Centre valve rod	D-49 pt.3., oscillating Lentz valves	10/01/1929
13077-2	Spring	D49, K3	Mar-31
13076	Driving sand boxes	4-6-4 HP order No. 138	11/01/1929
13077-1	Spring	D49 Cancelled. Refer to drawing 13077-2	
13077	Spring, experimental	D-49 pt.1.	15/01/1929
13078	Blast pipe & blower ring for "Kyala" arrangement	Class D-49 pt3	16/01/1929
13079	Arrangement of "Kyala" blast pipe	Class D-49 pt3	16/01/1929
13080	Arrangement of Bogie	4-6-4 HP	16/01/1929
13081	Branch pipes for exhaust steam injector	4-6-2 NE, type A-2 fitted with G.N. boiler	19/01/1929
13082	Regulator valves - proposed	Class J-39, one engine only	19/01/1929
13083	Plough		19/01/1929
13084	Dust shields		19/01/1929
13085	Lubricator for axlebox tray	4-6-4 HP	21/01/1929
13087	Arrangement of pipes for Wakefield's mechanical lubricators	D49	Jan-29
13094	Details for fog signal apparatus for chain drive Sentinel steam coach	Sentinel Cammell	25/01/1929
13095	Arrangement for fog signal apparatus for chain drive Sentinel steam coach (chain drive)	Sentinel Cammell	25/01/1929
13098	Valve spindle crosshead	4-6-4 HP	26/01/1929

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Drawing No.	Title	More Info	Date
13099	Extension of crinoline detail drawing	4-6-2 NE, type A-2, one engine only No. 2404	28/01/1929
13100	Footplate details	4-6-4 HP, order No. 138	28/01/1929
13101	Fallplate on smokebox saddle casting	4-6-4 H.P., order No. 138	31/01/1929
13104	Details for cam & gear chamber lubricator & drainage	Class D-49 pt2	01/02/1929
13105	Motion arrangement	4-6-4 HP	01/02/1929
13106	Sand ejector	4-6-4 HP	05/02/1929
13107	Section of 18" & 15" dia. Westinghouse brake cylinder showing leather ring		05/02/1929
13108	Exhaust pipe and top - original boilers only	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 63; for extended smokebox see 10374, for superheated see 10200	Feb-29
13109	Arrangement of fog signal, "Clayton" steam rail coach	Clayton Coach	07/02/1929
13111	Details for fog signal for "Clayton" steam rail coach	Clayton Coach	08/02/1929
13112	Diagram showing relative positions of balance weights	4-6-4 HP	08/02/1929
13114	Piston and rod	K3	Nov-28
13115	Steel piston rod	Class K-3, 1929 builds	12/02/1929
13117	Bracket for reversing gear screw	Class K-3, 1929 builds	12/02/1929
13118	Bolts for Goodall's articulated drawbar	Class J-39, 1928 builds, 5 engines only	13/02/1929
13119	Bracket for steam reversing gear cylinders	4-6-4 HP, order No. 138	13/02/1929
13120	Ground gear for testing fog signal	For shed use only	14/02/1929
13123	Arrangement of vacuum brake	4-6-2 GN	18/02/1929
13126	Alteration to ACFI feed water heater	C7	Feb-29
13127	Steam cylinder for steam reversing gear	4-6-4 HP	19/02/1929

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13128	Oil cylinder	4-6-4 HP	19-2-1092
13129	Details for ashpan	Alteration of A-2 to G.N. boiler, No. 2404 only	19/02/1929
13130	Ashpan arrangement	Class A-2, fitted with G.N. box	19/02/1929
13131	Sections showing various positions of regulator valves (regulator drg No. 12561)	Class J-38, J-39	21/02/1929
13133	Eccentric rod with ball bearing	4-6-4 HP	22/02/1929
13134	Crank pins	4-6-4 HP	25/02/1929
13135	Details for fog signal for 6 cylinder Sentinel Cammell coach	Sentinel Cammell	25/02/1929
13136	Arrangement of fog signal for 6 cylinder Sentinel Cammell coach	Sentinel Cammell	25/02/1929
13137	Eccentric crank	4-6-4 HP	26/02/1929
13143	Spring gear for coupled wheels	4-6-4 HP	28/02/1929
13144	Details for conversion to integral type ACFI feed water heater	C7	Feb-29
13145	Gresham & Craven footstep injector, footstep	Ordering tracing, 2-6-0, 1929 builds	28/02/1929
13147	10" vertical brake cylinder	4-6-4 HP	04/03/1929
13148	Plates between frames	4-6-4 HP, order No. 138	04/03/1929
13149	Regulator valves	Class J-39	04/03/1929
13150	Calculations for balance weights	4-6-4 HP, order No. 138	07/03/1929
13151	Calculations for hammer blow	4-6-4 HP, order No. 138	07/03/1929
13153	Brake gear details	4-6-4 HP	11/03/1929
13155	Steam pipe elbow	4-6-4 HP	13/03/1929
13158	Arrangement of lubrication for Goodall's articulated draw gear on tenders	Class J-39 (3500)	14/03/1929
13161	Alteration to filling cap, Westinghouse donkey pump lubricators		15/03/1929
13162	Standard set bolts for securing side rod bushes	Standard	15/03/1929

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13168	Superheater header & anti vacuum valve, Hawthorne Leslie	Class A-5	21/03/1929
13171	Arrangement of rear sanding	Class D-49 pts 1, 2, 3	22/03/1929
13172	Alteration to corridor tender side plates & handrail to suit 4-6-4 engine cab	4-6-4 HP	23/03/1929
13173	Details for pyrometer, type A-2 fitted with A-1 boiler	Class A-2	23/03/1929
13175	Pressure release valves for cylinder	4-6-4 HP	25/03/1929
13179	Cab & splashers, fitted with GN boiler	Class A-2	03/04/1929
13180	Arrangement of centre bearings between engine and tender	NE & LNE standard	Apr-29
13181	1½" blow off cock	Class K-3/29	04/04/1929
13182	Splasher for bogie	4-6-4 HP	05/04/1929
13185-2	Flanged copper plates for boiler	B17	Feb-32
13185-1	Steel flanged plates for boiler	B17	Feb-32
13185	Boiler arrangement	Class B-17, 4-6-0, 3-cylinder, as built by N.B. Loco Coy. Ltd. For GE section	01/02/1929
13186	Boiler arrangement, plan & end view	04/06/2004	01/02/1929
13188-2	Ashpan and drop grate arrangement	B17/35	Jul-30
13188-1	Alteration to front portion of ashpan	B17	Jul-30
13188	Ashpan and drop grate arrangement	B17 Cancelled see drg same no dated July 1930	
13188	Ashpan and drop grate arrangement	B17 2 <sup>nd</sup> copy for record purposes only	Jul-30
13189	Firebox arrangement	Class B-17, 4-6-0, 3-cylinder, as built by N.B. Loco Coy. Ltd. for GE section	01/02/1929
13190	Firebox end view	" " " "	01/02/1929
13193-1	Hind drag box	B17	Jul-35
13196	Motion lever bracket & frame stay	" " " "	05/02/1929
13201	Coupled springs, leading, driving and trailing and spring gear details	B17	Apr-30

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13202	Axlebox guides, trailing	B17	
13204	Frame stretcher at ashpan and frame stay	B17 Cancelled see drawing 15887	
13206-1	Outline of frame	B17	Sep-29
13206	Frame arrangement (elevation)	B17	Nov-29
13206	Frame template	B17	Oct-29
13207	Frame plan	B17	Nov-29
13208	Bogie wheel	B17	May-30
13211	Tender wheel and axle	B17	
13212	Boiler clothing arrangement	B17	Nov-29
13217	Front cylinder cover	B17	
13218	Front steam chest cover	B17	
13219	Hind steam chest cover (inside cylinder)	B17	
13220-1	Hind steam chest cover (outside cylinder)	B17	Apr-32
13222	Valve spindle crosshead guide (inside cylinder)	" " " "	26/02/1929
13224	Steam pipe connection to outside cylinder	B17	
13225P	Motion bars for outside cylinders	" " " "	26/02/1929
13226	Slide bars inside motion	" " " "	26/02/1929
13227	Crosshead	" " " "	26/02/1929
13228	Motion arrangement elevation	" " " "	26/02/1929
13232	Eccentric crank	B17	
13234	Motion details	" " " "	28/02/1929
13236	Equal motion lever	" " " "	28/02/1929
13237	Large motion lever details	" " " "	28/02/1929
13238	Reversing shaft	" " " "	28/02/1929
13239	Reversing screw & details	" " " "	28/02/1929

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Drawing No.	Title	More Info	Date
13240	Reversing rod	B17	
13241	Reversing screw bracket	" " " "	28/02/1929
13242	Combined piston and rod	B17	
13243	Piston valve, spindle and liner	B17	Dec-29
13244	Reversing shaft lever & rod guide	" " " "	28/02/1929
13245	Inside connecting rod	" " " "	28/02/1929
13245	Connecting rod (inside)	B17	
13246	Outside connecting rod	" " " "	28/02/1929
13247	Coupling rod (leading & driving)	" " " "	28/02/1929
13248	Coupling rod (trailing)	" " " "	28/02/1929
13250	Driving, trailing and bogie axles	B17	
13251	Coupled axlebox	B17	
13256	Flue & boiler tubes, diagram showing order of expanding & heating tubes	" " " "	14/03/1929
13256	Flue & boiler tubes & diagram showing order of expanding & beading tubes	B17	Nov-32
13257	Smokebox tubeplate (tube holes to be 2 7/8" instead of 2 1/16" dia.	" " " "	20/03/1929
13258	Safety valve & steam cock stand seats	" " " "	20/03/1929
13260	Washout seatings & plugs	" " " "	20/03/1929
13261	Mud plug seating (front)	B17	
13266	Sling stays	" " " "	20/03/1929
13268	Horizontal transverse stays in firebox	" " " "	20/03/1929
13270	Seatings on firebox back	B17	
13273	Locking gear for reversing shaft	" " " "	20/03/1929
13274	Reversing shaft locking gear details	" " " "	20/03/1929
13275	Leading splasher	B17	
13276	Trailing splasher	B17	



Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
13277	Driving splasher	B17	
13280	Bogie frame stay & bogie centre	" " " "	20/03/1929
13285	Combination valve, pressure gauge, vacuum gauge & blower operating valve	B17	
13288	Piston rod metallic packing & valve spindle packing rings	" " " "	15/04/1929
13288	Piston rod metallic packing & valve spindle packing rings	B17	
13290	Bogie axlebox	" " " "	15/04/1929
13290	Bogie axlebox	B17	
13291	Cab front window	B17	
13292	Cab side windows	B17	
13293	Bogie control details & spring	" " " "	15/04/1929
13294	Ashpan door details	" " " "	16/04/1929
13298	Firedoor, firehole protector & deflector plate	B17	
13298	Deflector plate (locos with sliding fire doors)	B17	
13299	Firebar bearer carriers	B17	
13305	Drop grate shaft cover	B17	
13307	Tender axlebox	" " " "	16/04/1929
13308	Tender hornblocks	" " " "	16/04/1929
13310	Waste pick-up gear	" " " "	16/04/1929
13310 (part copy)	Water pick-up gear	B17	
13311	Sandbox and details	B17	May-29
13312	Air vent pipe elbows	B17	
13313	Drawbar and safety link washers	B17	
13314	Hand brake gear	" " " "	16/04/1929

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
13314	Cast steel bracket for hand brake & water pick-up gear	B17	Jul-29
13315	Axlebox keep (LD & T), oil tray (D & T) & coupled axlebox cover	B17	
13316	Bogie axlebox guides	B17	
13317	Cylinder cover casings	B17	
13319	Firebox back arrangement	B17 Engines with Westinghouse brake	Dec-29
13323	Steam valves	" " " "	17/04/1929
13324	Blow-off cock	B17	
13326	Oil tray for leading axlebox	B17	
13329	Bogie arrangement	B17	
13331	Exhaust steam injector carrier & bogie side control details	B17	
13333	Tender spring gear details	" " " "	17/04/1929
13334	Tank arrangement	B17	Nov-29
13335	Tank plan and end views	B17	Nov-29
13341	Anti-carbonisers & cylinder drain cocks	B17	
13342	Bogie frame stays and guard	B17	
13343	Longitudinal stay carrier and pipe clips	B17	Oct-29
13346	Whistle & muffled pop safety valve	" " " "	22/04/1929
13347	Whistle details	B17	Jul-29
13348	Grease separator, coal watering & lubrication warming cocks	B17	
13350	Steam pipe gland (inside cylinder)	B17	
13353	Cylinder cock brackets & levers etc	B17 Cancelled see drgs 15877 & 16230 Sept 1937	Apr-32
13354-1	Platform door details	B17	Aug-32
13356	Sandbox details	B17	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
13359	Cylinder cock, sanding sector & sandbox filler (hind)	B17	
13360-1	Bogie dust shields	B17	May-34
13362	Tender life guard & coal guard plate supports	B17	
13363-1	Tender springs	B17	
13364	Details of angles	B17	
13366	Feed water cock and strainer	B17	
13367	Water scoop gear details	B17	Apr-29
13368-1	Water scoop gear details	B17	Jun-32
13368	Water scoop gear details	B17	Nov-29
13369	Cab handrails, fire iron holders etc	B17	
13373	Mattresses for boiler, firebox & dome (Roberts Armley makers)	" " " "	23/04/1929
13374	Asbestos blocks for inside cylinder (Bell's Wadnit)	" " " "	23/04/1929
13375	Exhaust steam injector flanges	B17	Nov-34
13376-1	Oilbox carrier	B17	Apr-30
13376	Miscellaneous carriers	B17	
13381	Wood platform	B17	Mar-30
13384	Drivers seat	B17	
13385	Handrails, pillars and cupboard door details	B17	Nov-29
13389	Coupling and safety links and pins	B17	
13393	Vacuum brake details	B17	Jan-30
13394	Oilboxes	B17	
13395	Tank water gauges	" " " "	28/04/1929
13396	Lamp brackets and disc holder	B17	

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
13397	Intermediate tender buffer, spring and guide	B17	
13398	Safety chain	B17	
13399	Brake shaft, lever and bracket (tenders)	B17	
13400	Brake details	" " " "	28/04/1929
13405	Wakefield's mechanical lubricator 6 feed No.7 pattern	" " " "	29/06/1929
13407	Ejector bracket	B17	Sep-29
13408	Regulator head and shaft bracket	B17	
13410	No 10 injector	B17	
13411	Carriage warming details	B17	
13413	Pipe connections and pipe clips etc	B17	
13414	Pipe couplings etc	B17	Nov-29
13416	Pipe couplings etc	B17	
13423	Regulator elbow pipe details	" " " "	09/07/1929
13424	Equilibrium regulator stuffing box	" " " "	09/07/1929
13425	Regulator rod, handle & shaft	" " " "	09/07/1929
13426	Live steam injector details	" " " "	09/07/1929
13427	Gauge carriers	" " " "	09/07/1929
13428	Pipe clips (mechanical lubricator, axleboxes etc.)	" " " "	09/07/1929
13432	Carriers for feed connection, prop valve, & drivers brake valve	" " " "	09/07/1929
13435	Tee pieces for Westinghouse brake pipes	" " " "	09/07/1929
13440	Dome & cover (flanged 1" thick)	" " " "	19/08/1929
13443	Studs for boiler	" " " "	17/09/1929
13444	13" dia x 6¼" stroke Westinghouse brake cylinder side flange (adapted for steam "Adamite" ring instead of leather)	" " " "	30/10/1929

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13447	Brake details	" " " "	30/10/1929
13448	7" steam brake cylinder for engine & tender	" " " "	04/11/1929
13451	Arrangement of smokebox	4-6-4 HP	08/04/1929
13452	L.P. valve gear sheet 1	4-6-4 HP	08/04/1929
13463-10	Brake release spring details	K3	Nov-28
13463-9	Pins for brake gear	K3	Nov-28
13463-8	Brake equalising levers and links	K3	Nov-28
13463-7	Brake pull rods	K3	Nov-28
13457	Expansion & sling stays	Class K-3/29	09/04/1929
13457A	Manifold pipe for steam valves	4-6-4 HP	09/04/1929
13463-6	Brake adjustable pull rod and piston rod	K3	Sep-28
13458	Adapters for connecting & coupling rods (G.N. drg No. S-211 thickness increased to 5/8")	Group standard	10/04/1929
13463-5	Brake hanger bracket and pin	K3	Sep-28
13459	Slide for cab window	Class A-6	10/04/1929
13463-4	Brake cross stays	K3	Nov-28
13460	Patent "Diamond" tube cleaner, supplied by J. Corrie & Co. Ltd.	Class K-3, 1929 builds	12/04/1929
13463-3	Brake levers	K3	Sep-28
13461	L.P. valve gear sheet 2	4-6-4 HP	12/04/1929
13463-2	Brake shaft bracket	K3	Sep-28
13462	High pressure valve spindle packing	4-6-4 HP loco British Metallics Packing Ltd	Dec-32
13463-1	Brake shaft	K3	Sep-28
13463	Steam Brake arrangement & gear	Class K-3, 1929 builds	15/04/1929
13464	Bracket for mechanical lubricator	4-6-4 HP	15/04/1929
13465	Weights to balance crank shaft	4-6-4 HP	16/04/1929

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13466	Arrangement of modified valve gear	K3	May-28
13467	Eccentric rod with ball bearings, modified valve gear	Class K-3, 1929 builds	16/04/1929
13468	Piston valve	K3 With narrow rings and 1 $\frac{5}{8}$ " lap	May-28
13469-1	Valve liner for narrow ring valve with 1 $\frac{5}{8}$ " lap	K3	Sep-30
13470	Details of modified valve gear, sheet 1	Class K-3/29	16/04/1929
13471	Details for modified valve gear, sheet 2	Class K-3/29	16/04/1929
13474	Horn clip	D49	Jun-31
13478	Details of sanding gear: leading coupled wheels	K3	Dec-28
13479	Arrangement of sand gear	K3	Feb-29
13480	Filler etc for leading sandboxes	K3	Mar-30
13483	Connecting rod (outs) with floating bush	K3	Jan-29
13484	H.P. valve gear, sheet 1	4-6-4 HP	23/04/1929
13485	Wakefield's mechanical lubricator 8 feed	4-6-4 HP	24/04/1929
13486	H.P. valve gear sheet 2	4-6-4 HP	25/04/1929
13489	Lubricator steam check valve back steam chest cover inside cylinder	A3, K3	Apr-28
13490	Front windows for cab	K3	Nov-28
13491	Lubricators and inspection doors front end	K3	Mar-29
13493	Front windows for cab	4-6-4 HP, order No. 138	27/04/1929
13494	Handrails & pillars	Class A-2	27/04/1929
13495	Arrangement & details of "Mason" reducing valve for steam heating	Class A-5	29/04/1929
13496	Injector clack and pad	One A1, one A3 Engines fitted with ACFI feed water heater	Apr-29
13497	Rear sandbox	Class D-49	29/04/1929
13498	Whistle and steam valves	K3	Jan-29

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13499	Whistle gear	K3	Nov-28
13500	Arrangement of whistle gear, steam valves & diamond soot blower	K3	May-29
13501	Details of reversing gear	Class K-3/29	30/04/1929
13502	Arrangement of ACFI feed water heater	one A1, one A3	May-29
13502	Additional unions for ACFI mechanical lubricator pipes	one A1 (loco 2576))	Nov-29
13503	3'2" diameter wheel & axle for bogie & pony truck	K3, A3	Dec-27
13508	Protection plates for Bissel truck	4-6-4 HP	01/05/1929
13509	Blast pipe & blower ring	4-6-4 HP, order No.138	02/05/1929
13510	Smokebox arrangement	one A1, one A3 Fitted with ACFI feed water heater	May-29
13511	Ejector steam cock (small flange)	New standard	03/05/1929
13512	Pad for ejector steam cock (small flange)	New standard	03/05/1929
13513	Pads for smokebox	one A1, one A3 Locos fitted with ACFI feed water heater	May-29
13516	Water gauge for tank & tender engines (Webb type perforated tube)	Standard	07/05/1929
13518	Cast iron cover for steam pipe	4-6-4 H.P. order No. 138	08/05/1929
13519	Connections for sanders & pipes to cabs for fog signal apparatus	Sentinel & Clayton coaches	09/05/1929
13520-1	Frame plate	K3 LH drive	Mar-29
13520	Frame plate	K3 LH drive	Mar-29
13521	Frame arrangement	Class K-3/29	09/05/1929
13521	Frame layout	K3 LH drive	Jul-29
13522	Modifications to ACFI feed water heater	one A1, one A3	May-29
13523	Modification to oil drain and overflow valves	one A1, one A3	May-29
13524	Stand for ACFI feed pump	one A1, one A3	May-29

