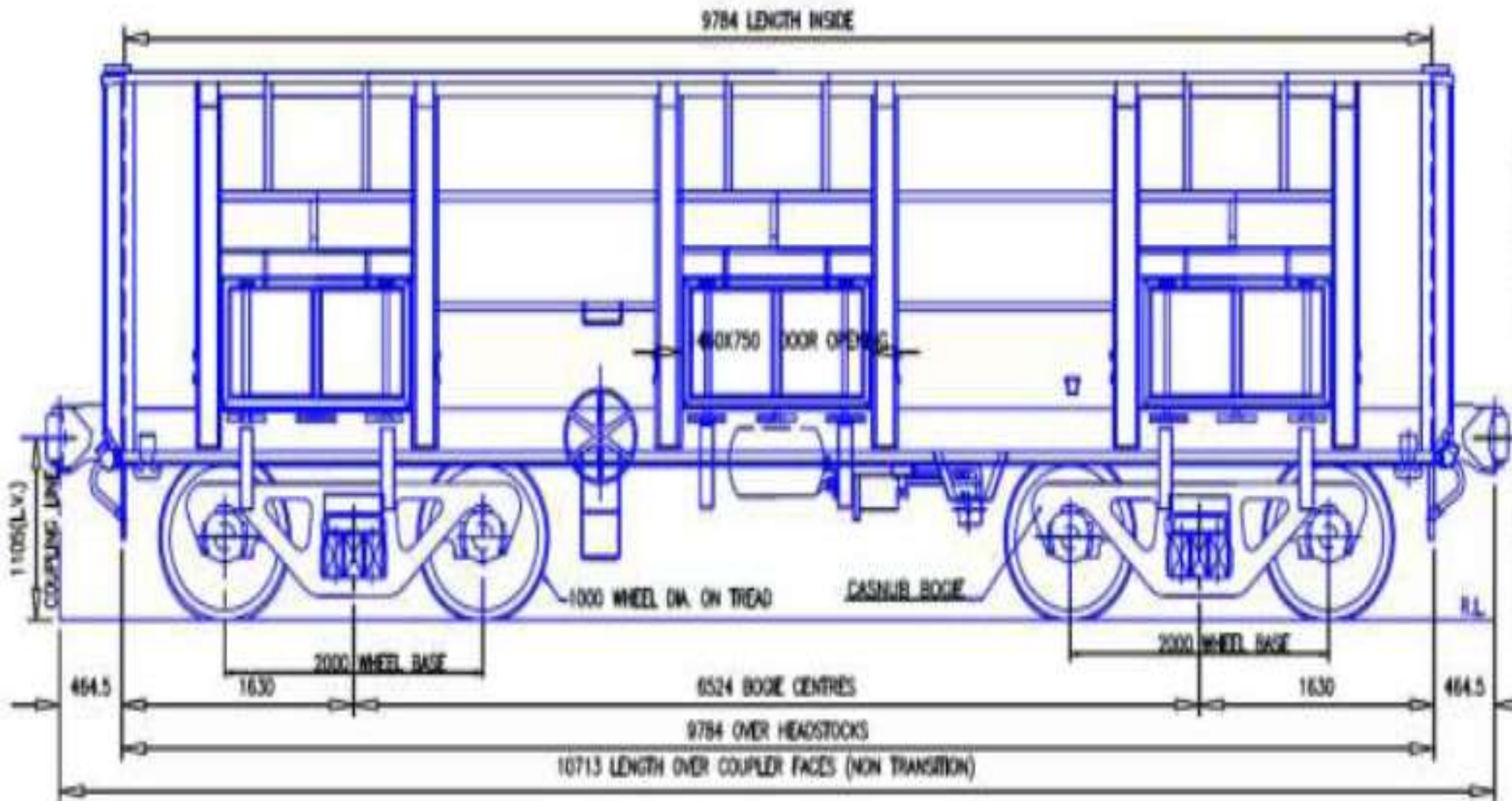


STANDARD FEATURES OF WAGONS

STC/SPJ

BOXN Wagon(B=Bogie,O=Open,X=High Side,N=A/Brake)

BOXN wagon has been designed for transportation of iron ores, coal etc. either fitted with Casnub-22W/ 22W(M)/22 NLB bogies,



STANDARD FEATURES OF 'BOXN' WAGON

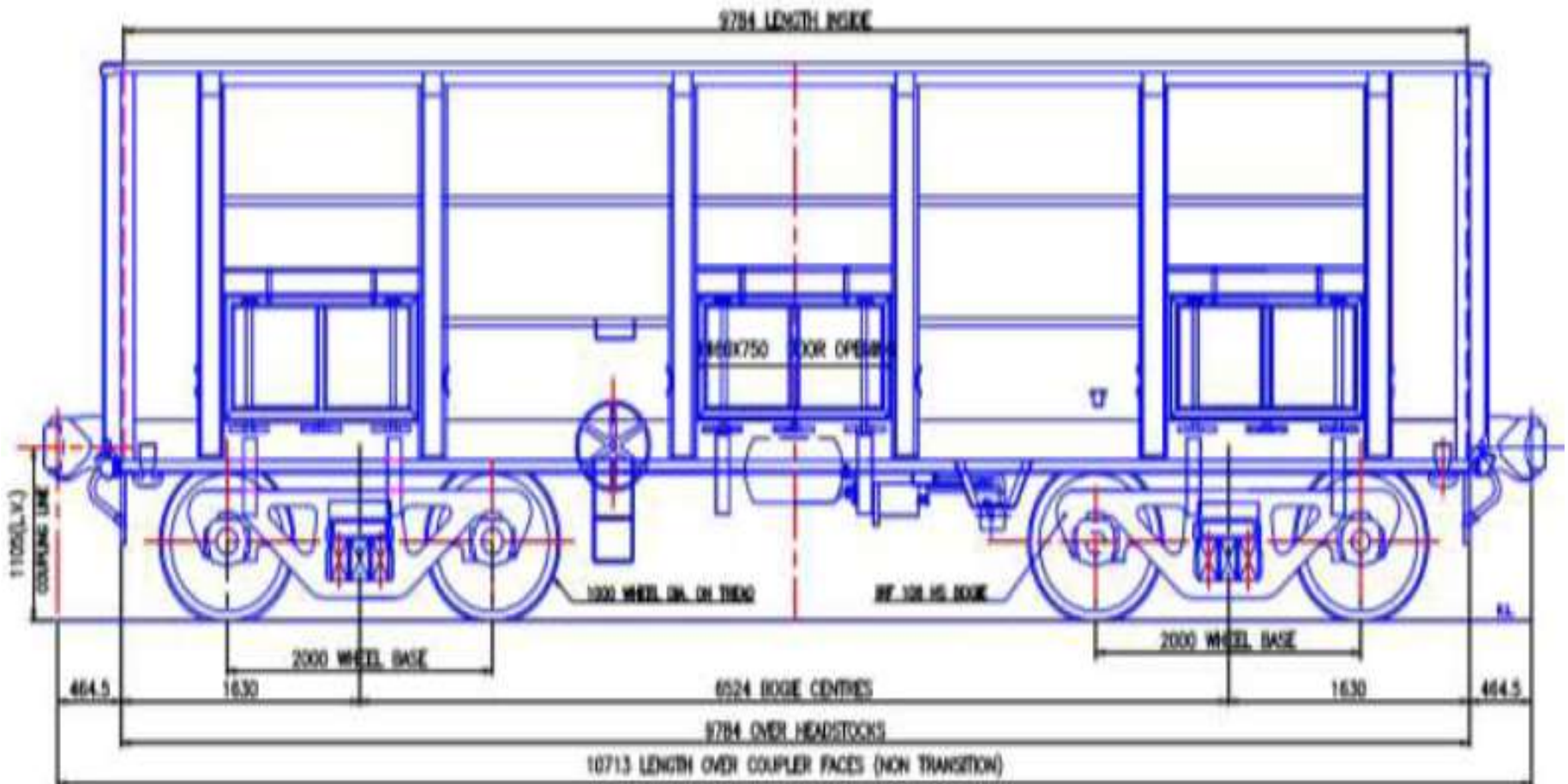
S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	2950/3200
4.	Height inside/Height (max.) from RL.	1950/3233
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	56.29
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	23.2
9.	Pay load (tonne)	58.08
10.	Gross load (Pay+Tare) (tonne)	81.28

BOXNCR Wagon(C=Corrosion,R=Resistant)

The wagon is a variant of BOXN wagon with its body in IRS M-44 steel. Its under frame is however made of mild steel. This has been done to provide better corrosion resistance to wagon body. All parameters of this wagon are same as that of BOXN wagon.

