



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

Design, Development, Supply, Installation, Testing & Commissioning of Standard Gauge Trackworks (Ballasted and Ballastless) in Kasheli Depot Track Work for Line 5 Corridor of Mumbai Metro Rail Project of MMRDA, Mumbai.

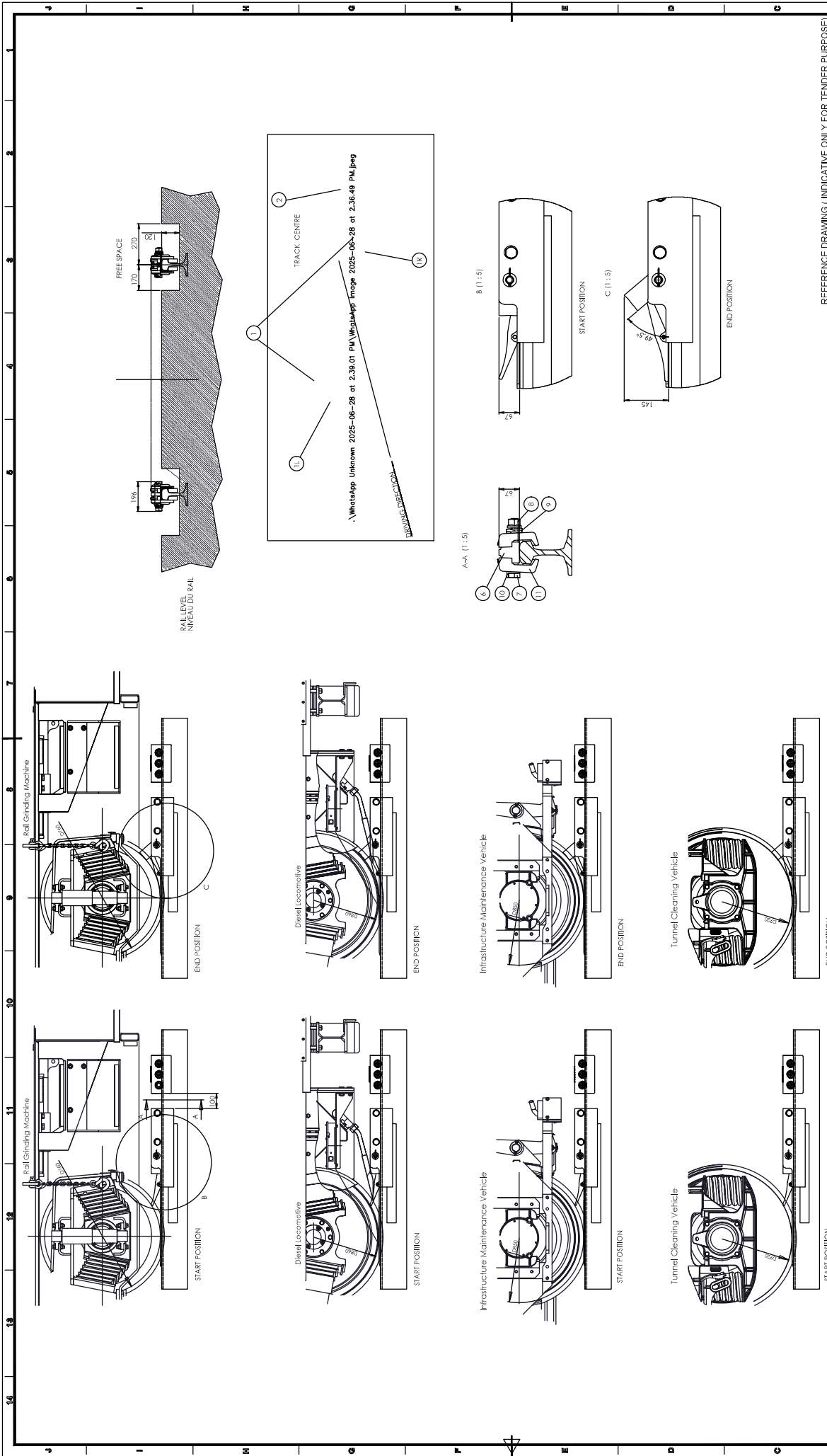
CONTRACT NO: MMRDA/ML5/MMRP/CA-303

VOLUME 5

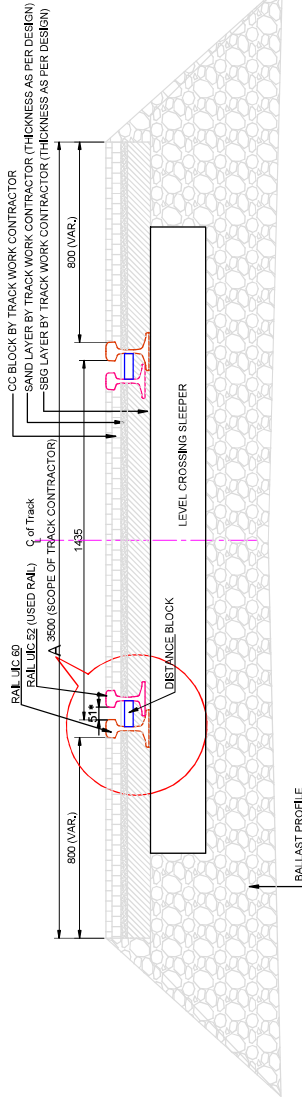
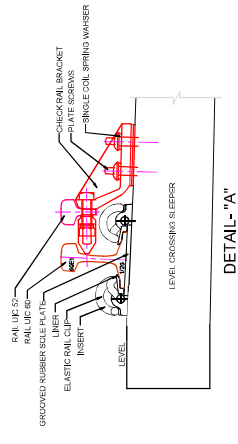
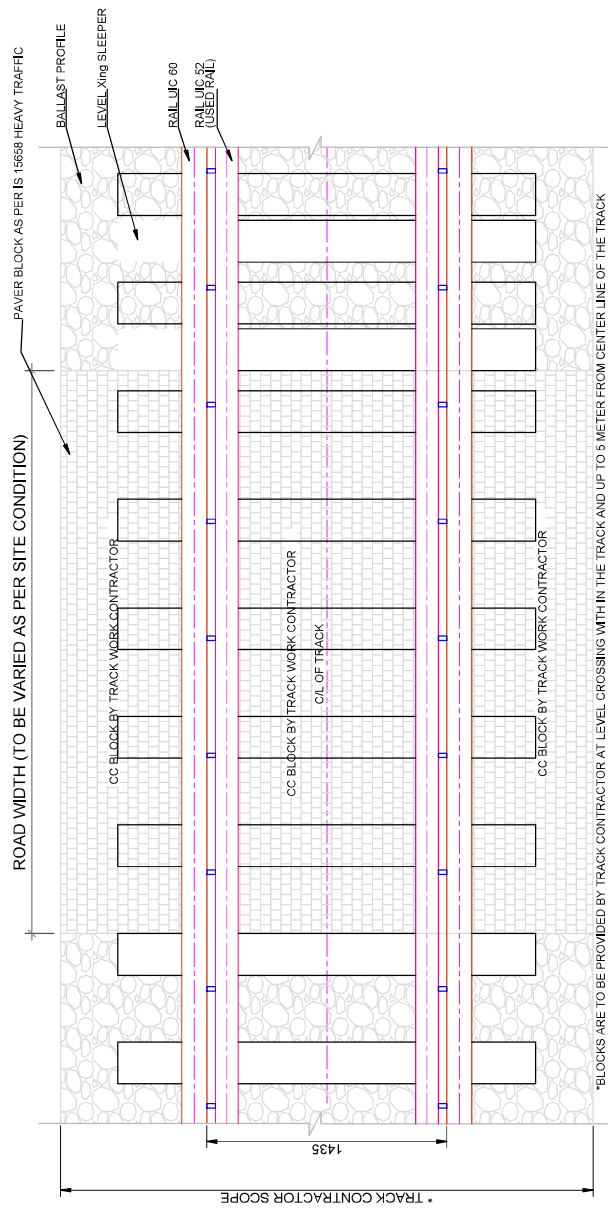
TENDER DRAWINGS