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13525	Bracket for suction vessel	one A1, one A3 ACFI feed water heater	May-29
13526	Lenticular rings and pipe details	one A1, one A3 ACFI feed water heater	Jun-29
13527	Cover for heater	one A1, one A3	May-29
13529	Articulated draw bar & coupling	Class J-39, 5 engines only	10/05/1929
13534	Wood platform between engine and tender	A2, with A1 boiler Engine 2404	May-29
13539	Boiler	Class K-3/29	15/05/1929
13540	Firebox	K3	Jun-29
13541	Alteration to steam chest grand cover	K3	Jun-21
13542	Injector arrangement	K3 Conversion to LH drive	Feb-29
13543	Injector details	K3 Conversion to LH drive	Jan-29
13545	Injector flanges	Class K-3/29	21/05/1929
13545	Injector flanges	K3 Conversion to LH drive	Jan-29
13550	Reversing tube expansion joint	Class D-49 pt2	25/05/1929
13551	Draw bar plates	K3 Also Doncaster classes, N2, J50 and V1	Jan-28
13552	Smokebox bottom plates, A-2 fitted with GN boiler, engine No. 2404	Class A-2	28/05/1929
13553	Stop valve for ACFI regulator	one A1, one A3	May-29
13555	Arrangement of exhaust injector (A-2 fitted with G.N. boiler)	Class A-2	29/05/1929
13556	Standard engine lamp irons	K3 Other LNER classes	May-28
13558	Tube for diamond soot blower	K3	
13560	Arrangement of blower pipe in smokebox	Class D-49	31/05/1929
13561	Footsteps, (A-2 fitted with GN boiler, engine No. 2404)	Class A-2	31/05/1929
13565	Cylinder lubrication and details	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 75	
13570	Miscellaneous details	one A1, one A3 Locos fitted with ACFI feed water heater	Jun-29



**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13573	Modified blast pipe and top	K3	May-29
13575	Internal pipes	Class K-3/29	10/06/1929
13577-2	Drop grate details	K3 Additions & alterations to locos passing through shops for repairs	May-30
13577-1	Drop grate details	K3	Apr-30
13577 part copy	Firebar carrier	K3 Also includes part copy 10615-1 & 12233	Oct-29
13579	Frame stays	K3	Jun-29
13580	Exhaust injector details (A-2 fitted with G.N. boiler, engine No. 2404)	Class A-2	23/06/1929
13581-1	Ashpan arrangement	K3 Alterations to locos passing through shops for repairs	Apr-30
13584	Wakefield's mechanical lubricator, No7A, one gallon, 6 feed	4-6-4 HP	18/06/1929
13585	Arrangement & details of cylinder water cock gear	4-6-4 HP	18/06/1929
13586	Arrangement & details of ejector	Class K-3/29	19/06/1929
13589	Fall plate (A-2 fitted with GN boiler)	Class A-2	20/06/1929
13591	Steam valves	4-6-4 HP	22/06/1929
13593	Lagging cover for Expansion angle iron	Class K-3/29	24/06/1929
13595-2	Drop grate arrangement	K3 Addition and alterations to locos passing through shops for repairs	May-30
13594	Cover plate for hand holes	K3	Jun-29
13595-1	Drop grate arrangement	K3	Apr-30
13598	Joint between smokebox door & ring	Group standard	25/06/1929
13600	Alterations to cylinder cock details (A-2 fitted with GN boiler, engine No. 2404)	Class A-2	27/06/1929
13603	Modification to engine & tender beams (A-2 fitted with A-1 boiler, Engine 2404)	Class A-2	25/06/1929
13605	Clayton steam rail cars - proposed alteration to sanding gear	Clayton Coach	01/07/1929

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13609	Tray & shade for firedoor	4-6-4 HP	02/07/1929
13610	Details for steam reversing gear W.P.	4-6-4 HP	03/07/1929
13611	Superheater header	Class B-15, Q-6	04/07/1929
13613	Bracket for driver's brake valve (A-2 fitted with A-1 boiler)	Class A-2	05/07/1929
13614	Clayton steam rail cars, proposed covers for bunkers	Clayton Cars	08/07/1929
13615	Sketch shewing position of standard headlamp with relation to chimney	Class J-39	10/07/1929
13616	Details for steam reversing gear L.P.	4-6-4 HP	10/07/1929
13617	Pipe & cover for lubrication of centre bearing between engine & tender	Class B-16	10/07/1929
13621	Arrangement & details of regulator gear	Class K-3/29	13/07/1929
13624	Arrangement and details of axlebox lubrication	J39 Superseded by drawing 14868 Oct 1937	Jul-29
13625	Cylinder water cock gear (Arranged solid to cross shaft)	Class J-39	18/07/1929
13626	Mechanical lubricator arrangement	4-6-4 HP	18/07/1929
13627	Mechanical lubricator details	4-6-4 HP	18/07/1929
13628	Sketch showing alteration to backplate to fit combination injector	One class A boiler, one class 59 boiler	18/07/1929
13629-1	Hornblocks and clip	D49	Jun-31
13629	Hornblock and clip	D49	Jul-29
13631	Arrangement of cut-off indicator & telemotors for operating steam reversing gear cylinders & cylinder cocks	4-6-4 HP, order No. 138	26/07/1929
13632	Arrangement of pads for type F-88 & J-22 boilers fitted with combination injectors		26/07/1929
13634	Position of telemotors near reversing cylinders	4-6-4 HP	29/07/1929

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Drawing No.	Title	More Info	Date
13636	Retaining ring for HP piston rod packing	4-6-4 HP	Jul-29
13641	Foundation ring	Class C-7 fitted with booster	09/08/1929
13642	Arrangement of footstep injector & vacuum ejector pipe	Class J(HB), D-24	09/08/1929
13644	Model of Walschaert valve gear with inside admissions		10/08/1929
13645	Fall plate, pipe and cover for lubrication of centre bearing between engine and tender	K3	Aug-29
13646	Whistle & details	4-6-4 HP	13/08/1929
13648	Chimney chart	Group engines	13/08/1929
13648	Chimney chart		
13653	Chimney	4-6-4 HP	17/08/1929
13655	Pipe & rod arrangement	4-6-4 HP	17/08/1929
13656	Details for model Of Walschaert valve gear with inside admissions		19/08/1929
13661	Studs for boiler	Class J-72	20/08/1929
13663	Elbow pipe & details for Joco regulator (cowhorn handle)	Class K-3 (17 only)	27/08/1929
13664	Oil pipe guide for trailing axleboxes	D49	Aug-29
13665	Proposed sounder (vacuum brake fog apparatus)		28/08/1929
13666	Studs for boiler	Class B-15, Q-6	30/08/1929
13668	Trailing axlebox oil pipe guide	Class S-3	31/08/1929
13669	Elbow pipe & details for balanced single beat regulator valve N.B. loco patent	Class B-17, J-39	02/09/1929
13671	Driving axlebox for booster bogie		04/09/1929
13672	T-pieces for mechanical lubricator & anti carboniser	4-6-4 HP	04/09/1929
13674	Boiler	Class G-5	06/09/1929

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13675	Boiler	Class H-1	06/09/1929
13678	Details of reversing gear	Class K-3/29	09/09/1929
13681	Arrangement of regulator valve (N.B. single ported type)	Class H-1, G-5	09/09/1929
13682	Elbow pipe & details for balanced single beat regulator valve, NB Loco Coy's. patent type.	Class K-3	01/09/1929
13684	Whistle, steam reversing, blower & donkey valve seatings	Class H-1	11/09/1929
13685	Boiler details	Class H-1	11/09/1929
13686	Expansion & sling stays	Class H-1	11/09/1929
13687	Foundation ring	Class H-1	11/09/1929
13688	Bracket & stiffening plate for vacuum ejector	Class X-3	11/09/1929
13689	Tubeplates (arrangement of smokebox & firebox tubes)	Class H-1	11/09/1929
13690	Insulator for fuse bars, 1500 volts	Electric	12/09/1929
13691	Regulator handle	Class G-5	12/09/1929
13692	Arrangement of internal pipes	Class G-5	12/09/1929
13693	Header, Robinson's 18 elements, Class D	Class H-1	12/09/1929
13695	Oiler pad, No.30 for tender axlebox	3500 & 4200 gallons tenders	13/09/1929
13697	Bracket for telemotor receiver, L.P. reversing gear	4-6-4 HP	14/09/1929
13703	Levers for receivers (Supplied by Mactaggert Scott & Co.)	4-6-4 HP	16/09/1929
13704	T-pieces for steam sanding gear	4-6-4 HP	17/09/1929
13705	Bracket for telemotor receiver, H.P. reversing gear	4-6-4 Hp	17/09/1929
13706	Steam chest pressure gauge, cocks & unions	4-6-4 HP	18/09/1929

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Drawing No.	Title	More Info	Date
13708	Bracket for telemotor receiver, cylinder water cock gear	4-6-4 HP	21/09/1929
13709	Boiler class D-22 fitted to No.903 engine Class J-21 (Transfer boiler from class D-22 803)	Class J-21	23/09/1929
13710	Boiler details	Class G-5	23/09/1929
13711	Footplate steps	4-6-4 HP	24/09/1929
13712	Steadying stay	Class H-1	24/09/1929
13714	Feed water connections for H.P. & L.P. Injectors	4-6-4 HP	24/09/1929
13715	Arrangement of tubes	Class G-5	25/09/1929
13717	Handrail pillar brackets & tank brackets	Class G-5	27/09/1929
13718	Arrangement of vacuum brake	Class X-2, engine No.957	27/09/1929
13721	Cast steel slide blocks & gudgeon pin	Class D-17, D-18, D-20, D-21, D-22, Q-5, C-8, T-1, A-6, A-7, F-8	03/10/1929
13723	Studs for boiler	K3	Oct-29
13728	Injector gear details H.P. & L.P.	4-6-4 HP	08/10/1929
13731	Details for regulator valves	Class J-38, J-39, D-49 pt1, D-49 pt3	08/10/1929
13732	Clothing arrangement to boiler drg No. 13675	Class H-1/29	09/10/1929
13733	Crinoline for clothing to boiler drg No. 13675	Class H-1/29	09/10/1929
13735	Reservoir & non-return valve for reversing gear locking clutch	Class K-3/29	10/10/1929
13738	Cylinder drain cocks	4-6-4 HP	11/10/1929
13740	Cylinder	4-6-2 GN	14/10/1929
13742	Relative position of engine & N.B. load gauge & distribution of weights	4-6-4 HP	14/10/1929
13744	Clips for internal pipes in boiler	Class H-1/29	16/10/1929
13745	Details of clothing (to boiler drg No. 13675)	Class H-1/29	18/10/1929

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13746	Driver's seat	4-6-4 HP	18/10/1929
13749	Clothing arrangement & details	Class G-5	18/10/1929
13750	Sections of tyres (thick & thin flange)		21/10/1929
13751	Arrangement & details of sand gear	Class J-24	23/09/1929
13752	Bracket for steam reversing cylinders & steam brake cylinder	Class C-7 fitted with booster	24/09/1929
13753	Relative position of wheel & rail when on straight (thick flange)		25/10/1929
13754	Relative position of wheel & rail when on straight (thin flange)		25/10/1929
13755	Relative position of wheel & rail when on straight (thick flange & with wheel in contact)		25/10/1929
13757	Clips for internal pipes in boiler	Class G-5	25/10/1929
13758	"Turplat Noweld" forged steel self containing buffer	Proposed standard	26/10/1929
13759	Motion plate	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 38; also marked for J75	Oct-29
13760	Sketch showing flexible hose connections between engine and tender	K3 (engine 1368)	Oct-29
13761	Bracket for motion bar oil boxes	4-6-4 HP	30/10/1929
13762	Wood platform, fall plate & door between engine & tender	4-6-4 HP	31/10/1929
13767	Detail of cab roof showing A.I. cut at lifting door	4-6-4 HP, order No. 138	07/11/1929
13768	Cover for hole in tender lop plate		07/11/1929
13769	Arrangement of footboard, intermediate fall plate removed, engines with raised footboard	Class B-16	08/11/1929

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Drawing No.	Title	More Info	Date
13770	Support for gauges & telemotor replenishing tank	4-6-4 HP	09/11/1929
13774	Levers & brackets for regulator controls	4-6-4 HP order	12/11/1929
13775	General arrangement, 13" brake cylinder, type V, S		12/11/1929
13776	Modification of anchor bracket for mechanical lubricator	Class A-2	14/11/1929
13778	Nameplate	4-6-4 HP	18/11/1929
13779	Seatings on firebox back	Class G-5/29	18/11/1929
13781	West. gauges, hand release valves, auxiliary & equalising reservoirs	Class B-17	13/11/1929
13784	Toolbox & alteration to front plate of tender tank (Stratford drg No. 29092)	Class B-17	09/12/1929
13785	Arrangement of locking gear for reversing shaft	Class B-17	Feb-30
13786	Driving axlebox guides	B17	Feb-30
13789	Live steam injector pipe elbows & details	Class B-17	12/03/1930
13791	Pipe carriers & clips, steam brake tenders (Stratford drg No. 28985E)	Class B-17	12/03/1930
13794	Firebox back arrangement, engine with steam brake	Class B-17	12/03/1930
13797	Detail of brake hanger J-39. Three engines, Scottish area, T11 pattern brake block	Class J-39	16/06/1930
13799	Expansion bracket & clip	Class G-5/29	20/06/1930
13800	Fog signal arrangement & details	4-6-4 HP	20/06/1930
13801	Detail of plough. J-39, three engines , Scottish area	Class J-39	21/06/1930
13802	Copper pipes in boiler	Class H-1/29	21/06/1930
13803	Arrangement & details of sand gear, leading & trailing	Class J-21	21/06/1930

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Drawing No.	Title	More Info	Date
13805	Arrangement of sight feed lubricator, Dewrances type	Class G-5	23/11/1929
13806	Arrangement & detail for spring gear for radial tank engine A-6	Class A-6	25/11/1929
13812	Splasher for leading driving wheels	4-6-4 HP	02/12/1929
13814	Name plate for manifold	4-6-4 HP	14-12-1229
13815	Access doors in casing	4-6-4 HP	05/12/1929
13816	Arrangement & details of loco whistle for Sentinel steam rail coach	Sentinel Rail Coach	05/12/1929
13817	Cast iron piston and rod (taper 1 in 3)	Class D-49	05/12/1929
13818	Boiler drain valve	4-6-4 HP	06/12/1929
13826	Group standard firebars		Sep-30
13827	Ashpan drencher pipe clip	K3	Nov-29
13828	Alteration to position of flexible hose between engine and tender	K3	Dec-29
13830	Arrangement and details of lamp iron as fitted to J-39 smokebox door	Class J-39	11/12/1929
13831	Boiler details	Class J-23 pt3, D-24, J-28 pt1, J-28 pt2	11/12/1929
13832	Cover for axle box	Class A-2	13/11/1929
13833	Alteration to injector valves (Brighouses)	4-6-4 HP	14/12/1929
13835	Arrangement of footstep injector and vacuum ejector pipes, B(HB)/26	Class J-23 pt3	17/12/1929
13838	Expansion link and reversing shaft carrier	H & B Class L LNER Class J28 YEC contract no 56	
13839	Motion details	H & B Class L LNER Class J28 YEC contract no 57	
13841	Relative position of deflector and protection plate	K3	Dec-29
13844	Arrangement and details of handrails and pillars	5000 galls corridor tender	30/12/1929



Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
13848-1	Alteration to front buffer beam	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 37 – an alteration	Jul-30
13863	Proposed arrangement of booster tender		08/01/1930
13866	Firebox details (See drawing 16122D 21 May 1935)	4-6-4 HP	09/01/1930
13867-1	Pipe and rod arrangement elevation and plan	K3/30	Feb-30
13867	Pipe and rod arrangement elevation and plan	K3/29	Feb-30
13868	Pipe and rod arrangement (end view)	Class K-3/29	09/01/1930
13868	Pipe and rod arrangement end view	K3/29	Jan-30
13870	Arrangement of brake piping to release valves at control column	Sentinel Cars	10/01/1930
13873	Cab and tanks	Class F-2(HB), N-12	13/01/1930
13875	Blast pipe	4-6-4 HP	15/01/1930
13876	Details of axlebox and cylinder lubrication	K3	Jan-30
13877	Drop grate firebars	Class D-49, engine No. 336	17/01/1930
13884	Misc details (auxiliary steam to injector, train pipe union etc)	Class K-3/29	23/01/1930
13887	Arrangement of vacuum and drain	0-6-0	25/01/1930
13889	Arrangement of turbogenerator and lighting	4-6-4 HP	28/01/1930
13891	Back piston valve cover	4-6-4 HP	28/01/1930
13895	Arrangement of feed water cocks for type C6 tender	Class C-6	03/02/1930
13896	H.P. cylinder clothing	4-6-4 HP	02/02/1930
13897	Brake details	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 44	
13898	Brake rods	Hull & Barnsley G3 class LNER J75	

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13898	Brake rods	Kitson contract drawing No 45	
13899	Brake srew bracket	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 46	
13901	Arrangement of electric lighting for tender	4-6-4 Hp	05/02/1930
13904	Slide bars and blocks	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 62	
13907	Cylinder cock gear	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 60	
13908	Frame arrangement	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 33	
13909	Buffer beams and cross stays	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 34	
13913	Fall plate	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No	
13914	Ploughs	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No37	
13915	Wood platform	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 38	
13916	Springs and details	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 40	
13917	Leading sandbox and splasher	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 52	
13918	Leading sandbox details	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 53	
13919	Trailing sandbox and details	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 54	
13922	Tank details	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 72	

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13925-2	Pipe and rod arrangement – end view	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 5	
13925-1	Pipe and rod arrangement – plan	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 4	
13925	Pipe and rod arrangement – elevation	Hull & Barnsley G3 class LNER J75 Kitson contract drawing No 3	
13926	Air deflector in ashpan	4-6-4 HP	17/02/1930
13937	Steam sanding unions (NE section)	Standard	19/02/1930
13939	Method of forming copper stays heads as applied at Darlington (Works drg No. 594)		22/02/1930
13942	Engine and tender drag casings with "Goodalls" Articulated Drawbar	Class D-49	25/02/1930
13945-1	IR hose for vacuum brake train pipe couplings	K3	Jun-30
13945	Arrangement and details of train pipe for vacuum brake	K3 Left hand drive locos	Feb-30
13946	Sketch showing proposed alteration to vacuum ejector steam pipe and reducing valve	Sentinel Rail Coaches	27/02/1930
13947	Driving axle for booster bogie	Class C-7 with booster	28/02/1930
13948	Arrangement of fog signal on gear driven Sentinel Car 2 cylinder Integrity only (2135)		28/02/1930
13949	Side screen for cab	4-6-4HP	03/03/1930
13956	Blast pipe and blower ring	4-6-4 Hp	06/03/1930
13957	Chimney	4-6-4 HP	06/03/1930
13958	Alteration to stay on tender between middle and trailing wheels (reconditioned war department engines)	Class O-4	07/03/1930
13961	Arrangement of whistle and gear	K3	Mar-30

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
13973	Methods of keying wheels on axles	Class A-1, A-2, C-7, C-6	12/03/1930
13975	Ball syphon lubricator	K3	Mar-30
13976	Frame stay	Class C-7 with booster	15-31930
13978	Channels and beams (ordinary sections)	Class C-7 with booster	20/03/1930
13979	Studs and misc details	For contract purposes only	20/03/1930
13995	Number plates painting	Class B-17	11/06/1930
13995	Footplate support	Class C-7 with booster	15/09/1930
14004	Booster bogie centre castings	Class c-7 with booster	26/03/1930
14007	Arrangement of train heating pipe	Class D-20	01/04/1930
14008	Wheel for booster and tender bogies	Class C-7 with booster	01/04/1930
14009	Standard shovels		Apr-24
14010	Standard spanners		Apr-24
14011	Standard oil bottles		Jul-24
14012	Fog signal case, hand brush and padlock		Jul-24
14013	Oilcans and feeder		Jun-19
14014	Standard hammers etc		Apr-24
14015	Firing irons		Apr-24
14016	Bucket, oilcan and torch lamp		Jun-24
14017	General arrangement	4-6-4 HP, engine no 10000	02/04/1930
14018	General arrangement (section)	4-6-4 HP, engine no 10000	02/04/1930
14020	Axlebox oilers to tender form No 73	Cancelled. See revised chart Feb 1958 - dilapidated copy in roll dated Jan 1931.	Aug-52
14020	Axlebox oilers schedule No 73		Feb-58
14021-1	Collapsible seat	K3, C9, C7, A6, A8, B16, 02, V3, L1 For future builds and renewals see drawing C-361 21 May 1946	Dec-32