BOXNHA WAGON(H=Higher,A=A/Load

This wagon has been designed for transportation of coal to axle load of 22.1t. It has higher sidewalls compared to BOXN wagon.



STANDARD FEATURES OF 'BOXNHA' WAGON

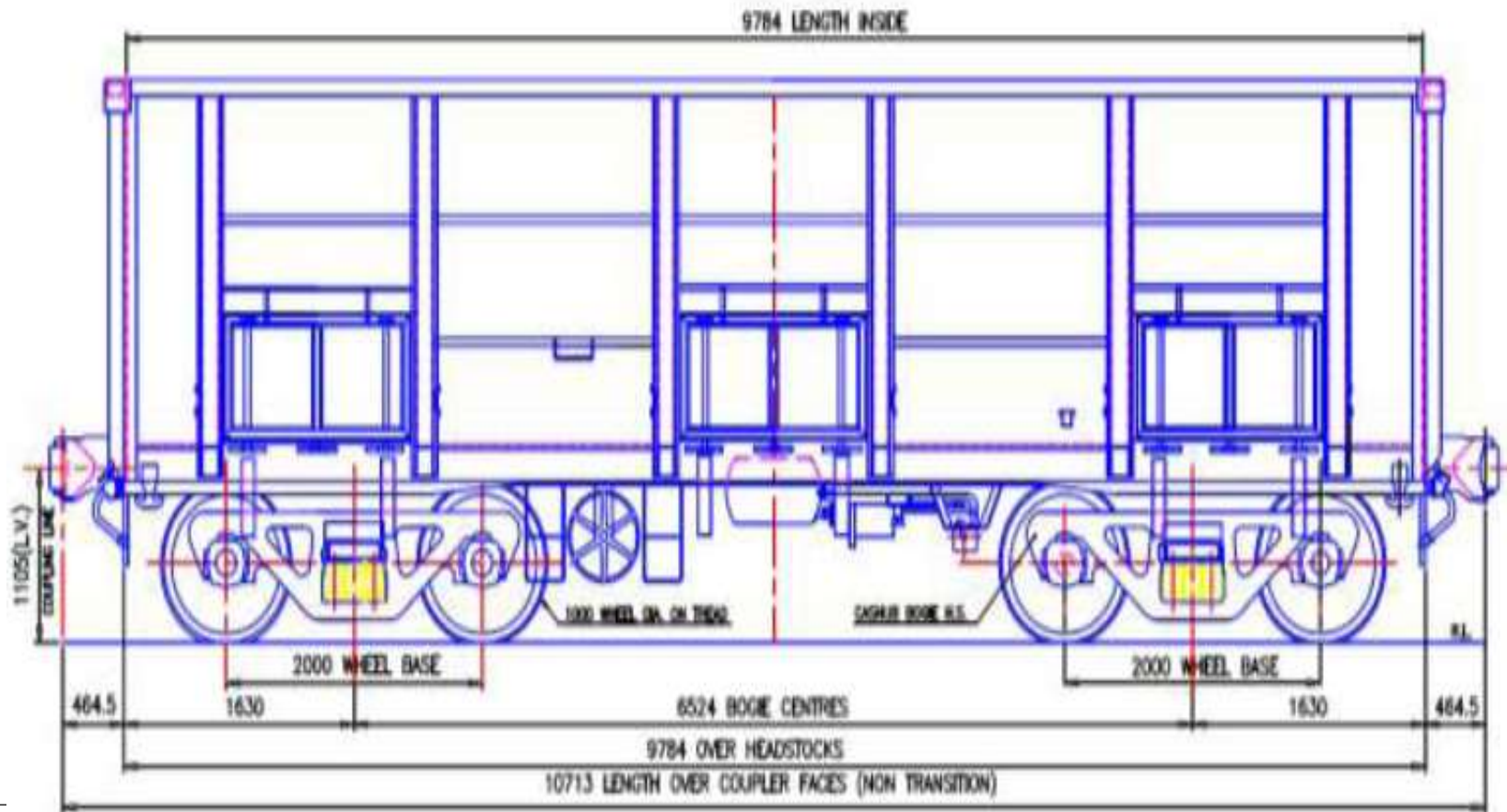
S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	2950/3200
4.	Height inside/Height (max.) from RL.	2175/3450
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	62.8
7.	Axle load (tonne)	22.1
8.	Tare Weight (tonne)	23.17
9.	Pay load (tonne)	65.23
10.	Gross load (Pay+Tare) (tonne)	88.4

BOXNHS WAGON (H=High ,S=Speed)

The wagon is variant of BOXN wagon with operating speed of 100 kmph in empty and 100 kmph in loaded condition. In this wagon high speed bogies have been provided. The other parameters of this wagon are same as of BOXN wagon.

BOXN (LW) WAGON(L=Low, W=Weight)

To meet the requirement of higher pay to tare ratio, this bogie open wagon was designed in 1988. Cold Rolled Formed (CRF) sections and stainless steel/carbon steel are used in design to reduce the tare weight of the wagon.

