



भारत सरकार GOVERNMENT OF INDIA
रेलमंत्रालय MINISTRY OF RAILWAYS
रेलवे बोर्ड RAILWAY BOARD



No. 2005/M(N)/204/3(E-3346728)

Dated: 14.07.2025

**Principal Chief Mechanical Engineers
All Zonal Railways**

Sub: Modification of gearboxes in BOBYN Wagon.

Ref: (i) RB's letter no. 2005/M(N)/204/3(E-3346728) dated 29.04.2025
(ii) RB's letter no. 2019/M(N)/60/7pt. (E- 3333599) dated 16.05.2025
(ii) RDSO letter no. MW/BOBYN dated 11.07.2025 (Copy enclosed)

Vide Board's letter under reference (i), Zonal Railways were requested to carry out modifications in BOBYN wagons and the RSP against which the cost of this modification is to be booked, was allotted vide Board's letter under reference (ii).

Raipur Wagon Workshop/SECR was advised to carry out the modifications in two BOBYN wagons and submit a report. Pursuant to the report received from Raipur Workshop, RDSO has incorporated the suggested changes in the revised drawings, which have been issued vide RDSO's letter under reference (ii).

Zonal Railways are requested to **expedite the modification work during POH** of wagons in workshops, in accordance with the revised drawings issued by RDSO. Additionally, the *feasibility of implementing these modifications during ROH* or sick-line attention may be examined by carrying out the modifications on *10 wagons as a pilot project*.

Since Coaching Depot/LKO/NR was associated in the modification from the developmental stage, ROH depots may seek guidance and feedback from Coaching Depot/LKO for successful implementation of the pilot project.

(Happy Walia)
EDME (Freight)
Railway Board

Email: edmef@rb.railnet.gov.in

Copy to:

1. **PSO to MTRS** – for kind information of MTRS
2. **ED/Wagon /RDSO** – for information and necessary action please.



Fax : 91-0522-2452494
Telephone : 91-0522-2456165



भारत सरकार –रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226011
Government of India - Ministry of Railways
Research Designs & Standards Organization
Lucknow – 226011

No. MW/BOBYN

Date: 11.07.2025

**EDME(Freight)
Railway Board
Rail Bhavan
New Delhi – 110 001**

Sub: Modification of gearboxes in BOBYN Wagon.

Ref: (i) Railway Board letter No.2005/M(N)/204/3(E-3346728)dated 07.07.2025
(ii) CWM Raipur letter no. WRS/R/09/2025-26/06 dt 03.07.2025

Vide Railway Board letter under reference (i), report pertaining to modification for provision of Gear Encasing and Lubrication arrangement in two BOBYN wagons carried out at Raipur workshop was forwarded to this office for issuance of revised drawings if required.