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Drawing No.	Title	More Info	Date
14020 sheet 2	Axlebox oilers schedule No 73		Feb-58
14020 sheet 2	Axlebox oilers to tender form No 73	Cancelled. See revised chart Feb 1958.	Sep-34
14022	Front cylinder cover	Class D-49, one engine only (engine no 327)	09/04/1930
14020 sheet 3	Axlebox oilers schedule No 73		Feb-58
14024	Steam heating details	Class K-3, B-17	09/04/1930
14025	Arrangement of drop grate	Class D-49, proposed alteration	14/04/1930
14026	Tender bogie centre castings	Class C-7 with booster	15/02/1930
14027	Engine No 10000 (3/16" scale outline)	4-6-4 HP	15/04/1930
14029	Arrangement of drop grate	Class B-17 proposed alteration	16/04/1930
14031	Arrangement of drop grate	Class J-38 proposed alteration	16/04/1930
14036	Feed water cock and details	4200 gallons, 3500 gallons Group standard tender	26/04/1930
14038	Water gauge lamp iron	K3	Mar-30
14039	Arrangement of train heating pipe	Class D-17 pt1 & pt2	30/04/1930
14045	Tender tank	Type C7 with booster	07/05/1930
14046	Tank bottom plates and understructure (tender)	C7 Booster tender	May-30
14046	Tank bottom plates and understructure (tender)	C9 Cancelled see new tracing same no Dec 1932	Jun-30
14046	Tank bottom plates and understructure (tender)	C9	Dec-32
14047	Booster bogie control details	Type C7 with booster	08/05/1930
14048	Axle for booster and tender bogies	Type C7 with booster	09/05/1930
14052	Arrangement of vacuum chamber pipe and release valve	Clayton rail coaches	12/05/1930
14053	Regulator handle	Also A-7/30, C-7/30, J-23 pt3/30, B-15/30, Q-6/30, H-1/30	14/05/1930

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14055	Arrangement of steam brake, vacuum and train heating pipes	Group standard tender (K-3), 4200 gallons	19/05/1930
14058	Arrangement of feed water cocks, tenders fitted with steam brake	4200 gallons group standard tender	20/05/1930
14059	Smokebox ring	Class C-7 with booster	20/05/1930
14062	Operating nut for drop grate	J38, J39, D49, B17	26/05/1930
14063	Hornblocks	Type C7 with booster	27/05/1930
14065	Arrangement of back drag & buffer supports (tender)	C9	Jul-30
14067	C1 protector for firehole	Standard for one flanged firehole	28/05/1930
14069	Pipe clips and hangers	Group standard tender	28/05/1930
14073	Unions (bronze), engines fitted with steam brake	Standard	05/06/1930
14076	No 8 footstep type injector L.H.	Class J-71, J-72	10/06/1930
14082	Arrangement of cab side screens	A2,B16,C7,K3	Jun-30
14083	Cab side screens and detail	A2,B16,C7,K3	Jun-30
14084	Drop grate details	Class J-39/30 (4 engines passing thro the shop)	23/06/1930
14085	Sandbox lid, eyebolts and chain	K3	Jun-30
14087	Arrangement of connections between engine & tender	K3	Jun-30
14088	Weights to balance P-3 (J-27) driving wheels (Reciprocating masses balanced part coupling rod)	Class J-27	26/06/1930
14091	Flexible coupling for steam brake, between engine and tender		28/06/1930
14092	Riveting for firehole	Class J-39/30, D-49 pt1/30	30/06/1930
14095	Arrangement of ashpan	Class J-39/30	30/06/1930
14096	Ashpan details	Class J-39/30	30/06/1930
14097	Drop grate details	Class B-17	30/06/1930

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14101	Check valve for thermometer return pipe	A1, A3 Engine 2576, engine 2580	Jul-30
14102	Proposed arrangement showing Sentinel boiler for Clayton rail coach	Sentinel rail cars	08/07/1930
14104	Cover for drop grate bracket	Class B-17	09/07/1930
14105	Screw coupling	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 47 now recorded as D-24 class	Jul-30
14106	Drawhook	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 46 now recorded as D-24 class	Jul-30
14107	Coal stacking details	4-6-4 HP	10/07/1930
14108	Mud hole doors	4-6-4 HP	11/07/1930
14109	Arrangement of train heating pipes	Class D-21	11/07/1930
14110	Firedoor & details	4-6-4 HP	11/07/1930
14111	Three way cock & carrier for steam brake	Class B-17/29, B-17/30	14/07/1930
14116	Reversing shaft	Class J-72/30	17/07/1930
14118	Relative positions of outside cylinders & front buffer beam on engine No. 1000 to a 6 chain curved L.M.S load gauge		18/07/1930
14120	Arrangement of connections between engine & tender (steam brake)	Class B-17/29, B-17/30	21/07/1930
14121	Ashpan	Class C-7 fitted with booster	21/07/1930
14124	Unions & clip for steam brake coupling between engine & tender	Class B-17/29, B-17/30	27/07/1930
14128-1	Tender frame arrangement	Hull & Barnsley Class B LNER J23 Kitson Contract drawing No 82	Jul-30
14130	Drop grate	Class C-7 with booster	26/07/1939
14131	Mechanical lubricator	Class B-16 (altered 1930)	29/07/1930

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Drawing No.	Title	More Info	Date
14134	Class D-22 boiler fitted to class J-25 engine	Class J-25	11/08/1930
14135	Details of beading on manhole	4200 gallons tender	11/08/1930
14136	Arrangement of ashpan	Class D-49	11/08/1930
14137	Ashpan details	Class D-49	11/08/1930
14141	Steel castings for drag (tender)	Class C-7 with booster	13/08/1930
14142	Drop grate & ashpan details	Class C-7 with booster	13/08/1930
14143	Axlebox for booster & tender bogies	Class C-7 with booster	15/08/1930
14148	Booster bogie frame Template & end stay	Class C-7 with booster	20/08/1930
14154	Booster steam branch pipe inside smokebox R.H. side	Class C-7 with booster	27/08/1930
14155	Booster steam branch pipe outside smokebox R.H. side	Class C-7 with booster	18/08/1930
14156	Drop grate arrangement, RH drive	Class K-3	27/08/1930
14157	Union for washout hose on blow-off cock	Engine No. 10,000	27/08/1930
14158	Water scoop tank casting	Class C-7	28/08/1930
14161	Automatic steam brake valve with adjustable hand control & flange with branches (to suit standard Dreadnought ejector)	Class B-17, steam brake, 15 engines	29/08/1930
14164	Blast pipe (booster)	Class C-7 with booster	04/09/1930
14174	Cover for drop grate bracket & screw	Class D-49	05/09/1930
14175	Damper gear	Class C-7 with booster	05/09/1930
14176	Smokebox steam pipes, lenticular shaped rings & flanges	Class C-7 with booster	06/09/1930
14179	Arrangement of steam brake & vacuum ejector & train pipe	Class B-17, 6 engines, steam brakes	09/09/1930
14180	Drop grate details	Class J-38	10/09/1930
14181	Light welded vacuum chamber	Class B-17 (15 engines 1930)	15/09/1930



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Drawing No.	Title	More Info	Date
14182	Sandbox for booster bogie	Class C-7 with booster	16/09/1930
14183	Arrangement of train heating, vacuum & steam brake pipes	Class J-71	16/09/1930
14184	Arrangement of ashpan	Class J-38	22/09/1930
14185	Ashpan details	Class J-38	22/09/1930
14188	Arrangement of painting and lettering	J39, J36, K3 Group standard tender 4200 galls & 3500 galls	Sep-30
14191	Sketch showing part of horizontal frame stay removed	Class B-17	30/09/1930
14192	Arrangement showing type Q-10 boiler fitted to type Q-5 engine		30/09/1930
14193	Sketches of drawbar & arrangement for corridor tender (Buckeye coupling)	4-6-2 type GN	02/10/1930
14197-1 part copy	Engine bearing spring	A5 Engine 1790	Jul-32
14198	Arrangement of water scoop	C9 For tender tank see drg 14045; for under-structure see drg 14046; for scoop details see drg 14199	Oct-30
14199	Water scoop details	Class C-7 with booster (tender)	06/10/1930
14200	Arrangement & details of clip for vacuum reservoir	Class B-17	07/10/1930
14209	Brick arches (including firebox dimensions)	N.E. area standard	11/10/1930
14211	Tender bogie frame template and end stays	C9 C7 with booster	Oct-30
14212	Arrangement of internal pipes	Class C-7 with booster	15/10/1930
14213	Brackets for water scoop & hand brake	Class C-7 with booster	17/10/1930
14214	Outside motion support	Class C-7 with booster	20/10/1930
14215	Combined steam & delivery valve for exhaust injector	Class C-7 with booster	23/10/1930
14217	Superheater elements front spectacle supporting plate	Engine No. 10,000	28/10/1930

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14218	6" Duplex gauge		28/10/1930
14220	Distance piece for steam pipe	Class C-7 with booster	29/10/1930
14233	Frame arrangement (engine 2162 converted to 4-6-2)	Class A-8	04/11/1930
14240	1½" Elements	Standard sheet old N E engines	06/11/1930
14242	Arrangement of pony truck (engine 2162 converted to 4-6-2 type)	Class A-8	12/11/1930
14247	8½" steam brake cylinder	Class C-7 with booster	11/11/1930
14248	Seatings for exhaust injector valve & steam reversing valve	Class C-7 with booster	13/11/1930
14249	Frame template	Class C-7 with booster	15/11/1930
14254	Arrangement of vacuum controlled regulator (Altered & retraced 26-1-37)	Class G-5	17/11/1930
14259	Arrangement of pipe to blower in centre flue	Engine No. 10,000	24/11/1930
14260	Arrangement of engine & coaches fitted with vacuum controlled regulator	Class O-4	24/11/1930
14263	Branch piece	Engine No. 10,000	24/11/1930
14271	Arrangement of booster bogie	Class C-7 with booster	26/11/1930
14281	Position of holes in frames for operating blow down valves on front water drums	Engine No. 10,000	27/11/1930
14282	Method of operating blow down valves on back water drums	Engine No. 10,000	27/11/1930
14292	Automatic steam brake valve (with adjustable hand control)	Gresham-Craven drg No. 10476/30A	29/11/1930
14293	Details of blower in centre flue	Engine No. 10,000	01/12/1930
14294	Brake arrangement	Class C-7 with booster	01/12/1930
14297	Element supports & details	Engine No. 10,000	01/12/1930
14302	Arrangement of firebox back, with automatic steam brake with hand control	Class B-17 (15 engines 1930)	01/12/1930

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14304	Bracket for steam brake valve (Automatic steam brake valve)	Class B-17 (15 engines 1930)	02/12/1930
14307	Plates for bottom of smokebox	Class C-7 with booster	05/12/1930
14308	Extension to filling hole on leading sandbox	Class C-7 with booster	06/12/1930
14309	Vacuum & steam valves for fog signal apparatus		08/12/1930
14310	Arrangement of bracket & valves for fog signal apparatus (steam & vacuum)		08/12/1930
14311	A & B methods for expansion of firebox (diagram sketches)	Sentinel rail coach	08/12/1930
14313	Clothing for booster outside steam & exhaust pipes	Class C-7 with booster	09/12/1930
14315	Connections for engine with steam brake valve drg No. 14161	Class B-17 (15 engines 1930)	09/12/1930
14316	Tank details	Class C-7 with booster	09/11/1930
14318	Spring hanger, bracket & auxiliary spring box (booster & tender bogies)	Class C-7 with booster	10/12/1930
14321	Half firegrate (coke)	Cars & Sentinel locos type Y3, Nos. 81 & 90 & cars	15/12/1930
14322	Brake shoe	Sentinel locos	15/12/1930
14324	Arrangement of tender bogie	Type C Sentinel Locos type Y3 Nos. 81 & 90 & cars	15/12/1930
14325	Bearing spring details	H & B Class L LNER Class J28 YEC contract no 31	
14326	Details for bogies	Class D-24, J-28 pts 1,2 & 3	16/12/1930
14329	Brake details for booster & tender bogies	Class C-7 with booster	16/12/1930
14335	Brake block	Sentinel cars 26.29 etc.	17/12/1930
14344	Firedoor & details	Engine No. 10,000	18/12/1930
14351	Wheel 30" dia.	Sentinel locos Nos. 19 type Y	19/12/1930
14354	Outside cylinder clothing	Class C-7 with booster	19/12/1930

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14357	Dirt trap for ejector steam pipe	Clayton rail coach	23/12/1930
14358	Wheels & axle for trailer bogie	Clayton rail car	24/12/1930
14359	Wheels & axle for driving bogie	Clayton rail car	24/12/1930
14360	Gear box & bracket for water control for exhaust injector	Class C-7 with booster	31/12/1930
14361	Manifold for steam valves	Class C-7 with booster	02/01/1931
14362	Frame arrangement	Class C-7 with booster	03/01/1931
14364	Footplate details	Class C-7 with booster	06/01/1931
14365	Vacuum controlled regulator	Class G-5	07/01/1931
14366	Arrangement of extension spring fitted to 3" balanced throttle valve	Engine No. 10,000	08/01/1931
14367	Steam valves	Class C-7 with booster	09/01/1931
14368	Smokebox arrangement	Class C-7 with booster	14/01/1931
14370	Bracket for water scoop	Class C-7 with booster	15/01/1931
14372	Leading bogie arrangement	Class C-7 with booster	16/01/1931
14381	Strum for tanks & tenders	N.E. standard	14/04/1931
14382	Arrangement of "Eureka" lubrication	Sentinel rail car (2 cylinder type)	21/01/1931
14384	Steam brake details (To suit "T11" brake block, Southern Scottish area)	3500 gallons group standard tender	23/01/1931
14385	Arrangement of steam brake (To suit "T11" brake block, Southern Scottish area)	3500 gallons group standard tender	08/06/1931
14386	Tender axlebox for leading & trailing axles only	Class C-7	06/01/1932
14387	Dust shield for booster suspension bearing	Class C-7 with booster	07/01/1932
14388	Arrangement of reversing gear in cab	Class C-7 with booster	29/01/1931
14389	Wakefield patent Eureka "Type G" lubricator	Sentinel rail cars (2 cylinder type)	30/01/1931
14390	Boiler (Firebox plates 9/16" thick)	Class J-38, J-39	02/02/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14391	Boiler (Firebox plates 9/16" thick)	Class D-49	02/02/1931
14394	Handrails	Class C-7 with booster	03/02/1931
14395	Footsteps (tender)	Class C-7 with booster	04/02/1931
14396	Bronze liners & rubbing pieces	Class C-7 with booster	05/02/1931
14397	Water gauge fittings	Engine No. 10,000	06/02/1931
14398	Alteration to bell crank on fog signal apparatus	N.E. standard	09/02/1931
14403	Front fall plate	Class C-7 with booster	13/02/1931
14405	Arrangement of cab	Class C-7 with booster	14/02/1931
14406	Tender fall plate	Class C-7 with booster	16/02/1931
14407	Front end plough	Class C-7 with booster	17/02/1931
14410	11" vertical steam brake cylinder		19/02/1931
14414	Spring adjusting screw bracket & link	Class C-7 with booster	20/02/1931
14418	Arrangement of Goodall articulated drawbar	Class D-49 pt2	26/02/1931
14419	Arrangement of fog signal	Sentinel rail car	27/02/1931
14420	Details of fog signal	Sentinel rail car	27/02/1931
14421	Tyre gauge (L.M.S. pattern)		27/02/1931
14423	Connecting rod	Class J-38, J-39	02/03/1931
14424	Arrangement & details of fog signal	Class K-3, Steam brake engines in N.E. area	02/03/1931
14428	Arrangement of fog signal apparatus for steam & vacuum fitted engines	Class J-39, experimental	05/03/1931
14430	Reversing shaft	Class C-7 with booster	10/03/1931
14431	Mechanical lubricator, 8 feeds	Class D-49 part 2	10/03/1931
14434	Cover, liner and oil box for top of axle boxes of middle axle only	Group standard tenders 4200 gallons & 3500 gallons	Mar-31
14436	Manhole & lid	S. Scottish area group standard tenders	12/03/1931
14442	Chimney	Class C-7 with booster	17/03/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14459	Arrangement of footstep injectors	Class Q-6	24/03/1931
14461	Cylinder water cock details	Class C-7 with booster	26/03/1931
14471	Engine brake gear details	Class C-7 with booster	01/04/1931
14473	Liners for existing cylinders	Class J-39, J-38	02/04/1931
14474	8½" & 9" vertical steam brake cylinder	Standard	02/04/1931
14476	Gauge for tyre flange wear, standard thick tyre	Standard	07/04/1931
14480	Water cock & details for footstep injectors	Class Q-6	13/04/1931
14481	Stand for steam valves	J-38, J-39, D-49	14/04/1931
14483	Crosshead	Class C-7 with booster	15/04/1931
14484	[No title in register]	Class C-7 with booster	17/04/1931
14486	Arrangement & details of anchor link for worm drive	Class D-49 part 2/1930	20/04/1931
14487	Reversing rod	Engine No. 2162, H-1 converted to 4-6-2 only	20/04/1931
14491	Details of connections for steam brake	Class D-49 pt2/1930	22/04/1931
14493	Detail of steam drum	Class W-1, engine No. 10,000	25/04/1931
14494	Feed water cocks & details	Class C-7 with booster	25/04/1931
14495	Brick arches on the lines of B-17 type engines	Class J-39	26/04/1931
14496	Handrails & clothing arrangement	Class C-7 with booster	27/04/1931
14497	Seatings for washout plugs on firebox sides	Standard	27/04/1931
14498	Extra dust shield for axlebox	Group standard tender 3500 & 4200 gallons	28/04/1931
14499	Tyre gauge		19/04/1931
14504	Exhaust injector details	Class C-7 with booster	05/05/1931
14505	Modification to expansion angle & frame to fit J-39 boiler to D-49 engine		06/05/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14506	Independent feed steam to H.P. injector	Class W-1, engine No. 10,000	06/05/1931
14512	Boiler top plate	Sentinel rail coach (6 cylinder)	14/05/1931
14514	Arrangement of automatic steam brake valve drg No. 14161-D & connections	Class D-49 pt2/1930	15/05/1931
14515	Hoops for vacuum chamber	Cancelled	15/05/1931
14516	Bracket for oil box on firebox back	D49 Steam brake engine	May-31
14517	Elements	Class H-1 1929	16/05/1931
14520	Pipe & rod arrangement - elevation & plan	Class A-8, engine No. 2162	18/05/1931
14521	Pipe & rod arrangement - end views	Class A-8, engine No. 2162	18/05/1931
14523	Smokebox arrangement	Class A-8, engine No. 2162	21/05/1931
14526	Reversing gear details	Class D-49 pt2 1930	21/05/1931
14528	Details of main drive & reversing universal shafts	Class D-49 pt2 1930	21/05/1931
14529	Detail of return crank	Class D-49 pt2 1930	21/05/1931
14539	Valve spindle bushes, covers & renewable seals R.C. poppet valve gear	Class D-49 pt2 1930	01/06/1931
14540	Method of securing wedge to hornblock	D49 Superseded by drawing U297N May 1937	Jun-31
14542	Lubrication details	Class C-7 with booster	02/06/1931
14544	Flanges for booster steam & exhaust pipes	Class C-7 with booster	03/06/1931
14547	Details for live steam injector	Class A-8, engine No. 2162	04/06/1931
14549	Arrangement & details of mechanical lubrication, Westinghouse brake	Class K-3, Doncaster build	05/06/1931
14555	Miscellaneous brackets	Class C-7 with booster	11/06/1931
14560	Arrangement of automatic steam brake valve drg No. 14161-D & connections	Class J-39, 1930 builds	18/06/1931
14563	Bracket for booster sight feed lubricator	Class C-7 with booster	20/06/1931
14564	Tender back end plough	Group standard 3500 gallons tender with "T11" brake blocks	22/06/1931

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Drawing No.	Title	More Info	Date
14569	Cast steel brake shaft	Class B-17, supersedes drg No. 13390	25/06/1931
14571	Disc wheel (engine bogie) (trailer bogie)	Sentinel rail cars	29/06/1931
14572	Disc wheel (trailer bogie)	Sentinel rail cars	29/06/1931
14573	Tyre for disc wheels to drg No. 14571-2	Sentinel rail cars	29/06/1931
14577	Footplate supports	Class J-39, 1930 builds	01/07/1931
14578 sheet 1	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Jul-31
14578 sheet 1	Axlebox oilers schedule No 73		Feb-58
14579	Steam brake details	Class C-7 with booster	07/07/1931
14578 sheet 2	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Mar-50
14578 sheet 2	Axlebox oilers schedule No 73		Apr-58
14580	Alteration to lubrication system	Sentinel rail coach	08/07/1931
14581	Arrangement & details for testing brake cylinder	Class B-17, steam brakes	09/07/1931
14582	Arrangement of steam brake	Class A-2	09/07/1931
14583	Additional washout doors	Class J-39	10/07/1931
14584	Details of shafting for main drive & reversing gear	Class D-49 pt2 1930	10/07/1931
14585	Details for Detroit & mechanical lubricator	Class C-7 with booster	11/07/1931
14595	Distance piece for exhaust steam separator	Class C-7 with booster	16/07/1931
14597	Lubrication of trailing horn cheeks	Class C-7 with booster	16/07/1931
14598	Crank pins	Class K-2	16/07/1931
14599	Hooks for reservoirs	Class C-7 with booster	17/07/1931
14609 sheet 1	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Jul-31



