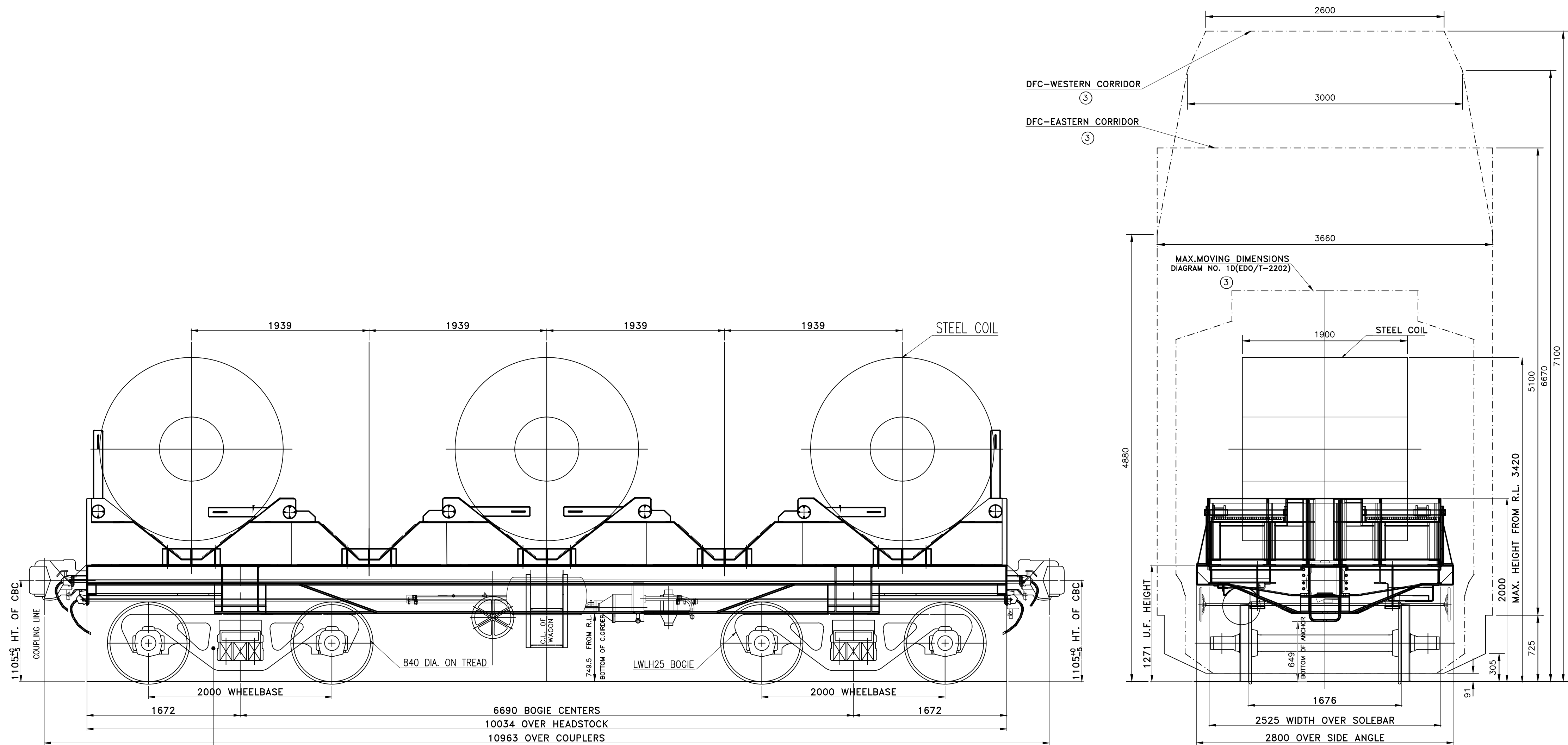
