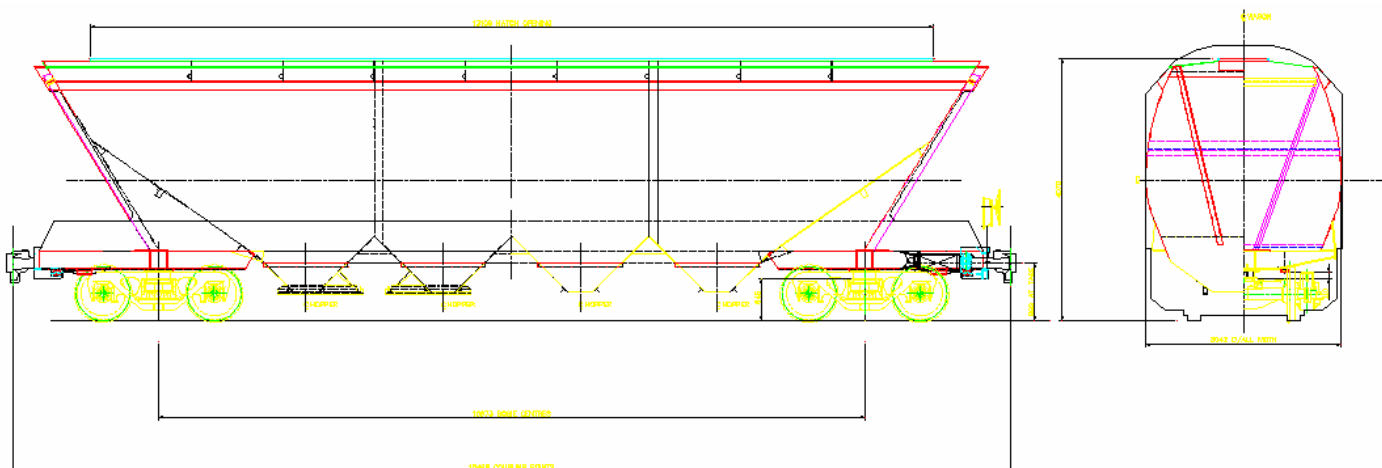




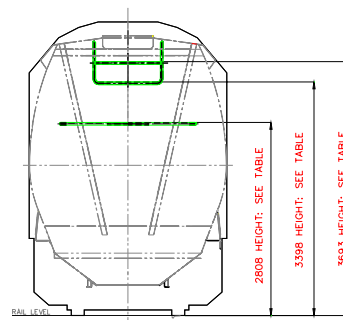
Class	CGAY	Tare Weight	24.0 tonnes
Wagon Type	Covered Hopper	Gross Mass	100.0/ 92.0 tonnes
Volume	113m ³	Capacity	76.0/ 68.0 tonnes
Previous Class	New Build	Unit Length	15.5 m
Number in Class	81	Maximum Speed	100 km/h
Wagon Numbers	0850-0930	Discharge Chutes	4
Build Date	2001-04	Draw Capacity	2.60 Mn
Rollingstock Outline	ROA Plate B & D	RIC Class	B
		Height	4070 mm





Wagon Class CGAY
Designer Anic Associates
Builder Alstom Ballarat
Build Date 2001-04
GA Drawing No. VHKY 1.0

Loading Specifications



Product	Ave Density kg/m3	Loading Height (above rail) mm		
		76t gross	92t gross	100t gross
Wheat/Sorghum/Soy Bean	750	2808	3398	3693
Canola/Barley	625	3398	Full Fill	-

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

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	VHKY 2.0
Draftgear Spec	R500
Coupler Type	E/F Top Lift
Coupler Length	680 mm

Brake Details	
Assembly Drawing	VHKY 4.0
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	CGAY 0850-J
Series 1 Builds	0851-0909 (59)
Series 2 Builds	0910-0930 (21)