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Drawing No.	Title	More Info	Date
14609 sheet 1	Axlebox oilers schedule No 73		Feb-58
14610	Arrangement of automatic steam brake valve & connections	Class K-3	21/07/1931
14609 sheet 2	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Jul-38
14609 sheet 2	Axlebox oilers schedule No 73		Feb-58
14615	Proposed water tube boiler	Class K-3	21/07/1931
14616	Horncheek arrangement & details of lubrication G.N. class (Oilbox only, used for K-3)	Class K-3, K-3/29 D'ton K-3/30 A.W. & Co.	22/07/1931
14617	Brackets for steam brake & steam sanding valves	Class K-3	23/07/1931
14619	Superheater header	Amended to suit superheater Co; Class D-49 Patt 2, 1930	24/07/1931
14620	30" disc wheel for trailer bogie	Sentinel Cammell car No. 13E	24/07/1931
14621	Details for ashpan drench pipe	Class C-7 with booster	24/07/1931
14622	Unions for booster control & steam sanding	Class C-7 with booster	27/07/1931
14626	Sliding doors	Clayton rail car pilot 2121	29/07/1931
14632	Details for fog signal apparatus	Class C-7 with booster	07/08/1931
14636	Floor boards in cab	Class C-7 with booster	08/08/1931
14637	Single helical bevel pinion (main drive)	Class D-49 pt2/30	10/08/1931
14641	Regulator handle & details	Clayton rail coach	14/08/1931
14643	Brackets for pressure gauges	Class C-7 with booster	19/08/1931
14644	Alteration to boiler pads	Clayton rail coach	20/08/1931
14645	End views pipe and rod arrangement	Class C-7 with booster	20/08/1931
14646	Clothing for steam and exhaust pipes	Class C-7 with booster	21/08/1931
14653	Camshaft and keys	Class D-49 pt2/1930	28/08/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14656	Camshaft arrangement	Class D-49 pt2/1930	28/08/1931
14659	Camshaft collars, bushes etc	Class D-49 pt2/1930	31/08/1931
14661	Axlebox oilers to tender form No.73	G.E. section standard	01/09/1931
14661	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Jun-35
14663	Tank for sodium aluminate water softener	Engine No. 10,000	02/09/1931
14664	Arrangement of return crank gear box	Class D-49 pt2/1930	02/09/1931
14665	Return crank gear box	Class D-49 pt2/1930	02/09/1931
14667	Arrangement of lubricating pipes	D49 Assoc Loco Equip Ltd: rotary poppet valve gear	Sep-31
14668	Lagging for manifold	Class C-7 with booster	07/09/1931
14669	Nameplate	D49 part 2	Sep-31
14671	Bevel gear driving shank and camshaft cage joint section	Class D-49 pt2/1930	08/09/1931
14672	Distance piece for anti-vacuum valve	Class C-6	09/09/1931
14673	Sample sections of scrap tyres		10/09/1931
14674	Driving gear details	Class D-49 pt2/1930	10/09/1931
14676	Arrangement of driving wheel casing R H cylinder	Class D-49 pt2/1930	11/09/1931
14677	Sectional arrangement thro camchamber L H cylinder	Class D-49 pt2/1930	11/09/1931
14678	Sectional arrangement thro camchamber centre cylinder	Class D-49 pt2/1930	11/09/1931
14679	Sectional arrangement thro camchamber R H cylinder	Class D-49 pt2/1930	11/09/1931
14680	Sectional arrangement thro steam valve	Class D-49 pt2/1930	11/09/1931
14681	Sectional arrangement thro exhaust valve	Class D-49 pt2/1930	11/09/1931
14682	Return crank gear box details	Class D-49 pt2/1930	11/09/1931
14683	Steam blower for ashpan	Class B-16, altered 1930	16/09/1931
14684	Valve gear details	Class D-49 pt2/1930	16/09/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14685	Forward steam cams	Class D-49 pt2/1930	16/09/1931
14686	Forward steam cams	Class D-49 pt2/1930	16/09/1931
14687	Backward steam cams	Class D-49 pt2/1930	16/09/1931
14688	Backward steam cams	Class D-49 pt2/1930	16/09/1931
14689	Forward exhaust cams	Class D-49 pt2/1930	16/09/1931
14690	Forward exhaust cams	Class D-49 pt2/1930	16/09/1931
14691	Backward exhaust cams	Class D-49 pt2/1930	16/09/1931
14692	Backward exhaust cams	Class D-49 pt2/1930	16/09/1931
14693	Trains driven from either end, arrangement of engine and coaches showing controls	Class D-49 pt2/1930	16/09/1931
14695	List of axles and crank pins	Drg no 9838-D revised, N.E. Section	18/09/1931
14696	No 10 injector Class P (Davies & Metcalfe Ltd)	4-6-4 H.P	19/09/1931
14698	Guide for drop grate operating rod	Engine No. 10,000	22/09/1931
14699	Arrangement of engine showing Air Ministry coupling	Class J-39	22/09/1931
14700	Metal couplings (Air Ministry pattern)	Class J-39	22/09/1931
14702	Arrangement showing pipes with "Air Ministry Type Couplings" engine 1456	Class J-39	23/09/1931
14706	Expansion bracket	Class J-39, D-49 pt2	25/09/1931
14708	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	
14708	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Jan-49
14709	Modification to existing oil boxes	Standard	28/09/1931
14710	Metal couplings (Air Ministry Pattern)	Class N-39	01/10/1931
14711	Additional washout doors	Class D-49	01/10/1931
14713	Sketch showing steel tube pressed into position	Engine No. 10,000	03/10/1931

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Drawing No.	Title	More Info	Date
14716	Alteration to fall plates between engines and tenders with raised footboards		07/10/1931
14720	Alteration to position of fog signal bracket	Class K-3, West brake to steam brake	10/10/1931
14721	Arrangement of steam brake and fog signal	Class B-16, West brake to steam brake	12/10/1931
14722	Steadying bracket on back of boiler	Class D-49	13/10/1931
14733	Alteration to drivers seat	Class C-7 with booster	21/10/1931
14735	Dust shield on booster bogie casting	Class C-7 with booster	21/10/1931
14737	Safety links and fastening for booster suspension	Class C-7 with booster	22/10/1931
14742	Arrangement of fog signal	Class K-3 Westinghouse fitted engines converted to steam brake	28/10/1931
14748	Retaining ring for 2½" tyres on 2'-6" wheels	Sentinel rail coach	02/11/1931
14753	Axlebox oilers to tender form No 73	Cancelled. Refer to revised chart Feb 1958.	Dec-31
14757	Alteration to position of fog signal bracket, when engines are fitted with ashpan to drawing no 13581	Class K3, NE area, 9 engines	06/11/1931
14758	Alteration to brake hangar carrier bolts	Standard	06/11/1931
14762	Boiler drain cock (Klinger)	Engine No. 10,000	11/11/1931
14763	Arrangement for fitting 2½" tyres to worn disc wheels	Sentinel Cammell locomotive	12/11/1931
14765	Arrangement for fitting 2½" tyres to existing wheels	Sentinel Cammell locomotives, type Y-3	12/11/1931
14766	Anchor rod for booster steam and exhaust pipes	Class C-7 with booster	12/11/1931
14768	Walkerite joints for Sentinel Cars and locos and Clayton cars		12/11/1931
14773	Shield for water scoop	3500 gallon tender, Group standard	14/11/1931
14777	Steam control diagram for booster	Class C-7 with booster	16/11/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14781	Arrangement of pipes for Wakefield mechanical lubricator	D49 Rotary and steam brake	Nov-31
14782	Arrangement and details for Wakefield mechanical lubricator	D49 Rotary and steam brake	Nov-31
14785	Wheel an axle, engine bogie (2½" tyres)	Clayton cars	25/11/1931
14789	Steam sanding cock for booster turning wheel	Class C-7 with booster	26/01/1931
14791	Retaining ring 2½" tyres 2'-7" tyres, 2'-7" dia wheels	Sentinel Cammell locos Y-1, Y-3	30/11/1931
14792	¾" automatic steam brake valve with adjustable hand control	G E C drawing no 10930/31	30/11/1931
14794	Locking plate for straight ball on manifold	Class C-7 with booster	01/12/1931
14796	Arrangement showing modifications to smokebox end type II Woolnough boiler	Sentinel rail coach	02/12/1931
14803	Arrangement of propping pole sentinel loco	Y3 Not adopted; see Mr Steadman's letter June 1932	Dec-31
14806	Portable front end plate for boiler casing (Coaches - Old Blue & Phenomena)	Sentinel rail coach	09/12/1931
14810	Diagram showing relative positions of scoop and anti-splash shields to water trough & rail level	C9	Dec-31
14816	Arrangement of propping pole sentinel loco	Y1	Dec-31
14821	Arrangement & details of advertisement frames (Phenomena 200 H.P)	Clayton rail coach	19/12/1931
14822	Arrangement & details of advertisement frames (Phenomena 200 H.P)	Sentinel rail coach (2 cylinder)	21/12/1931
14824	Arrangement of anti-splash shields on water scoop	C9	Dec-31
14825	Details of anti-splash shield on water scoop	Coaches - Old Blue & Phenomena	22/12/1931
14826	Tender axlebox with sliding top (Middle axle only)	Class C-7 tender	29/12/1931

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14828	Piston rod packing & eccentric crank	Class K-3, Armstrong builds	30/12/1931
14831	Walkerite jointing material		04/01/1932
14833	Gudgeon pin for 3-cylinder engines	Class D-49, K-3	05/01/1932
14838	Tender axlebox guides for middle axle boxes only	C7 tender A2 converted to J39 self trimming tenders only; C6, B15, B16, D20, D21 (Q6 to D49)	Jan-32
14842	Blower connection (smokebox)	Class J-38, J-39, D-49	08/01/1932
14843	Alteration to brake gear to allow ½" side play, middle wheels	Class C-7 tender	11/01/1932
14844	Arrangement showing sliding top on axleboxes of middle pair of tender wheels	C7 tender A2 converted to J39, B16; Q6 converted to J39	Jan-32
14846	Side screens for cabs	A1,A3,K3,P2,A4 Also C7, C9, D49, A2/2; D20 rebuild	Jan-30
14848	Sketch showing position of ejector in cab	Sentinel rail coach (2 cylinder type)	18/01/1932
14849	Alteration to non-self trimming tenders	Class C-7 to suit Class Q-6	18/01/1932
14852	Arrangement of Gresham's feed water heater	Sentinel rail coach (200 H.P)	19/01/1932
14858	Holes in back casing plate for blowing tubes	Coach - Old John Bull, Sentinel rail coach	26/01/1932
14859	Arrangement of bogie centre lubrication (Six cylinder type)	Sentinel rail coach	27/01/1932
14860	Arrangement of lubrication for Goodalls patent articulated drawgear on tenders	4200 gallon tenders	Feb-32
14861	Arrangement of audible signalling apparatus	Class F-8 (one engine only)	27/01/1932
14862	Spring gear suspension for worm drive gear & case	Class D-49 pt2 1930	27/01/1932
14863	Details of bogie centre lubrication (six cylinder type)	Sentinel rail coach	29/01/1932
14865	Coupling rod	Class C-7 rotary	29/01/1932
14867	Hinged firehole door	Ordering print, Engine No. 10,000	02/02/1932

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14868	Cast steel saddle for smokebox	Class C-7 rotary	03/02/1932
14869	Alteration to Sentinel car sandbox	Sentinel rail coach	04/02/1932
14873	Robinsons 24 element cast iron superheater heater	Class C-7 rotary. Superseded by I-638, 19-11-36	10/02/1932
14876	Arrangement of exhaust & footsteps injectors also steam sanding	Class C-7	11/02/1932
14877	Return crank	Class C-7 rotary Class D-49 pt2 1930, last 5 engines	15/02/1932
14878	Locking plate for straight ball	Class C-9	17/02/1932
14882	Arrangement of automatic rail washing gear	Class Q6	22/02/1932
14899	Locking plate for clutch safety cylinder union	Class C-9	01/02/1932
14900	Wakefields No.7 pattern mechanical lubricator, 6 feeds, 1 gallon capacity		02/03/1932
14901	Sentinel boiler equipped with brackets & pads to suit Clayton coach	Clayton rail coach	04/03/1932
14905	Horn block clip	D49/2	Mar-32
14906	Smokebox arrangement	Class J-38 with J-39 boiler	09/03/1932
14908	Boiler details - Sentinel type boiler equipped for Clayton car	Clayton rail coach	10/03/1932
14909	Smokebox arrangement (Robinsons 18 element superheater header)	Class H-1	10/03/1932
14911	Horn blocks and clips	D49/2	Mar-32
14912	Leading axlebox	Class N-2	15/03/1932
14913	Trailing axlebox	Class N-2	15/03/1932
14914	Driving axlebox	Class N-2	15/03/1932
14915	Three way cock for steam brake	Standard	15/03/1932
14917	Filling-in piece for frame	D49/2 LH frame engine 247 (experimental)	Mar-32
14918	Equal motion lever	Class B-17 (1932 builds)	17/03/1932

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
14919	Radius link bracket	Class B-17 (1932 builds)	18/03/1932
14920	Valve connecting links & piston valve spindle	Class B-17 (1932 builds)	18/03/1932
14922	Motion details	Class B-17 (1932 builds)	18/03/1932
14923	Leading horn block and clip	B17	Mar-32
14925	Eccentric rod	Class B-17 (1932 builds)	19/03/1932
14926	Roller bearings & valve gear	Class B-17 (1932 builds)	19/03/1932
14927	Outside valve spindle crosshead	Class B-17 (1932 builds)	19/03/1932
14929	Driving horn blocks	B17	Mar-32
14929	Driving horn blocks, clip and stiffening plat	B17	Apr-32
14932	Clothing arrangement	Class J-38 with J-39 boiler	22/03/1932
14934	Protection plates between frames for H.P. cylinders (proposed)	Engine No. 10,000	24/03/9132
14936	Combination lever	Class B-17 (1932 builds)	30/03/1932
14938	Trailing horn blocks and clip	B17	Apr-32
14939	Vacuum Hose couplings		04/04/1932
14942	Valve connecting rod & Reversing slide block	Class B-17 (1932 builds)	05/04/1932
14950	Worn tyre gauge - all profiles		12/04/1932
14952	Bogie arrangement	Class C-7 rotary	13/04/1932
14954	¾" Steam cock for steam brake	Class C-9 etc.	18/04/1932
14956	¾" Mark II graduable & automatic steam brake valve	Standard for tender engines	21/04/1932
14957	Big end bearing for connecting rod	Standard	21/04/1932
14958	Frame template	Class D-49 pt2 1930, last 5 engines	21/04/1932
14960	Clip for expansion bracket	Class D-49 pt2 1930	22/04/1932
14961	Spring hanger bracket and details	D49/2	Apr-32
14968	Arrangement of vacuum exhaust & drain	Class D-20	26/04/1932



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Drawing No.	Title	More Info	Date
14970	Arrangement of exhaust steam ("H") & footstep injectors	Class B-16	26/04/1932
14974	Driving & trailing coupled wheels	Class D-49 pt2 1930, last 5 engines	26/04/1932
14975	Built up axle crank	Class D-49 pt2 1930, last 5 engines	26/04/1932
14976	Trailing axle	Class D-49 pt2 1930, last 5 engines	26/04/1932
14979	Branch piece for smokebox	Engine No. 10,000	29/04/1932
14982	Crank pins	Class D-49 pt2 1930, last 5 engines	02/05/1932
14986	Built-up crank axle	Class C-7 rotary	05/05/1932
14987	Proposed arrangement of shoes for third rail	Electric freight engine	06/05/9132
14992	Arrangement of automatic rail washing gear	Class C-7	11/05/1932
14993	Arrangement of water valves in cab rail washing gear	Class C-7	11-5-1032
14995	Firedoor protection plates	Engine No. 10,000	12/05/1932
14997	Smokebox arrangement with header to drg No.13693 (Robinsons 18 element superheater header)	Class J-24 sup/31	13/05/1932
14999	Details for rail washing gear	Class C-7, Q-6	13/05/1932
15000	Arrangement of hand reversing gear	C-7 part II rotary	18/05/1932
15001	Arrangement of steam brake and steam sanding	B15	May-32
15003	Weights to balance coupled wheels	Class D-49 pt2 1930, last 5 engines	19/05/1932
15004	Alteration to barrier for doorway	Sentinel rail coach	20/05/1932
15006	Arrangement of superheater	Engine No. 10,000	23/05/1932
15018	Frame & motion arrangement	Class D-49 pt2 1930, last 5 engines	30/05/1932
15019	Front spectacle supporting plate for two bottom rows of super elements	Engine No 10,000	30/05/1932
15025	Arrangement of Stone's smokebox ash ejector	Class J-39, order 87	01/06/1932

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15027	Extension plate for fog signal bracket	Class C-6, 1903 builds	02/06/1932
15028	Alteration to back end element supports	Engine No. 10,000	03/06/1932
15029	Arrangement of exhaust & footstep injectors	B15	Jun-32
15042	Arrangement of propping pole: sentinel loco	Y3	Jun-32
15044	Arrangement of propping pole: sentinel loco	Y3	Jun-32
15054	Front element support & closing plate	Engine No. 10,000	09/06/1932
15060	Details for Stone's smokebox ash ejector	Class J-39	11/06/1932
15065	Smokebox arrangement with Stone's ash ejector	Class J-39	15/06/1932
15066	Proposed tyre gauge		15/06/1932
15067	Frame arrangement (part copy of drg No. 15067 frame template)	Class B-17, 1932 builds	16/06/1932
15068	Single & double cone joints for copper pipes, ¼" bore to ⅞" bore	Standard	16/06/1932
15069	Single & double cone joints for copper pipes, 1" bore to 24" bore	Standard	24/06/1932
15073	Superheater elements	Engine No 10,000	18/06/1932
15079	Front piston valve cover	J39	Jan-25
15080	Arrangement of baffles	Engine No. 10,000	21/06/1932
15081	Details of elements attachments	Engine No. 10,000	22/06/1932
15083	Stop valve for steam supply to vacuum ejector & L.H. injector	Engine No. 10,000	23/06/1932
15088	Details for rail washing gear	Class Q-6	28/06/1932
15094	Arrangement of blower in centre flue	Engine No. 10,000	29/06/1932
15099	Details for blower in centre flue	Engine No. 10,000	06/07/1932
15101	Frame arrangement elevation	Class B-17, 1932 builds	07/07/1932
15102	Detail of firebrick plug at superheater back support	Engine No. 10,000	08/07/1932

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
15105	Arrangement of bogie centre lubrication	Sentinel rail coach - 200 H.P., 2281 Old John Bull, 2283 Old Blue	09/07/1932
15108	Stay for back end left hand footstep	Class J-39	14/07/1932
15110	Tender frame	H & B Class L LNER Class J28 YEC contract no 91	Jul-32
15111	Tender frame arrangement	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 90	Jul-32
15112	Tender frame arrangement	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 98	
15113	Frame arrangement	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 44	
15114	Alteration to leading crank pins	Class K-3	15/07/1932
15116	Drag casting	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 47	
15117	Arrangement & details of steam supply to L.H. injector & vacuum ejector	Engine no. 10,000	16/07/1932
15118	Sanding gear details	Class B-17, 1932 builds	16/07/1932
15121	Details for bogie centre lubrication	Sentinel rail coach 200 HP (Old John Bull, Old Blue)	20/07/1932
15122	Branch piece for injector & vacuum ejector steam	Engine NO. 10,000	22/07/1932
15124	Footplate support (back)	Class C-7 pt2 rotary	25/07/1932
15127	Vacuum ejector	Engine No. 10,000	26/07/1932
15131	Centre footplate supports	Class C-7 pt2 rotary	29/07/1932
15132	New position of slide bar oil boxes	J38, J39	Jul-32
15133	Arrangement & details for additional brake release spring	Class J-39	30/07/1932
15134	Arrangement of boiler lagging	Engine No. 10,000	03/08/1932

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
15135	Frame template - front end alteration	Class C-7 pt2 rotary	03/08/1932
15136	Arrangement of Konnicott Dejector	Sentinel rail coach, 6 cylinder type	06/08/1932
15137	Clinker shovel	Group standard	06/08/1932
15138	Method of securing wedges	Class K-3, all engines with wedges	06/08/1932
15140	Smokebox arrangement	Class C-6/31	08/08/1932
15141	Alteration to water scoop	Group standard tender	08/08/1932
15142	Branch pipe, cast iron cover, distance piece & lenticular king for smokebox	Class C-7 pt2 rotary	08/08/1932
15143	Cylinder water cock details	Class B-17 1932 builds	08/08/1932
15144	Arrangement of leading hand sanding	A5	Jul-33
15146	Tyre gauges		10/08/1932
15147	Butt joint in frames	Class C-7 pt2 rotary	10/08/1932
15152	Sandbox details	Class B-17 1932 builds	11/08/1932
15155	Brake shaft & details	Class A-6	15/08/1932
15157	Cams, driving shank etc. (for continuous cams)	Class D-49 pt2 1930, one engine	16/08/1932
15158	Proposed advertisement frame	Sentinel rail cars	18/08/1932
15160	1½" & 2" full bore reducing valve with positive opening & closing device	Traced from Cockburn print, engine No.10,000	19/08/1932
15161	Proposed buffing and draw gear	J28	Aug-32
15162	Adapter for steam inlet of footstep injector to suit standard double cone joint	Class J-39, one engine only	23/08/1932
15165	Brake shaft	Hull & Barnsley LS class LNER J28 Kitson & Co contract drawing no 111	Aug-32
15171	Pads on boiler for screw reversing gear	Class C-7 pt2 rotary	07/09/1932
15172	Bracket for reversing shaft	Class C-7 pt2 rotary	07/09/1932
15174	Extension to filling hole on trailing sand boxes	Class C-7 pt2 rotary	19/09/1932