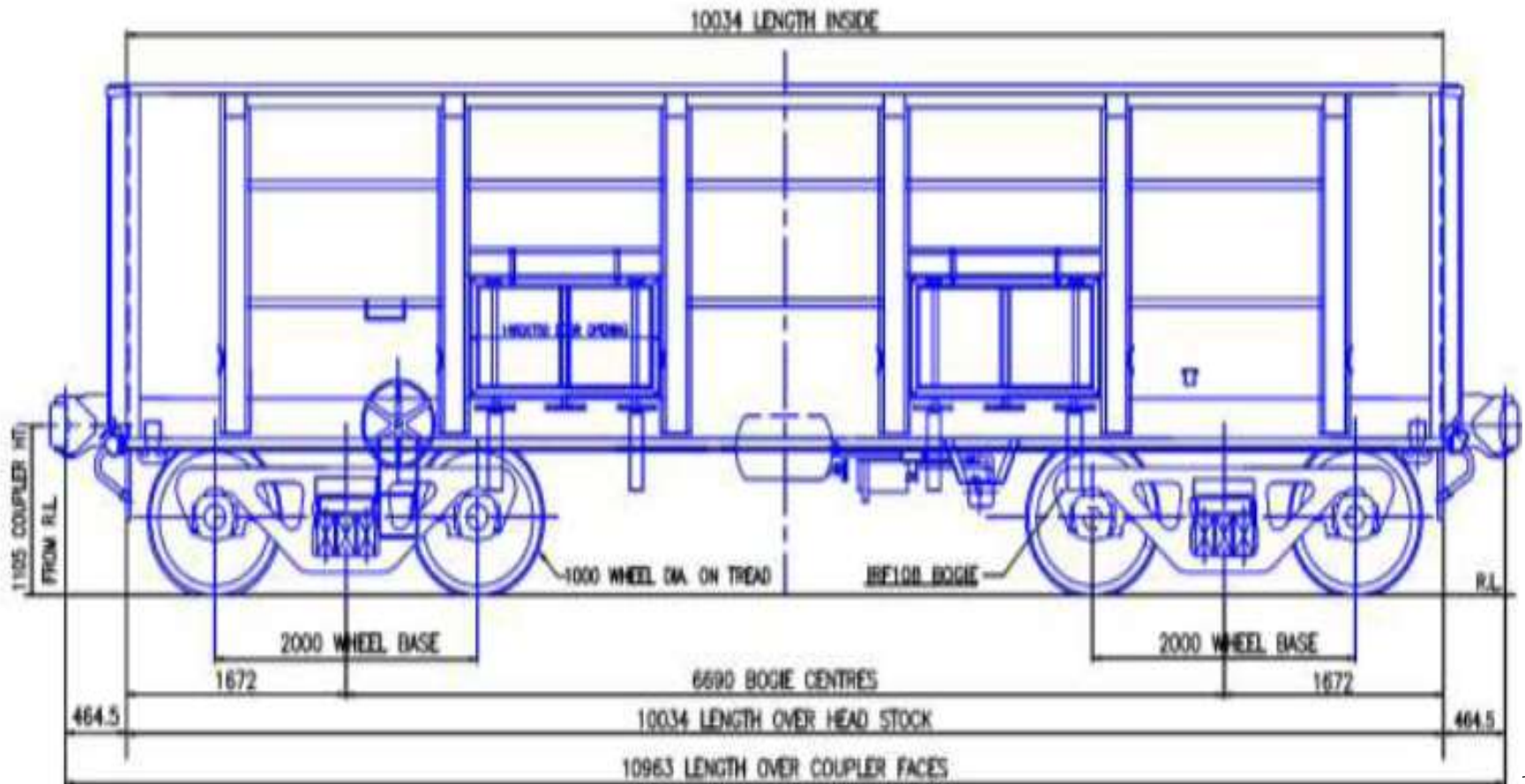


STANDARD FEATURES OF 'BOXN (LW)' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	3022/3250
4.	Height inside/Height (max.) from RL.	2066/3341
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	61.09
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	18.26
9.	Pay load (tonne)	63.02
10.	Gross load (Pay+Tare) (tonne)	81.28

BOXNHL WAGON (H=Heavy ,L=Load)

This bogie open wagon was designed at 22.9t axle load and 250mm longer than BOXNHS wagon. The wagon is manufactured by using stainless steel and cold rolled sections.

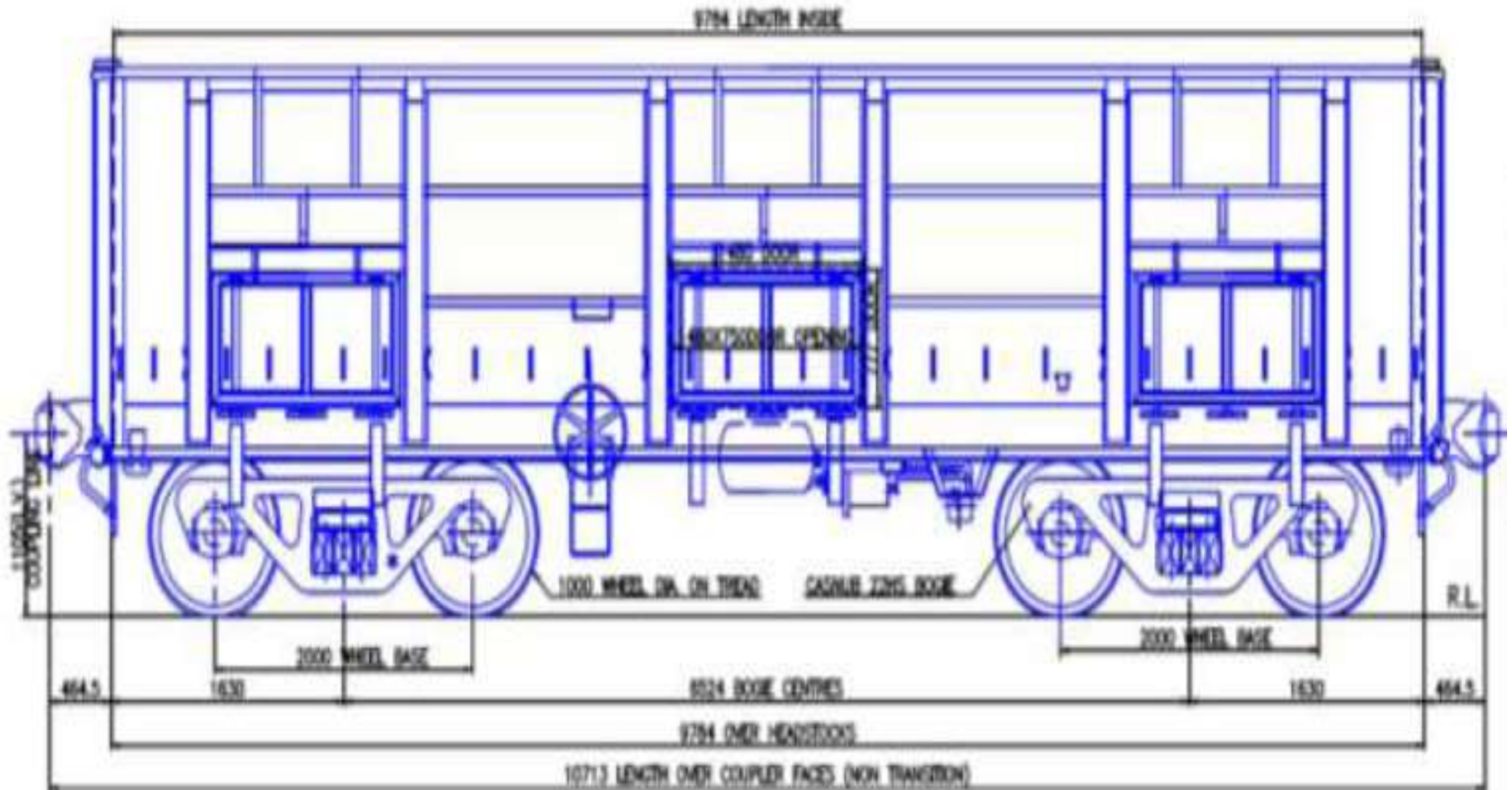


STANDARD FEATURES OF 'BOXNHL' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	10034
2.	Length over couplers (mm)	10963
3.	Width inside/Width Overall (mm)	3022/3250
4.	Height inside/Height (max.) from RL.	2028/3301
5.	Bogie centers (mm)	6690
6.	Cubic Capacity (Cu.M)	61.05
7.	Axle load (tonne)	22.9
8.	Tare Weight (tonne)	20.6
9.	Pay load (tonne)	71.0
10.	Gross load (Pay+Tare) (tonne)	91.6

BOXNEL WAGON (E=Externe, L=Load)

This wagon has been designed for transportation of iron ores, coal etc. BOXNEL wagons fitted with Casnub-22NLC bogies with a maximum axle load 25 t.