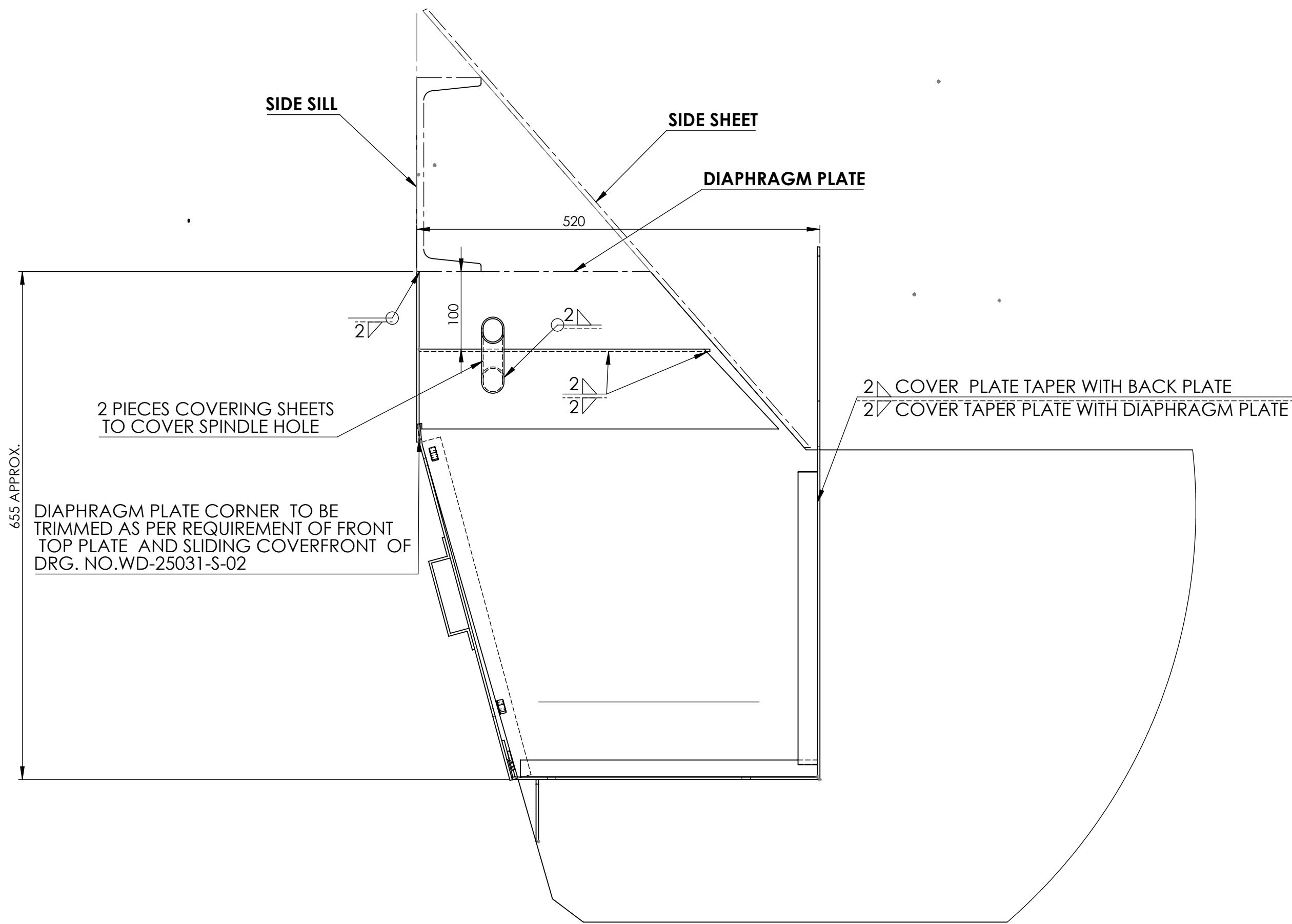
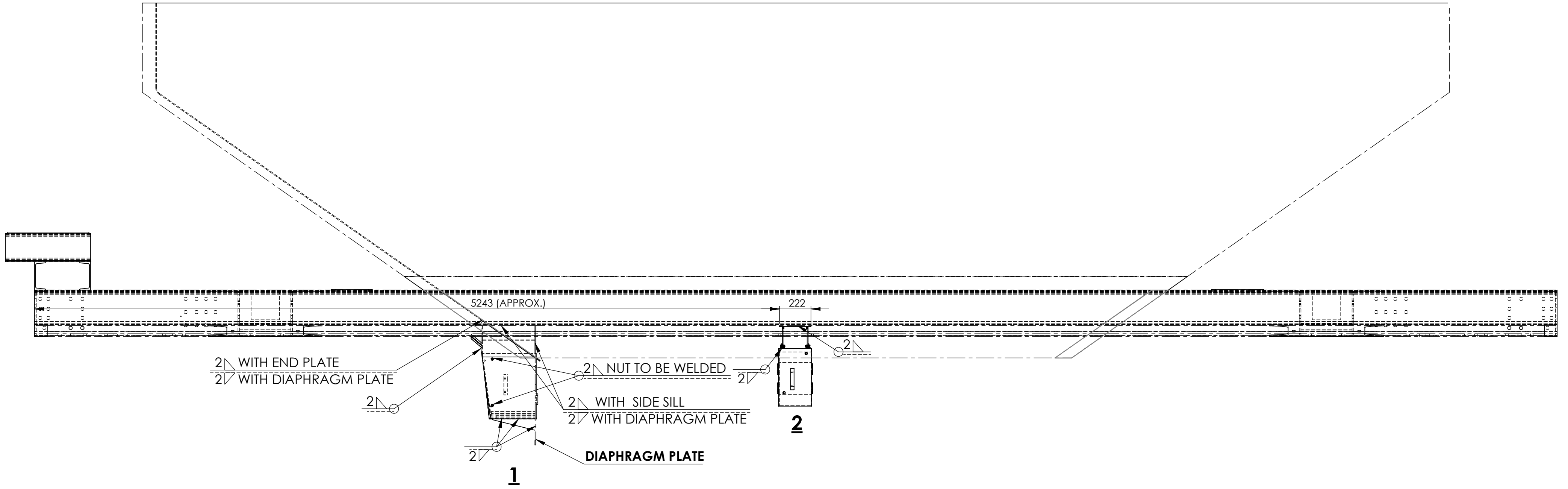
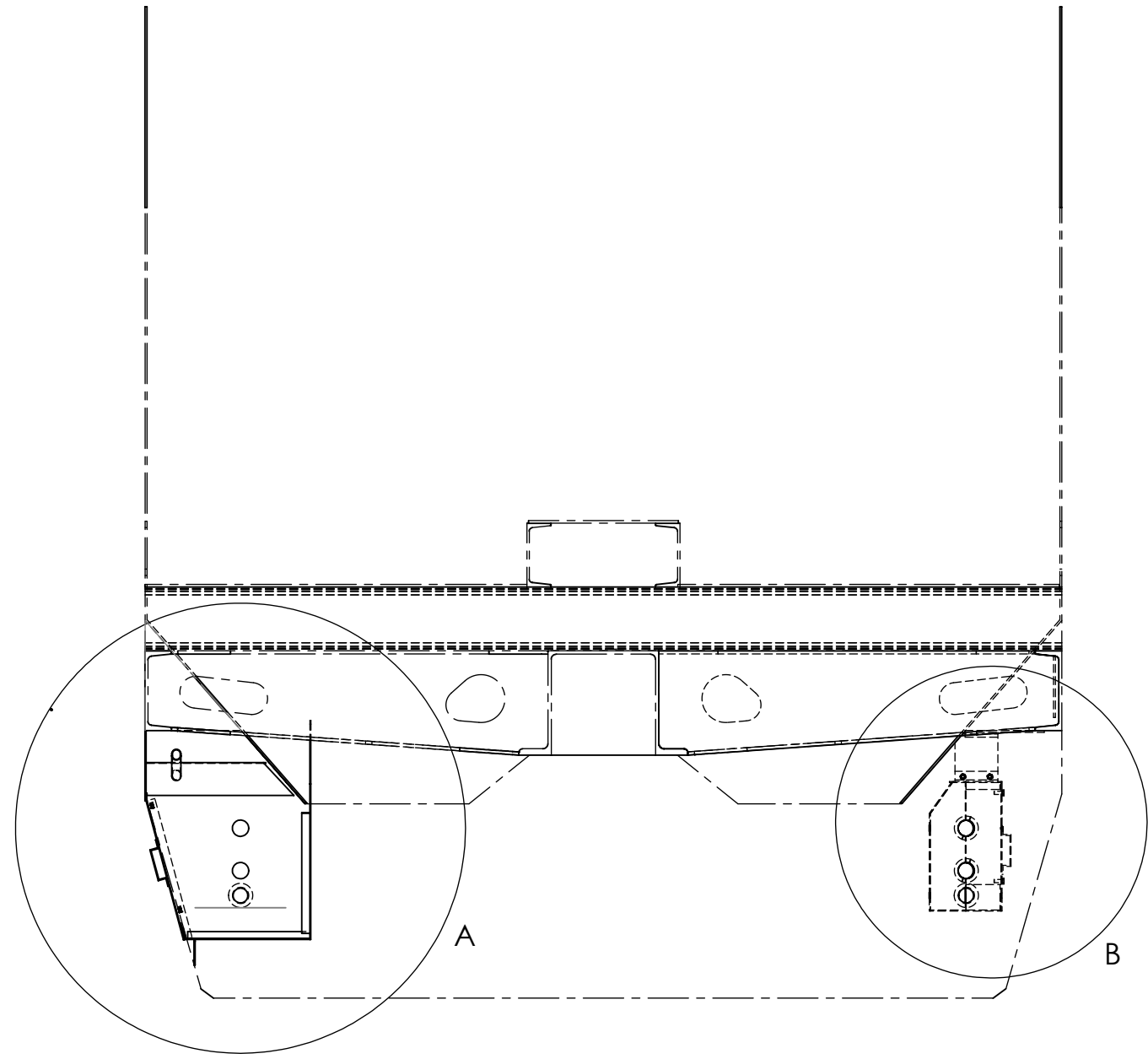
The modification report submitted by CWM Raipur vide reference (ii) has been examined and necessary changes have been made in 3 drawings i.e. drawing nos. WD-25031-S-01, WD-25031-S-02 and WD-25031-S-03. The modified drawings are attached as Annexure-A.