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Drawing No.	Title	More Info	Date
15177	Arrangement of water scoop with deflector	Group standard tender 4200 gallons	Jul-35
15178	Blower connection in smokebox	Class D-49 pt2 1930	26/09/1932
15179	Alteration and tender under structure	C9 tender	Sep-32
15180	Three-way cock for steam brake, with single cone joints	Standard	19/09/1932
15181	Front fall plate	Class C-6/31	29/09/1932
15184	Front fall plate	Class C-7 pt2 rotary	04/10/1932
15185	Arrangement of steam heating & hosepipes with adapter fitted to cock		05/10/1932
15187	Footsteps at front end	Class C-7 pt2 rotary	07/10/1932
15190	Mechanical lubricator details	Class B-17	10/10/1932
15191	Union for vacuum train pipe	Standard	12/10/1932
15192	Pipe couplings	Class B-17	13/10/1932
15193	Cab & splashers	Class C-7 pt2 rotary	14/10/1932
15194	Tool box & filling-in plate, L.H.S. engine	Class C-7 pt2 rotary	14/10/1932
15195	Filling-in plate R.H.S. of engine	Class C-7 pt2 rotary	14/10/1932
15197	Hoops for vacuum reservoir	Class K-3/29, K-3/30	17/10/1932
15201	Unions for vacuum exhaust pipe drain	Class A-8, D-49 etc.	19/10/1932
15202	½" cock for steam brake valve	Class A-8	19/10/1932
15203	Cock for steam chest pressure gauge	Class A-8	19/10/1932
15205	Piston valve & spindle	Class C-7	20/10/1932
15207	Frame & motion arrangement	Class C-7 pt2 rotary	21/10/1932
15208	Filling-in plate for top of outside frames	Class C-7 pt2 rotary	24/10/1932
15210	Raised footboard	Sentinel rail coach	27/10/1932
15212	Transverse stop for booster	Class C-9	29/10/1923
15213	Regulator elbow pipe	Class C-7 pt2 rotary	02/11/1932
15214	Smokebox arrangement	Class C-7 pt2 rotary	02/11/1932

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15215	Driving & trailing coupled wheels	Class C-7 pt2 rotary	03/11/1932
15219	Fall plate	Class C-7 pt2 rotary	11/11/1932
15220	Wood platform in cab	Class C-7 pt2 rotary	14/11/1932
15222	Oil level gauge for booster	Class C-9	08/11/1932
15223	Unions for mechanical lubricators	D49 (PT2), C7 (PT2 rotary)	Nov-32
15224	Arrangement of boiler	Engine No. 10,000	10/11/1932
15233	Alteration to injector pipes	Class J-39	01/11/1932
15234	Positions of pyrometers etc.	Engine No. 10,000	12/11/1932
15235	Superheater headers & details	Engine No. 10,000	14/11/1932
15236	Piston valve, spindle & liner	Class B-17	15/11/1932
15238	Piston valve, liner & spindle	Class D-49	21/11/1932
15239	Firehole door	Class B-17	21/11/1932
15241	Smokebox steam pipes	Class C-7 pt2 rotary	23/11/1932
15243	Details for firehole door	Class B-17	24/01/1932
15247	Regulator handle (Retraced from drg No. 12651)	Class J-38, J39, C-9	25/11/1932
15248	Brake head & shoe (C & W drg No. 14136)	Sentinel rail coach	28/11/1932
15251	Combined steam & delivery valve for injector	Standard D-49/1930, C-7 pt2 rotary	30/11/1932
15252	Firedoor screens & tray	Class B-17	02/12/1932
15253	Elbow for vacuum ejector steam pipe	Standard	03/12/1932
15256	Firebox back arrangement	Class B-17	08/12/1932
15257	Steam brake connections	Class B-17	08/12/1932
15258	Steam valves on manifold	N.E. Section new engines & repairs, Class J-38, J-39, D-49, N-2	09/12/1932
15261	Coal hopper on bunker	A8	Dec-32
15263	Blower valve	New works & repairs, Class J-38	14/12/1932

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15267	Blower rings (for cone joints)	Standard	21/12/9132
15268	Water cock for bucket	Class A-8	22/12/1932
15269	L.P. piston rod packing	Engine No. 10,000	29/12/1932
15270	Piston valve & liner	Class j-39	29/12/1932
15271	Ring control piston valve	Class K-3/29, K-3/30	29/12/1932
15276	Arrangement of footstep injector	Class J-27	04/01/1933
15278	Application of Vibro locknuts	Class K-3	04/01/1933
15279	Smokebox arrangement Robinson 18 element header	J21, N8	Jan-33
15282	Arrangement & details of anchor link for worm drive	Class C-7 pt2 rotary	06/01/1932
15285	Alteration to cylinders	Class K-3	09/01/1932
15287	Driving and trailing axleboxes	C7 PT2 rotary	Jan-33
15288	Firebricks	Engine No. 10,000	12/01/1933
15290	Front & back steam chest covers	Class C-7 with T.A.B. piston valves	12/01/1933
15291	Bracket & adapter for steam sanding valve	Class A-2	12/01/1933
15293	Alteration to drop grate & damper gear	Sentinel rail coach	13/01/1933
15296	Pipe and rod arrangement	C7 PT2 rotary	Jul-33
15297	Pipe & rod arrangement , end views	Class C-7 rotary	18/01/1932
15297	Pipe and rod arrangement end views	C7 PT2 rotary	Jul-33
15300	Combined steam & delivery valve for injectors	N0.8	23/01/1933
15302	Blast pipe (Stratford drg No. E30770)	Class B-17, 1932 builds	27/01/1933
15307	Coupling for flexible tubing to steam reversing gear	Standard	30/01/1933
15308	Steel superheater smoke tube (diagram of tubes)	Standard	31/01/1933
15317	Steel nipples welded on pipes for connectors	Standard	09/02/1933

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15319	Steam stand	Class C-7 pt2 rotary	10/02/1933
15322	Frame stay	Class D-49 repairs	16/02/1933
15323	Arrangement of footstep injectors	Cancel 14984. Class J-25, J-24	17/02/1933
15328	Arrangement & details of cylinder cock gear	Class C-7 pt2 rotary	23/02/1933
15329	Cylinder cocks	Class C-7 pt2 rotary	03/03/1933
15331	Pipe clip for injectors	Class D-49 pt1	27/02/1933
15333	Arrangement & details of anchor link for worm drive	Class D-49 pt2 1930, last 5 engines	27/02/1933
15334	Screw reversing rod	Class C-7	27/02/1933
15336	Arrangement of internal pipes in boiler	Class C-7 pt2 rotary	28/02/1933
15337	Arrangement for preventing removal of sieves from Wakefield lubricators & dip rod for testing oil level	Wakefield mechanical lubricator, Donc. Drg Y1193N	01/03/1933
15338	Plough	Class C-7 pt2 rotary	02/03/1933
15346	Smokebox arrangement	Class A-7/32	14/03/1933
15350	Arrangement of spark arrester	Sentinel rail coach	14/03/1933
15352	Alterations to loco axles	Class D-20, Q-5, Q-6	17/03/1933
15353	Arrangement of lagging for spark arrester	Sentinel rail coach	20/03/1933
15354	Details for spark arrester	Sentinel rail coach	23/03/1933
15355	H.P. piston valve, spindle & liner	Engine No.10,000	25/03/1933
15357	Details for type "H" exhaust steam injector	Class C-7 pt2 rotary	28/03/1933
15360	Arrangement of steam brake	Class A-2 pt2	29/03/1933
15363	Boiler	B16, Q7	Apr-33
15364	Arrangement of Smiths speed indicator	Class D-49	03/04/1933
15366	Locking plate for piston rod nut		07/04/1933
15367	Details of speed indicator (Smiths)	Class D-49	12/04/1933
15369	Clutch cylinder & piston	4-4-2 G.N. Booster engine 4419	19/04/1933



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Drawing No.	Title	More Info	Date
15371	Rocker arm	4-4-2 G.N. Booster engine 4419	19/04/1933
15372	Pins in rocker arms on booster	4-4-2 G.N. Booster engine 4419	19/04/1933
15373	Gear wheel on booster crankshaft	4-4-2 G.N. Booster engine 4419	19/04/1933
15374	Manifold coupling	4-4-2 G.N. Booster engine 4419	19/04/1933
15375	Cover, unions & rocking plates for clutch cylinder	4-4-2 G.N. Booster engine 4419	19/04/1933
15376	Delay action valve for cylinder cranks	4-4-2 G.N. Booster engine 4419	19/04/1933
15377	Casing for flexible drive	Class D-49	19/04/1933
15381	Half pint oil feeder		21/04/1933
15383	Distance piece for driving sandbox	Class C-6, C-6/09	24/04/1933
15384	Gear box "B" for H.P. expansion gear	Engine No.10,000	25/04/1933
15385	Gear box "A" for H.P. expansion gear	Engine No.10,000	25/04/1933
15386	Reversing stand & handles	Engine No.10,000	25/04/1933
15387	Gear box "C" in cab for screw reversing gear	Engine No.10,000	25/04/1933
15388	Details for L.P. screw reversing gear	Engine No.10,000	25/04/1933
15389	Details for H.P. expansion gear	Engine No.10,000	25/04/1933
15390	Arrangement & details for cut-off indicator in cab	Engine No.10,000	25/04/1933
15391	Arrangement of L.P. screw reversing & H.P. expansion gear	Engine No.10,000	25/04/1933
15396	Universal joint & flanges for H.P. expansion gear	Engine No.10,000	05/05/1933
15398	Bracket for steam brake valve	Class K-3	08/05/1933
15399	Alteration to draw gear (link added to avoid weld)	Tank engine with long bars	08/05/1933
15400	Cylinder water cock details	Engine No.10,000	09/05/1933
15401	Bracket for Smith speed indicator	Class D-49 pt2	11/05/1933
15402	Arrangement of circulating pipes	Engine No.10,000	12/05/1933

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Drawing No.	Title	More Info	Date
15403	Alteration to vacuum pipe & handrail to suit tablet exchange apparatus	Class D-49	15/05/1933
15404	Door to inspection hole of centre cylinder motion	Class A-1, K-3	15/05/1933
15406	Alteration to spring adjusting screw and nut to give extra rail clearance	J39	May-33
15407	Facing plates for bottom of drag casting for vacuum brake	Class D-49 pt2 last 5 engines	19/05/1933
15408	Details for vacuum brake	Class D-49 pt2 1930 last 5 engines	19/05/1933
15409	Arrangement of cylinder water cock gear	Engine No. 10,000	23/05/1933
15412	Alteration to cylinder cock & sanding handles	Class B-17 1932 builds	30/05/1933
15414	Details for vacuum brake	4200 gallons tender	01/06/1933
15422	Details of vacuum ejector bracket	Engine No. 10,000	12/06/1933
15423	Frame arrangement	Group standard tender 4200 gallons	Jun-33
15424	Standard pipe flanges for pressures up to 450 lbs.	Engine No. 10,000	13/06/1933
15425	Feed water connection (exhaust injector)	Class D-49 pt2 1930 last 5 engines	14/06/1933
15430	Arrangement & details of vacuum reservoir	Group standard tender	16/06/1933
15434	Bracket, steam pipe flange & unions for steam brake valve	Engine No. 10,000	24/06/1933
15435	Elbow connection for vacuum ejector	Class D-49	26/06/1933
15436	Arrangement of vacuum brake	4200 gallons group standard tenders	26/06/1933
15438	Vacuum valve for fog signal apparatus		05/07/1933
15442	Cylinder & exhaust pipe joints	Clayton rail coach	18/07/1933
15443	Bronze crosshead	Clayton rail coach	20/07/1933
15446	Stiffening angle for well ends for 4200 gallon tender	4200 gallons tender	24/07/1933
15447	Brackets for pressure gauges	C7 PT2 rotary	Jul-33

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Drawing No.	Title	More Info	Date
15450	Sketch showing lengthened nut for breeches pipe joint	Clayton rail coach	01/08/1933
15451	Sand pipe clips	Class C-7 pt2 rotary	02/08/1933
15456	Arrangement of vacuum brake, train heating & feed pipes	Class C-7 pt2 rotary	16/08/1933
15457	Detail of headers for back water drums	Engine No. 10,000	16/08/1933
15458	Detail of back water drums	Engine No. 10,000	17/08/1933
15459	Detail of front water drums	Engine No. 10,000	17/08/1933
15461	Arrangement of superheater element joint, ball joint	Class C-7, b-16	17/08/1933
15464	Details of boiler casing	Engine No. 10,000	14/08/1933
15465	Arrangement & details of Duplex cut off indicator, traced from drg No. 28990-E	Engine No. 10,000	24/08/1933
15466	Relative position of smoketubes to header - Schmidt's with ball joints	Class C-7, B-16	24/08/1933
15467	Arrangement of ashpan drop grate	Engine No. 10,000	24/08/1933
15468	Ashpan mounting arrangement & details	Engine No. 10,000	24/08/1933
15469	Reaming & countersinking tool for Schmidt header		25/08/1933
15470	Feed water cock & details (tender)	Class C-7 pt2 rotary	28/08/1933
15473	Proposed superheater between H.P. & L.P. cylinders	Engine No. 10,000	04/09/1933
15474	Copper joint in steam chest covers	Class B-17	06/09/1933
15480	Coupling rods	Hull & Barnsley J class 4-4-0 Kitson contract drawing No 85 now recorded as D-24 class	Sep-33
15484	Alteration to spark arrester	Sentinel rail coach	20/09/1933
15485	Piston valve with restrained ring	Class Q-6	21/09/1933
15488	Arrangement of pipes between smokebox & cylinders for intermediate superheater	Engine No. 10,000	26/09/1933

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15489	Alteration to bunker end and water scoop trunk to facilitate lifting	A5	Sep-33
15491	Internal pipes in boiler, copper	Class B-15, Q-6	02/10/1933
15492	Alteration to bunker end to facilitate lifting	Class H-1	02/10/1933
15494	Internal pipes in boiler (copper)	Class J-26, J-27	04/10/1933
15495	Alteration to bunker end to facilitate lifting	Class A-7	04/10/1933
15496	Alteration to bunker ends to facilitate lifting	Class G-5 etc.	09/10/1933
15497	Bronze unions for internal copper pipes in boilers	Standard	09/08/1933
15498	Spring hangar bracket	D49 pts 1,2 & 3	Oct-33
15503	Universal joint for operating rods (hand reverse) (companion flanges)	Engine No. 10,000	12/08/1933
15504	Combined blast pipe & blower	Sentinel rail coach	16/10/1933
15506	Wood platform	H & B Class L LNER Class J28 YEC contract no 74	Oct-33
15509	Sandbox details	H & B Class L LNER Class J28 YEC contract no 40	Oct-33
15515	Boiler steadying key, Engine No. 245?	Class D-49	06/11/1933
15517	Arrangement of exhaust and footstep injectors	B16	Nov-33
15519	Water scoop details (tender)	Class C-7 pt2 rotary	08/11/1933
15522	Arrangement of water scoop	C7 rotary	Nov-33
15523	Drag casting	Class D-49 pt2 1934	16/11/1933
15524	Shield for speed indicator gear	Class D-49 pt2	17/11/1933
15525	Frame stay	Class D-49 pt2 1934	18/11/1933
15527	Lenticular ring for breeches pipe joint	Clayton rail coach	21/11/1933
15528	Arrangement of spring gear	D49 pts 1,2 & 3	Nov-33

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15529	Cylinders	Class D-21	23/11/1933
15530	Steam brake connections		27/11/1933
15531	Cylinders	Class D-49 pt2 1934	29/11/1933
15533	Leading and trailing axlebox	J39	Oct-33
15534	Driving axlebox	J39	Oct-33
15537	Safety device to prevent enginemen slipping when having to stand on boiler top	Sentinel rail coach	07/12/1933
15538	Frame template	Class D-49 pt2 1934	08/12/1933
15539	Modification to trailing splashers & extra frame stay	D49	Dec-33
15542	Proposed arrangement of intermediate superheater supports	Engine No. 10,000	12/12/1933
15543	Brick arch	Class B-17	13/12/1933
15545	Circulating pipes for intermediate superheater	Engine No. 10,000	16/12/1933
15546	Wakefield's axlebox lubricator, fountain type		20/12/1933
15547	Mild steel supports for intermediate superheater	Engine No. 10,000	21/12/1933
15548	Cast steel supports & guides for intermediate superheater	Engine No. 10,000	21/12/1933
15549	Frame stay, trailing end	Class D-49	22/12/1933
15550	Arrangement of pivot & bogie centre lubrication	Sentinel rail coach (2 cylinder type)	22/12/1933
15552	Stop washer on brake screw (with columns to drg No. 20813)	Group standard tender	23/12/1933
15553	Cover plate & cast iron cover for steam pipes	Engine No. 10,000	28/12/1933
15556	Boiler steadying stay support	Class D-49 pt2 1934	04/01/1934
15557	Details for bogie centre lubrication	Sentinel rail coach	04/01/1934

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15559	Spring hanger bracket	D49	Jan-34
15560	Expansion bracket & clip	Class D-49, 1934	09/01/1934
15561	Valve covers & valve spindle bushes	Class D-49, 1934	11/01/1934
15562	Details for drain for intermediate superheater	Engine No. 10,000	11/01/1934
15563	Arrangement of spring gear 4' - 0" centres loaded	D49 pt 2	Jan-34
15564	5" bore cast steel pipe for intermediate superheater	Engine No. 10,000	15/01/1934
15565	Arrangement of Wakefield axlebox lubrication	D49 pt 2	Jan-32
15566	Support for 5" bore pipes in 8' box - intermediate superheater	Engine No. 10,000	16/01/1934
15567	Clothing for steam pipes - intermediate superheater	Engine No. 10,000	16/01/1934
15568	Valve seats, exhaust valve cover flange, screws etc.	Class D-49 pt2 1934	16/01/1934
15570	Combined boiler top & funnel base	Sentinel rail coach	18/01/1934
15572	Arrangement & details of feed check valve & water heater	Engine No. 10,000	18/01/1934
15574	Arrangement of intermediate superheater headers	Engine No. 10,000	22/01/1934
15575	Detail of intermediate superheater headers	Engine No. 10,000	22/01/1934
15576	Brackets for water scoop shaft	All group standard tenders after 1/1/34	22/01/1934
15577	Water scoop castings	All group standard tenders after 1/1/34	23/01/1934
15579	Clothing for boiler top & funnel base	Sentinel rail coach	25/01/1934
15581	Arrangement of combined boiler top & funnel base	Sentinel rail coach	30/01/1934
15582	Details for water scoop	3570 & 4200 galls standard tenders built after 1/1/34	31/01/1934
15583	Superheater coils	Sentinel rail coach	01/02/1934

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15585	Axlebox coverplate angle & bracket for fountain lubricator	D49 pt 2	Feb-34
15586	Coupling rods (nickel chrome steel)	Class A-2	02/02/1934
15589	Branch pipe, cast iron cover, distance piece, etc	Class D-49 pt2 1934	05/02/1934
15590	Smokebox steam pipes	Class D-49 pt2 1934	07/02/1934
15591	Cab and splashers	Class D-49 pt2 1934	09/02/1934
15592	Outside valvebox clothing	Class D-49 pt2 1934	12/02/1934
15593	Outside connecting rod (nickel chrome steel)	Class A-2	14/02/1934
15596	Arrangement of water scoop	Group standard tender 4200 gallons	Feb-34
15597	Inside connecting rod (nickel chrome steel)	Class A-2	17/02/1934
15598	Inside valvebox clothing	Class D-49 pt2 1934	17/02/1934
15600	Distance piece for steam pipe	Class J-39, 1934 builds	22/02/1934
15700	Steam pipe connections and glands	Class B-17, 1934 builds	22/02/1934
15701	Standard turnbuckles for brake gear	Standard	23/02/1934
15705	Regulator head	Class D-49 pt2 1934, B-17 1934	28/02/1934
15706	Regulator valves	Class D-49 pt2 1934, B-17 1934	28/02/1934
15707	Regulator details	Class D-49 pt2 1934, B-17 1934	28/02/1934
15708	Regulator stuffing box	Class D-49 pt2 1934, B-17 1934	28/02/1934
15709	Regulator handles and brackets	Class D-49 pt2 1934, B-17 1934	28/02/1934
15711	Stay heads	Class B-17	01/03/1934
15712	Frame arrangement and motion	Class D-49 pt2 1934	05/03/1934
15713	Stop for spring link pin	Class A-1, A-2, K-3	06/03/1934
15716	Arrangement for warming steam brake cylinder	Class A-2, B-15, C-7 etc.	06/03/1934
15718	Camshaft & keys	Class D-49 pt2 1934	07/03/1934
15719	Reversing screw	Class D-49 pt2 1934	07/03/1934

