Rail Coach Factory, Kapurthala

Office of the Principal Chief Electrical Engineer

Dated: 09.04.2025

RCF/HSQ/ED/LHB/2008

PCMEs:

- 1. Central Railway, CST, Mumbai-400 001
- 2. Eastern Railway, Fairly Place, Kolkata-700 001
- 3. East Central Railway, Dighi, Disst- Vaishali, Hajipur-844 101
- 4. East Coast Railway, Chandra Shekharpur, Bhubneshwer-751 016
- 5. Northern Railway, Baroda House, New Delhi-110 001
- 6. North Central Railway, Hastings Road, Prayagraj 211 001
- 7. North Eastern Railway, Gorakhpur-273 001
- 8. North East Frontier Railway, Maligaon, Guwahati-781 001
- 9. Northern Western Railway Jaipur-302 006
- 10. Southern Railway, Park Town, Chennai-800 003
- 11. Southern central Railway Rail Nilayam Secundrabad-500 371
- 12. South Coast Railway, Visakhapatnam-530004.
- 13. South Eastern Railway., Gardern Reach, Kolkata-700 043
- 14. South East Central Railway Bilaspur-495 004
- 15. South Western Rly., 4th Floor, DRM Office, Sh. Laxmi Narayan Complex, Station Road Hubli-580 020
- 16. Western Railway , Church gate, Mumbai-400 020
- 17. West Central Railway., Jabalpur-482 001

Sub: Retro-fitment of Enhanced Capacity Pantry Equipment in existing LHB AC Hot Buffet Coach.

Ref: Railway Board letter no. 2022/M/(C)/137/1_Pantry, dated: 04.03.2025.

In reference to Railway Board letter referred above regarding Retro-fitment of enhanced capacity pantry equipment in existing LHB AC Hot Buffet Coach, Coach alteration instruction sheet to document no. **ED/CAI/041 Dated 09.04.2025** has been prepared and is being issued.

This is for your information and necessary action.

DA: Copy of CAI No. ED/CAI/041 DATED 09.04.2025.

(Kulwinder Singh)
DYCEE/D&D
for Principal Chief Electrical Engineer

Copy to:

PCME/RCF

PCME/ICF PCME/MCF In terms of referred Rly. Bd. Letter, similar arrgt. as per CAI for provision of enhanced capacity pantry equipment in existing new LHB AC Hot Buffet Coach (layout no. LH90001) to be followed by PUs.

RAIL COACH FACTORY, KAPURTHALA

CAI NO.: ED/CAI/041 dated: 09.04.2025



COACH ALTERATION INSTRUCTION FOR
RETRO-FITMENT OF ENHANCED
CAPACITY PANTRY EQUIPMENT IN
EXISTING LHB AC HOT BUFFET COACH



दस्तावेज़ सं.: ई.डी./सी.ए.आई./041

दिनांक 09.04.2025

Doc. No.: ED/CAI/041

Dated 09.04.2025

1. Foreward:

In reference to Railway Board letter no. 2022/M/(C)/137/1_Pantry, dated: 04.03.2025, Coach Alteration Instruction (CAI) is being issued for Retro-fitment of Enhanced Capacity Pantry Equipment in existing LHB AC Hot Buffet Coach. This covers the modification/additions/deletion to be carried out in the existing LHB AC Hot Buffet coach running in the Zonal Railways.

2. Reason for modification:

Retro-fitment of Enhanced Capacity Pantry equipments in Existing LHB AC Hot Buffet Coaches.

3. Details of Modifications:

Modification involves five sub-heads:

- Dismantle/Removal of existing pantry equipments in central aile area.
- Dismantle of Partition frame, Ceiling and Sliding Doors & Service counter Table .
- Modifications in Shell assembly, Flooring and Water pipeline in underframe.
- Rewiring Activities.
- Modifications in SBC for Enhanced pantry equipments.

4. Implementation by:

Replacement during POH by workshops or during Refurbishment by Coach Rehabilitation Workshop (as and when required).

5. Implementation Stage:

This clause covers various activities involved in retro-fitment of Enhanced Pantry Equipments.

Step-1: Removal/Dismantle of Existing Electric Cook Tops, Service Tables, Chimney arrangement and wiring in Pantry area:

This step covers various activities involved in Removal/Dismantle of existing pantry equipments as follows:

• Dismantle of the existing electrical connections of Electric cook tops, chimneys and Chimney control box.

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- Dismantle of chimney and chimney frames (along with chimney control box) by unscrewing from the cooking tables.
- Dismantle of the service tables (LHS and RHS), cooking tables (03 nos.) by unscrewing the mounting hardwares on the coach floors.
- Removal the complete wiring of Electric cook tops provided in the central aluminium extrusion in the roof upto SBC.
- Dismantling of service table counter (of size 920X520 only) including folding flap by unscrewing the mounting hardwares on the coach floors.

Step-2: Modification work for removal of partition frame ceiling arrangement/sliding doors (Shell, Furnishing & Plumbing activities (Mechanical) :

Modification work in **Shell, Furnishing & Plumbing activities** in Pantry area shall carried out as per **CAI no. CAI/RCF/MECH/LHB/097.** The existing/dismantled pantry equipment shall be removed/unloaded from the coach through vestibule area. As rollers are not provided in these items, care shall be taken while removing the equipments without not to damage the floor.

Step-3: Loading/Mounting/Wiring of Enhance Pantry Equipments in Pantry area: (Refer Drawing no. SKED 998)

This step includes Loading, Securing and Electrical wiring of Enhanced pantry equipments in pantry area.

- Loading of enhance capacity pantry equipments (Indicated in SKED 998) shall be done through Vestibule area. Care shall be taken while loading of pantry equipment to avoid damage to the coach floor.
- Placing of pantry equipment in Central aile of Pantry area as per SKED 998 and marking the holes on flooring matching with the holes provided on the Base of Pantry equipments. Tapped holes M8 size shall be done and securing of the Enhanced Pantry Equipments by screwing by M8X50 SS screw on the floor shall be done for which additional members as mentioned in CAI/RCF/MECH/ LHB/ 097 are provided.

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After securing the equipments, Chimney mounting structure as per ref. drawing no.
 SKED 1002 shall be fixed on the floor by drilling M8 size tapped holes as per the layout drawing SKED 998.

- Mount the Existing Chimney in the mounting structure such that the hoods of chimney matches with the existing cutouts provided in Roof.
- Mount the **Distribution Box-1** & **Distribution Box-2** at suitable location. Extra back pieces/fixing plates required for mounting purpose shall be done at site.

Plumbing activities

- Connect the water supply pipes through water softners to the inlets of **Combi-oven** and **Brat pan** from water supply points provided near them as per the requirement. Stop cocks shall be provided for maintenance purpose for each equipments.
- Proper arrangement of water drainage from Combi-oven shall be provided as per reference drawing no MI008237.

Step-4 Re-wiring activities

- Re-connect the existing input wires of Chimney coming from SBC to Chimney Control Box. Connect the output wiring of Chimney Control Box to each Chimney blowers as per the existing arrangement.
- For wiring of Enhanced Pantry Equipments, 3-phase 415V supply shall be tapped from Output Connections of 80A 4-pole MCCB (02 nos.) to be provided in SBC as per SKED 999. From each MCCB the 16mm² wires of (750V Grade) E-beam cables along with earth wire (GNY) to be provided up to the Distribution Box-1 and Distribution Box -2 in Pantry area.

• Distribution Box-1:

Consist of RCBOs of suitable ratings as mentioned in reference drawing for connections of Brat Pan, Work table with under storage, Deep Fryer-1&2, Induction cook Top (3-Phase).

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• Distribution Box-2:

Consist of RCBOs of suitable ratings as mentioned in reference drawing for connections of Combi Oven, Work table with under storage, Induction cook Top 02no. (3-Phase) each.

- Connect the Electrical wiring to each Enhanced pantry equipment From Distribution Box-1 & Distribution Box-2 as per detail given in SKED 999
- For wiring Harness details of enhanced pantry equipments Refer Annexure-A.

Step-5: Modification work in Switch Board Cabinet:

This step covers various activities involved in existing Switch Board Cabinet of LHB Hot Buffet Coach as follows: (Refer drawing no SKED 999 & 1001).

- The existing wiring of Electric cook tops shall be disconnected from their respective MCBs i.e. +S1F114, +S109, +S1F07 and wiring to be removed from SBC.
- Electrical wiring as well as MCBs i.e. +S1F114, +S109, +S1F07 provided for Electric cook tops shall be removed from SBC. Complete wiring upto the equipments to be removed.
- 2 nos. of 4-pole 80A Din rail mounted MCCBs to be provided in SBC at suitable location for provision of 3-phase 4-wire supply for Enhanced pantry equipments.
- Input connection of each 4-pole 80A MCCBs to be connected to 3-phase 4-wire 415 supply from output of Contactors K44 & K46. with provision of 3-conductor Cage clamp terminals to Part no.283-631 of M/s WAGO or equivalent appvd. make alongwith DIN Rail mountings (8nos).

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Enclosures:

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Ref. drawing no.	Drawing Description
SKED 998	Layout of Enhance Pantry Equipments.
SKED 999	Wiring Scheme for Enhance pantry Equipments.
SKED 1001	Location of ISOLATOR Switch in SBC.
SKED 1002	Structure for Chimney Mounting.
SKED 1003	Structure for Mounting of Water Softener
Annexure-A	Wiring Harness details of enhanced pantry equipments.
Annexure-B	Bill Of Material
Annexure-C	CAI No. CAI/RCF/MECH/LHB/097 dated 08.04.2025
Annexure-D	List of items to be retained and new items to be provided
MI008232	Water Piping arrgt. for retro fitment of pantry Equpt.
MI008237	Additional Supporting Members on Trough floor
LH10001	Layout of Partition Frames
LH10103	Partition frame between kitchen and non AC Compartment.
LH44121	Ceiling Arrangement in kitchen area.
LH44157	Vestibule & counter area ceiling mounting
	SKED 998 SKED 999 SKED 1001 SKED 1002 SKED 1003 Annexure-A Annexure-B Annexure-C Annexure-D MI008232 MI008237 LH10001 LH10103 LH44121