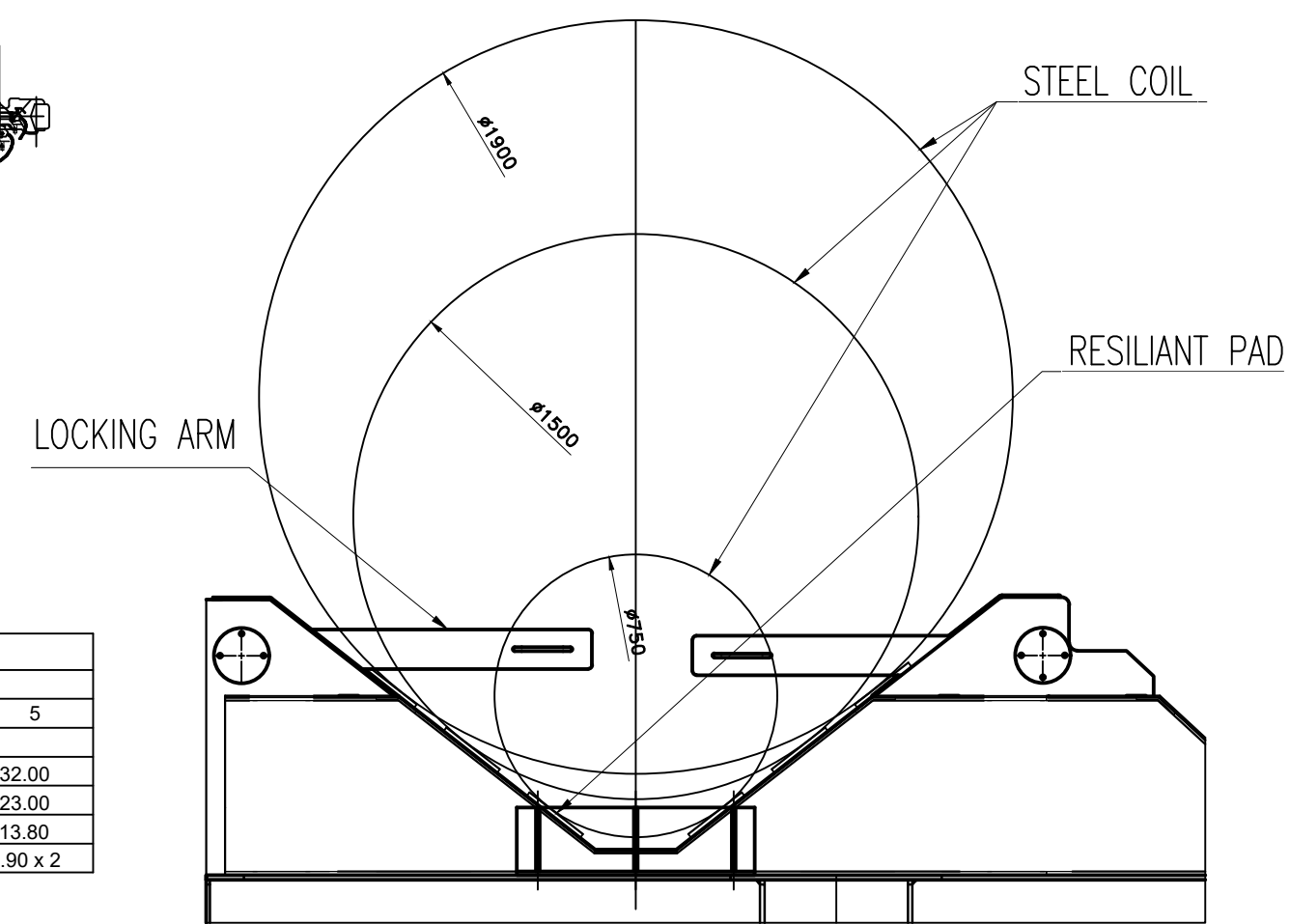