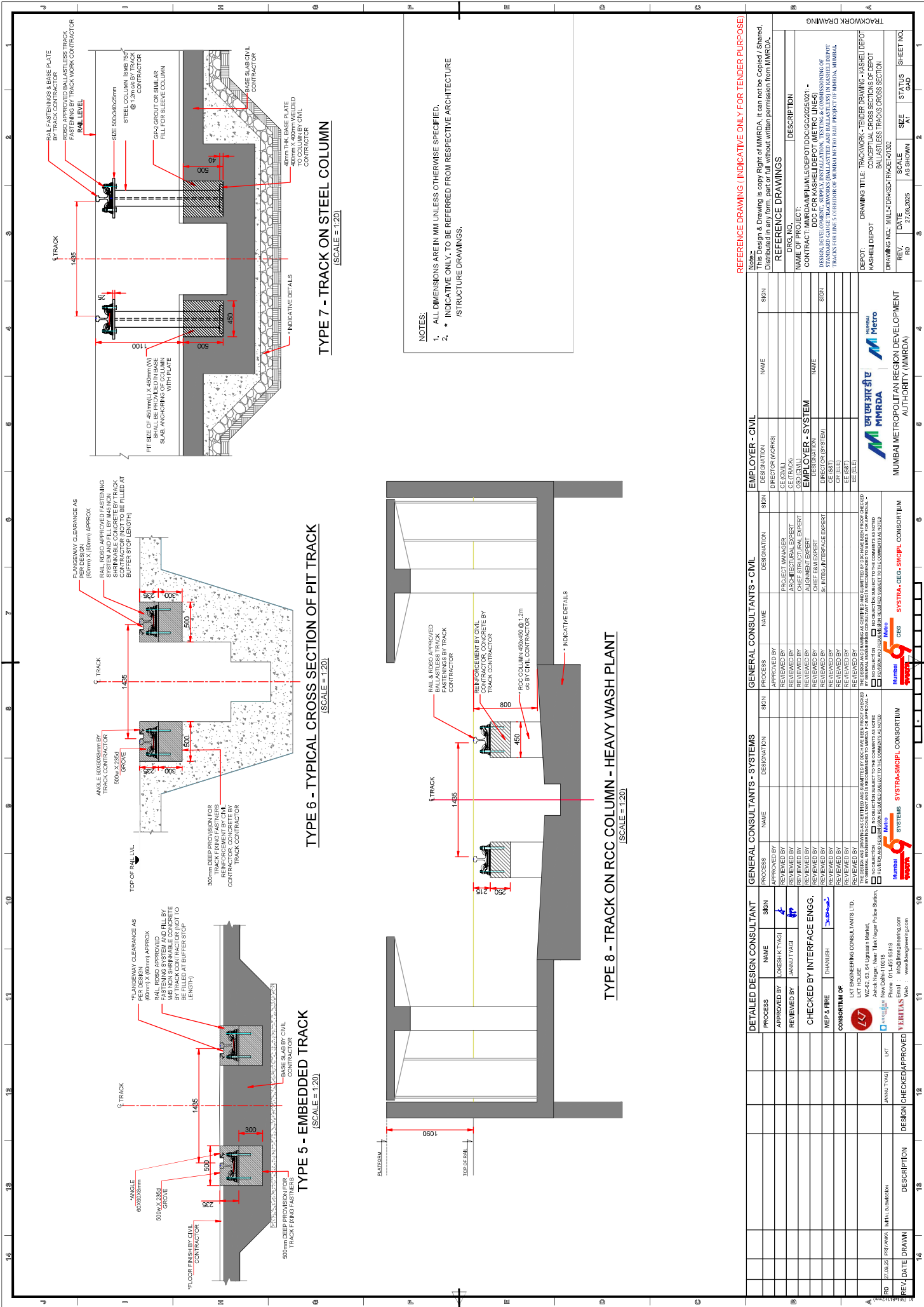
MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

