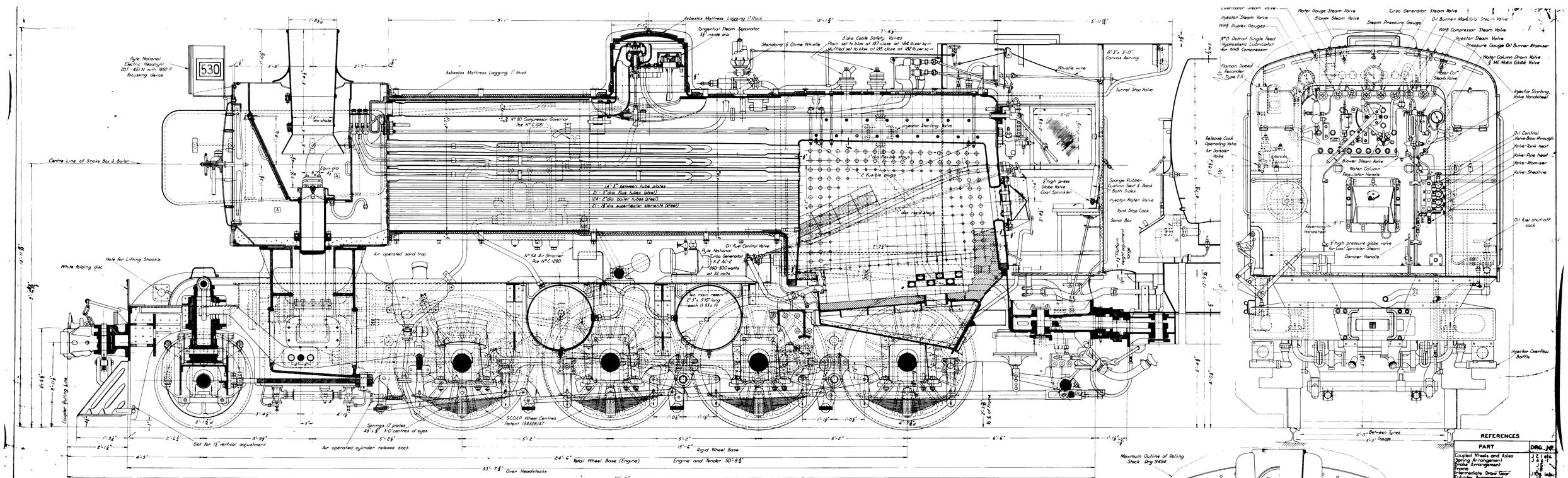


| ENGINE | | VALVE GEAR | | BOILER | | TENDER | |
|---|---|---|---|---|---|---|---|
| CYLINDERS (2) | 20" x 26" | WALSCHAERT | | WORKING PRESSURE | 180 lb/sq in | OIL | 1500 Galls |
| TRACTIVE EFFORT 85% | 29,460 | PISTON VALVES | 10" | GRATE AREA | 31 Sq Ft | WATER | 4100 Galls |
| FACTOR OF ADHESION | 4 35 | TRAVEL | 4½" LAP 1¼" | HEATING SURFACE | Sq Ft | | |
| | | LEAD | ¼" | FIREBOX | 118 | | |
| | | | | ARCH TUBES | 9 | NUMBERS OF LOCOS | |
| | | | | TUBES & FLUES | 1317 | 530 - 559 (Incl) | |
| | | | | SUPERHEATER | 216 | BUILT BY - | |
| | | | | | 1682 | VULCAN FOUNDRY LTD | |

NOTE:- ALL VERTICAL DIMENSIONS ARE FOR LOCOMOTIVE IN ROADWORTHY CONDITION.

| REFERENCES | |
|---|---|
| PART | DRG. N° |
| Coupled Wheels and Axles | 3 2 1 etc |
| Spring Arrangement | 3 4 1 |
| Radius Arrangement | 3 5 1 |
| Frame | 3 6 1 |
| Connections Draw Gear | 3 7 1 |
| Cylinder Arrangement | 3 8 1 |
| Sand Gear (Run off Cock) | 3 9 1 |
| Motion and Reversing Gear | 3 10 1 |
| Valve Gear Arrangement | 3 11 1 |
| Bogie | 3 12 1 |
| Boiler Sections & Firebox Casing | 3 13 1 |
| Boiler Mountings | 3 14 1 |
| Brackets & Support Plates | 3 15 1 |
| Boiler Mountings | 3 16 1 |
| Regulator Arrangements | 3 17 1 |
| Insulation | 3 18 1 |
| Superheater | 3 19 1 |
| Steam Connections | 3 20 1 |
| Cleading and Handrails | 3 21 1 |
| Asbestos Mattress | 3 22 1 |
| Boiler Lagging | 3 23 1 |
| Steam Collector | 3 24 1 |
| Steam Collector | 3 25 1 |
| Cab Fittings Details | 3 26 1 |
| Cab Roof Fittings Details | 3 27 1 |
| Cab Platforms | 3 28 1 |
| Footsteps | 3 29 1 |
| Cab Seat Arrangement | 3 30 1 |
| Electric Lighting Arrangement | 3 31 1 |
| Smoke Deflectors | 3 32 1 |
| Tender Arrangement | 3 33 1 |
| Tender Tank | 3 34 1 |
| Tender Underframe | 3 35 1 |
| Tender Axle & Axle Guard Connections | 3 36 1 |
| Tender Lamp & Light | 3 37 1 |
| Standard Rye | 3 38 1 |
| Coupled Wheel Centres | 3 39 1 |
| Coupling Rods | 3 40 1 |
| Connecting Rods | 3 41 1 |
| Crosshead Arrgt & Details | 3 42 1 |
| Piston | 3 43 1 |
| Piston Valve | 3 44 1 |
| Piston Valve | 3 45 1 |
| Cross Heads & Slide Bars | 3 46 1 |
| Piston Valve & Stop Valve | 3 47 1 |
| Piston Valve & Hydraulic Packing | 3 48 1 |
| Valve Spindle Adjustable Packing | 3 49 1 |
| Valve Spindle Metallic Packing | 3 50 1 |
| Air Sprinkler | 3 51 1 |

| LETTER | DATE | REVISION |
|---|---|---|
| A | 1-3-55 | |

VICTORIAN RAILWAYS
CHIEF ENGINEER
ASST ENGINEER

LOCO CLASS J FUEL OIL BURNING | A

# GENERAL ARRANGEMENT

DRAWN C.E.M. TRACED
CHECKED TUBE 8-7-54

Smoke deflector plate added 1-3-55 BWH
Buffer step, Edmondson - Vic. 55