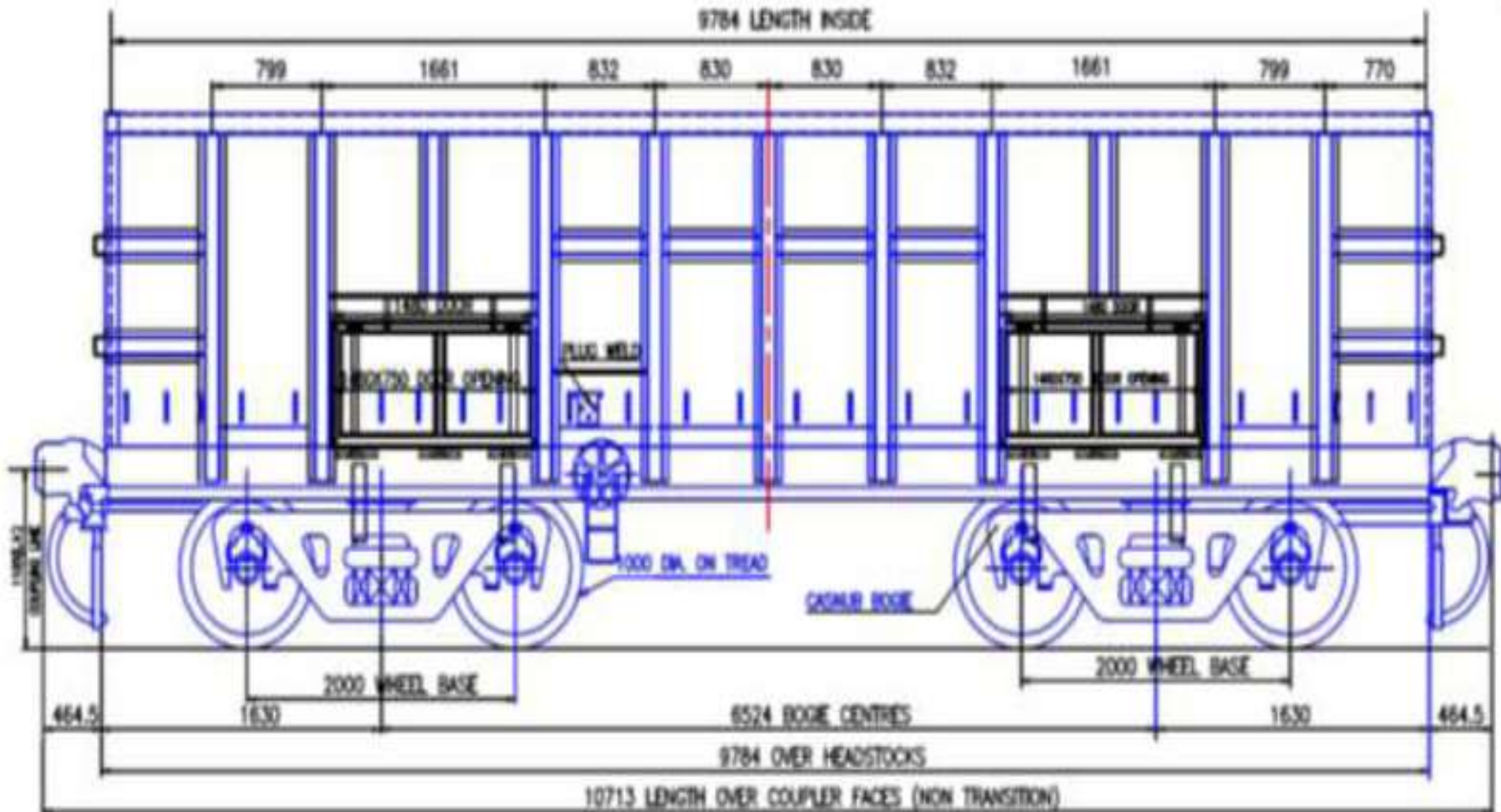


STANDARD FEATURES OF 'BOXNEL' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	2950/3200
4.	Height inside/Height (max.) from RL.	1950/3233
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	56.29
7.	Axle load (tonne)	25
8.	Tare Weight (tonne)	23.1
9.	Pay load (tonne)	76.9
10.	Gross load (Pay+Tare) (tonne)	100

BOXNR WAGON(R=Rehabilitate)

This wagon has been designed for transportation of iron ores, coal etc.

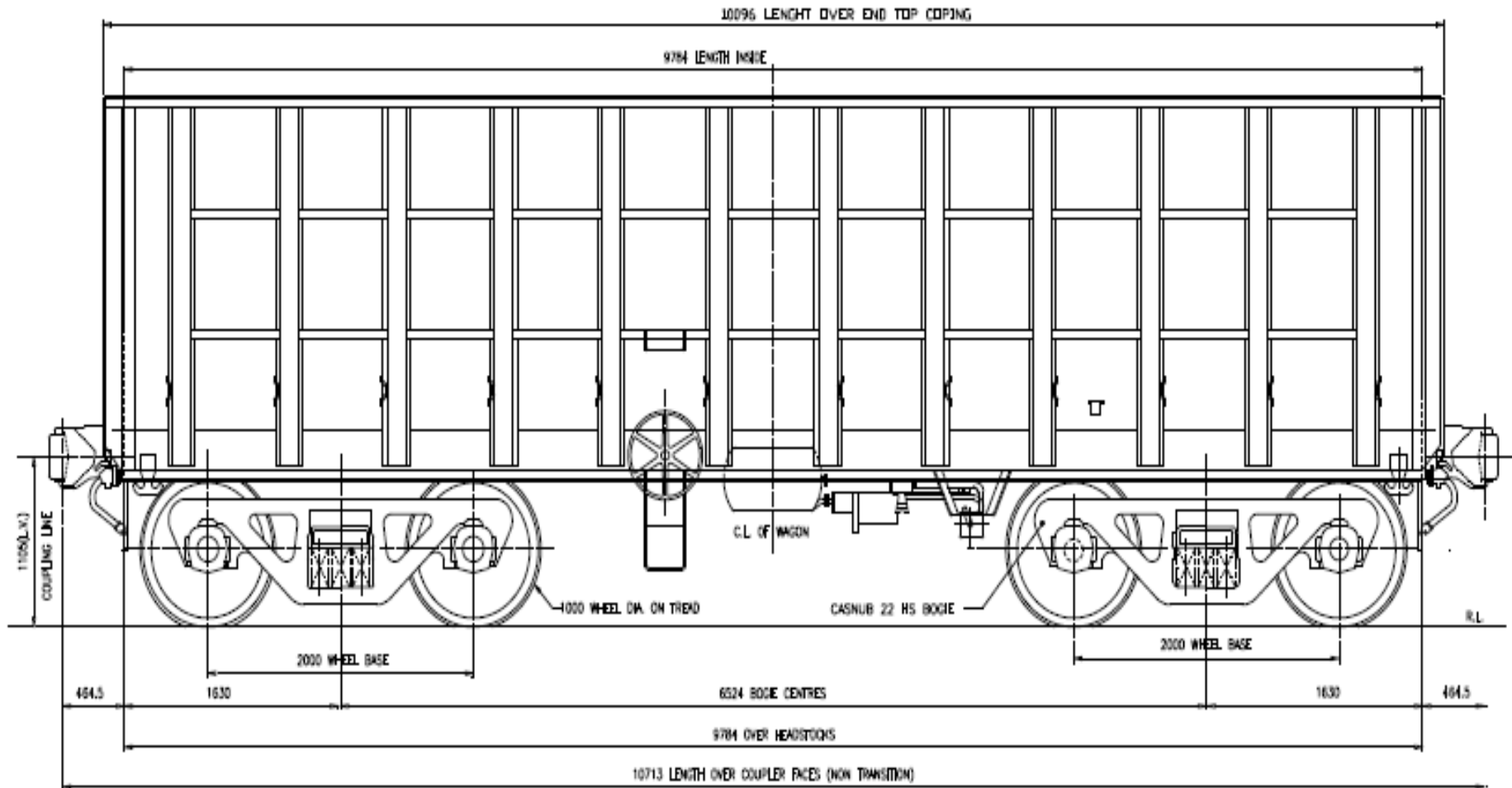


STANDARD FEATURES OF 'BOXNR' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	2954/3176
4.	Height inside/Height (max.) from RL.	2127/3408
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	61.47
7.	Axle load (tonne)	22.9
8.	Tare Weight (tonne)	21.2
9.	Pay load (tonne)	70.4
10.	Gross load (Pay+Tare) (tonne)	91.6

BOXNAL WAGON(AL=Aluminium)

This is light weight, without door aluminium alloy wagon.