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					FROM		TC		
lar. No.	CABLE SIZE	COLOR	FERRULE NO.	(mm)	LOCATION	TER. NO.	LOCATION ·	TER. NO.	REMARKS
	16 sq.mm.	R	12 11 09.03	1000	+S1K46	2	+S1F126	1	415V SUPPLY-2
	16 sq.mm.	Υ	12 11 10.03	1000	+S1K46	4	+S1F126	2	
Α	16 sq.mm.	В	12 11 11.03	1000	+S1K46	6	+S1F126	3	
	16 sq.mm.	N	12 11 12.03	1000	+S1K46	8	+S1F126	N	
	16 sq.mm.	GNYE	PE	1000		PE		PE	
	16 sq.mm.	R	33 01 25.03	1000	+S1K44	2	+S1F125	1	415V SUPPLY-1
	16 sq.mm.	Y	33 01 26.03		+S1K44		+S1F125	2	7137 3011 21-1
В									
Ь	16 sq.mm.	В	33 01 27.03		+S1K44		+S1F125	3	
	16 sq.mm.	N	33 01 28.03		+S1K44	 	+S1F125	N	
	16 sq.mm.	GNYE	PE	1000		PE		PE	
	<u>, </u>								
	16 sq.mm.	R	12 11 13.01		+S1F126		+S1F119		415V SUPPLY-2
	16 sq.mm.	Υ	12 11 14.01	17000	+S1F126	4	+S1F119	2	
C	16 sq.mm.	В	12 11 15.01	17000	+S1F126	6	+S1F119	3	
	16 sq.mm.	N	12 11 16.01	17000	+S1F126	8	+S1F119	N	
	16 sq.mm.	GNYE	PE	17000		PE		PE	
	16 sq.mm.	R	33 01 30.01	12000	+S1F125	2	+S1F116	1	415V SUPPLY-1
	16 sq.mm.	Υ	33 01 31.01		+S1F125		+S1F116	2	
D	16 sq.mm.	В	33 01 32.01		+S1F125	-	+S1F116	3	
_	16 sq.mm.	N	33 01 33.01		+S1F125	-	+S1F116	N	
	16 sq.mm.	GNYE	PE	12000	7311 123	PE	1311110	PE	
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	110 ==	lo lo	TOE 10.01	4500	1,515110		051127	-	COMPLOVEN
	10 sq.mm.	R	95 19 01		+S1F119	ļ	95U37	-	COMBI OVEN
_	10 sq.mm.	Υ	95 19 03		+S1F119		95U37	2	
Ε	10 sq.mm.	В	95 19 05	ļ	+S1F119		95U37	3	
	10 sq.mm.	N	95 19 07		+S1F119		95U37	N	
	10 sq.mm.	GNYE	95 19 09	4500		PE	95U37	PE	
	1.5 sq.mm.	Υ	95 23 01	3000	+S1F123	2	95U31	1	HOT UNDERSTORAGE-1
F	1.5 sq.mm.	BLK	95 23 01	3000	+S1F123	4	95U31	2	
	1.5 sq.mm.	GNYE	95 23 01	. 3000		PE	95U31	PE	
	2.5 sq.mm.	R	95 20 01	4000	+S1F120	2	95U28	1	INDUCTION PLATE-1
	2.5 sq.mm.	Υ	95 20 03		+S1F120		95U28	2	
G	2.5 sq.mm.	В	95 20 05		+S1F120		95U28	3	
_	2.5 sq.mm.	N	95, 20 07	ļ	+S1F120		95U28	N	
	2.5 sq.mm.	GNYE	95 20 09	4000	-		95U28	PE	
	12.3 Sq.111111.	IGIALE	153 20.05	1 4000		1 12	153026	I FL	
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	2.5 sq.mm.		95 17 01		+S1F117		95U26A		INDUCTION PLATE-2.1
	2.5 sq.mm.		95 17 03		+S1F117		95U26A	2	
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	2.5 sq.mm.	R	95 18 01	5000	+S1F118	2	95U26B	1	INDUCTION PLATE-2.2
	2.5 sq.mm.	Υ	95 18 03	5000	+S1F118	4	95U26B	2	
1	2.5 sq.mm.	В	95 18 05	5000	+S1F118	6	95U26B	3	
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A COLUMN TO SERVICE AND ADDRESS OF THE PARTY	1.5 sq.mm.	Ιγ	95 24 01	4000	+S1F124	7	95U32	1	HOT UNDERSTORAGE-2
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		I.	las a : a :		1.04-15		logues		DCC0 CDVC= :
	6 sq.mm.	В	95 21 01		+S1F121		95U29		DEEP FRYER-1
K	6 sq.mm.	BLK	95 21 03	-	+S1F121		95U29	2	
	6 sq.mm.	GNYE	95 21 05	4000		PE	95U29	PE	
	6 sq.mm.	В	95 22 01	4000	+S1F122		95U30	1	DEEP FRYER-2
L	6 sq.mm.	BLK	95 22 03	4000	+S1F122	4	95U30	2	
	6 sq.mm.	GNYE	95 22 05	4000			95U30	PE	
				1000					
	10 sq.mm.	R	95 16 01	3000	+S1F116	1 2	95U25	1	BRAT PAN
		Y		-				-	·
6.2	10 sq.mm.		95 16 03	-	+S1F116		95U25	2	
M	10 sq.mm.	В	95 16 05		+S1F116		95U25	3	
	10 sq.mm.	N	95 16 07	3000	+S1F116	8	95U25	N	1
							95U25	PE	

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			Term Function			Manufacturer/	
lo.	It	em	Technical data	Quantity	Drawing No./Part No.	Supplier	Place of Installation
metermen	-	-	Combi Oven		item as per S.no. xviii) of clause 5 of the	RCF/ICF approved	
		00,	33.7.2.	_	specifiation no. EDTS-446, Rev-Nil, Am-1	source	
2	95	F17	Bart Pan	1	item as per S.no. ix) of clause 5 of the	RCF/ICF approved	
					specifiation no. EDTS-446, Rev-Nil, Am-1	source	
3	95	U28	Induction Hot Plate	1	item as per S.no. iii) of clause 5 of the	RCF/ICF approved	
	-				specifiation no. EDTS-446, Rev-Nil, Am-1	source	
					,		
_	95	U26	Induction Hot Plate	1	item as per S.no. iv) of clause 5 of the	RCF/ICF approved	
	-	-		_	specifiation no. EDTS-446, Rev-Nil, Am-1	source	
4	95	F21	Deep Fat Fryer	2	item as per S.no. xv) of clause 5 of the	RCF/ICF approved	f
7	33	F22	beep racriyer	-	specifiation no. EDTS-446, Rev-Nil, Am-1	source	
		122			Specification to to 15-440, fice (til, fill)	Source	
5	95	1131	Work Table with Hot	2	item as per S.no. i) of clause 5 of the specifiation	RCF/ICF approved	
J	33		Understorage	-	no. EDTS-446, Rev-Nil, Am-1	source	
		032	Oliderstolage		110. ED13-440, Rev-NII, AIII-1	Source	
6	95	U38	Microwave oven	1	item as per S.no. xvii) of clause 5 of the	RCF/ICF approved	
					specifiation no. EDTS-446, Rev-Nil, Am-1	source	
7	Γ		Wall Shelf	1	item as per S.no. viii) of clause 5 of the	RCF/ICF approved	
					specifiation no. EDTS-446, Rev-Nil, Am-1	source	
8			Water softener for Combi oven	1			
9	95	F19	RCBO, 4P, 40A	1	AUF3D404003	L&T	
			Combi Oven			ABB	
						SCHNEIDER	
						SIEMENS	S1F119
10	95	F16	RCBO, 4P, 32A	1	AUF3D403203	L&T	
			Bart Pan			ABB	
			Dure Full			SCHNEIDER	
						SIEMENS	S1F116
11	95	F17	RCBO, 4P, 10A	3	AUF3D401003	ABB	1021 220
11	"	1	Induction Hot Plate		70130401003	SCHNEIDER	S1F117
		F20	maction not riate			L&T	S1F118
		120	*			SIEMENS	S1F120
12	OF	E21	RCBO, 2P, 25A	-	AUF3D202503	L&T	317120
12	33	1		-	A0F5D202303	ABB	
		F22	Deep Fryer			SCHNEIDER	S1F121
							CONTRACTOR CONTRACTOR
12	l or	F22	DCDO 3D CA		AUF3D200603	SIEMENS L&T	S1F122
13	95		RCBO, 2P, 6A	4	AUF3D200603	1	
		1-24	Hot Understorage			ABB	545430
						SCHNEIDER	S1F123
	+	-	MACCE AR		F7C4 00N 4000	SIEMENS	S1F124
14			MCCB, 4P,	2	EZC100N4080	SCHNEIDER	
		1	80A,415V AC			ABB	645405
		1				SIEMENS	S1F125
	-	-			Language Could III to the Time	L&T	S1F126
15	1		Dstribution Board-1	[1	DR32S of M/s Hager/Legrand/Havelis	1	1
	-	-	(16way, 2 Row)			 	-
13			Dstribution Board-2	1	DR32S of M/s Hager/Legrand/Havells		
	-	-	(16way, 2 Row)			ļ	
17			E-Beam Cables	LOT	As per RDSO specification no.		
	1	1_			ELRS/SPEC/ELC/0019 (Latest Revision)		
18	1		Cable Jackets class R22/R23 in	LOT	PMA Jack		
			EN45545-2 with HL-2 category		Federal Mohul		
				1	Тусо		
-	1	1			MV electrosystems		
					ISG		
	L				Werner Hahm		
19			Ferrules class R22/R23 in	LOT	3		
		1	EN45545-2 with HL-2 category	1	Тусо		
					Phoenix		
20		T	PVC Rigid Conduit Ø40mm	LOT	IS:9537-83, Part-3		
21	-		Electrical Metallic Tubing 1"	LOT	IS:9537-83, Part-2	1	T
22		T	Structure for Chimney mounting		3 SKED-1002	T	1
	1	1			340		
		1-	Structure for Water softener	1	SKED-1003		1
23	3	1		1			

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1.

RAIL COACH FACTORY, KAPURTHALA

MD46431

Dated: 08.04.2025

Coach Alteration Instructions

1. CAI No.

: CAI/RCF/MECH/LHB/097

2. Group

: LHB -Shell /Fur

3. Description

: Modification in Support member as additional channel provided for

Enhanced Capacity Pantry Equipment in Existing Hot buffet type LHB

coach.

4. Authority for CAI : Rly. Bd L.No. 2022/M(c)/137/1 Pantry dated 04.03.2025

5. Drawing Nos.

: MI008237 alt nil (Shell) & MI008232 alt nil (FUR)

6. Modifications: Modification Work in Shell & Furnishing assembly

(Modifications applicable in existing LHB Hot Buffet Coach to layout no. LH90001(latest)

These modifications covering various modification activities involved in existing trough floor and furnishing area in the existing LHB Hot Buffetshall be as follows:

A). Furnishing Activity

- 1. Removal/Dismantle of Partition frame (towards SBC side), Ceiling arrangement and Sliding doors for removing the existing panty equipments.
- 2. Removal of the Ceiling in Pantry area and SBC/ gangway area.
- 3. Removal of the Partition frame between Pantry and SBC/gangway area
- 4. Removal of the Sliding doors on Endwall.
- 5. After completion of these steps, the dismantled pantry equipments shall be removed from the coach through the SBC side vestibule area.

330 Car

B). Shell Activity

- 1. After dismantling the above mentioned items additional channel or members as per drawing no. MI008237 alt nil shall be welded in the kitchen area.
- W. Provision of Holes in trough floor for water supply pipes required for Combi-Oven and Brat pan.
- 111: Provision of Drain holes in trough floor for water drainage required for Combi-Oven (ref. drawing MI008237 alt nil)
- IV. Flooring to be installed with provision of holes for water pipe and drain pipe line(ref. drawing MI008237 alt nil)

C). Plumbing Activity

I. The water piping arrangement and their layout for piping shall be re-arranged as per drawing no. MI008232 For **Combi-Oven and Brat pan.**

After completing the above activities flooring, partition , and other accessories will be furnished as per ref. drawing no. LH10001 ,LH10103 , LH44121 & LH44157.

- 7. **Reason for modification :** RB ref. letter no. as mentioned above for retro-fitment of LHB AC pantry car with enhance capacity pantry equipments.
- **8. Coaches concerned :** LHB AC Pantry car type coaches.
- 9. Implementation stage: During POH in workshop or as decided by User Railways.
- 10. Category of CAI :A/B
- 11. Tick A or B as applicable
 - A- Modification shall be implemented immediately by user railways
 - B- Modification shall be implemented by user railways as and when convenient.

Encls: Drawing as referred:

- i). MI008232
- ii). MI008237
- iii). LH10001
- iv). LH10103
- v). LH44121
- vi). LH44157

DYCME/Design

Annexure-D to ED/CAI/041dated08.04.2025

i) The existing equipments on the side wall (as per RCF specification **EDTS 118 (LATEST)** and existing coach layout **LH90001** to be retained as per under given details:

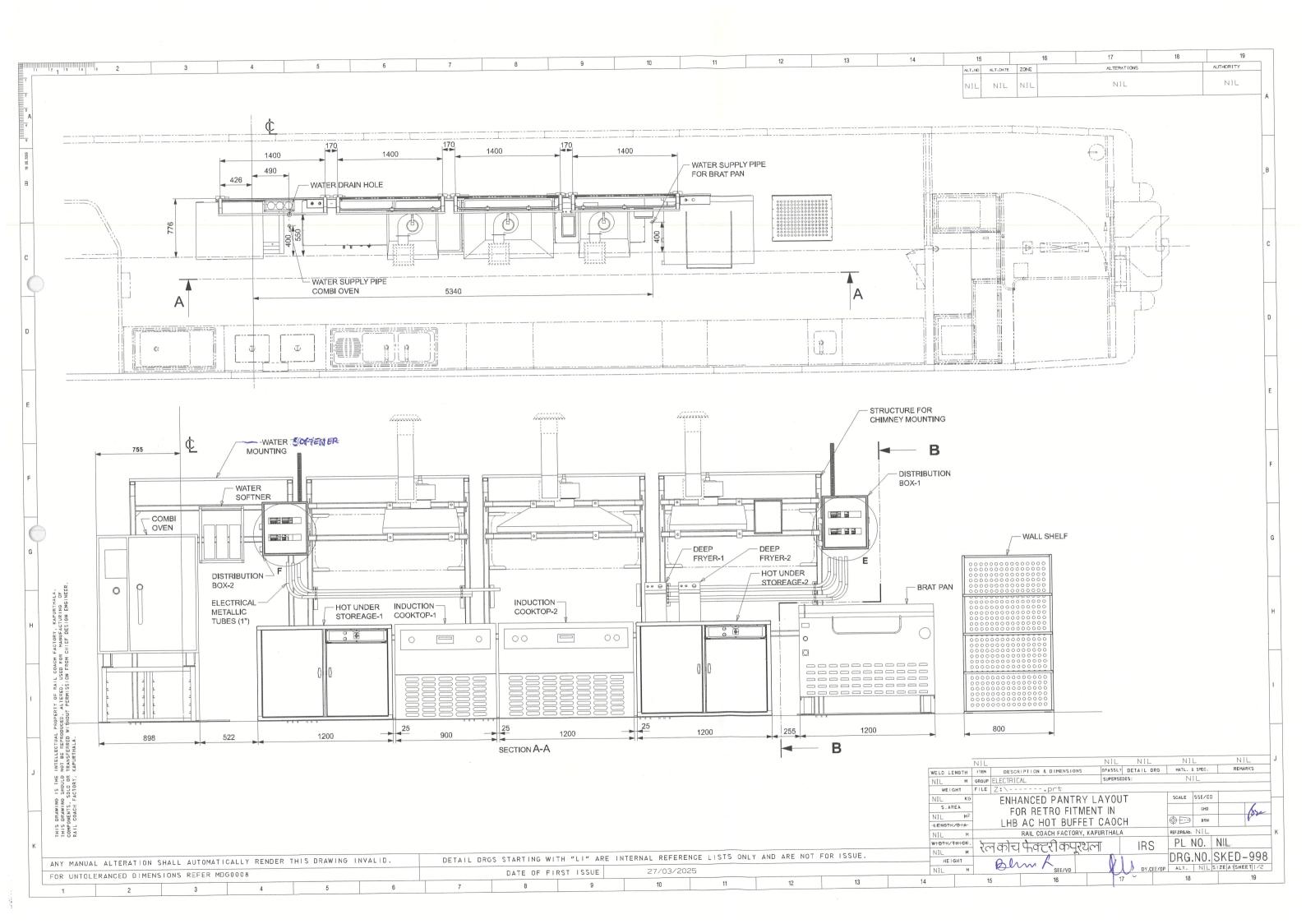
CNI		OT1/	D . C .	LOCATION	D
SN	Item Description	QTY	Ref. Spec.	LOCATION	Remarks
1.	Hot case	01	EDTS 118	Side wall Area	To be retained
2.	Sink (single) with Cup	01	EDTS 118	Side wall Area	To be retained
	Board				
3.	Cup Board	01 .	EDTS 118	Side wall Area	To be retained
4.	Fridge	01	EDTS 118	Side wall Area	To be retained
5.	Deep freezer	01	EDTS 118	Side wall Area	To be retained
6.	Bottle cooler	01	EDTS 118	Side wall Area	To be retained
7.	Water Boiler-1, 2 & 3	03	EDTS 118	Side wall Area	To be retained
8.	Sink with Cup Board	01	EDTS 118	Side wall Area	To be retained
	below Water boiler	,			
9.	Cup Board below	02	EDTS 118	Side wall Area	To be retained
	Windows			,	
10.	Sink (Double) with	01	EDTS 118	Side wall Area	To be retained
	Cup Board below				
	Water boiler				
11.	Water filter	01	EDTS 118	Side wall Area	To be retained
12.	Chimney-1	01	EDTS 118	Side wall Area	To be retained
13.	Chimney-2	01	EDTS 118	Side wall Area	To be retained
14.	Chimney-3	01	EDTS 118	Side wall Area	To be retained
15.	Insect killer	01	EDTS 118	Side wall Area	To be retained

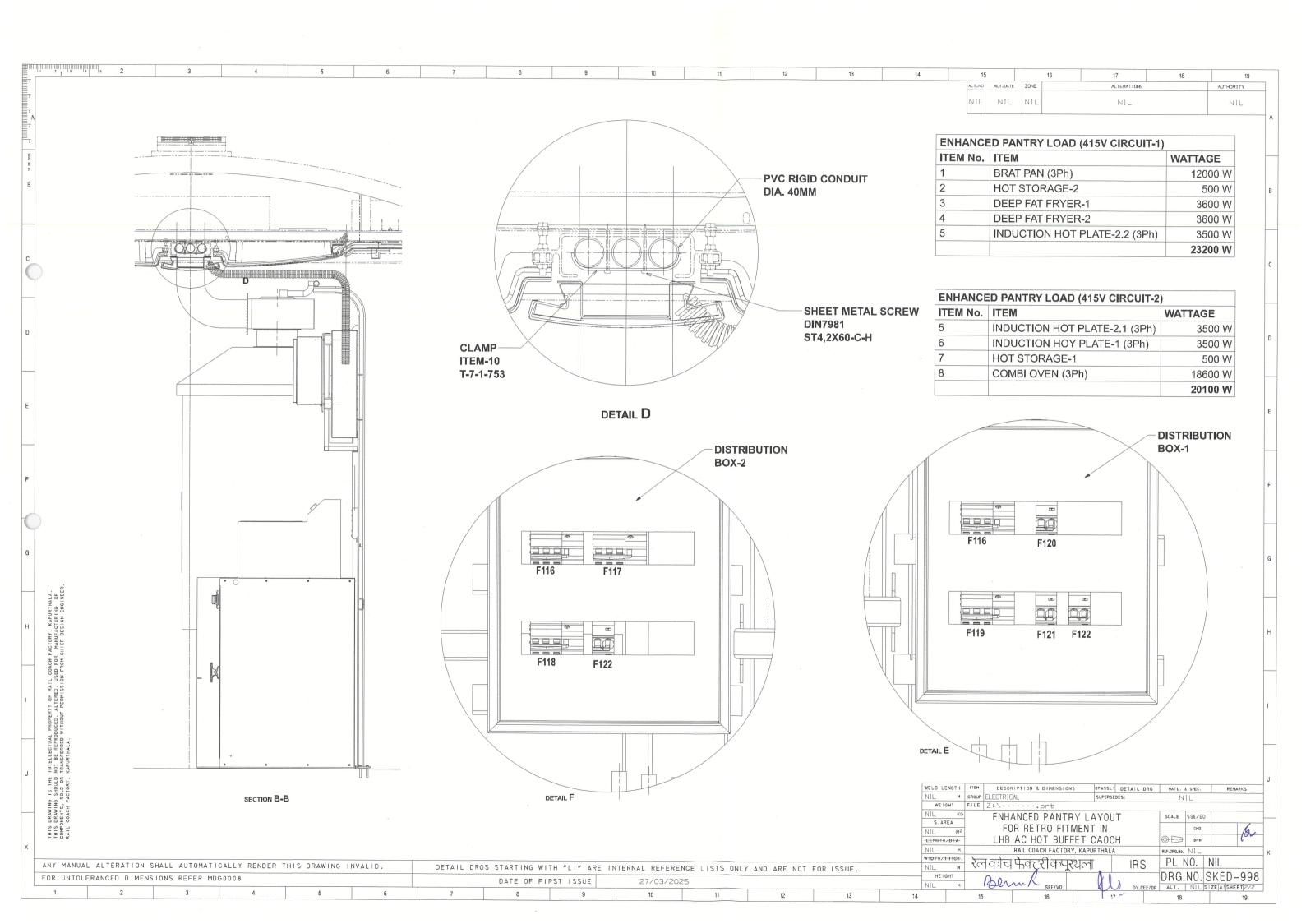
Note: Existing Chimneys alongwith Control box shall also be retained.

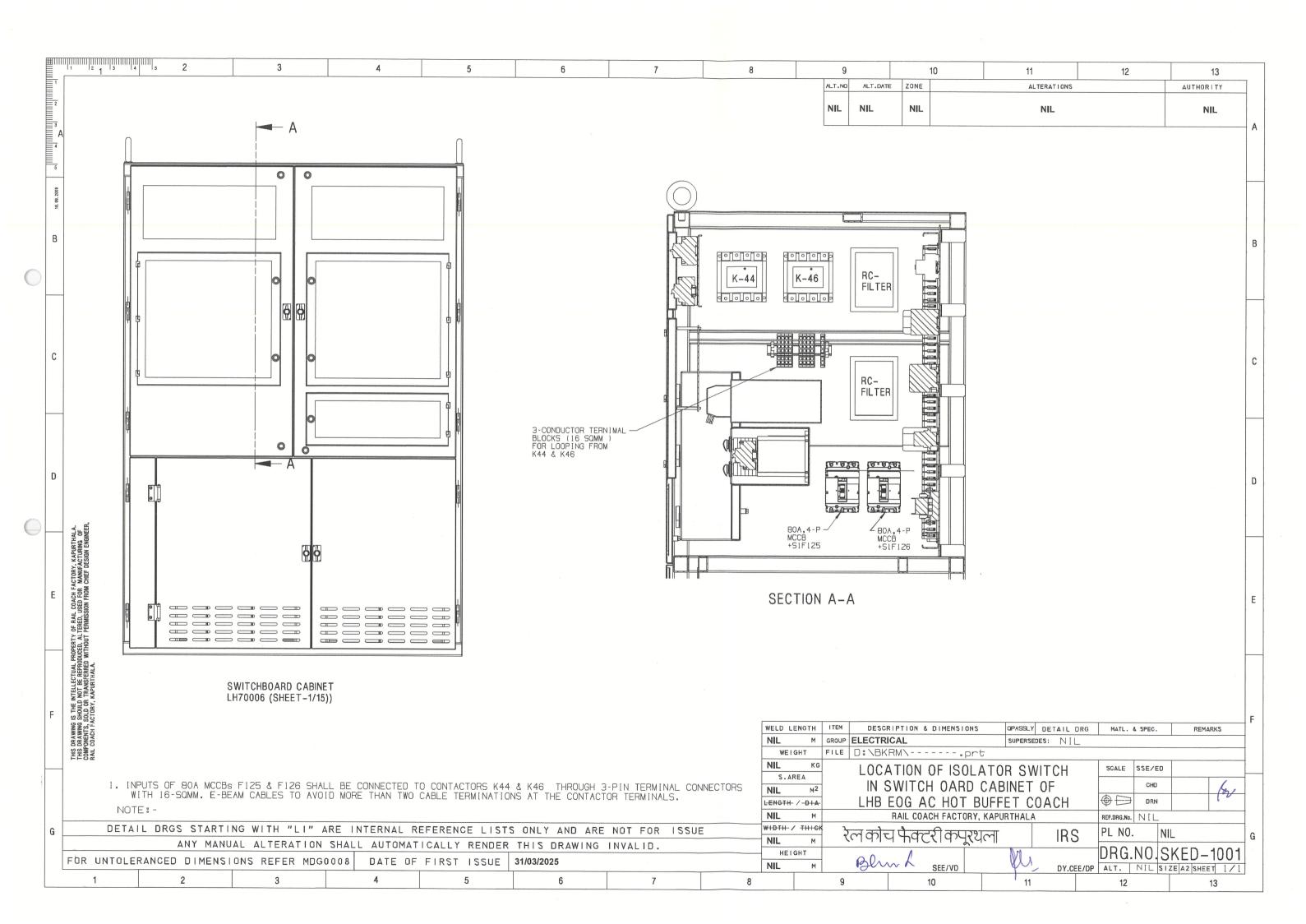
ii) Details of enhance capacity pantry equipments to be provided in central Aile side of the hot buffet coach as per RCF spec. **EDTS 446 Rev. 0, AM-1** shall be as per undergiven details:

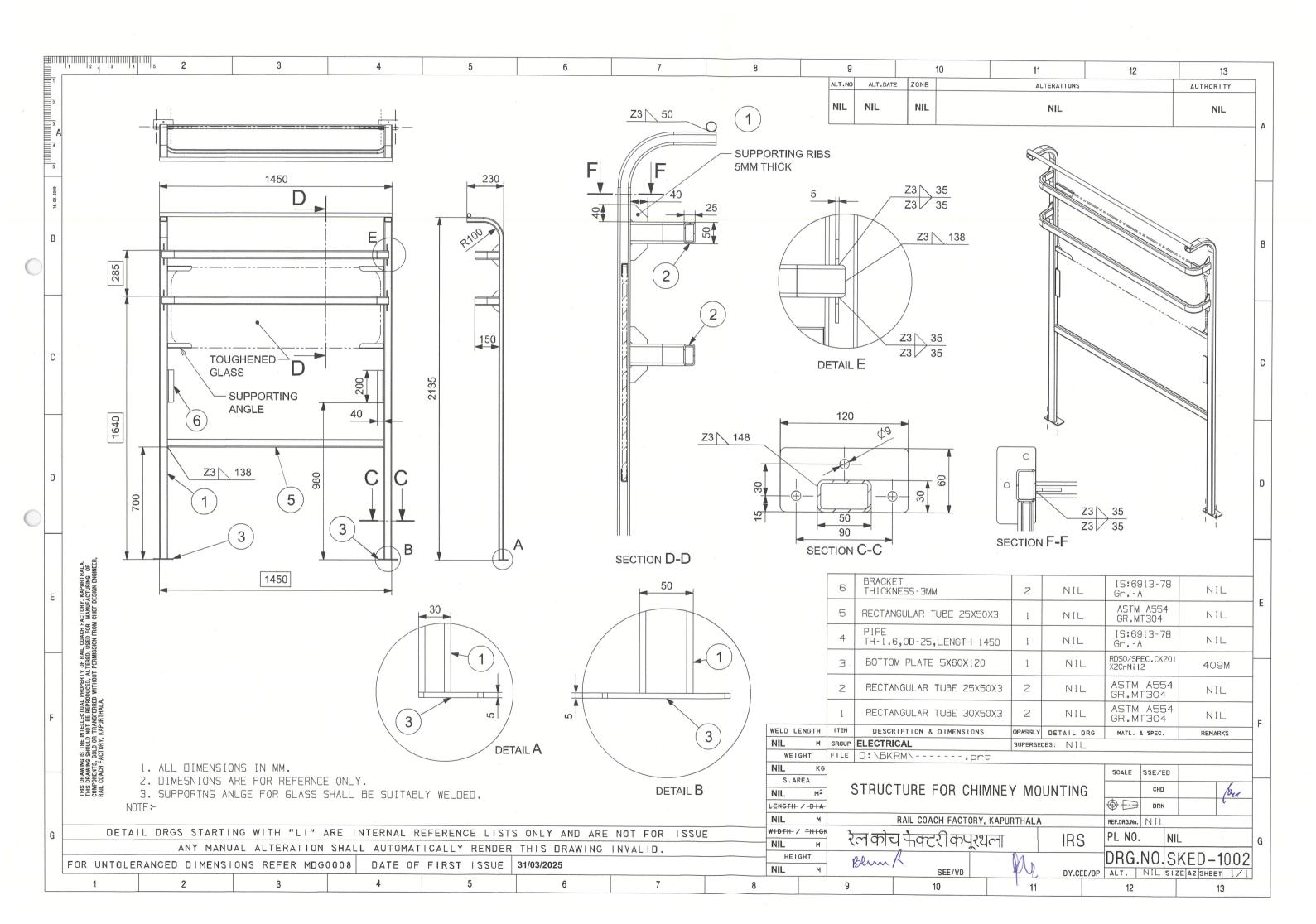
SN	Item Description	QTY	Ref. Spec.	LOCATION	Remarks
1.	Wall Shelf	01	EDTS446 AM-1	Aile Side	To be provided
2.	Brat Pan	01	EDTS446 AM-1	Aile Side	To be provided
3.	Combi Oven	01	EDTS446 AM-1	Aile Side	To be provided
4.	Work Table with Hot	02	EDTS446 AM-1	Aile Side	To be provided
	Storage				
5.	Deep Fryer	02	EDTS446 AM-1	Aile Side	To be provided
6.	MicroWave	01	EDTS446 AM-1	Aile Side	To be provided
7.	Hot Plate (Single)	01	EDTS446 AM-1	Aile Side	To be provided
8.	Hot Plate (Twin)	01	EDTS446 AM-1	Aile Side	To be provided

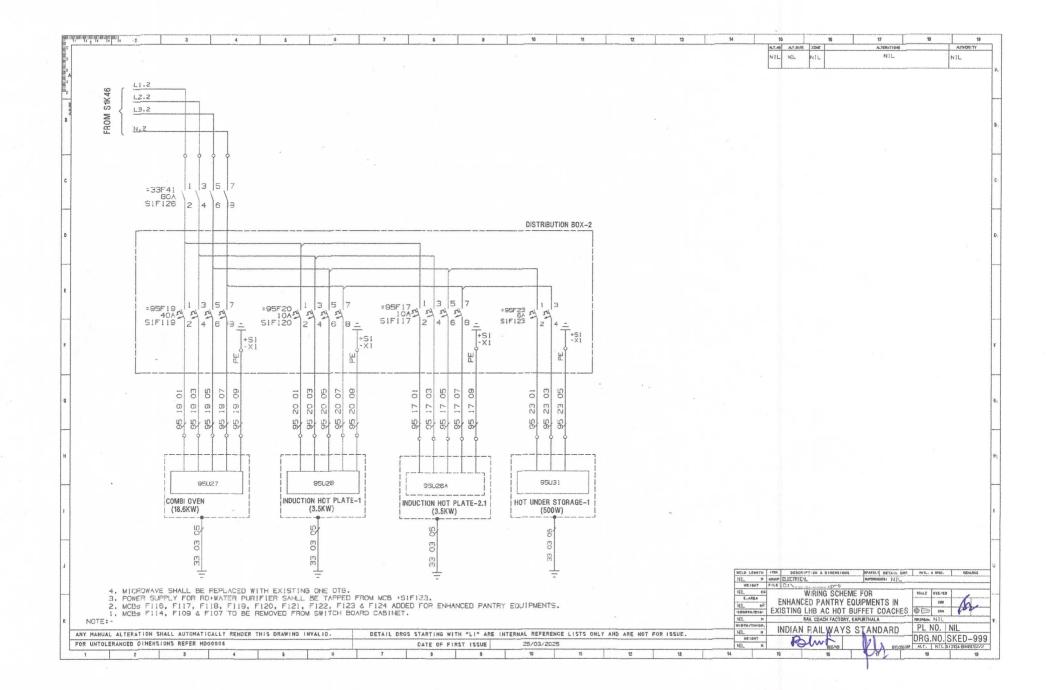
ANNEXURE-D to ED/CAI/041	09.04.2025	Eas	Bend	ft.	Page 1 of 1
Doc. No.	Date	SSE/CAD	SEE/VD	Dy. CEE/DP	Page No.