Further it is requested that in the initial stage of implementation, the modification may be carried out as a pilot project for new manufacturing of BOBYN wagons. The newly manufactured prototype BOBYN wagons with the above modification shall be inspected by Wagon design directorate and based on the successful prototype inspection, series production of BOBYN wagons with the subject modification may be allowed.

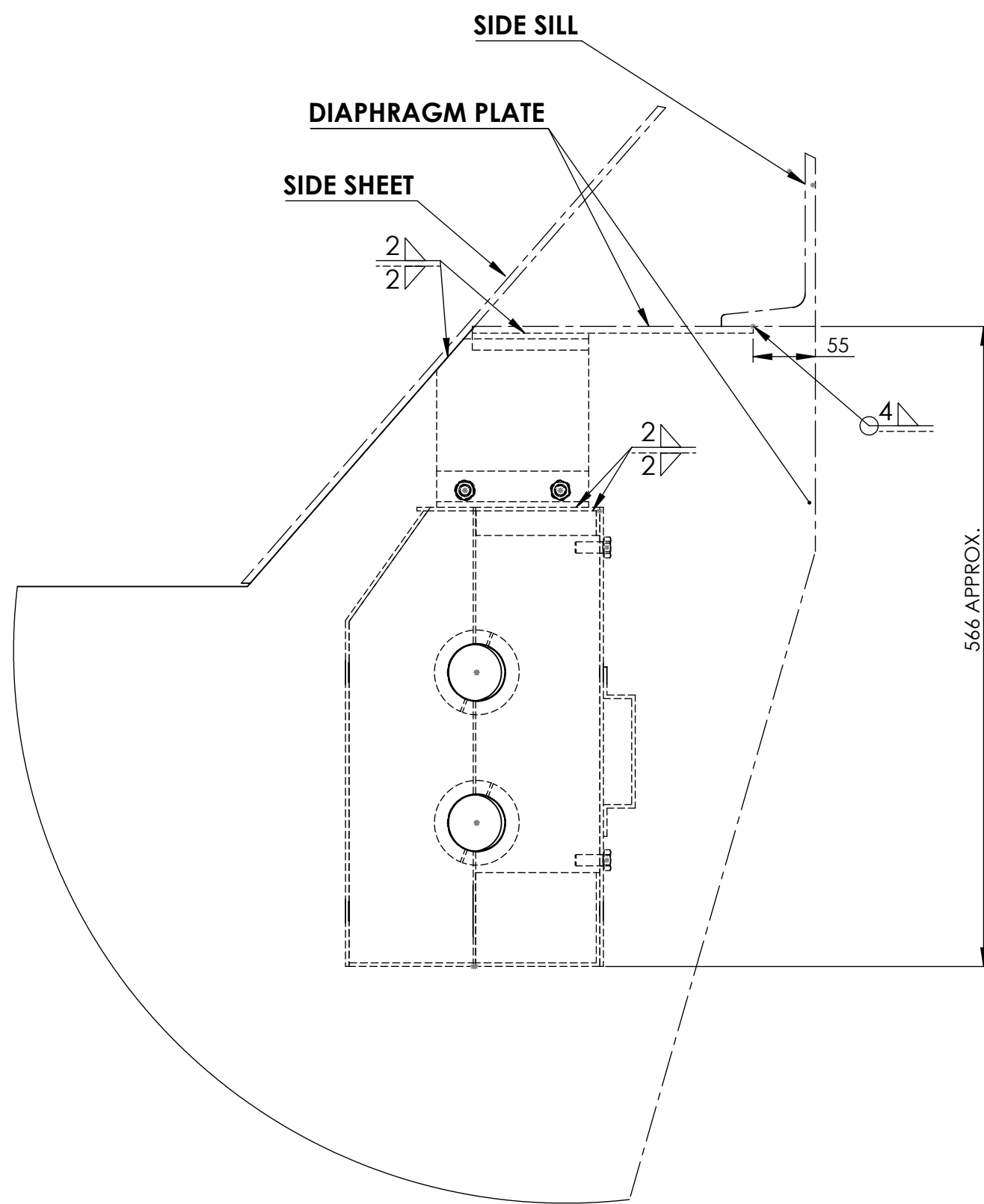
Moreover, it is also requested that since during the development stage of this modification, LKO Coaching Depot of Northern Railway has been closely associated for development of one prototype wagon; their experience may be utilized for carrying out the subject modification in 10-15 wagons in order to ascertain the feasibility of this modification during ROH/Open line maintenance.