**Metro PIU, 5th Floor, Old Administrative Building,
Bandra-Kurla Complex, Bandra (E), Mumbai –400 051, India**



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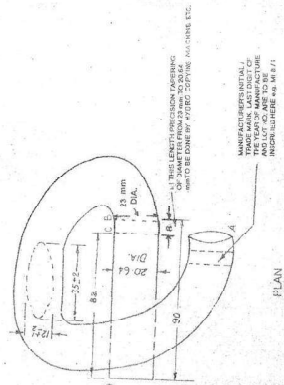
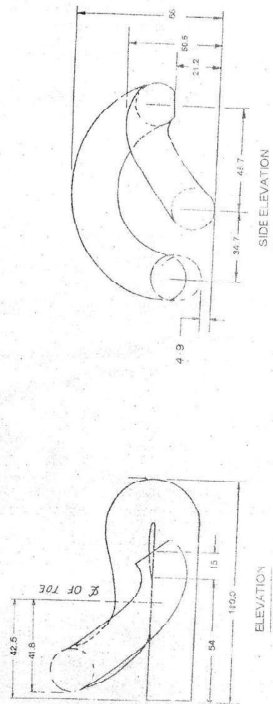
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- NOTES:
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. * INDICATIVE ONLY, TO BE REFERRED FROM RESPECTIVE ARCHITECTURE STRUCTURE DRAWINGS.

REFERENCE DRAWING (INDICATIVE ONLY FOR TENDER PURPOSE)

DETAILED DESIGN CONSULTANT				GENERAL CONSULTANTS - SYSTEMS				GENERAL CONSULTANTS - CML				EMPLOYER - CIVIL			
PROCESS	NAME	SIGN		PROCESS	NAME	DESIGNATION	SIGN	PROCESS	NAME	DESIGNATION	SIGN	PROCESS	NAME	DESIGNATION	SIGN
APPROVED BY	LOKESH K TYAGI			APPROVED BY		PROJECT MANAGER		APPROVED BY		ARCHITECTURAL EXPERT		APPROVED BY		CE (CML)	
REVIEWED BY	JANUJI TYAGI			REVIEWED BY		CHIEF STRUCTURAL EXPERT		REVIEWED BY		CHIEF STRUCTURAL EXPERT		REVIEWED BY		CE (TRACK)	
CHECKED BY INTERFACE ENGG.				REVIEWED BY		ALIGNMENT EXPERT		REVIEWED BY		ALIGNMENT EXPERT		EMPLOYER - SYSTEM			
				REVIEWED BY		SE INTERF. INTERFACE EXPERT		REVIEWED BY		SE INTERF. INTERFACE EXPERT		REVIEWED BY		PROJECT MANAGER	
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				REVIEWED BY				REVIEWED BY				REVIEWED BY		CE (ELE)	
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				THE DESIGN AND DRAWING IS CERTIFIED AND SUBMITTED AS SUCH HAVE BEEN PROCEED CHECKED FOR ALL THE REQUIRED AND NECESSARY REQUIREMENTS SUBJECT TO THE COMMENTS AS NOTED				THE DESIGN AND DRAWING IS CERTIFIED AND SUBMITTED AS SUCH HAVE BEEN PROCEED CHECKED FOR ALL THE REQUIRED AND NECESSARY REQUIREMENTS SUBJECT TO THE COMMENTS AS NOTED				THE DESIGN AND DRAWING IS CERTIFIED AND SUBMITTED AS SUCH HAVE BEEN PROCEED CHECKED FOR ALL THE REQUIRED AND NECESSARY REQUIREMENTS SUBJECT TO THE COMMENTS AS NOTED			
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				L&T HOUSE				L&T HOUSE				L&T HOUSE			
				W-202, CO. 64, Uppanah Market				W-202, CO. 64, Uppanah Market				W-202, CO. 64, Uppanah Market			
				New Delhi-110018				New Delhi-110018				New Delhi-110018			
				Phone: 011-45515518				Phone: 011-45515518				Phone: 011-45515518			
				Email: info@lengengineering.com				Email: info@lengengineering.com				Email: info@lengengineering.com			
				Web: www.lengengineering.com				Web: www.lengengineering.com				Web: www.lengengineering.com			
REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025	REV. DATE	17/01/2025
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APPROVED		APPROVED		APPROVED		APPROVED		APPROVED		APPROVED		APPROVED		APPROVED	
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SYSTRA-SHCPPL CONSORTIUM				SYSTRA-SHCPPL CONSORTIUM				SYSTRA-SHCPPL CONSORTIUM				SYSTRA-SHCPPL CONSORTIUM			
CEG				CEG				CEG				CEG			
DRAWING TITLE: TRACKWORK - TENDER DRAWING - KASHI DEPOSIT				DRAWING TITLE: TRACKWORK - TENDER DRAWING - KASHI DEPOSIT				DRAWING TITLE: TRACKWORK - TENDER DRAWING - KASHI DEPOSIT				DRAWING TITLE: TRACKWORK - TENDER DRAWING - KASHI DEPOSIT			
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DIAMETERS:

PRECISION TAPERING OF
DIAMETER FROM 25mm
TO 20.64mm TUBE DONE
BY HYDRO COPING TURNING
MACHINE ETC.

2. CLIP SHALL BE CHECKED WITH INSPECTION GAUGE TO DRAWING-
N^o. P.D. S.O. T-5940.
1. ALL DIMENSIONS ARE IN MILLIMETERS.

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NOTE

THIS DRAWING IS THE PROPERTY OF
RESEARCH DESIGNS AND STANDARDS ORGANISATION
(MINISTRY OF RAILWAYS)
LUCKNOW-226001 INDIA
AND SHALL NOT BE USED, COPIED OR REPRODUCED
PART OR WHOLE WITHOUT PRIOR CONSENT IN WRITING
R.D.S.O.

R. D. S. O.

ELASTIC RAIL CLIP MK-V

WITH FLAT TOE FOR 60 kg

UIC/52 kg RAIL SECTIONS

ADVANCE
11-11-98
(T)

RDS07-5919

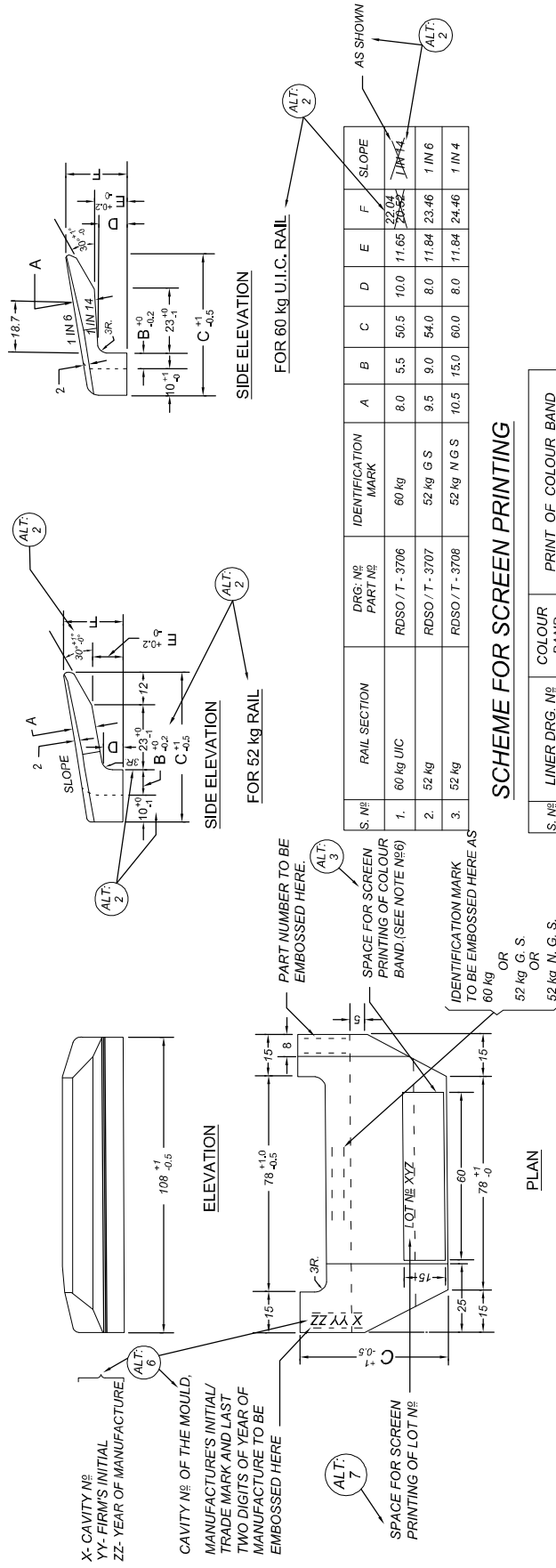
DATE _____

ALT:	DESCRIPTION

SCALE

SPECIFICATION

100



SCHEME FOR SCREEN PRINTING

S. No.	LINER DRG. No	COLOUR BAND	PRINT OF COLOUR BAND
1.	RDSO / T - 3706	WHITE	60 KG. RAIL ON 60 KG. SLEEPER
2.	RDSO / T - 3707	YELLOW	52 KG. RAIL ON 60 KG. SLEEPER (GS)
3.	RDSO / T - 3708	LIGHT GREEN	52 KG. RAIL ON 60 KG. SLEEPER (NGS)

9. THE LOCATION OF LOT N^o IS SHOWN IN PLAN.
10. THE LINER SHALL BE SCREEN PRINTED FOR LOT N^o XYZ FOR EACH YEAR FOR EACH DRAWING.
11. THE LINERS SHALL BE SCREEN PRINTED WITH LOT N^o XYZ IN SAME COLOUR AS PER TABLE TITLED SCHEME FOR SCREEN PRINTING WITH CHARACTERS (SIZE 3mm)