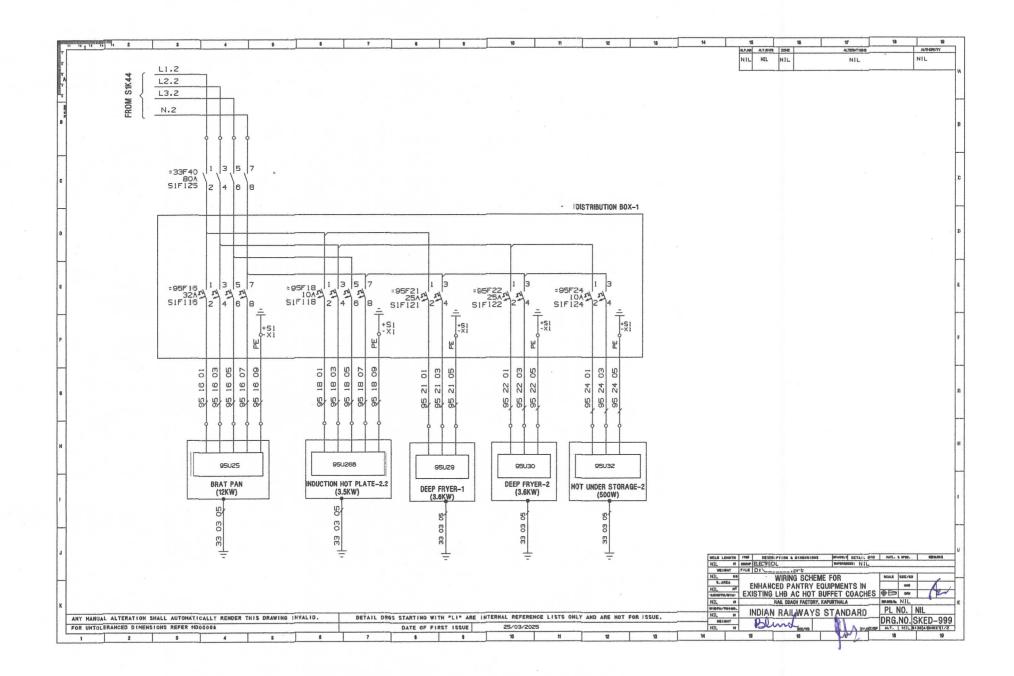


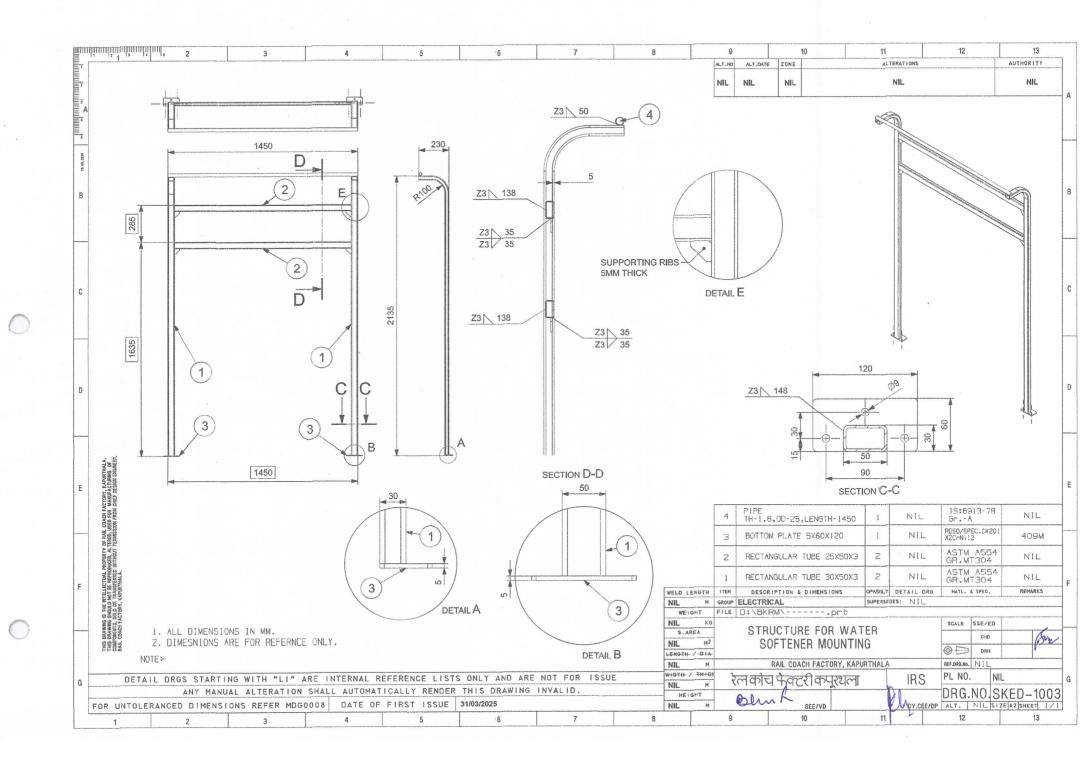


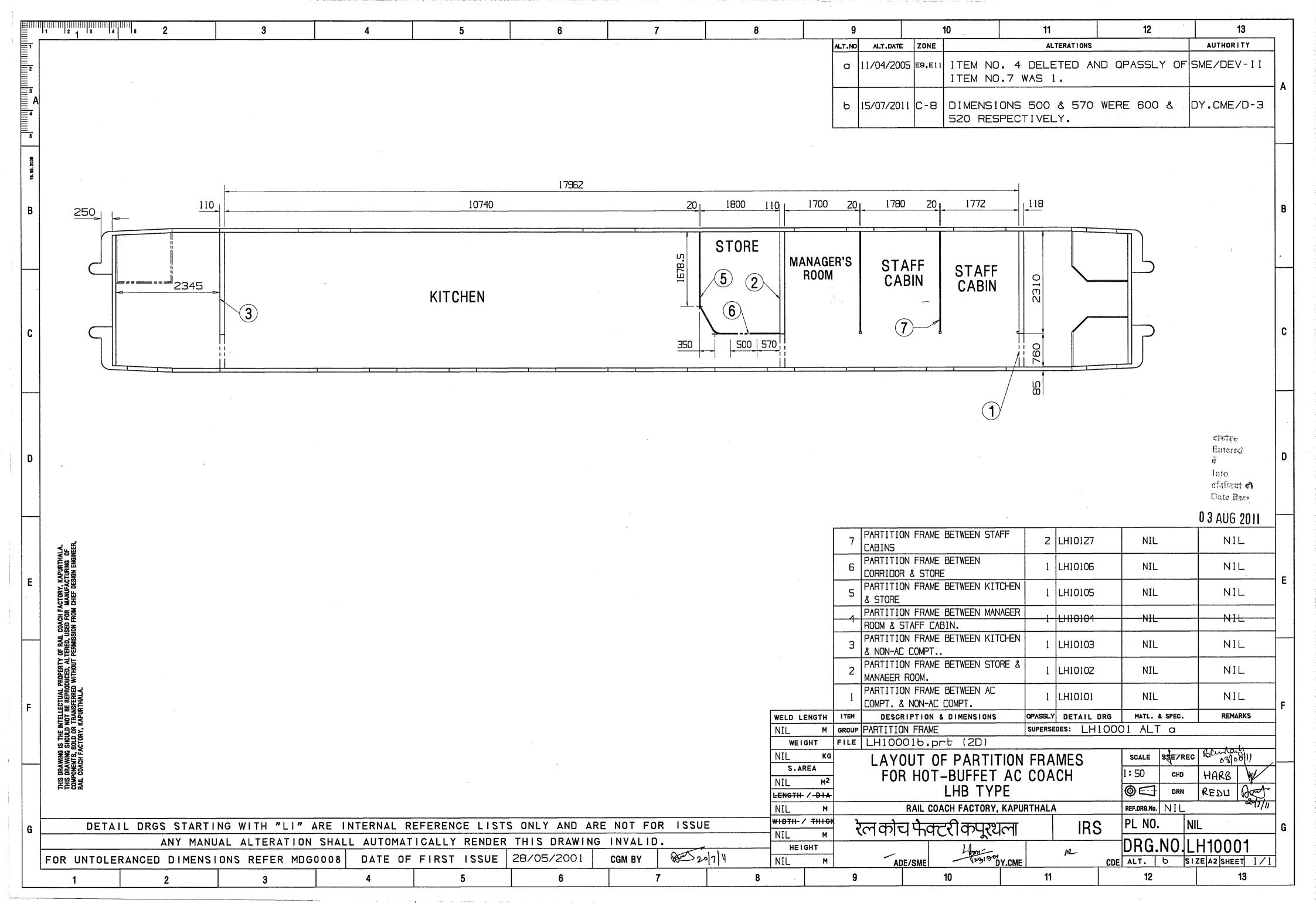


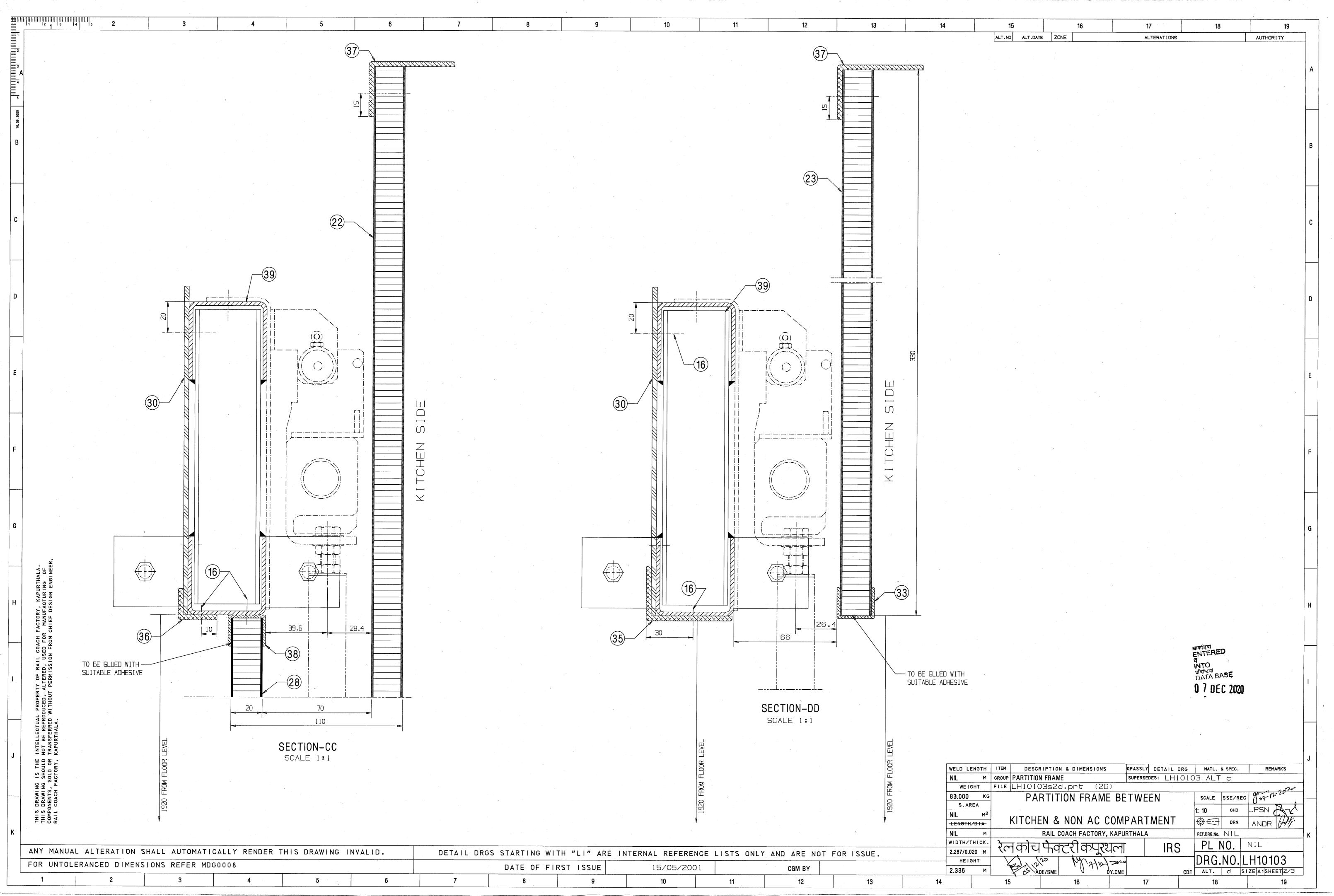


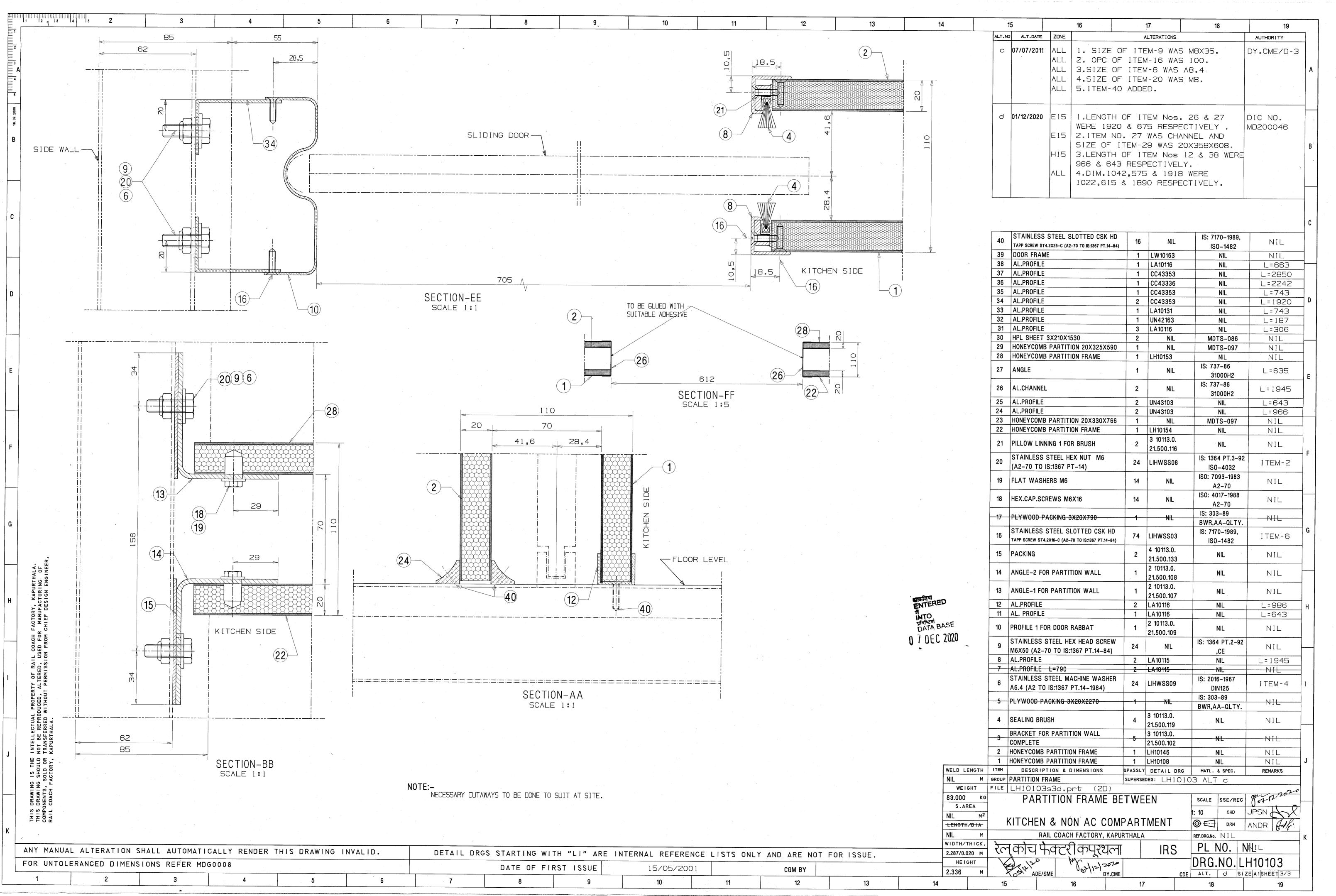


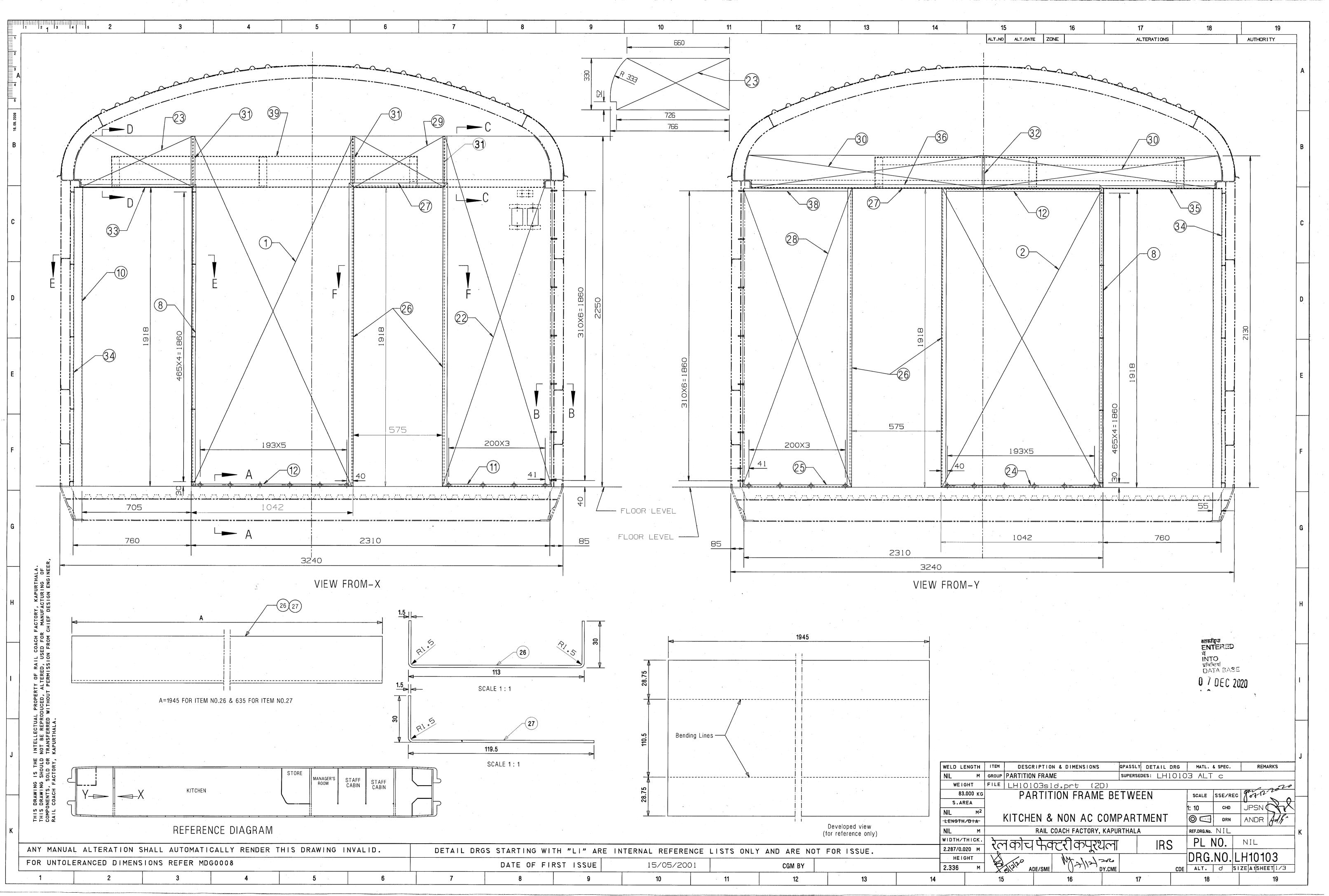


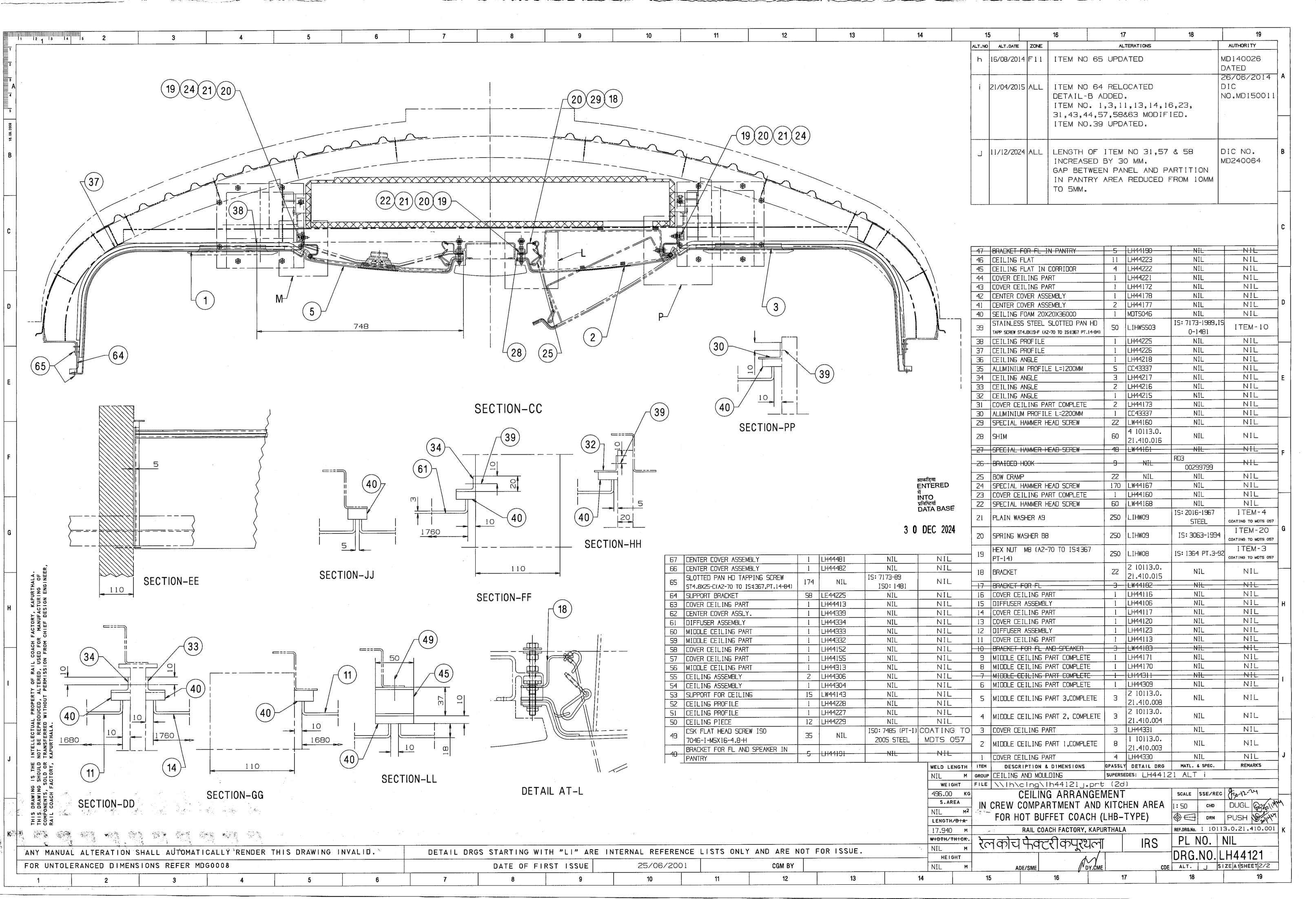


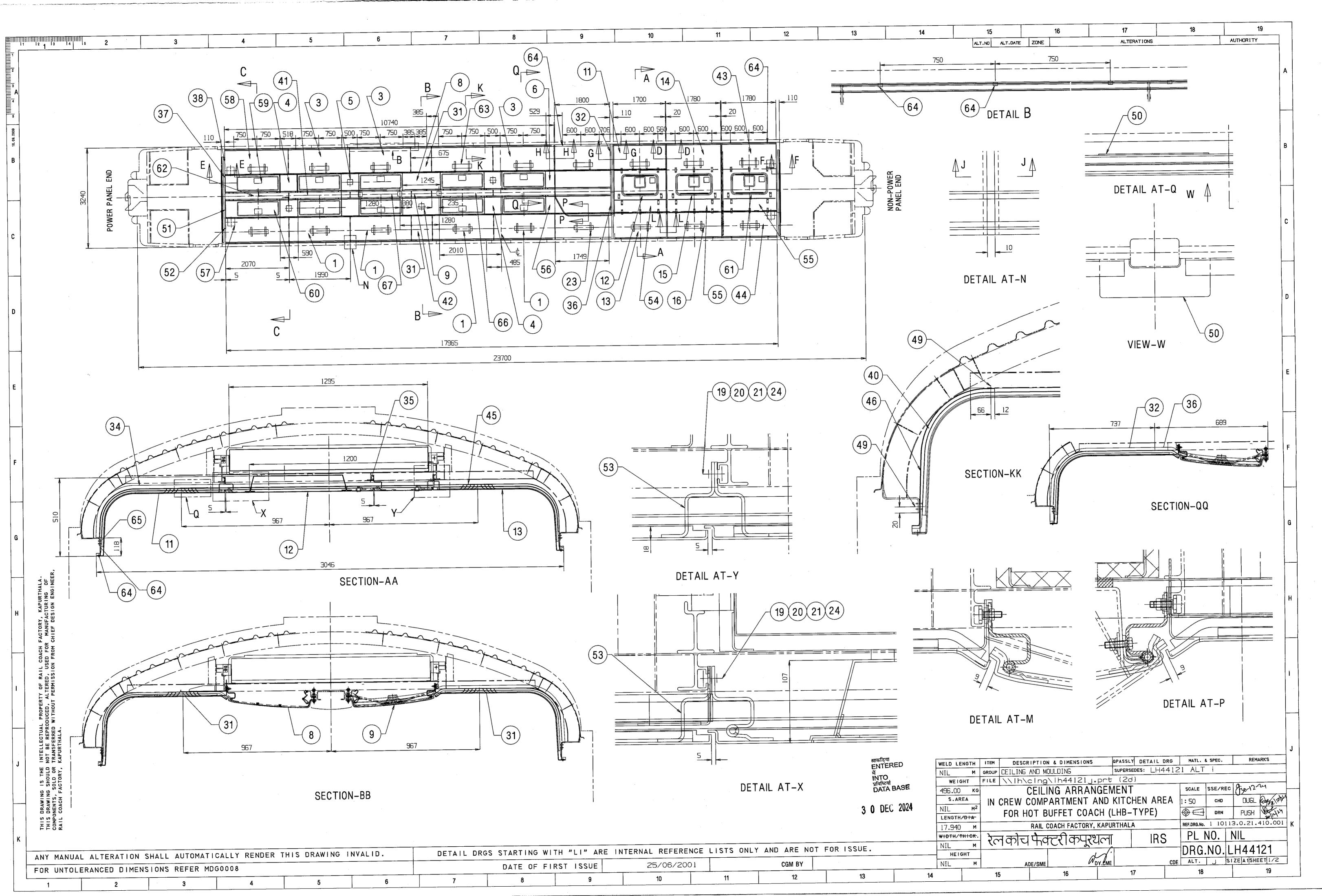


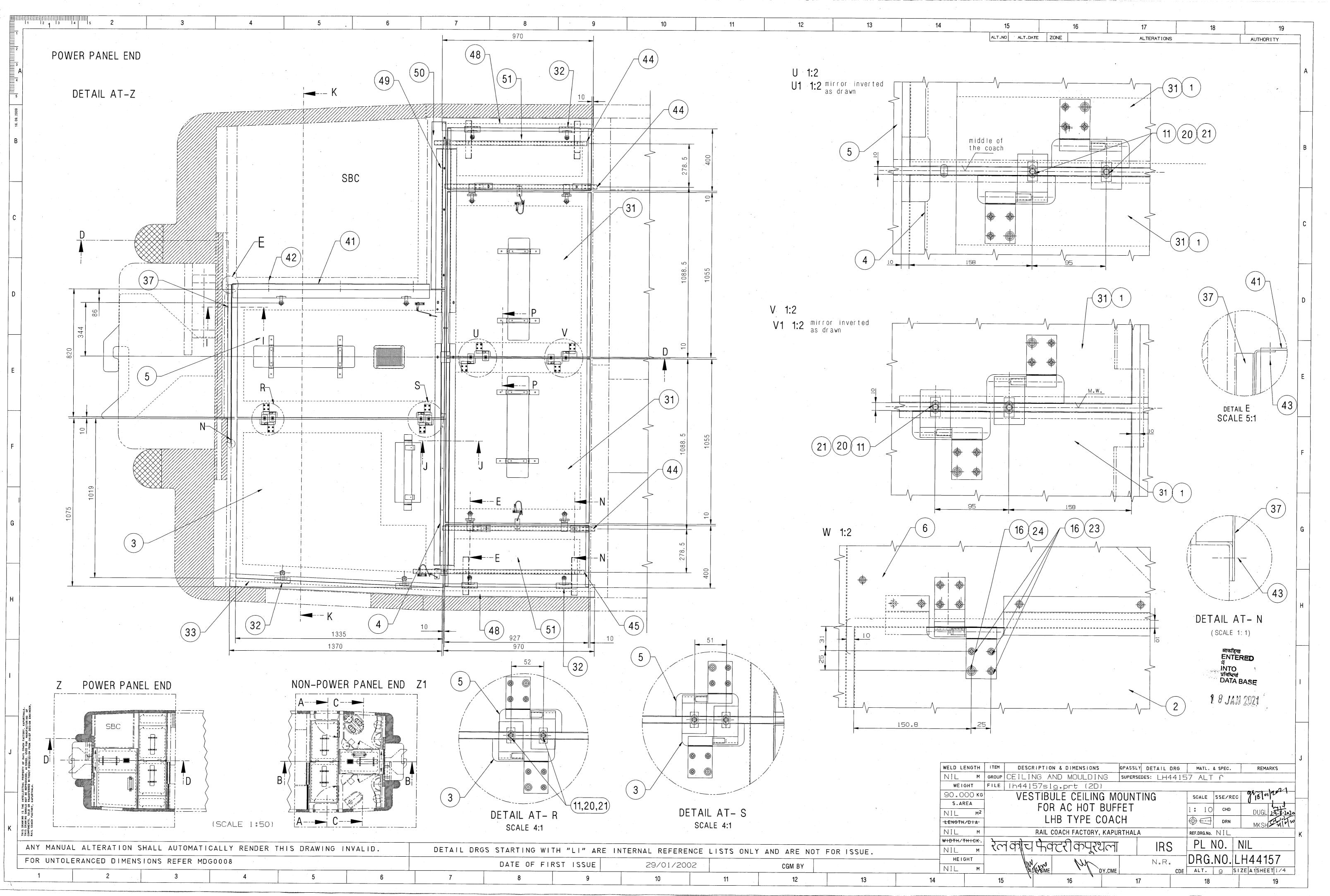


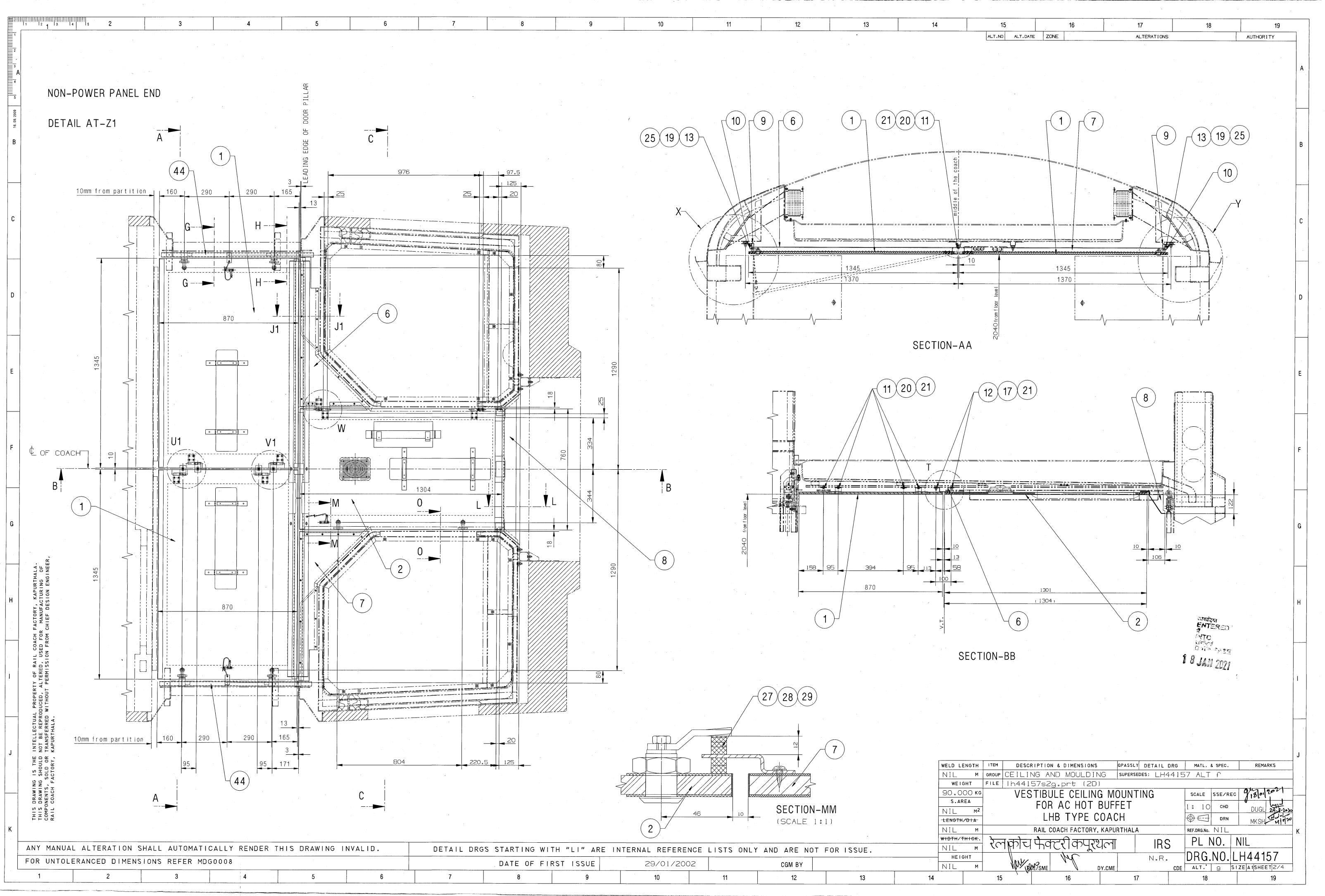


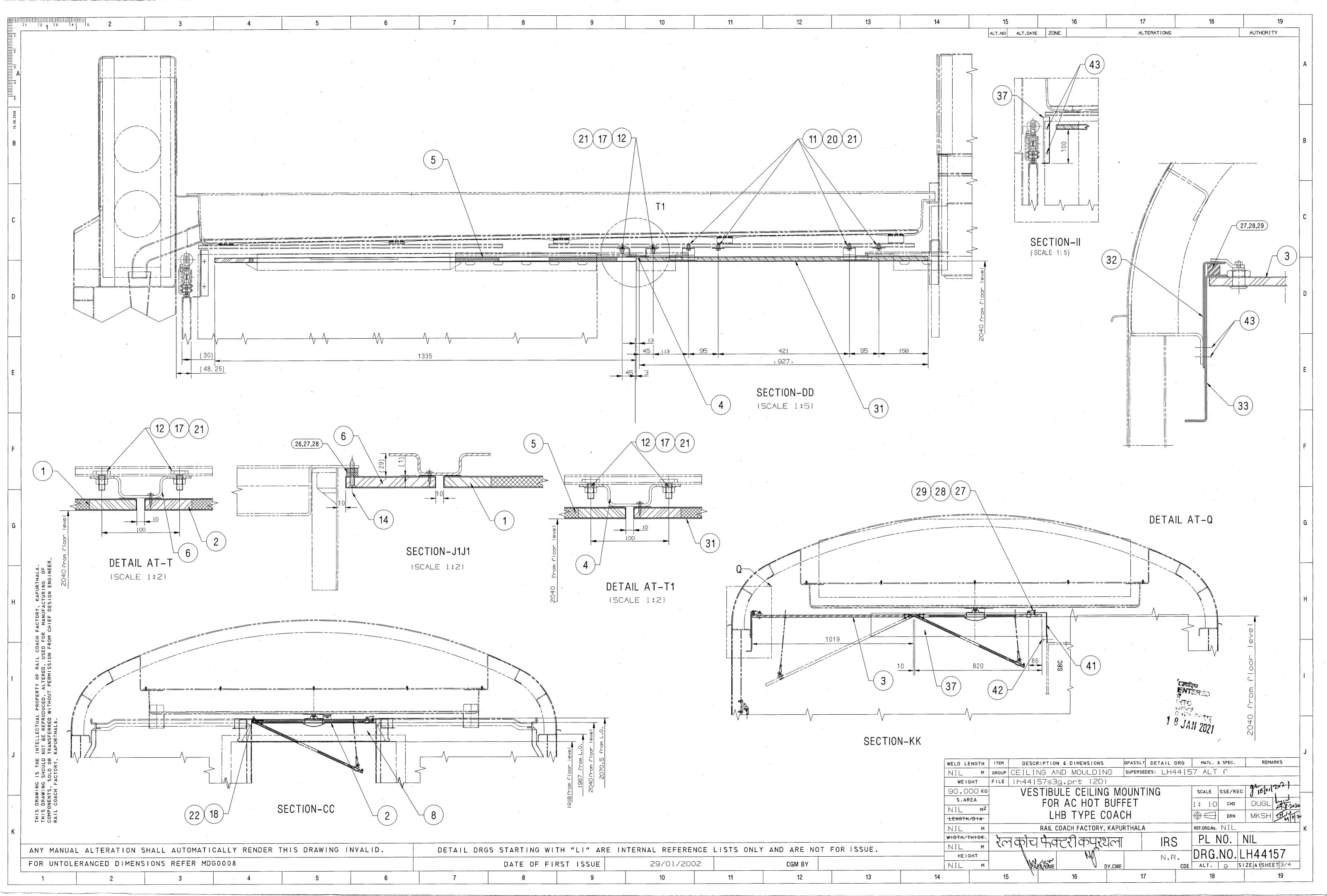


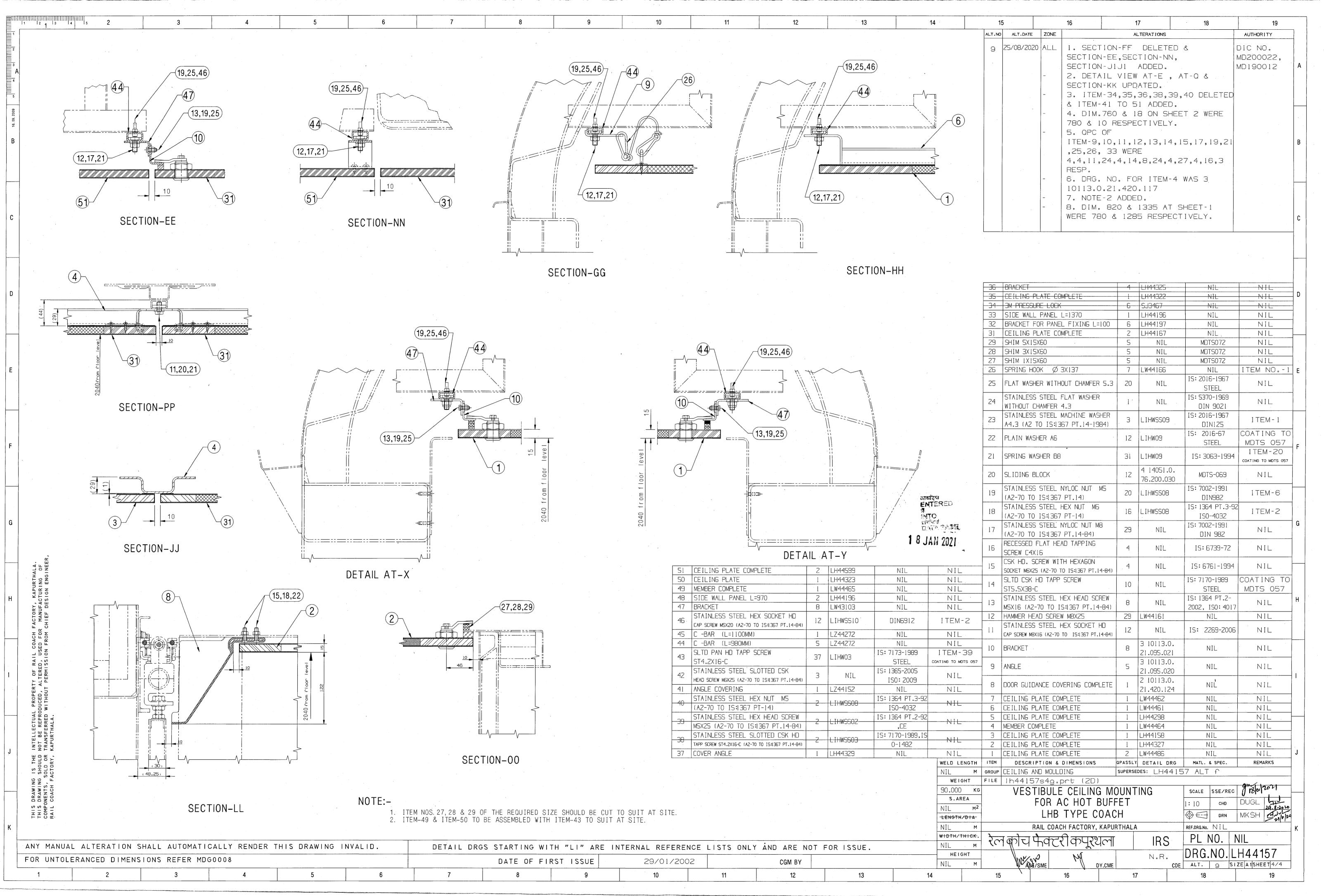












Rail Coach Factory, Kapurthala