DA: Annexure-A



Digitally Signed by
Dushyant Singh
(Dushyant Singh)
Joint Director, Wagon
For EDS (Wagon) RDSO
Date: 11-07-2025 10:55

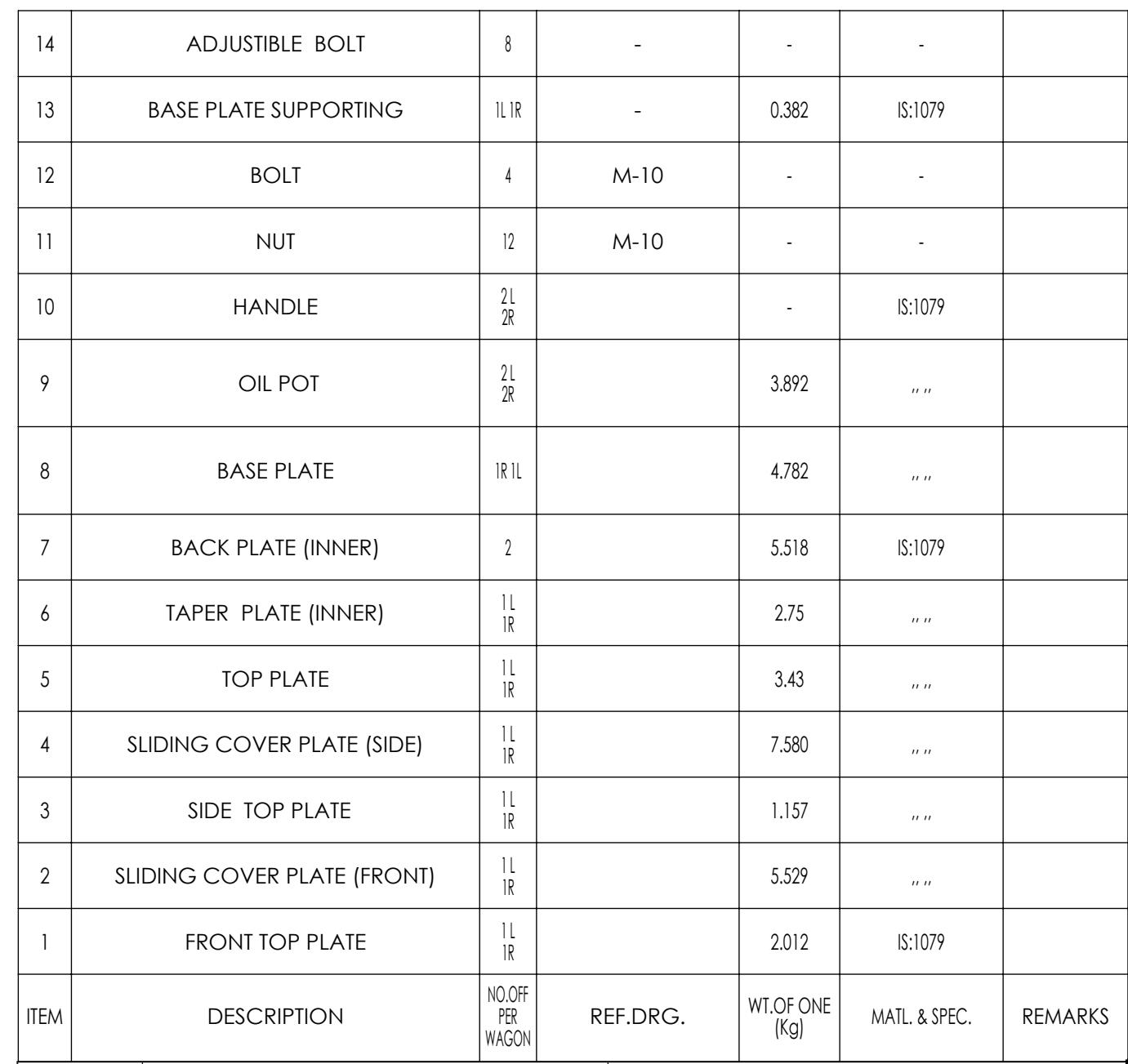


DETAIL A
SCALE 1 : 5



DETAIL B
SCALE 1 : 5


2	DUST COVER ARRGT. & DETAILS FOR PINION	02 SET	-			
1	DUST COVER ARRGT. & DETAILS FOR GEAR	02 SET	-			
ITEM	DESCRIPTION	NO.OFF PER WAGON	REF.DRG.	WT.OF ONE (Kg)	MATL. & SPEC.	REMARKS
			PRELIMINARY SKETCH		ONLY FOR PROTOTYPE APPLICATION UNDER GUIDANCE OF RDSO	
SUPERSEDED BY			BOGIE HOPPER WAGON TYPE 'BOBYN'			
SUPERSEDES		DATE				
SCALE	PASSED	DUSHYANT SINGH	DOOR OPERATING GEAR AND PINION COVER ARRANGEMENT			
	CHECKED	D.R.RIZVI				
	DRAWN	S. SAI				
	J.S.NO.	25031				
B.G.		R.D.S.O. [W]	GROUP	WD-25031-S-01		



NOTE:-

1. LUBRICATING OIL TO IS:13656-2002, GR.-SAE-40 TO BE USED TO FILL THE OIL POT.
2. GEAR OIL SHALL BE FILLED UPTO THE HEIGHT OF 55mm FROM BOTTOM OF OIL POT WITH BASE PLATE (WD-25031-S-02, ITEM NO.9), OR (2 LITERS APPROX.).

14	ADJUSTIBLE BOLT	8	-	-	-	