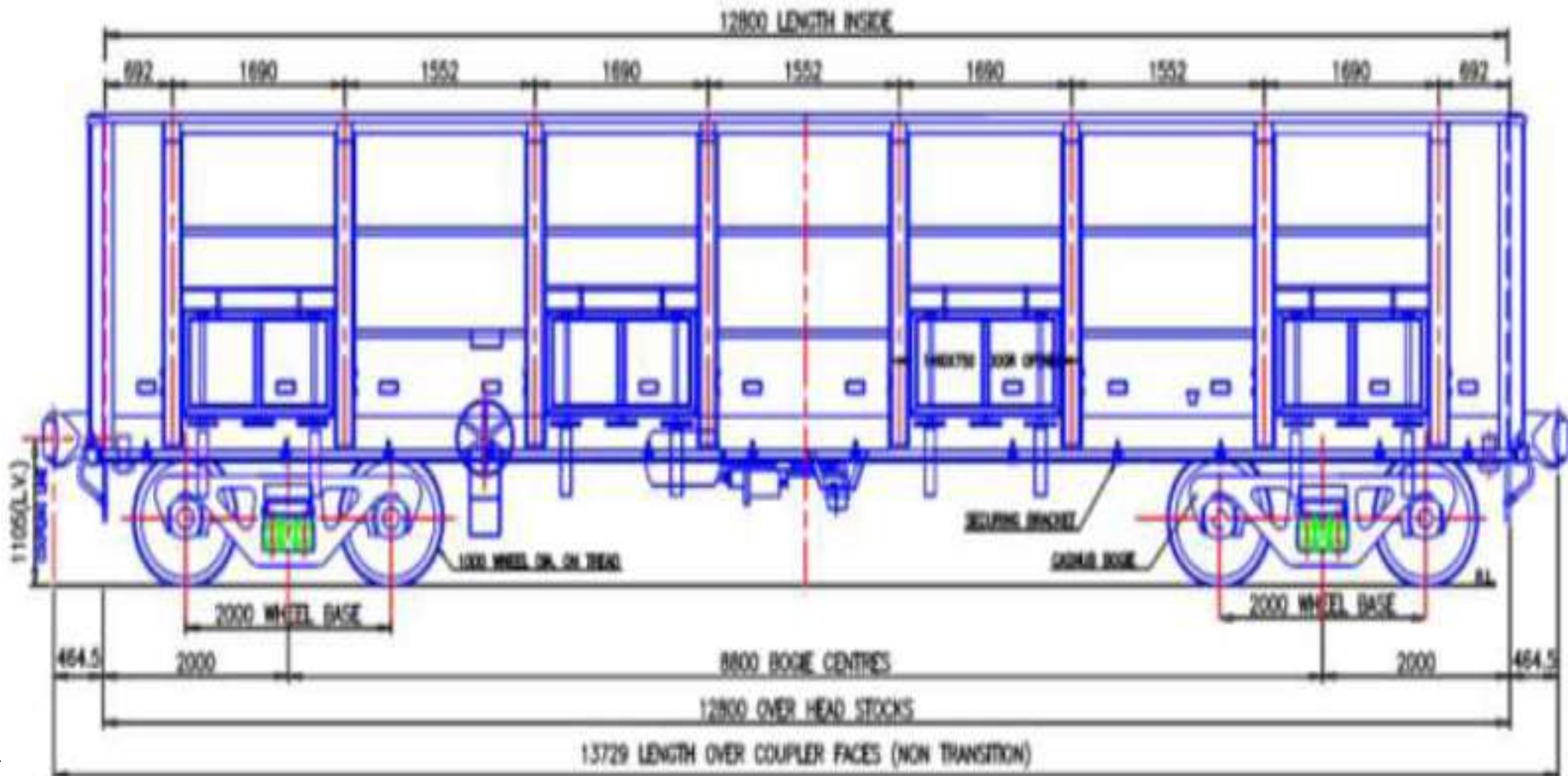


STANDARD FEATURES OF BOXNAL WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	9784
2.	Length over couplers (mm)	10713
3.	Width inside/Width Overall (mm)	3022/3250
4.	Height inside/Height (max.) from RL.	2066/3341
5.	Bogie centers (mm)	6524
6.	Cubic Capacity (Cu.M)	61.47
7.	Axle load (tonne)	22.9
8.	Tare Weight (tonne)	21.2
9.	Pay load (tonne)	70.4
10.	Gross load (Pay+Tare) (tonne)	91.6

BOST WAGON(ST=Steel)

This bogie open wagon was designed for transportation of coal as well as steel products. The under frame has been strengthened during the design to sustain point loading of steel consignment.



STANDARD FEATURES OF 'BOST' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	12800
2.	Length over couplers (mm)	13729
3.	Width inside/Width Overall (mm)	2850/3100
4.	Height inside/Height (max.) from RL.	1950/3080
5.	Bogie centers (mm)	8800
6.	Cubic Capacity (Cu.M)	65.79
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	25.5
9.	Pay load (tonne)	55.78
10.	Gross load (Pay+Tare) (tonne)	81.28