SUMMARY OF WEIGHTS (ESTIMATED)	
DESCRIPTION	MEASURES
WEIGHT OF UNDERFRAME	10.13 t
BOGIE BRAKE GEAR COMPLETE	0.70 t
BOGIE COMPLETE	9.85 t
TWO CBC COMPLETE	1.320 t
ESTIMATED TARE	22.0 t
PAY LOAD	69.6 t
GROSS LOAD	91.6 t
AXLE LOAD (MAX.)	22.9 t
RATIO (PAY LOAD TO TARE)	3.16
GROSS LOAD PER METER RUN OVER COUPLING FACES	8.355 t/m
NO. OF WAGON PER RAKE (636 m)	58
NO. OF POCKET PER WAGON	5
MAX. C.G. PER RAKE (58 WAGONS)	4036.8 t
HEIGHT OF CBC FROM R.L.	1105 mm
C.G. FROM R.L. (EMPTY)	875 mm
C.G. FROM R.L. (LOADED)	2017 mm
LOADING COMMODITY FOR WHICH WAGON IS DESIGNED	STEEL COILS (HR & CR)
COIL ARRANGMENT IN POCKET	EYE TO PLATFROM / SOLEBAR

BOGIE DATA (TARE)		
S.NO.	DESCRIPTION	mm.
1.	HT. OF BOTTOM BOGIE FRAME FROM R.L. AT CENTRE	149
2.	DISTANCE FROM R.L. TO TOP PIVOT	654.5
3.	DISTANCE FROM R.L. TO TOP OF SIDE BEARER	780.5
4.	HEIGHT OF SPRINGS	256.5
5.	WHEEL DIA ON TREAD	840
6.	WHEEL DIA ON TREAD CONDEMNING SIZE	780
7.	DIA. OF WHEEL SEAT	213
8.	JOURNAL CENTRES	2260
9.	JOURNAL SIZE	157.2X226.8

SALIENT FEATURES	
RESILIENT PAD FOR IMPACT LOADING & SHOCK ABSORPTION.	
ALTERNATE OPTION FOR LOADING & UNLOADING BY FORKLIFT.	
SECURING ARRANGEMENT FOR COILS.	
RESTRICTED PLATEMENT OF HEAVY COILS.	
UNDERFRAME DESIGN IS SUITABLE FOR 25 t AXLE LOAD.	

Loading Pattern for 22.9 t Axle Load					
Max. Coil Weight in Pockets					
No. of Coils	1	2	3	4	5
1			32.00		
2	32.00				32.00
3	23.00		23.00		23.00
5	13.80	13.80	13.80	13.80	13.80
10	6.90 x 2	6.90 x 2	6.90 x 2	6.90 x 2	6.90 x 2



ENLARGED DETAIL - A

ALT.	ITEM	AUTHY	DESCRIPTION	DATE	ASSEMBLY DRG.
6	WD-19024		DRAWING REVISED AND REDRAWN	09/2021	
5	WD-19024		LOADING OF SINGLE COIL IN WAGON CENTRAL	08/2021	
4	WD-19024		SHOCK ADDED	02/2021	
3	WD-19024		NOTE DELETED & FOR SPEED CERTIFICATE IN	02/2021	
2	WD-19024		TITLE BLOCK DELETED	10/2020	
1	WD-19024		S.O. OF DFC ADDED AND MMD 10-2004 REVISED	10/2020	
1	WD-19024		MIN. HT. OF CRS GIRDER FROM R.L. & MAXI CBC HT. FROM R.L. ADDED AND C.G. HT. REVISED.	03/2020	
1	WD-19024		DRAWING REVISED	02/2020	

PRELIMINARY SKETCH		ONLY FOR PROTOTYPE APPLICATION UNDER GUIDANCE OF RDSO.(WAGON)	
SUPERSEDED BY	DATE	SUPERSEDES	DATE
SCALE	PASSED S.JAUHRI	CHECKED DINESH	04/19
DRAWN	AMIT	04/19	
REPLATED	J.S.NO.	WD-19024	04/19
B.G.		R.D.S.O. GROUP	
[W]		WD-19024-S-02	

DIAGRAM