Office of the Principal Chief Electrical Engineer

RCF/HSQ/ED/LHB/2008

Dated: 10.04.2025

PCMEs:

- 1. Central Railway, CST, Mumbai-400 001
- 2. Eastern Railway, Fairly Place, Kolkata-700 001
- 3. East Central Railway, Dighi, Disst- Vaishali, Hajipur-844 101
- 4. East Coast Railway, Chandra Shekharpur, Bhubneshwer-751 016
- 5. Northern Railway, Baroda House, New Delhi-110 001
- 6. North Central Railway, Hastings Road, Prayagraj 211 001
- 7. North Eastern Railway, Gorakhpur-273 001
- 8. North East Frontier Railway, Maligaon, Guwahati-781 001
- 9. Northern Western Railway Jaipur-302 006
- 10. Southern Railway, Park Town, Chennai-800 003
- 11. Southern central Railway Rail Nilayam Secundrabad-500 371
- 12. South Coast Railway, Visakhapatnam-530004.
- 13. South Eastern Railway., Gardern Reach, Kolkata-700 043
- 14. South East Central Railway Bilaspur-495 004
- 15. South Western Rly., 4th Floor, DRM Office, Sh. Laxmi Narayan Complex, Station Road Hubli-580 020
- 16. Western Railway, Church gate, Mumbai-400 020
- 17. West Central Railway., Jabalpur-482 001

Sub: Retro-fitment of Enhanced Capacity Pantry Equipment in existing LHB AC Hot Buffet Coach.