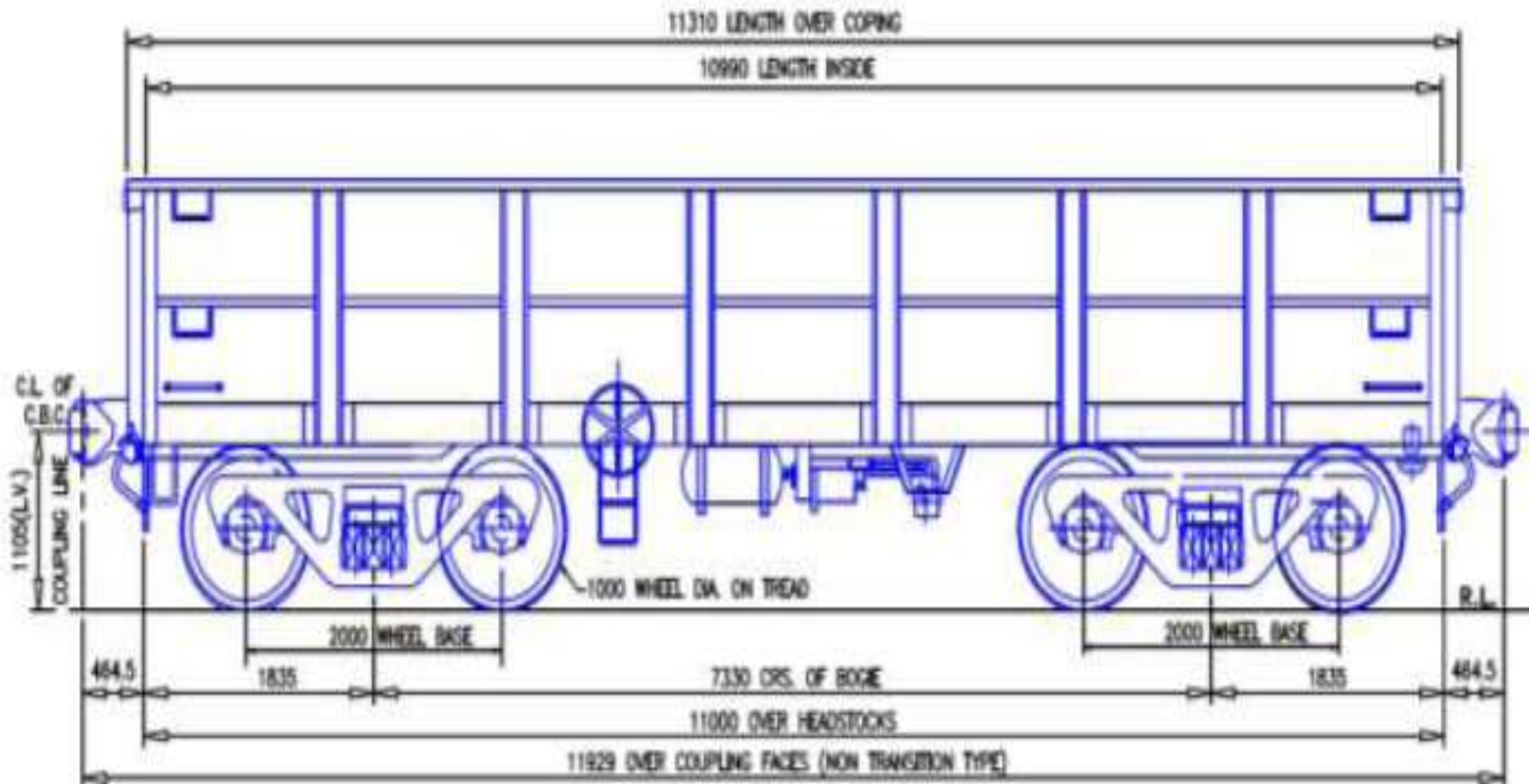
BOSTHS WAGON

The wagon is variant of BOST wagon with operating speed of 100 kmph in empty and 100 kmph in loaded condition. In this wagon high speed bogies have been provided. The other parameters of this wagon are same as of BOST wagon.

BOYEL WAGON(B=Bogie,O=Open,Y=Low Side,EL=Enhanced Load

This wagon has been designed for transportation of iron ores, coal etc.

BOYEL wagons fitted with Casnub-22NLC bogies with a maximum axle load 25 t.

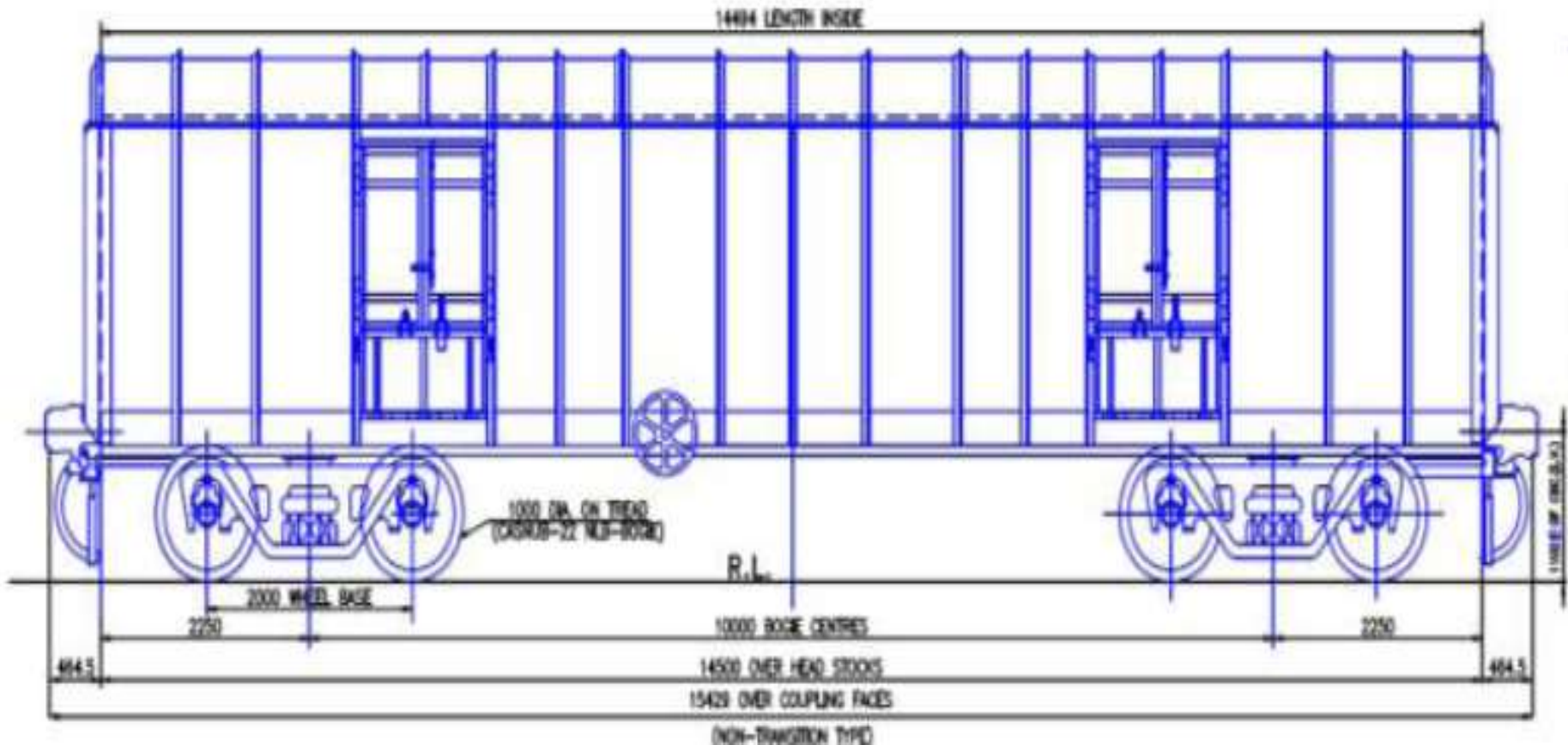


STANDARD FEATURES OF 'BOYEL' WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	11000
2.	Length over couplers (mm)	11929
3.	Width inside/Width Overall (mm)	2924/3134
4.	Height inside/Height (max.) from RL.	1175/2450
5.	Bogie centers (mm)	7330
6.	Cubic Capacity (Cu.M)	37.8
7.	Axle load (tonne)	25
8.	Tare Weight (tonne)	20.7
9.	Pay load (tonne)	79.3
10.	Gross load (Pay+Tare) (tonne)	100

BCN COVERED WAGON

This bogie covered wagon designed at 20.32t axle load in 1984. The construction of wagon was purely riveted. The wagon was designed for transportation of bag commodities.