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Drawing No.	Title	More Info	Date
15720	Crosshead (for engines with Nickel-Chrome connecting rods)	Class A-2	07/03/1934
15722	Camshaft arrangement & modification to reversing screw	Class D-49 pt2 1934	08/03/1934
15724	Alteration to A-2 tender to suit J-37/34		09/03/1934
15725	J.A.B. piston valve	Class A-2	10/03/1934
15726	Returning crank	Class D-49 pt2 1934	10/03/1934
15727	Arrangement of return crank gear box	Class D-49 pt2 1934	10/03/1934
15728	Return crank gear box	Class D-49 pt2 1934	10/03/1934
15732	Steam chest covers, T.A.B. piston valve	Class A-2	12/03/1934
15733	Hornblocks & hornstays for driving & trailing axleboxes	D49 pt 2	Mar-34
15734	Leading driving & trailing coupled springs & spring gear details	B17, B2	Jun-34
15735	Smokebox steam pipes	Class B-17, 1934	13/03/1934
15736	Details of inspection door & cover	Class B-17, 1934	13/03/1934
15737	Seating for inspection door & cover	Class B-17, 1934	13/03/1934
15738	Boiler arrangement	Class B-17, 1934	13/03/1934
15739	Boiler arrangement plan & end view	Class B-17, 1934	13/03/1934
15740	Firebox	Class B-17, 1934	13/03/1934
15741	Firebox end view	Class B-17, 1934	13/03/1934
15742	Piston rods (for engines with Nickel Chrome connecting rods)	Class A-2	13/03/1934
15743	Crank pins (for engines with Nickel Chrome connecting rods)	Class A-2	13/03/1934
15747	Bevel gear casing & gears	Class D-49 pt2 1934	16/03/1934
15752	Forward exhaust cams LH & RH	Class D-49 pt2 1934	20/03/1934
15753	Forward exhaust cam, centre	Class D-49 pt2 1934	20/03/1934
15754	Backward exhaust cams LH & RH	Class D-49 pt2 1934	20/03/1934



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15755	Backward exhaust cam, centre	Class D-49 pt2 1934	20/03/1934
15757	Wakefield axlebox lubricator, Fountain type	3 feeds ½ gallon capacity	22/03/1934
15758	Valve gear details	Class D-49 pt2 1934	23/03/1934
15759	Smokebox arrangement	Class D-49 pt2 1934	23/03/1934
15761	Arrangement of cylinder & valvebox clothing	Class D-49 pt2 1934	26/03/1934
15763	Alteration to type A-2 drag beam to suit G.N. type tender	Standard sheet	27/03/1934
15765	Centre bearing between engine & tender	Ordering tracing superseded by PC11710	04/04/1934
15770	Modifications to engine fitted with modified steam & exhaust cams	Class D-49 pt2 1934	06/04/1934
15772	Intermediate draw gear	Class A-2	09/04/1934
15773	Sectional arrangement through LH outside cylinder steam valve	Class D-49 pt2 1934	09/04/1934
15774	Sectional arrangement through centre cylinder steam valve	Class D-49 pt2 1934	09/04/1934
15775	Sectional arrangement through LH outside cylinder exhaust valve	Class D-49 pt2 1934	09/04/1934
15779	Alteration to type A-2 drag beam to suit G.N. type tender	Class A-2	13/04/1934
15780	Arrangement of screw reversing gear	Class A-2, engine Nos. 2400, 2401, 2402, 2403	13/04/1934
15781	Adapter at back of cylinders for release valve	Class A-2	13/04/1934
15783	Intermediate & reversing shaft in cab	Class A-2, engine Nos. 2400, 2401, 2402, 2403	16/04/1934
15784	Standard oil cup covers S-298N	Standard, superseding drg No. 11050	16/04/1934
15785	Return crank gear box details	Class D-49 pt2 1934	16/04/1934
15786	Alteration to doors between engine and tender	A2	Apr-34

Darlington Locomotive Drawings List

Drawing No.	Title	More Info	Date
15788	Alteration to doors between engine and tender	J39	Apr-34
15790	Alteration to fall plates and wood platform	J39	Apr-34
15791	Arrangement of cylinder water cock lever in cab	Class A-2 pt2 engine No. 2404	24/04/1934
15792	Cylinder water cock details, sheet 2	Class A-2 pt2 engine No. 2404	24/04/1934
15793	Alteration to fall plates and wood platform	A2	Apr-34
15794	Crankshaft bearing bush, booster	Class C-9	25/04/1934
15795	Water gauge adapted to Klingers patent sleeve packed with W-418N GMP standard	Standard	25/04/1934
15796	Connecting rod bush, booster	Class C-9	16/04/1934
15797	Axle bearing bush, booster	Class C-9	27/04/1934
15798	Spark arrester	Class J-71	27/04/1934
15799	Piston ring (10½"), booster	Class C-9	27/04/1934
15800	"Yarrow Gresley" water tube boiler for L.N.E.R. outer casing (outside view)		30/04/1934
15801	"Yarrow Gresley" water tube boiler for L.N.E.R. boiler outer casing (sections)		30/04/1934
15802	"Yarrow Gresley" water tube boiler for L.N.E.R. boiler outer casing (framing arrangement)		30/04/1934
15803	Boiler outer casing details		30/04/1934
15804	Arrangement of boiler inspection doors, G.N. drg No. N769N	Class A-2 etc.	30/04/1934
15805	Arrangement of boiler inspection doors (G.N. drg No. N 770N)	Class J-28 etc	30/04/1934
15807	Detail of inspection door & cover (G.N. drg No. N 749N)		30/04/1934

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Drawing No.	Title	More Info	Date
15808	Seating pad for large inspection door (G.N. drg No. N754N)		30/04/1934
15809	Cylinder cocks, booster	Class C-9	30/04/1934
15810	Wood platform in cab	D49 pt 2	May-34
15815	Water drain ring spring, booster	Class C-9	04/05/1934
15816	Intermediate sandbox	Class B-17/34	07/05/1934
15817	Intermediate sandbox details	Class B-17/34	07/05/1934
15818	Alteration to steadying arrangement of injector overflow pipe (J40YN)	Class K-3	07/05/1934
15819	Water scoop details	4200 gallon group standard tender	09/05/1934
15821	Brackets for water scoop shaft	4200 gallon group standard tender	11/05/1934
15823	Sandbox details	Class J-21, J-25, N-8, N-9, N-10	11/05/1934
15829	Bearing spring for booster & tender bogies	Sentinel loco	18/05/1934
15832	Wood platform	Class B-16, C-7	19/05/1934
15832	Wood platform	B17	Dec-34
15833	Safety catch for locking bar	Class B-17, 1934	22/05/1934
15834	Front sandbox	Sentinel rail coach, 2 cylinder type	23/05/1934
15840	Bearing spring details	Engine No. 10,000	04/06/1934
15841	Brakeshaft carrier & spring hanger bracket & cross stay, 4'-0" springs	Class C-9	04/06/1934
15842	Coupled axlebox	B17	Jun-34
15843	Operating gear for cylinder cocks & sanding	Class B-17, 1934	05/06/1934
15845	Leading hornblock and horn stay	B17	Mar-34
15846	Driving & trailing hornblocks and stays	B17	Apr-34
15854	Alteration to reversing shaft arm (Doncaster drg K-393N)	Class B-17	11/06/1934
15855	Frame stretcher in front of firebox	Class B-17, 1934	11/06/1934

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15856	Frame arrangement, frame template part copy	Class B-17, 1934	12/06/1934
15857	Water scoop top casting & detail of tank well stiffening plate	Class B-17, 1934	12/06/1934
15858	Vacuum brake gear details	Class B-17, 1934	13/06/1934
15860	Frame stay & vacuum brake cylinder support	Class B-17, 1934	15/06/1934
15861	Gauge carriers	Class B-17, 1934	20/05/1934
15862	Vacuum brake gear details (tender) sheet 1	Class B-17, 1934	25/06/1934
15863	Vacuum brake gear details (tender) sheet 2	Class B-17, 1934	29/06/1934
15864	Vacuum brake gear details (tender) sheet 3	Class B-17, 1934	29/06/1934
15865	Arrangement of Wakefield fountain type axlebox lubricator	B17	Jun-34
15867	Water scoop details	Class B-17, 1934	05/07/1934
15870	Vacuum ejector & fountain lubrication brackets, new drg to same no.	Class B-17, 1934	06/07/1934
15871	Bogie Arrangement (with centre casting to drg No. 11922-1)	Class B-17, 1934	09/07/1934
15874	Top cover for coupled axlebox	B17	Jul-34
15876	Standard details for axlebox lubrication Wakefield fountain type lubricator	B17, B15, C6, C7, D20, D49, J39	Jul-34
15877	Cylinder water cock details	Class B-17, 1934	16/07/1934
15882	Axlebox oil pipe guides	B17, J39, B2	Aug-34
15886	Smokebox arrangement	Class B-17, 1934	20/07/1934
15887	Combined spring bracket & frame stay in front of trailing wheel	Class B-17, 1934	19/07/1934
15892	Boiler 5'9" diameter	B16, C7	Jul-34

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Drawing No.	Title	More Info	Date
15893	Forward steam cams LH & RH, ALE's No. 20/3318	Class D-49 pt2 1934	30/07/1934
15894	Forward steam cam, centre ALE's No. 20/3319	Class D-49 pt2 1934	30/07/1934
15895	Backward steam cams LH & RH ALE's No. 20/3320	Class D-49 pt2 1934	30/07/1934
15896	Backward steam cam, centre ALE's No. 20/3321	Class D-49 pt2 1934	30/07/1934
15897	Alteration to brake pipes in cab	Class A-2	03/08/1934
15898	Alteration to slide bar fastening at cylinder outside	Class D-49, B-17	03/08/1934
15903	Reservoir hoops & supports	Class B-17, 1934	09/08/1934
15906	Front fall plate for cylinders with exhaust passages	Class J-39	10/08/1934
15907	Alteration to slide bar fastening at cylinders (outside)	Class K-3	13/08/1934
15911	Trailing sandbox details	Class B-17, 1934	30/08/1934
15912	Bogie centre castings	Class B-17, D-49	30/08/1934
15914	Arrangement of Wakefield axlebox lubricator	Class B-17, 1934	01/09/1934
15915	Frame plate (particular drilling only)	Class K-3 (conversion to LH drive), engine Nos. 28,33,36,38,39,46,52,53	05/09/1934
15916	Pipe clips (tender)	Class B-17, 1934	05/09/1934
15918	Exhaust injector carrier	Class B-17, 1934	11/09/1934
15919	Frame stay	Class B-17, 1934	12/09/1934
15920	Ejector release valve (see Doncaster order tracing J-459), Gresham's drg 11367/34	Standard	12/09/1934
15922	Elbow for exhaust injector	Class B-17, 1934	17/09/1934
15924	Frame arrangement plan	Class B-17, 1934	21/09/1934

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15926	Arrangement & details of whistle gear (N.E. area engines)	Standard (N.E. Area engines)	25/09/1934
15927	Adapter for ejector release valve, G.N. drg No. J-429N	Class C-9, D-49, J-39, A-8, B-17, etc.	25/09/1934
15928	Boiler (boiler diagram 59A)	D20	Oct-34
15930	Angle ring, boiler barrel	Class D-20/34	25/09/1934
15931	Brake gear new K-3/6 engines, sketch showing clearance	Class K-3/6	28/09/1934
15935	Sketch shewing relative position of tender fall plates	Class J-38, J-39, D-49, K-3	02/10/1934
15940	Arrangement of firebox back	Class B-17, 1934	18/10/1934
15942	Pipe & rod arrangement	Class B-17, 1934	19/10/1934
15944	Arrangement of vacuum brake & train heating pipes	A7	Oct-34
15945	Arrangement of vacuum brake & train heating pipes	A7	Oct-34
15954	Alteration to reducing valve on Gresham Craven ejector (G.N. J-437N & J-462N)	Standard	26/10/1934
15956	Casing over exhaust passages (G.N. drg No. I-534N)	Class K-3	27/10/1934
15959	Adapters & hose couplings, for shed washout pipes	Standard	03/11/1934
15960	Intermediate sandbox	Class B-17, B-17/32	05/11/1934
15961	Inside connecting rod	K3 Armstrong whitworth & Co drawing no 99; see drawing date November 1935 same number	Aug-35
15961	Inside connecting rod	K3	Nov-35
15963	<sup>3</sup> / <sub>4</sub> " Reversible short hose connection, Class "F" vacuum cylinders	Class B-17/34	08/11/1934
15965	Elbow connection for vacuum ejector	Class B-17/34	09/11/1934
15966	Boiler. Diagram 63C	A6,A7,A8,T1	Apr-35
15967	Sandpipe clips	Class B-17/34	14/11/1934

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
15973	Arrangement & details of welded sandboxes	Diesel electric rail bus	16/11/1937
15974	Flange for vacuum train pipe	Class D-49	19/11/1934
15975	Injector pipe clips	Class B-17/34	20/01/1934
15977	Smokebox arrangement	Class J-27	21/01/1934
15979	Brake details (vacuum brake)	Class A-2	23/11/1934
15980	Steam heating & lubrication pipes	Class B-17/34	23/11/1934
15981	Frame stay, engines with vacuum brake	Class A-2	23/11/1934
15986	Vacuum train pipe clips	Scrapped, Class B-17/34	26/11/1934
15991	Boiler steadying stay support	Class J-39/35	03/12/1934
15993	Pipe arrangement of air sanding for driving wheels	Diesel electric railbus	Dec-34
15994	Blast pipe	Class J-27	04/12/1934
15996	Filling in piece for smokebox	Class J-27	07/12/1934
15997	Stand for steam valves	Class D-20/34	10/12/1934
16008	Back piston valve cover for engines with enlarged exhaust passages	Class J-39	20/12/1934
16009	No.8-10 Injector type H.P. (Left Hand), Metcalfe's patent D & M No. 7882	Engine No. 10,000	20/12/1934
16010	No.8-10 Injector type H.P. (Right Hand), Metcalfe's patent D & M No. 7696	Engine No. 10,000	20/12/1934
16011	Arrangement of steam heating pipe	Class D-49	21/12/1934
16012	Arrangement of vacuum brake, proposed	Class J-39/35	28/12/1934
16013	Dragbox with boiler steadying bracket cast on	K3	Feb-34
16013	Dragbox with steadying bracket cast on	K3 Armstrong Whitworth & Co drawing no 77	Aug-35
16016	Boiler with welded barrel supplied by Babcock & Wilcox Ltd	J39	Jan-35
16017	Brakeshaft carrier & spring hanger bracket	Class J-39	14/01/1935

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Drawing No.	Title	More Info	Date
16018	Axlebox cover plate angle & bracket for fountain lubricator	J39	Jan-35
16019	Cast Iron superheater header, renewals	Class J-39/35, D-49	16/01/1935
16020	Lamp irons (drg No. 5660B)	Engines in Scottish area, Standard	17/01/1935
16023	Arrangement of Wakefield axlebox lubricator fountain type	J39	Jan-35
16024	Frame template	Class J-39/35	24/01/1935
16025	Details for vacuum brake	Class J-39/35	24/01/1935
16026	Arrangement of drag castings	Class J-39/35	26/01/1935
16028	Spring hanger bracket and detail	J39	Feb-35
16030	Smokebox arrangement	Class J-39/35	31/01/1935
16031	Clothing arrangement	Class J-39/35	05/02/1935
16032	Method of fitting new coupling rod bolts (G.N. drg No. 34-91N)	Class K-3 repairs	05/02/1935
16036	Lubrication union & pipe for steam chest covers (engines with mechanical lubrication)	Standard	07/02/1935
16040	Arrangement of vacuum brake & exhaust injector	Class A-2 pt2	13/02/1935
16045	Brake cylinder brackets (vacuum), welded	Standard	20/02/1935
16046	Washout & fusible plugs	Cancels 11030, Standard	20/02/1935
16048	Brake shaft carrier and spring hanger bracket	J39	Feb-35
16049	12 feed oil box (centralised lubrication), 2¼ pint capacity	Class J-39-35	27/02/1935
16051	Diagram of water gauge nuts	N.E. Area	06/03/1935
16052	Arrangement of ashpan, welded type	Class J-39/35	06/03/1935
16053	Arrangement of vacuum brake & exhaust injector	Class A-2, engine Nos. 2402,2403	06/03/1935
16058	Frame arrangement	Class D-20 rebuild	08/03/1935



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Drawing No.	Title	More Info	Date
16059	Arrangement of ashpan, rivetted type	Class J-39/35	08/03/1935
16060	Blast pipe	Class B-17/1935	09/03/1935
16061	Welded brackets for water scoop shaft, 3500 & 4200 gallon tenders	Class J-39/35	12/03/1935
16062	Arrangement and details of centralised lubrication	J39	Mar-35
16063	Arrangement and details of centralised lubrication	B17	Mar-35
16064	Frame arrangement	Class J-39/35	12/03/1935
16066	Exhaust injector details	Class A-2	14/03/1935
16067	10" dia piston valve, spindle & liner	Class D-20 rebuilds	15/03/1935
16069	Ashpan details	Class J-39/35	15/03/1935
16070	Trailing sandbox & toolbox in cab	Class J-39/35	16/03/1935
16071	Arrangement of vacuum brake & exhaust injector	Class A-2, engine Nos. 2400,2401	16/03/1935
16073	Expansion link	Class D-20 rebuilds	18/03/1935
16074	Flange for tank drain	Class B-17/34	18/03/1935
16076	Blast pipe top	Engine No. 10,000	19/03/1935
16077	Welded back sandbox	Class B-17/34	20/03/1935
16078	Reversing shaft	Class D-20 rebuilds	21/03/1935
16080	Exhaust injector details	Class J-39/35	26/03/1935
16081	Valve spindle crosshead & connecting link	Class D-20 rebuilds	27/03/1935
16082	Double chimney	Engine No. 10,000	27/03/1935
16083	Arrangement & details of mechanical lubrication for cylinders Wakefield lubricator	J39	Mar-35
16084	Bronze unions for exhaust injector	Standard	29/03/1935
16085	Setting pieces for cowls, double chimney	Engine No. 10,000	01/04/9135
16086	Boiler, interchangeable	Class J-39 & D-49	02/04/1935

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Drawing No.	Title	More Info	Date
16086	Injector details	Class J-39/35	03/04/1935
16087	Firebox	Class J-39 & D-49	02/04/1935
16092	Cab & splashers	Class D-20, rebuild	05/04/9135
16093	Front drag casting - 4200 gallon tender with G.E. intermediate buffers	Class B-17	06/04/1935
16094	Arrangement of doors between engine & tender	Class B-17	06/04/1935
16096	Arrangement of double blast pipe & chimney	Engine No. 10,000	08/04/1935
16097	Arrangement and details of vacuum reservoir	5000 galls GN tender A2	Apr-35
16098	Cover for double chimney	Engine No. 10,000	10/04/1935
16099	Flanges for steam heater train pipe	Class B-17/34	11/04/1935
16100	Blower ring & tee piece	Engine no. 10,000	12/04/1935
16102	Proposed strengthening of frame, engine No. 1345	Class K-3	16/04/1935
16106	Blower union in smokebox	Class J-39 & D-49	18/04/1935
16108	Stays for cylinder cock & sanding rods	Class B-17/34	26/03/1935
16110	Frame arrangement	Group standard tender (3500 gallons)	29/03/1935
16117	Catch for water scoop handle	Group standard tender	13/05/1935
16119	Arrangement of vacuum brake, feed water connections and train heating	Group standard tender	13/05/1935
16121	Pipe & rod arrangement	Class J-39/35	21/05/1935
16122	Firebars	Engine No. 10,000	21/05/1935
16125	Arrangement of firebars	Engine No. 10,000	24/05/1935
16126	¾" Steam brake valve Mark "3" type	Standard	25/05/1935
16128	Pipe clips	Class J-39/35	29/05/1935
16131	Reversing rod & guide	Class D-20 rebuild	03/06/1935
16132	Coupling & safety links & pins	Class B-17/35	03/06/1935