13	BASE PLATE SUPPORTING	1L 1R	-	0.382	IS:1079	
12	BOLT	4	M-10	-	-	
11	NUT	12	M-10	-	-	
10	HANDLE	2L 2R		-	IS:1079	
9	OIL POT	2L 2R		3.892	SP 12	
8	BASE PLATE	1R 1L		4.782	SP 12	
7	BACK PLATE (INNER)	2		5.518	IS:1079	
6	TAPER PLATE (INNER)	1L 1R		2.75	SP 12	
5	TOP PLATE	1L 1R		3.43	SP 12	
4	SLIDING COVER PLATE (SIDE)	1L 1R		7.580	SP 12	
3	SIDE TOP PLATE	1L 1R		1.157	SP 12	
2	SLIDING COVER PLATE (FRONT)	1L 1R		5.529	SP 12	
1	FRONT TOP PLATE	1L 1R		2.012	IS:1079	
ITEM	DESCRIPTION	NO.OFF PER WAGON	REF.DRG.	WT.OF ONE (Kg)	MATL. & SPEC.	REMARKS

	PRELIMINARY SKETCH		ONLY FOR PROTOTYPE APPLICATION UNDER GUIDANCE OF RDSO	
	SUPERSEDED BY		BOGIE HOPPER WAGON TYPE 'BOBYN'	
	SUPERSEDES	DATE		
	SCALE	PASSED	DUSHYANT SINGH	07/25
/	CHECKED	D.R.RIZVI	07/25	DUST COVER ARRANGEMENT AND DETAILS FOR GEAR
	DRAWN	S. SAI	07/25	
	J.S.NO.	WD-25031	05/25	
B.G.	R.D.S.O.		GROUP	WD-25031-S-02
	[W]			

ALT.	ITEM	AUTHY	DESCRIPTION	DATE	ASSY. DRG.
------	------	-------	-------------	------	------------