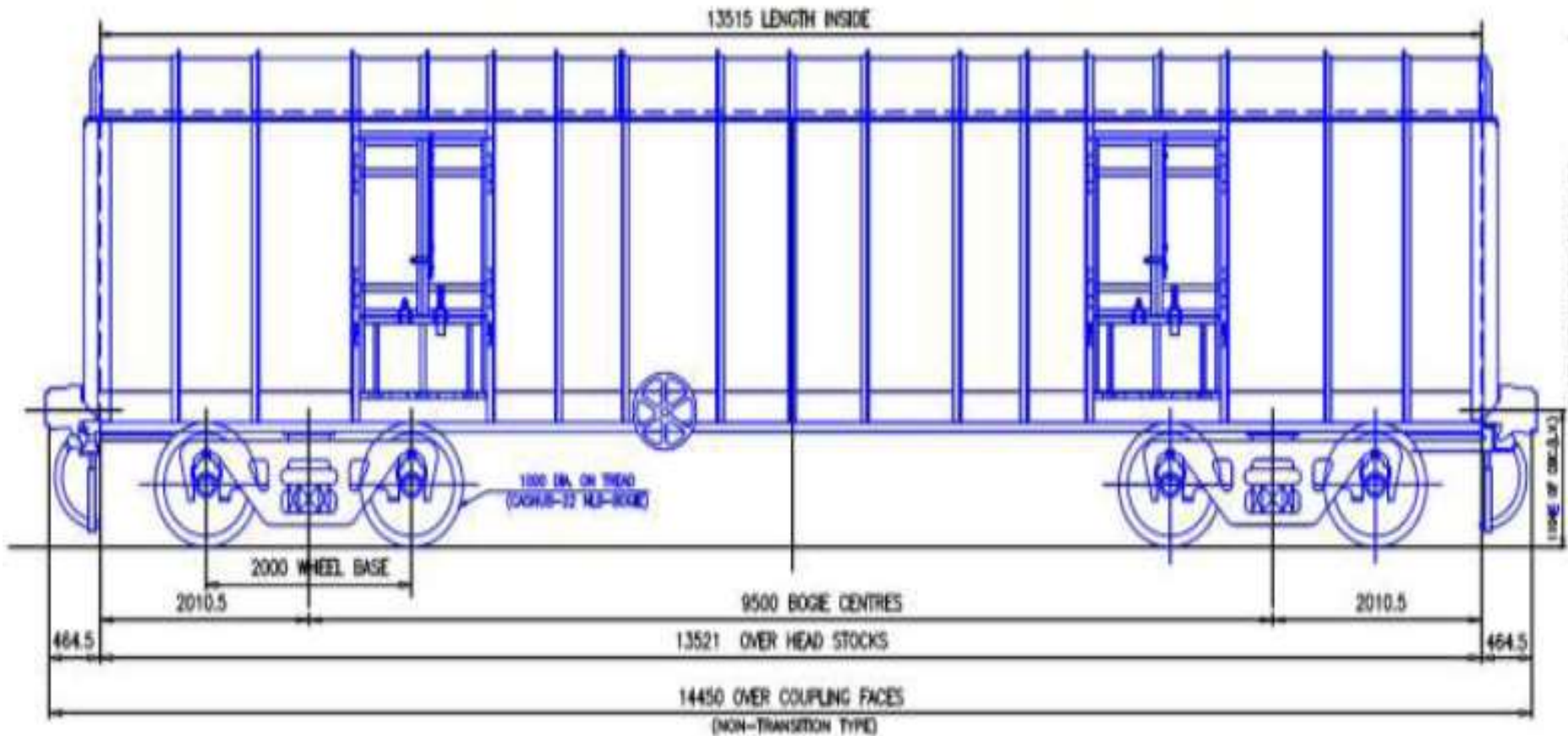


STANDARD FEATURES OF 'BCN' COVERD WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	14500
2.	Length over couplers (mm)	15429
3.	Width inside/Width Overall (mm)	2944/3100
4.	Height inside/Height (max.) from RL.	2446/3788
5.	Bogie centers (mm)	10000
6.	Cubic Capacity (Cu.M)	104.00
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	27.20
9.	Pay load (tonne)	54.08
10.	Gross load (Pay+Tare) (tonne)	81.28

BCNA COVERED WAGON(Here A=Altitude)

This wagon is an improved BCN wagon having reduced length and increase height by keeping volumetric capacity same and the wagon was fully welded construction.



STANDARD FEATURES OF 'BCNA' COVERD WAGON

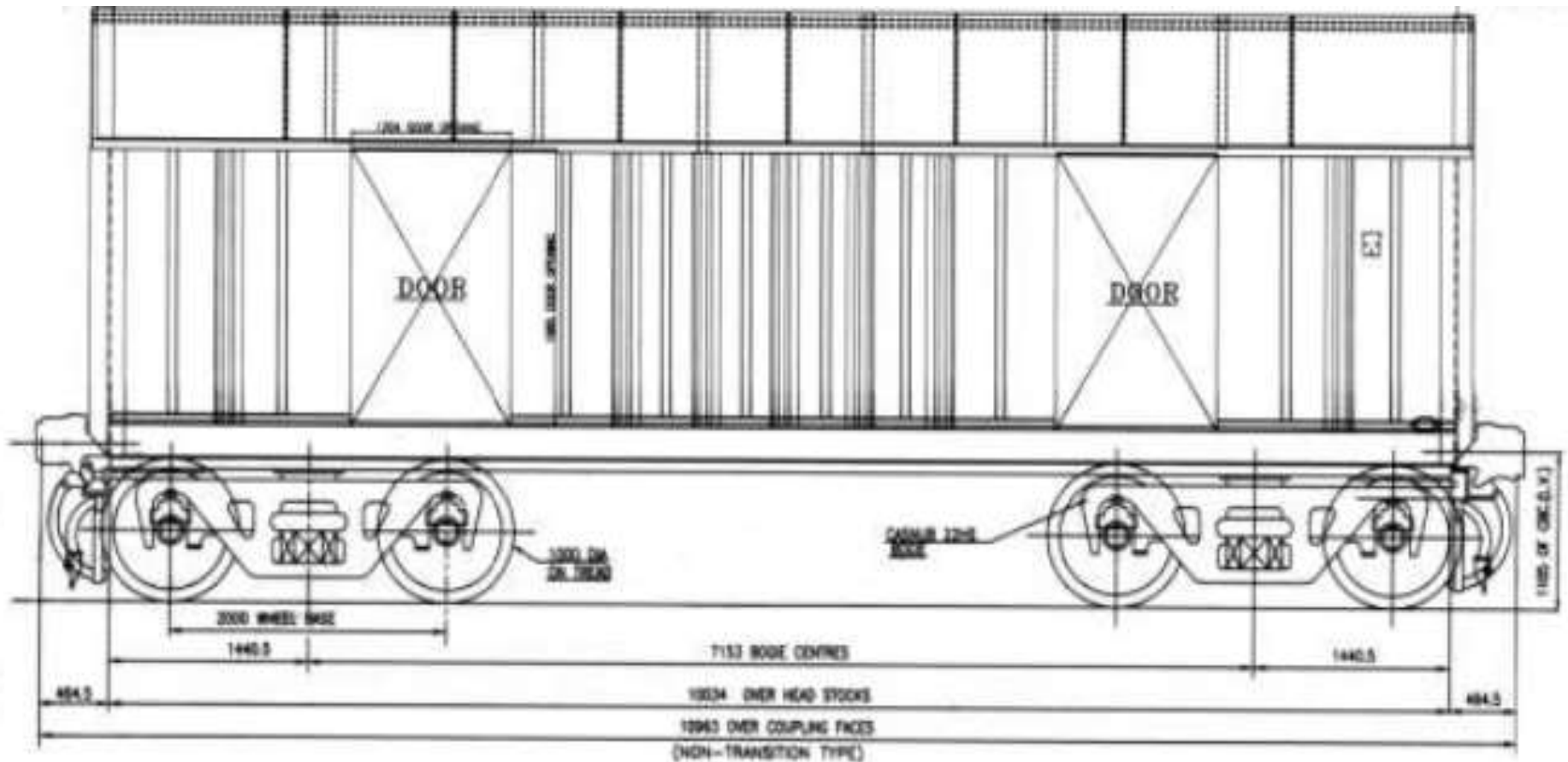
S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	13521
2.	Length over couplers (mm)	14450
3.	Width inside/Width Overall (mm)	2944/3200
4.	Height inside/Height (max.) from RL.	2677/4017
5.	Bogie centers (mm)	9500
6.	Cubic Capacity (Cu.M)	103.40
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	24.55
9.	Pay load (tonne)	56.73
10.	Gross load (Pay+Tare) (tonne)	81.28