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16133	Bogie dust shields	Class B-17/35	04/06/1935
16134	Bogie bearing details and spring	B17	Jun-35
16136	Intermediate tender buffer & spring	Class B-17/35	11/06/1935
16139	Intermediate hornblock and horn stay	B17	Jul-35
16140	New frame end & cover plates	Class K-3	15/06/1935
16141	Trailing hornblocks for engines with new frame end & cover plates	Class K-3	16/06/1935
16143	Cylinder cock & release valve, X-487 Doncaster true to scale tracing	Class B-17/35	18/06/1935
16145	Tank details for water scoop (Group standard tender)	Group standard	18/06/1935
16147	Motion details and reversing link	K3 Armstrong Whitworth & Co drawing no105	Jun-35
16148	Cross head arm and lever	K3 Armstrong Whitworth & Co drawing no 106	Jun-35
16150	Blast pipe cap	Class B-17/35 (31634E)	26/06/1935
16151	Piston & cylinder cover	Class B-17/35	26/06/1935
16151	Piston rod	Class B-17/35	26/06/1935
16153	Outside cylinder cover casing	Class B-17/35	26/06/1935
16155	Blower ring	Class B-17/35	28/06/1935
16156	Cylinder drain cock gear details	K3 Armstrong Whitworth & Co drawing no 95	Jun-35
16157	Firebox sling stays	K3 Armstrong Whitworth & Co drawing no 31	Jun-35
16158	Ash pan details	K3 Armstrong Whitworth & Co drawing no 34	Jun-35
16159	Inside valve spindle crosshead & steam chest liners, contract drg No. 93	Class K-3/34, K-3/35	29/06/1935
16160	Foundation ring and firebar carriers	K3 Armstrong Whitworth & Co drawing no 25; see also drawings 16173 and 16306	Jun-35

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Drawing No.	Title	More Info	Date
16161	Steam stand and safety valve seating	K3 Armstrong Whitworth & Co drawing no 18	Jun-35
16162	Engine and tender drain hooks	K3 Armstrong Whitworth & Co drawing no 86	Jun-35
16164	Seatings on firebox back	K3 Armstrong Whitworth & Co drawing no 19	Jul-35
16166	Deflector and protector plates	K3 Armstrong Whitworth & Co drawing no 27; see drawing N-898	Jul-35
16169	Boiler stays, diagonal stays, palm stays & tee bars	K3 Armstrong Whitworth & Co drawing no 13	Jul-35
16170	Side buffers and front draw bar plate	K3 Armstrong Whitworth & Co drawing no 84	Jul-35
16171	Engine brake gear (vacuum)	K3 Armstrong Whitworth & Co drawing no 130	Jul-35
16172	Firedoor details, ejector bracket and gauge carriers	K3 Armstrong Whitworth & Co drawing no 63	Jul-35
16173	Drop grate details	K3 Armstrong Whitworth & Co drawing no 36; see also drawings 16160 and 16306	Jul-35
16174	Arrangement of water scoop with deflector	5000 galls GN tender A2	Jul-35
16175	Details of scoop gear with water deflector	5000 galls GN tender A2	Jul-35
16176	Details of water deflector for water scoop	5000 galls GN tender A2	Jul-35
16177	Leading sandbox gear details	K3 Armstrong Whitworth & Co drawing no 148	Jul-35
16178	Reversing rod, screw and reversing shaft	K3 Armstrong Whitworth & Co drawing no 113; for details of items 69-80, except item 76, see drawing K-318; no 76, see K-439.	Jul-35
16179	Reversing gear details	K3 Armstrong Whitworth & Co drawing no 112; see drawing K-333	Jul-35
16180	Water scoop bracket	Group standard tender, Class B-17/35	05/07/1935

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16181	Injector flanges and details	K3 Armstrong Whitworth & Co drawing no 57	Jul-35
16185	Proposed slacker cock, pipe & connections, G.N. drg W493N	Certain engines	11/07/1935
16188	Whistle, steam valve and gear	K3 Armstrong Whitworth & Co drawing no 62	Jul-35
16189	Cast steel saddle for smokebox	Class D-21 rebuilds	13/07/1935
16190	Smoke box door and details	K3 Armstrong Whitworth & Co drawing no 39	Jul-35
16191	Smokebox details	K3 Armstrong Whitworth & Co drawing no 40	Jul-35
16192	Handrails and pillars	K3 Armstrong Whitworth & Co drawing no 20	Jul-35
16193	Water scoop castings with deflector	Group standard tender 4200 gallons	15/07/1935
16195	Expansion angle and throat plate	K3 Armstrong Whitworth & Co drawing no 16	Jul-35
16196	Handrails for cab	Class B17/35	17/07/1935
16197	Pipe clips & hangers	Group standard tender	17/07/1935
16200	Washout seatings and plugs	K3, 34 35 Armstrong Whitworth & Co drawing no 17	Jul-35
16201	Regulator stuffing box	K3/34/35/39 Armstrong Whitworth & Co drawing no 50	Jul-35
16202	Regulator quadrant brackets and levers	K3/34/35/39 Armstrong Whitworth & Co drawing no 51	Jul-35
16203	Regulator elbow steam pipe etc	K3/34/35/39 Armstrong Whitworth & Co drawing no 49	Jul-35
16204	Regulator head and valves	K3/34/35/39 Armstrong Whitworth & Co drawing no 48	Jul-35
16205	Piston, piston rod & slide bars	Class K-3/34, K-3/35	19/07/1935
16206	Blast pipe and top	K3/34 35 Armstrong Whitworth & Co drawing no 44	Jul-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16207	Driver's seat	Class B-17/35, superseded by drg No. C-Y 20-8-36	20/07/1935
16208	Steam stand	K3/34, 35, 39 Armstrong Whitworth & Co drawing no 58	Jul-35
16209	Steam cocks	K3/34, 35 K3 Armstrong Whitworth & Co drawing no 59	Jul-35
16210	Arrangement of bogie inspection doors, GN. Drg No. N-768N Boiler diagram Nos. 32,33, 15A, 99A, 96, 102	Class K-3	20/07/1935
16211	Cylinders	K3/35 Armstrong Whitworth & Co drawing no 88; patterns same as 10552-1	Jul-35
16212	Clothing pockets & cylinder lagging, Contract drg No.73	Class K-3/34, K-3/35	20/07/1935
16212	Clothing pockets and cylinder lagging	K3 Armstrong Whitworth & Co drawing no 73	Jul-35
16213	Arrangement of locking gear for reversing shaft	K3/34, 35 Armstrong Whitworth & Co drawing no 114; cancelled, see K-172	Jul-35
16215	Cylinder drain cocks release valve etc	K3/34, 35 K3/34, 35 Armstrong Whitworth & Co drawing no 94	Jul-35
16216	Miscellaneous carriers	Class B-17/35	23/07/1935
16217	Superheater header 32 elements	K3/34, 35 Armstrong Whitworth & Co drawing no 45; see later tracing I-543	Jul-35
16218	Front steam chest covers & centre hind steam chest cover	K3/34, 35 Armstrong Whitworth & Co drawing no 90 K4/37	Jul-35
16219	Hind steam chest covers & valve spindle metallic packing	K3/34, 35 Armstrong Whitworth & Co drawing no 91 K4/37	Jul-35
16220	Cylinder covers	K3/34, 35 K4/37 Armstrong Whitworth & Co drawing no 89	Jul-35
16221	Piston valves, contract No. 92	Class K-3/34, K-3/35	26/07/1935

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Drawing No.	Title	More Info	Date
16222	Frame stay at front of firebox	Class B-17/35	26/07/1935
16223	Frame template	B17	Jul-35
16224	Firebox fixings	K3	Jul-35
16225	Wood platform	B17	Jul-35
16227	Frame stay & vacuum brake cylinder support	Class B-17/35	01/08/1935
16228	Ross pop safety valves	Standard sheet (W-466N)	07/08/1935
16229	Layout of stays in firebox throatplate	Class J-39 & D-49	07/08/1935
16230	Cylinder water cock shaft & details	Class B-17/35	08/08/1935
16231	Coupled springs and spring gear	K3/34, 35 Armstrong Whitworth & Co drawing no 126	Aug-35
16232	Outside motion plate & radius link bracket & platform step	K3/34, 35 Armstrong Whitworth & Co drawing no 81	Aug-35
16233	Frame stay & motion bracket, inside motion bracket & inspection door	K3/34, 35 Armstrong Whitworth & Co drawing no 79	Aug-35
16234	Frame stay and pony truck castings	K3/34, 35 Armstrong Whitworth & Co drawing no 78; cancelled October 1936 - see original tracing	Aug-35
16235	Hornstay & hornblocks, contract drg No. 125	Class K-3/34, K-3/35	14/08/1935
16235	Hornstay and hornblocks	K3/34, 35 Armstrong Whitworth & Co drawing no 125	Aug-35
16237	Crank pins	K3/34, 35 Armstrong Whitworth & Co drawing no 120	Aug-35
16238	Built-up crank axle	K3/34, 35 Armstrong Whitworth & Co drawing no 119; cancelled. See drawing T220	Aug-35
16239	Driving wheels	K3/34, 35 Armstrong Whitworth & Co drawing no 117	Aug-35
16240	Leading and trailing wheels	K3/34, 35 Armstrong Whitworth & Co drawing no 118	Aug-35
16241	Crosshead oilbox and oil cup covers	K3	Aug-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16242	Method of renewing worn trunnions on cab side screens		Nov-34
16243	Internal pipes in boiler	Class G-5, 1935 builds	20/08/1935
16245	Pipe clips & hangers	Group standard tender 4200 gallons	20/08/1935
16246	Weights to balance coupled wheels	Class A-2	20/08/1935
16250	Firebox steadying bracket	K334,35,39 Armstrong Whitworth & Co drawing no 22; see N881	Aug-35
16252	Coupling rods, contract drg No. 103	Class K-3/34, K-3/35	27/08/1935
16252	Couplings rods	K3	Nov-35
16253	Pony truck wheels and axle	K3/34, 35 Armstrong Whitworth & Co drawing no 121	Aug-35
16254	Boiler arrangement	K3	Aug-35
16255	Firebox arrangement	K3	Aug-35
16256	Reversing gear bell crank bracket	K3/34, 35 Armstrong Whitworth & Co drawing no 111; cancelled, see K314	Aug-35
16257	Inside connecting rod and big end bush	K3/34, 35 Armstrong Whitworth & Co drawing no 101 Cancelled. See tracing S187	Aug-35
16258	Firedoor and details	K3/34, 35 Armstrong Whitworth & Co drawing no 26; cancelled, see Y1007; for future January 1950 see E174.	Aug-35
16259	Frame stays and angles	K3/34 Armstrong Whitworth & Co drawing no 80	Aug-35
16260	Leading sandbox	K3/34, 35 Armstrong Whitworth & Co drawing no 145	Aug-35
16264	Sandbox details and leading sandbox filler	K3/34, 35 Armstrong Whitworth & Co drawing no 149	Sep-35
16265	Steam sanding details and driving sand box	K3/34, 35 Armstrong Whitworth & Co drawing no 146	Sep-35
16266	Chimney and petticoat	K3/34, 35 Armstrong Whitworth & Co drawing no 41	Sep-35



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16267	Pony truck, axlebox and guides	K3/34, 35 Armstrong Whitworth & Co drawing no 124; cancelled & replaced by drawing No U325	Sep-35
16268	Pony truck springs etc	K3/34, 35 Armstrong Whitworth & Co drawing no 127	Sep-35
16269	Crosshead	K3/34, 35 Armstrong Whitworth & Co drawing no 98; see later tracing L74, September 1935	Sep-35
16271	Whistle	N.E boilers with steam stands	03/09/1935
16273	Roller bearings for valve gear	K3/34, 35 Armstrong Whitworth & Co drawing no 116	Sep-35
16274	Equal motion lever and adaptors	K3/34, 35 Armstrong Whitworth & Co drawing no 107	Sep-35
16275	Eccentric crank, piston rod cast iron packing & cover	K3/34, 35 Armstrong Whitworth & Co drawing no 96	Sep-35
16276	Large motion lever and details	K3/34, 35 Armstrong Whitworth & Co drawing no 108	Sep-35
16277	Eccentric rod	K3/34, 35 Armstrong Whitworth & Co drawing no 110	Sep-35
16279	Valves for steam stand 1/4", 1" & 3/4" oval flanges	For NE boilers with steam stand. 2 copies.	Sep-35
16280	Valves for steam stand 1/2", 3/8" & 1/4", oval flanges		06/09/1935
16280	Valves for steam stand 1/2", 3/8", 5/16", & 1/4" oval flanges	For NE boilers with steam stand	Sep-35
16281	Outside valve spindle crossheads	K3/34, 35 Armstrong Whitworth & Co drawing no 109	Sep-35
16282	Coupled axle boxes	K3/34, 35 Armstrong Whitworth & Co drawing no 122; cancelled. Replaced by drg U212 July 1936	Sep-35
16283	Coupled axle box oil trays	K3/34, 35 Armstrong Whitworth & Co drawing no 123; cancelled; replaced by drg U212 & U230 July 1936	Sep-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16284	Frame arrangement	Class B-17/35	13/09/1935
16285	Re-arrangement of mountings in cab	Engine No. 10,000	14/09/1935
16287	Details of main drive & reversing universal shafts	Class C-7 pt2 engine No. 2212	16/09/1935
16288	Details of shafting for main drive & reversing gear	Class C-7 pt2 engine No. 2212	18/09/1935
16289	Drivers seat	A2	Sep-35
16291	Cab side screens & engineman's seat	Class K-3/1935	20/09/1935
16292	Platform details	K3/34, 35 Armstrong Whitworth & Co drawing no 82	Sep-35
16294	Axlebox and cylinder lubrication details	K3/34, 35 Armstrong Whitworth & Co drawing no 65	Sep-35
16295	Cylinder lubrication details & pipe connections	K3/34, 35 Armstrong Whitworth & Co drawing no 66	
16296	Brake block for electric locomotives	Copy of Walker gate drg No. 440H14	25/09/1935
16301	Brick arch	K3/34, 35 Armstrong Whitworth & Co drawing no 30	Sep-35
16302	Steam pipe flanges & lens joint rings, G.N. drg I-511N	Class K-3/34, K-3/35	25/09/1935
16304	Cab front windows	K3/34, 35 Armstrong Whitworth & Co drawing no 141; see N304	Sep-35
16305	Cab side windows	K3/34, 35 Armstrong Whitworth & Co drawing no 142	Sep-35
16306	Firebars and dropgrate details	K3/34, 35 Armstrong Whitworth & Co drawing no 37	Sep-35
16307	Crosshead oilbox and oil cup covers	Class B-17/35	30/09/1935
16313	Frame outline	K3/34, 35 Armstrong Whitworth & Co drawing no 75	Nov-35
16314	Frame arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 76	Nov-35
16315	Cab arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 140	Oct-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16316	Engine brake arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 128	Oct-35
16317	Clothing arrangement	K3	Nov-35
16319	Valves and couplings etc	K3/34, 35 Armstrong Whitworth & Co drawing no 154	Oct-35
16320	Injector arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 52	Oct-35
16321	Details of miscellaneous brasswork	Class B-17/35	04/10/1935
16323	Frame stay	Class J-39	09/10/1935
16324	Pony truck arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 136	Oct-35
16325	Valves for steam stand 1/2", 3/8", 5/16" & 1/4", screw type	N.E. standard	11/10/1935
16325	Valves for steam stand screw type 1/2", 3/8", 5/16", & 1/4"	For NE boilers with steam stand	Oct-35
16326	Horn cheek lubrication, leading and driving	K3/34, 35 Armstrong Whitworth & Co drawing no 69	Oct-35
16327	Lubrication of trailing horn cheeks	K3/34, 35 Armstrong Whitworth & Co drawing no 70; see H5 and Y1029	Oct-35
16328	Grate arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 35	Oct-35
16329	Wheels axles – crane pins	Hull & Barnsley Class L LNER Class J 28 Kitson Contract Drawing No 58; for wheels see drawing 12418 on L tracing November 1924; for crank axle see drawing 11369 on L tracing	Oct-34
16330	Outside connecting rod G.N. drg No. S-314-1N	Class K-3/1935, K-3/1936	15/10/1935
16332	Frame arrangement, tender	Class D-20, rebuild	18/10/1935
16333	Motion arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 104	Oct-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16334	Reversing screw bracket	Class D-20, rebuild	21/10/1935
16336	Cylinders 20" dia x 26" stroke	Class J-39/36	25/10/1935
16338	Arrangement of firebars	Class J-39	25/10/1935
16339	Brake hanger bracket	3500 gallon group standard tender	28/10/1935
16341	Dome and casing	K3/34, 35 Armstrong Whitworth & Co drawing no 15; superseded with drawing No N804 June 1934	Oct-35
16342	Firebox cross stays and brackets	K3	Oct-35
16343	Firebox roof stays	K3/34, 35 Armstrong Whitworth & Co drawing no 29; same as drawing No 609-7	Oct-35
16346	Internal pipe arrangement	K3	Oct-35
16346	Internal pipe arrangement	K3/34, 35 Armstrong Whitworth & Co drawing no 21; cancelled see new tracing same No for 1935 builds	Oct-35
16348	Vacuum brake ejector pipes	K3/34, 35 Armstrong Whitworth & Co drawing no 133	Oct-35
16349	Lamp holders	K3/34, 35 Armstrong Whitworth & Co drawing no 157	Oct-35
16351	Ashpan drench pipe details	K3/34, 35 Armstrong Whitworth & Co drawing no 33; cancelled	Oct-35
16352	Ashpan arrangement, contract drg No.32	Class K-3/35	28/10/1935
16354	Cover for reversing screw	Class D-20 rebuild	30/10/1935
16355	Reversing screw & details	Class D-20 rebuild	30/10/1935
16356	Arrangement of firebars	Class D-49	30/10/1935
16357	Bronze coupling steam pipe to steam stand	K3	Nov-35
16358	Train heating details engine and tender	K3/34, 35 Armstrong Whitworth & Co drawing no 150; see also drawing 16359	Oct-35
16359	Train heating details engine and tender	K3/34, 35 Armstrong Whitworth & Co drawing no 193; see also drawing 16358	Oct-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16362	Bronze leading and trailing axlebox	J39	Nov-35
16365	Horn clips	J39	Nov-35
16366	Combined steam and delivery valve	K3	Nov-35
16367	Bronze driving axlebox	J39	Nov-35
16378	Firebars (centre & side bars)	Standard	08/11/1935
16379	Arrangement of Enots grease lubrication for pony truck swing links, Y-1208N	Class K-3/35	08/11/1935
16382	Clothing details	K3/34, 35 Armstrong Whitworth & Co drawing no 72	
16383	Boiler & firebox lagging	Class K-3/35	11/11/1935
16385	Drop grate firebars	Standard	12/11/1935
16386	Guard for swab	D20, J39	Nov-35
16392	Spark arrester	Class J-71, J-72, J-25, J-75, J-27, Y-8	15/11/1935
16394	Arrangement and details of engine vacuum brake pipe	K3/34, 35 Armstrong Whitworth & Co drawing no 131; see also drawing 16395	Nov-35
16395	Vacuum brake details and hose engine and tender	K3/34, 35 Armstrong Whitworth & Co drawing no 134	Nov-35
16396	Cylinder water cock details	Class J-39/36	19/11/1935
16400	Cylinders	Class B-16	20/11/1935
16403	Arrangement of pipes between engine & tender, Y-1458N	Class K-3	25/11/1935
16404	Wood platform	Class K-3/35	27/11/1935
16405-1	Pipe arrangement (sheet 2) (elevation and end view) modified from original tracing	K3/34, 35 Armstrong Whitworth & Co drawing no 7; altered position of control pipe for exhaust injector April 1938. For additional stay for exhaust steam pipe see drawing N-352.	
16405	Pipe arrangement (sheet 2) (elevation and end view)	K3/34, 35 Armstrong Whitworth & Co drawing no 7; see also drawings 16405-1, 16406	Nov-35

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16406-1	Pipe arrangements (plan and end views)	K3 Armstrong Whitworth & Co drawing no 8	
16409	Water scoop arrangement	4200 galls tender Armstrong Whitworth & Co drawing no 177	Dec-35
16415	Pipe clips	K3/34, 35 Armstrong Whitworth & Co drawing no 153	Dec-35
16421	Clothing arrangement	K3/34 Armstrong Whitworth & Co drawing no 71; see 16417 for 1935 builds	
16422	Boiler and firebox lagging	K3/34 Armstrong Whitworth & Co drawing no 74; see 16383 for 1935 builds	
16426	Tender tank	Class D-20 rebuild	02/01/1936
16427	Arrangement of water scoop	Class D-20	02/01/1936
16428	Arrangement of vacuum brake, train heating pipes	Class D-20	02/01/1936
16436	Ashpan arrangement with boiler drg No. 15966-D	Class A-6	10/01/1936
16437	Details of ashpan, boiler to drg No. 15966-D	Class A-6	10/01/1936
16442	Smokebox, boiler to drg No. 15966-D	Class A-6	22/02/1936
16443	Firebox arrangement (with 7/8", 15/16" & 1" dia copper stays)	Class B-15, Q-6	03/03/1936
16444	Details for live steam injector, boiler to drg No. 15966-D	Class A-6	03/03/1936
16446	Arrangement of A-6 engine (with superheated boiler to drg No. 15966-D)	Class A-6	18/03/1936
16448	Alteration to tanks, cab & coal bunker, boiler to drg No. 15966-D	Class A-6	20/03/1936
16448	Cab and tanks alteration	A6	Apr-36
16451	Boiler (with angle plate barrel)	Class N-8, N-9, N-10, J-21, J-25	08/05/1936
16453	Arrangement of T-1 engine (with superheated boiler to drg No. 15966-D)	Class T-1	26-5-12936