12. APPEARING IN BLACK COLOUR OF THE LINER.
13. THE LINERS SHALL BE SCREEN PRINTED WITH COLOUR BANDS IN DIFFERENT COLOURS AS PER TABLE TITLED "SCHEME FOR SCREEN PRINTING", WITH CHARACTERS (SIZE 3mm) APPEARING IN BLACK COLOUR OF THE LINER. THE LOCATION OF COLOUR BAND IS SHOWN IN THE PLAN.
14. INSPECTION OF LINERS SHOULD BE DONE WITH INSPECTION GAUGES AS PER DRG. N^o RDSOIT-3766
15. (a) G.S. STANDS FOR GAUGE SIDE OF 52kg RAIL.
16. (b) N.G.S. STANDS FOR NON GAUGE SIDE OF 52kg RAIL.
17. ALL SHARP EDGES TO BE ROUNDED OFF TO ABOUT 2R. EXCEPT WHERE OTHER WISE MENTIONED.
18. TOLERANCES ON DIMENSIONS WHERE NOT MENTIONED, SHALL BE ± 0.2 mm.
19. ALL DIMENSIONS ARE IN MILLIMETRES.

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<p>GLASS FILLED NYLON-66 INSULATING LINER FOR USE WITH ERC MK III FLAT TOE ON CONCRETE SLEEPER FOR 60kg UIC/52kg RAIL.</p>		<p>STAY # ADVANCE (T) REV/1 8-7-87</p>	
7.	LOT N ^o ADDED	25-7-02	
6.	CAVITY N ^o ADDED	12-6-2000	
5.	SPECIFICATION ALTERED	9-3-99	
4.	SPECIFICATION ALTERED	12-1-93	
3.	SCHEME FOR COLOUR PRINTING AND NOTE N ^o 6 ADDED	8-9-92	
2.	SIZE ELEVATION FOR 80 kg TOLERANCE: RADIUS AND NOTE 3 ADDED	15-6-88	
1.	SPECIFICATION ALTERED	19-6-67	
ALT.	DESCRIPTION	DATE	RODJOIT-3706 TO RODJOIT-3708