BCNAHS COVERED WAGON

This wagon is variant of BCNA wagon with high speed bogie CASNUB-22HS-BOGIE. The other parameters of this wagon are same as of BCNA wagon.

BCNHL COVERED WAGON

This wagon fitted with twin pipe graduated release air brake system, high tensile non transition type CBC and stainless steel, CRF section body.



STANDARD FEATURES OF BCNHL WAGON

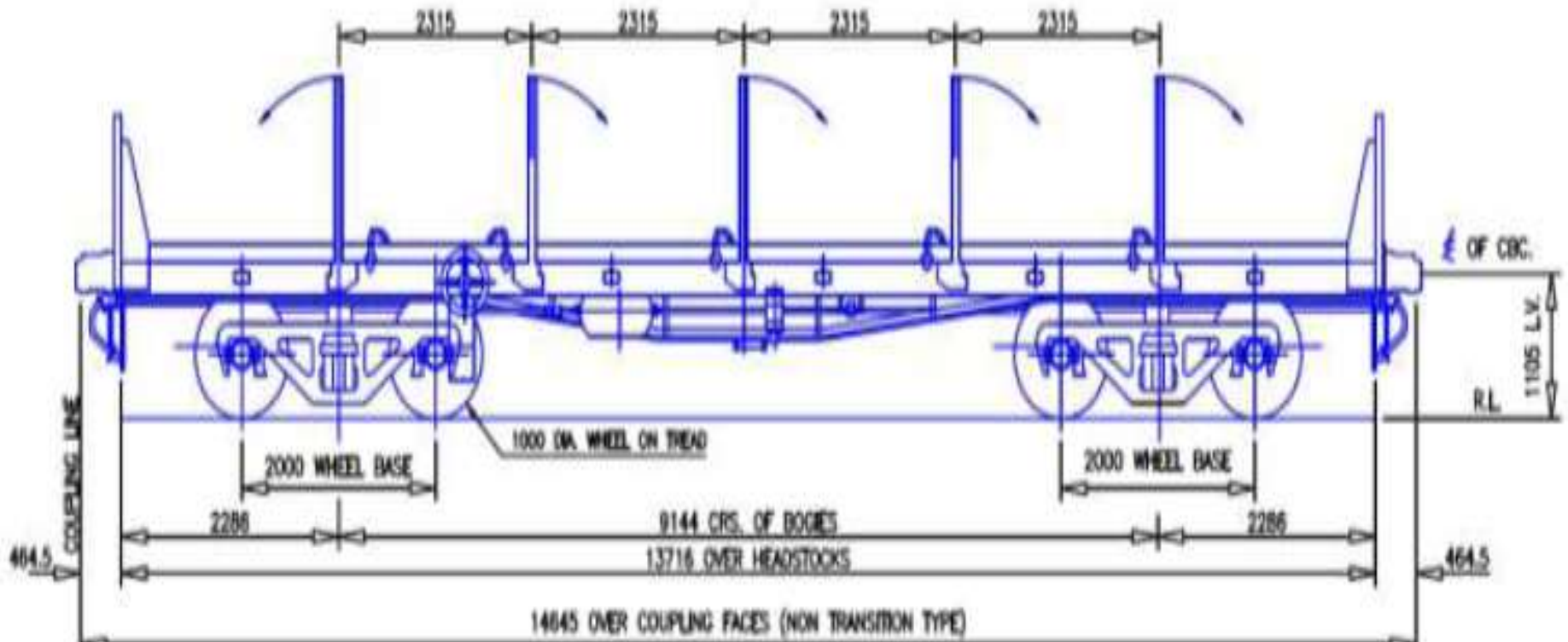
S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	10034
2.	Length over couplers (mm)	10963
3.	Width inside/Width Overall (mm)	3345 / 3450
4.	Height inside/Height (max.) from RL.	3024/4305
5.	Bogie centers (mm)	7153
6.	Cubic Capacity (Cu.M)	92.54
7.	Axle load (tonne)	22.9
8.	Tare Weight (tonne)	20.8
9.	Pay load (tonne)	70.8
10.	Gross load (Pay+Tare) (tonne)	91.6

STANDARD FEATURES OF BCBFG WAGON (Here BFG=Hopper Food Grains)

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	11861
2.	Length over couplers (mm)	12790
3.	Width inside/Width Overall (mm)	3140/3250
4.	Height (max.) from RL.	4260
5.	Bogie centers (mm)	8661
6.	Cubic Capacity (Cu.M)	81.76
7.	Axle load (tonne)	21.82
8.	Tare Weight (tonne)	26.44
9.	Pay load (tonne)	60.84
10.	Gross load (Pay+Tare) (tonne)	87.28

BRN FLAT WAGON(B=Bogie,R=Rail Carriaing ,N=A/Brake)

This bogie rail wagon was designed in 1994. The wagon Design is with air brake and welded construction.



STANDARD FEATURES OF 'BRN' FLAT WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	13716
2.	Length over couplers (mm)	14645
3.	Width inside/Width Overall (mm)	2845
4.	Height (max.) from RL.	2544
5.	Bogie centers (mm)	9144
6.	Axle load (tonne)	20.32
7.	Tare Weight (tonne)	24.393
8.	Pay load (tonne)	56.887
9.	Gross load (Pay+Tare) (tonne)	81.28

STANDARD FEATURES OF BRHNEHS WAGON

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	13716
2.	Length over buffer/coupler (mm)	14986/14998
3.	Width inside/Width Overall (mm)	2845/3049
4.	Height inside/from RL.	1564/2008
5.	Bogie centers (mm)	9144
6.	Cubic Capacity (Cu.M)	Flat wagon
7.	Axle load (tonne)	20.32
8.	Tare Weight (tonne)	22.6
9.	Pay load (tonne)	58.68
10.	Gross load (Pay+Tare) (tonne)	81.28

BFNS FLAT WAGON

The wagon was designed specially for transportation of hot rolled/cold rolled coils, plates, sheets and billets etc.

S.No	PARTICULARS	Parameter
1.	Length over head stock (mm)	13716
2.	Length over couplers (mm)	14645
3.	Width inside/Width Overall (mm)	2845
4.	Bogie centers (mm)	9144
5.	Axle load (tonne)	20.32
6.	Tare Weight (tonne)	26.71
7.	Pay load (tonne)	54.57
8.	Gross load (Pay+Tare) (tonne)	81.28

HOPPER TYPE "BOBR" WAGON

This wagon is designed for transportation of coal with bottom discharge facility for faster evacuation.