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Drawing No.	Title	More Info	Date
16463	Arrangement of engine & coaches fitted with vacuum controlled regulator G-5	Class G-5	24/06/1936
16468	Arrangement of whistle & gear	Class B-15	21/07/1936
16469	Longitudinal stay & pipe support	Class B-16, Q-7, J-26, J-27, C-6, C-7, B-15, Q-6, D-21	27/07/1936
16471	Clothing arrangement	Class Q-6	04/08/1936
16473	Internal pipes in boiler (copper)	Class B-15, Q-6, 1935 & future builds	10/08/1936
16474	Internal pipes in boiler (copper)	Class J-26, J-27	17/08/1936
16475	Smokebox arrangement, boiler to drg No. 15966	Class T-1 superheated	17/08/1936
16484	Crinoline details	Standard sheet for Class A-6, A-7, A-8, T-1, D-20, B-15, Q-6, C-6, C-7, J-26, J-27, B-16, Q-7	06/10/1936
16485	Clothing arrangement	Class C-6, C-7 (boilers built in 1931)	27/10/1936
16486	Clothing arrangement	Class B-16, Q-7 (boilers built in 1935 and after)	03/11/1936
16494	Firebox lagging (asbestos mattresses)	Class A-6, A-7, A-8, T-1, boilers built in 1935	27/11/1936
16495	Boiler barrel lagging (Alfol)	Class A-6, A-7, A-8, T-1, boilers built in 1935	27/11/1936
16497	Smokebox arrangement	Class G-5, engines with vacuum controlled regulator	11/12/1936
16500	Doors etc: for covered bunker	A5	Jan-37
16506	Arrangement of "Trist" Thermofeed feed water regulator (two cylinder type)	Sentinel Rail Coach	18/03/1937
16507	Boiler steadying stay	Class A-7/35	03/06/1937
16509	Cab front window	H & B Class L LNER Class J28 YEC contract no 72	
16510	Smokebox arrangement	A7	Jul-37
16513	Handrail details	Class A-7/35	20/08/1937
16513	Handrail details	A7	Aug-37

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16514	Stand for steam valves, to suit alteration to whistle	4'-3", 4'-9" & 5'-6" Bhs	25/08/1937
16517	Arrangement of steam stand & steam valves (Steam stand drg No. 16514)	Class G-5	14/09/1937
16518	Arrangement of steam stand & whistle valve (Steam stand drg No. 16514)	Class J-26, J-27, A-6, A-7, A-8, etc	17/09/1937
16522	Modification to frame with hornblock to 13629 to suit hornclip drawing 13474	D49	Oct-37
16523	Extension to side tanks	G5	Jan-38
16526	Arrangement of steam brake , Mark 2 steam brake valve	Class G-5, engine no 387	19/02/1938
16529	Brake shaft	H & B Class L LNER Class J28 YEC contract no 67	
16530	Brake shaft carrier	H & B Class L LNER Class J28 YEC contract no 68	
16531	Brake details	H & B Class L LNER Class J28 YEC contract no 69	
16532	Brake block and hanger	H & B Class L LNER Class J28 YEC contract no 70	
16535	Back cylinder cover	Class B-13, Q-5, C-6, B-15	04/06/1938
16536	Arrangement & detail of cast steel intermediate bearing for tender brake shafts (supersedes drg No. Z-123-37, 7/38)	Class B-15, B-16, C-6, C-6/09, D-20, D21	21/06/1938
16537	Arrangement & details for modification to N.E. type self trimming tender to suit Class D-49	Class D-49	26/08/1938
16544	Liner and cowl for chimney	D20	Mar-39
16545	Hardwood packing piece for NE 1'-5'2" buffers	When using screw coupling to drawing 7108	Mar-39
16546	Provisional arrangement of anti-glare screen		Mar-39



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Drawing No.	Title	More Info	Date
10540	between engine and tender		Mar-39
16590	Asbestos mattress for firebox	Class D-20 for boilers built prior to 19/10/31 and after 24/5/33 up to 25/10/34	11/06/1940
16593	Asbestos mattress for boiler barrel	Class D-20 boilers built prior to 1934	17/06/1940
16595	Smokebox arrangement	J24	Aug-40
16602	Arrangement of anti-glare screens	B16, Q7	Oct-40
16604	Arrangement of anti-glare screens (supersedes drg No. 16549-D)	Class J-26, J-27	25/10/1940
16606	Arrangement of anti-glare screens	J21,J24,J25	Nov-40
16607	Arrangement of anti-glare screens (supersedes drg No. 16553-D)	Class Q-6 with 4125 gall tender	05/11/1940
16609	Arrangement of anti-glare screens	C6,C7,C9,D21	Nov-40
16610	Leading crank pin (with coned cap & through bolt), supersedes 10508 & 11139-D	Class Q-5, Q-6, Q-7	27/11/1940
16620	Arrangement of Mk II stokers	J72	Mar-41
16634	8¾" dia piston valve liner	Class Q-5, Q-6, B-13, B-15	25/06/1941
16640	Piston valve spindle	Class B-13, B-15, Q-5, Q-6	08/07/1941
16641	Piston valve head & rings for 8¾" dia piston valve		08/07/1941
16644	Frame arrangement	D20 rebuild	Jul-41
16655	Alterations in smokebox	J21	
16657	Pipe & rod arrangement	Conversion of D-20 to D-20 rebuild	05/12/1941
16657	Pipe and rod arrangement	D20 rebuild	Dec-41
16660	Modification to RH toolbox when fitted with ARP box	4200 standard tender	Dec-41
16661	Arrangement and details of spark arrester	Sentinel engines with twin funnels	Jan-41
16669	Arrangement & details of lubrication on steam chest cover for valve spindle	Class J-24, 25, 26, 27, N-10, G-5	18/03/1942

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16670	Smokebox doors & front plates	N.E. engines	17/04/1942
16675	Arrangement of continuous blowdown apparatus	Class Q-6	10/07/1942
16685	Seating for steam & delivery valve	Class A-5	17/10/1942
16695	Oxy-acetylene copper welding process	Examples of LMS procedure	Dec-43
16699	Maker's plate	For new engines V-2, B etc., Darlington works	10/02/1943
16699	Makers nameplate	B1, L1, V2	Feb-43
16701	Makers nameplate	WD 8F 2-8-0	Mar-43
16702	Alteration to anti-glare screens, steel spring substituted for rubber loops	N.E. tender engines	13/03/1943
16705	Arrangement for outside fixing for tanks & bunker	A8	Apr-43
16706	Arrangement of injector steam cock	King Arthur SR N15	Apr-43
16707	Spark arrester	Class J-39	10/04/1943
16707	Spark arrester	J39	Apr-43
16709	Arrangement of class H exhaust injector	D20	Apr-43
16711	Arrangement of vacuum brake pipes	Class Y-8	23/04/1943
16714	Position of shed allocation and general repair date		May-43
16716	Quick acting vacuum controlled regulator arrangement, push & pull working	Class G-5	12/05/1943
16719	Bronze axlebox L.I.D.T.	Class Q-6	25/05/1943
16720	Coupling rod bushes	N.E. Classes	13/06/1943
16721	Axlebox lubricator details	Class Q-6	15/06/1943
16722	Trailing axlebox swab guard	Class Q-6	18/06/1943
16724	Non lifting automatic injector, U.S.A. special		07/07/1943
16725	Injector body, U.S.A. special		07/07/1943

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16726	Non lifting automatic injector details, U.S.A. special		09/07/1943
16729	Arrangement of U.S.A. type injector R.H. side, U.S.A. special	Class B-16/3	22/07/1943
16730	Injector operating details, U.S.A. special	Class B-16/3	23/07/1943
16731	Injector steam & delivery valve, U.S.A. special	Class B-16/3	05/08/1943
16740	Experimental chimney and cowl	J21	Sep-43
16741	Arrangement of single line snow plough	Class J-21	27/09/1943
16741	Arrangement of single line snowplough	A6, J21	Oct-43
16742	Arrangement of double line snowplough	J21, J24	Oct-43
16744	Arrangement of U.S.A. type injector on L.H. side	Class B-1	21/10/1943
16748	Smokebox arrangement	J25	Nov-43
16751	Standard slip coupling details		22/11/1943
16752	Standard slip coupling arrangement		24/11/1943
16756	Smokebox arrangement satd. boiler. Piston valve cylinders	Class J-24	03/12/1943
16760	Stiffening of front buffer beam	Class J-27, J-26	14/01/1944
16764	Steam brake arrangement	Class N-8 & 9	11/02/1944
16765	Exhaust steam injector type J		14/02/1944
16770	Eldorite lagging	Class J-27, Boiler N965	15/03/1944
16771	Eldorite lagging	Class J-27, Boiler 9669	20/03/1944
16773	Screens for oval firedoors	Class J-21, J-25, N-8, N-9, N-10, J-24, J-73, G-5, A-6, A-7, A-8, T-1, B-15, Q-6, B-16, Q-7, J-26, J-27	28/04/1944
16782	Flanged baffle plate for 4'-9" dia. Smokebox door	Class J-26, J-27, Q-5	26/06/1944
16784	Continuous blowdown arrangement	Class J-27	06/07/1944
16785	Continuous blowdown details	Class J-27	13/07/1944

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16787	Diagram showing relative dimensions of chimney blast pipe	Class G-5	22/07/1944
16792	Conversion of C-9 tender tank to suit group standard frame		15/08/1944
16794	Modification of group standard tender frame to suit C-9 tank	Class G-5, Class J-24, J-73	24/08/1944
16796	Alteration to water scoop details	Class G-9 to G-5	07/10/1944
16797	Conversion of C-9 tender tank general arrangement to suit group standard frames		07/10/1944
16798	Chimney & blast pipe	Class J-21	08/10/1944
16800	Tender brake shaft (fabricated)	Class B-15, B-16, C-6, C-6/09, C-7, D-20, D-21, J-21	05/12/1944
16813	S.B. & F.B. tubeplates	Class T-1 saturated, 1945	01/03/1945
16821	Layout of testing plant (sheet 2)		07/03/1945
16824	Arrangement of vacuum & auto steam brake	Class Y-7	20/04/1945
16834	Arrangement & details of Wakefield single feed sight feed lub: & trailing oil boxes	Class J-26, J-27	-1951
16837	Arrangement of U.S.A. type injector	Class J-26, J-27	07/07/1945
16838	Arrangement of U.S.A. type injector	Class Q-6	-1952
16842	Arrangement of U.S.A. type injector	Class B-2	01/08/1945
16844	Joint between cylinder & steam pipe distance pieces	Class Q-6	13/08/1945
16845	Arrangement of U.S.A. type injector	Class A-8	18/08/1945
16849	Arrangement of vacuum ejector & pipes	Class J-77	12/09/1945
16855	Connections between engine & tender	Class C-7 tender converted to B-2	12/10/1945
16856	Conversion of 6-wheeled tender for 2-8-2 engine suit class B-2	Class B-2	26/10/1945

**Darlington Locomotive Drawings List**

<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16884	Combined drier & ejector for trailing sandbox	Class B-2	29/03/1946
16887	Application of manganese steel liner to driving axlebox & horns	Class Q-6	09/04/1946
16888	Non-lifting automatic injector, U.S.A. type		11/04/1946
16889	Injector body, non-lifting automatic injector, U.S.A. type		18/04/1946
16890	Modifications to C-7 tender frame to suit 4500 gallons G.S. tank for B-2	Class B-2	25/04/1946
16891	Spring coupled wheels	Class J-27	30/04/1946
16893	Arrangement & details of spring gear	Class Q-6	28/05/1946
16896	Arrangement & details of spring gear (engine)	Class J-26, J-27	03/06/1946
16897	Arrangement & details of tender spring gear	Class J-21 sup, J-26, J-27, G-5, Q-6	14/06/1946
16907	Arrangement of drive for mechanical lubricator	A8	Dec-49
16908	Details of drive for mechanical lubricator	A8	Dec-49
16911	Frame arrangement	Class D-49 renewals	03/09/1946
16912	Modification of brake flanges to suit L.N.E. standard brake block	Class J-94	16/09/1946
16913	Tracing of D & M drg No.10057 No.9 loco exhaust steam injector class H/J		21/09/1946
16916	Tracing of Ross drg No.A-1371, 2" dia Ross pop safety valve		14/10/1946
16917	Tracing of Ross drg No. A-922, 2½" pop safety valve		16/10/1946
16919	Hornblock for driving axlebox	D49	Dec-49
16920	Frame arrangement	Class D-49 renewals with U-type horns	23/10/1946
16922	Class B-17 engine fitted with diagram 100A boiler	Class B-17	12/11/1946

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16927	Arrangement of automatic steam brake & steam heating	Class N-10	25/11/1946
16928	Motion bar bracket	Class Q-6	05/12/1946
16929	Clip for reg box & stand pipe	Class L-1	16/12/1946
16932	Great Northern Railway express passenger engine	Great Northern	08/01/1947
16933	Brake block chart	All classes	15/01/1947
16934	Helton colliery locomotive		22/01/1947
16935	Arrangement of U.S.A. type & class H/J exhaust steam injector	Class B-1	17/02/1947
16940	Self trimming tender tank	Class D-20	03/03/1947
16941	Valve connecting rod guide (tracing of H.E.C. drg No. 61A)	Class J-94	04/03/1947
16944	Coupled spring (ordering tracing), tracing of H.E.C. drg No. 51	Class J-94	08/03/1947
16945	Water space stay protection cap		08/03/1947
16946	Arrangement of steam brake valve	Class J-26, J-27	18/03/1947
16948	Eccentric straps (tracing of H.E.C. drg No. 68 (with modifications))	Class J-94	26/03/1947
16949	Arrangement of G.S. buffers & drawgear	Class J-94	28/03/1947
16951	Arrangement of 4-way oil box for driving wheels - engines with manganese liners on horns & axlebox	Class Q-6	11/04/1947
16953	Arrangement of Westinghouse pipes	Class B-2	16/04/1947
16955	Arrangement of Westinghouse vacuum & train heating pipes	Class C-7 tender converted to suit B2 Westinghouse	22/04/1947
16957	Jointing details (copy of H.E.C. drg No.96)	Class J-94	08/05/1947
16958	Arrangement of "Jay-Gee" smoke eliminator	Class J-72	13/05/1947
16963	Arrangement of boiler lagging	Class D-49, J-39	23/05/1947

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
16964	Self trimming tender tank to suit G.C. frame	Class D-49 Renewals	28/05/1947
16966	Arrangement of fireman's seat	Class J-21, J-24, J-25, J-26, J-27	03/06/1947
16970	Pony truck details and railguard	K3/34, 35 Armstrong Whitworth & Co drawing no 137	Sep-35
16971	Mark IV automatic steam brake (tracing of G & C drg No.12533A)		13/06/1947
16972	Arrangement of de-icing apparatus	Class G-5	21/06/1947
16972	Roller bearings for valve gear	K3/34, 35 Armstrong Whitworth & Co drawing no 115	Sep-35
16975	Arrangement of steam connection on shed pilot engines for warming oil on oil burning loco	Class J-72	01/07/1947
16979	Front steam chest cover C-7 pattern	Class J-24, J-25, J-27	14/07/1947
16981	Arrangement of numbering & lettering 2-8-0 two-cylinder austerity locomotive		04/07/1947
16983	Spring arrangement	Class Q-7	09/07/1947
16984	Front steam chest cover Q-9 pattern	Class Q-5, Q-6, D-17/2, D-20, A-6, N-8, J-21, T-1	16/07/1947
16985	Arrangement of split feed to front piston valve covers	Class J-24, J-25, J-27	23/07/1947
16986	Driving hornblock	D49	Aug-47
16998	Arrangement of drive for mechanical lubricator	Class Q-6	23/08/1947
16999	Details of drive for mechanical lubricator	Class Q-6	23/08/1947
16999	Details of drive for mechanical lubricator	Q6	Feb-48
17000	Arrangement of single line snow plough	Class J-21, J-24	25-8-1047
17011	Reversing shaft bracket	Class J-21, N-8, N-9, D-20, A-6, Q-5, Q-6, A-6, renewals	01/10/1947
17012	Boiler lagging - fibreglass	Class Q-6	07/10/1947

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
17018	Locomotive route availability - lettering on cab sides		28/10/1947
17019	Vacuum pipe arrangement	Class J-94	01/11/1947
17022	Nameplates	B1	Nov-47
17023	Conversion of C-7 tender to mobile oil fuel supply tank		19/11/1947
17045	Brick arches	Supersedes drg No. 14209-D	13/04/1948
17049	Boiler lagging (fibreglass)	Class J-27	03/05/1948
17050	Smoke box arrangement	Class J-77	05/05/1948
17053	Arrangement of E & T independent steam brake	Class Q-7	24/06/1948
17064	Arrangement & details of axlebox lubrication	Class J-94	31/08/1948
17065	Arrangement of continuous blow-down (injector control)	Class G-5	01/09/1948
17067	Steel axlebox with manganese bronze liners (L. D. Int. & trailing)	Class Q-6	20/09/1948
17069	Steel axlebox with manganese bronze liners	Class J-26, J-27	06/10/1948
17072	Double blast pipe	Engine No. 10,000	16/03/1935
17072	Smokebox arrangement (Darlington, Tebay, Penrith and Wearhead services)	Class J-21 suphtd	15/10/1948
17073	Arrangement of adjustable supports for double line snow plough (drg No. 30-19114B)	Class J-24, J-25, J-27	15/10/1948
17074	Arrangement of adjustable supports for double line snow plough (drg No. 30-19114B)	Class Q-6	19/10/1948
17079	Seating pad to suit steam & delivery valve to drg No.15300-D	Class J-94	13/11/1948
17086	Frame arrangement	Class G-5	11/01/1949
17097	Boiler lagging (fibreglass)	Class B-1	09/03/1949



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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
17100	Brake shaft & brackets (fabricated)	Class B-17 tender	25/03/1949
17106	Arrangement of U.S.A. & exhaust injector type J	Class B1 1948	16/06/1949
17110	Works serial number plate	New engines; Class A-1, B-1 etc	19/07/1949
17112	Steam sanding & drier arrangement	Class J-94	17/08/1949
17113	Layout of crest & engine numbers	Class J-72/49	11/10/1949
17114	Works serial number plate		19/10/1949
17118	Stiffening of front buffer beam, engines with snow plough to drg No. 30-19114 & 30-19715	Class J-25, J-27	19/11/1949
17119	Stiffening of front buffer beam, engines with snow plough to drg No. 30-19114 & 30-19715	Class Q-6	21/11/1949
17121	Layout of crest & engine numbers	Class J-94	28/11/1949
17128	Firebar chart	Standard	31/03/1950
17135	Arrangement of drive for mechanical lubricator	Class Q-6	17/08/1950
17136	Details of drive for mechanical lubricator	Class Q-6	01/09/1950
17136	Details of drive for mechanical lubricator	Q6	Sep-50
17145	Boiler arrangement	Class J-94/51	01/11/1950
17148	Arrangement of firebox	Class J-94/51	08/11/1950
17152	Class D-20 engine for load gauge ZZ-171	Class D-20	14/11/1950
17156	Arrangement of heat pipes for Ore Wagon on Class Q-7 engine	Class Q-7	05/01/1951
17157	Arrangement of heat pipes for Ore Wagon on Class Q-7 tender	Class Q-7	05/01/1951
17177	Modification to sand pipes to suit L.N.E. standard sand ejector, (supersedes 17124-D)	Class J-94	20/08/1952
17202-D	Horn blocks	Class Q-6	07/10/1954

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<b>Drawing No.</b>	<b>Title</b>	<b>More Info</b>	<b>Date</b>
17214	Hinges for cab wind doors	B16/1	
17237-D	Schematic diagram showing likely position of warning notices, copy of drg RD243		21/12/1959
17281-D	Tender axles	G & LNE & NE tenders	10/12/1962
D11646	Screw coupling	Group standard	19/10/1925
K12571	Steadying bracket for reversing rod	Class J-39, 1928 builds	26/01/1928
T12468	Wheels	Class J-39, 1928 builds	26/11/1927
I-16107	Blower ring with flange joint	Class J-39 & D-49	25/03/1935
H-15573	Wakefield axlebox lubricator fountain type	6 feeds, ¾ gall. Capacity	22/01/1934
Z-15416	Brake cylinder brackets	4200 gallons tender	07/06/1933
Z-11813	Frame stay	Group standard 3500 gallon tender	12/03/1926
Z-11803	Tank details for water scoops	3500 gallons standard tender	01/03/1926
V-11762	Spring stop		02/02/1926
X-11479	Cylinder water cocks & relief valves	Class J-38	08/06/1925
W-11318	Regulator & details	Class J-38	07/03/1925
Z-11113	Frame stay & steam brake cylinder support	Standard tender	26/11/1924