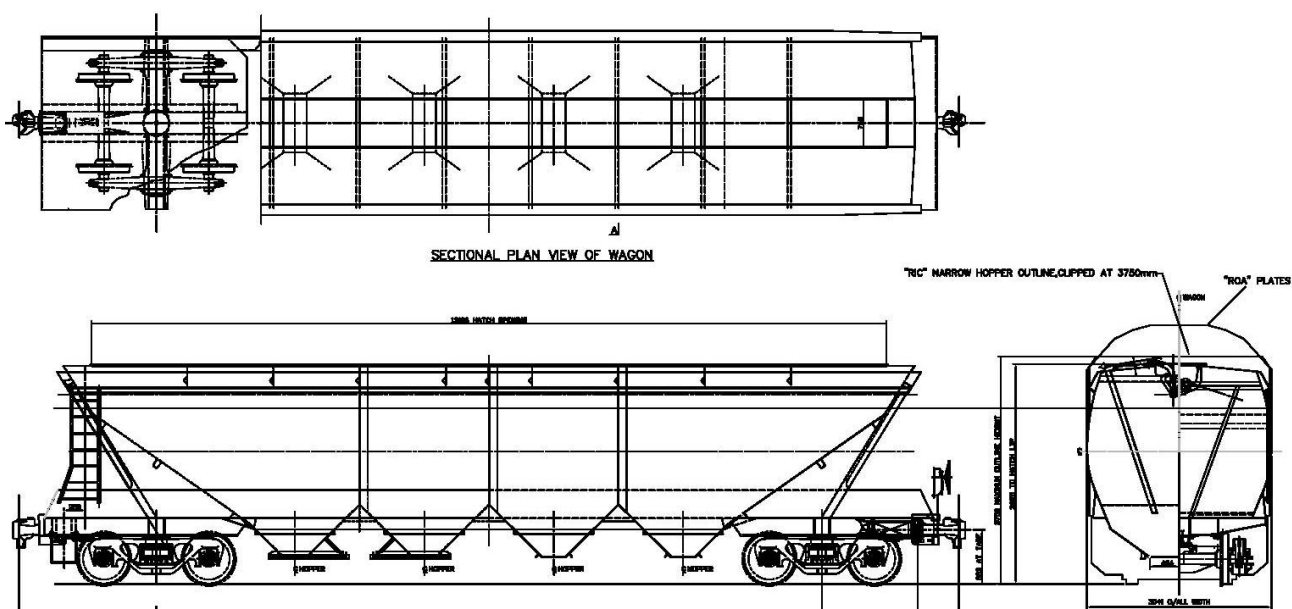




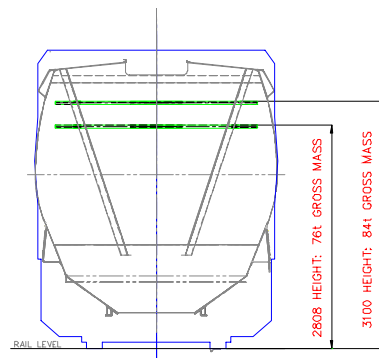
| | | | |
|-----------------------------|--|-------------------------|-------------|
| Class | CGDY | Tare Weight | 22.7 tonnes |
| Wagon Type | Covered Hopper | Gross Mass | 92.0 tonnes |
| Volume | 92.4m ³ | Capacity | 69.3 tonnes |
| Previous Class | New build | Unit Length | 15.5 m |
| Number in Class | 42 | Maximum Speed | 100 km/h |
| Wagon Numbers | 4001-4042 | Discharge Chutes | 4 |
| Date of Build | 2003-04 | Draw Capacity | 2.60 Mn |
| Rollingstock Outline | ROA Plate B & D & RIC Narrow Hopper Outline | RIC Class | B |
| | | Height | 3735 mm |





Wagon Class CGDY
Designer Anic Associates
Builder Alstom Ballarat
Build Date 2003-04
GA Drawing No. CGDY-01

Loading Specification



Bogie Details

Bogie Type 70t Ride Control
Designation AAR Class 2E
Axle Load 25t
Load Springs AAR D5 x 7 Outer
 AAR D5 x 3 Inner
F. Wedge Springs RFE 18 x 1 Outer
Wheel Diameter 840 mm
Journal Centers 1981mm
Wheelbase 1727mm
Centre Plate Bolted 350mm
 Dwg. VHKY 2.1
Journal Bearings 6" x 11"
Brake Lever Ratio 4:1
Side Bearers Stucki-656 CRH

| Product | Ave Density kg/m ³ | Loading Height (above rail) mm | | | | |
|----------------------|-------------------------------|--------------------------------|-----------|-----------|-----------|-----------|
| | | 68t gross | 76t gross | 80t gross | 84t gross | 92t gross |
| Wheat/Sorghum/Soy Bn | 750 | - | 2808 | - | 3100 | Full Fill |
| Canola/Barley | 625 | - | - | Full Fill | - | - |
| Rice/Oats | 500 | Full Fill | - | - | - | - |

Pneumatic Discharge System

No. of Chutes 4
Total No. of Cylinders 4x125mm dia.
Controls Both sides-
 individual chute
 operation, with
 "inching" capability

Draftgear

Assembly Drawing
Draftgear Spec R500
Coupler Type E/F Top Lift
Coupler Length 680 mm

Brake Details

Assembly Drawing
Brake Cylinder Type WHB 305mm dia.
Mounting Body
Relay Valve WHB E/L (20/50)
Triple Valve WF5
Load Compensation WHB VTA Valve
Grade Control Exhaust Choke
Slack Adjuster WHB DRV-2A
Hand Brake End Mount-AAR93
 Conventional
Bifurcated Pipe Yes

Pneumatic Hatch System

Type "Slide-Hatch"
 Ground operated
Number of Cylinders 2x100mm dia.
Controls Both sides
Manual override Yes

Prototype Wagon CGDY 4001-B
Series 1 Builds 4002-4042 (41)