Ref: (i). Railway Board letter no. 2022/M/(C)/137/1_Pantry, dated: 04.03.2025.

(ii). This office letter even no. dated 10.4.25

In continuation to letter at ref.(ii) above, following set of **part drawings** are enclosed herewith Coach alteration instruction sheet to document no. **ED/CAI/041 Dated 09.04.2025** already issued for Retro-fitment of enhanced capacity pantry equipment in existing LHB AC Hot Buffet Coach.

SN	Ref. Assembly drg.	Part Drawing
1	MI008237	AAI10492
2		98110081
3		72910073
4		LH13166
5		LP11495
6	MI008232	3.10113.0.39.095.077
7		LE63222
9		LW63111

This is for your information and necessary action.

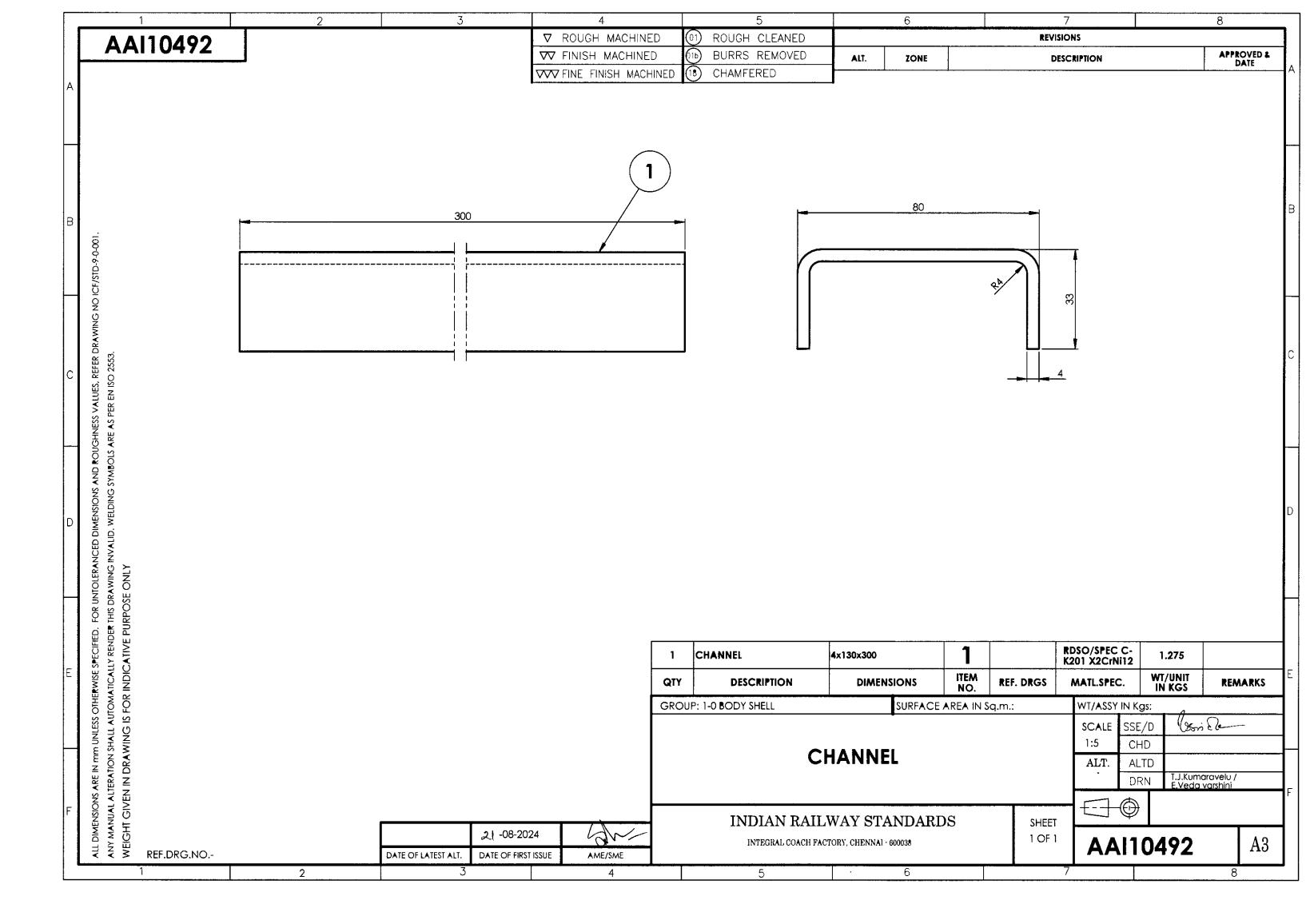
DA: As above

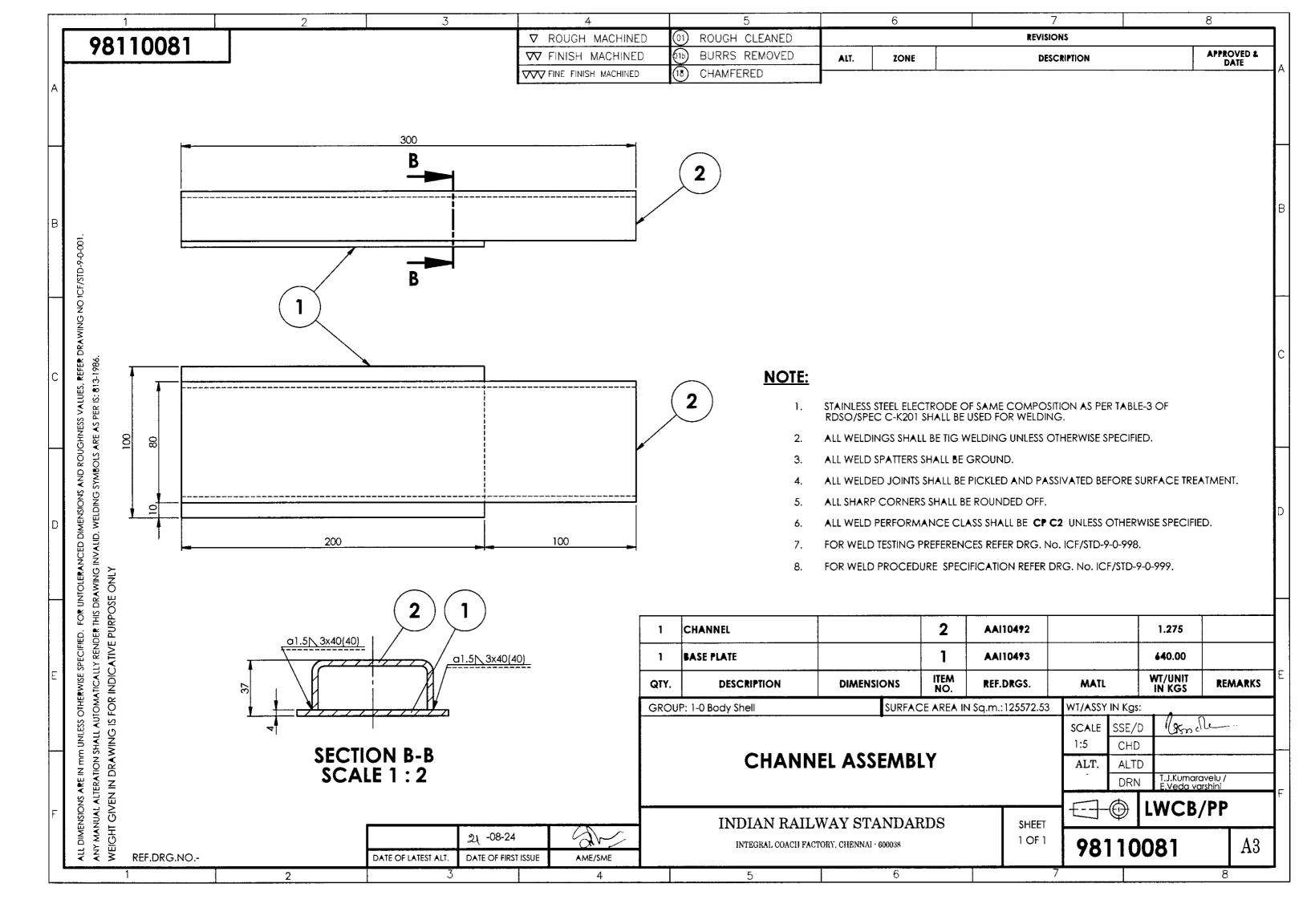
(Kulwinder Singh)
DYCEE/D&D

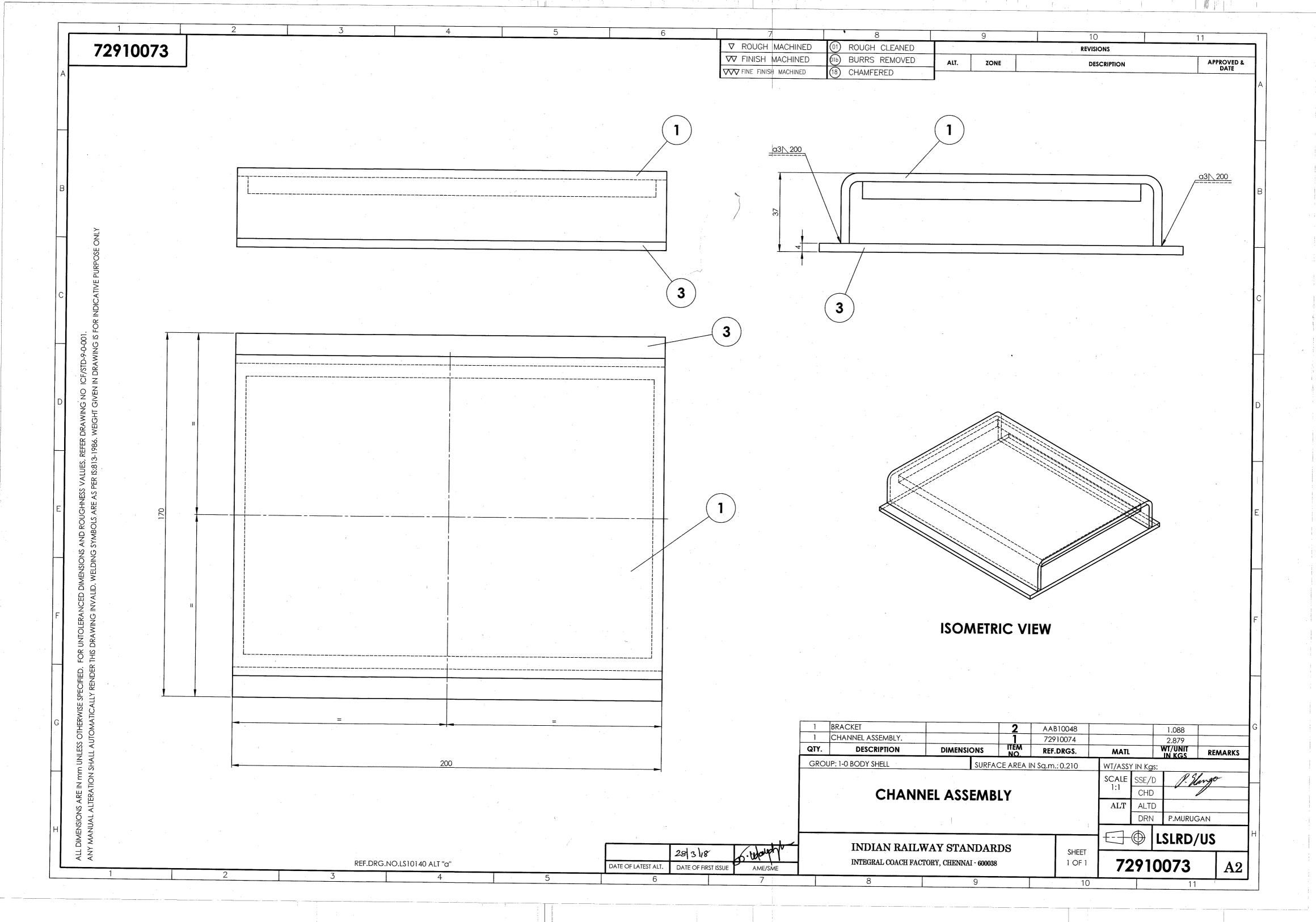
for Principal Chief Electrical Engineer

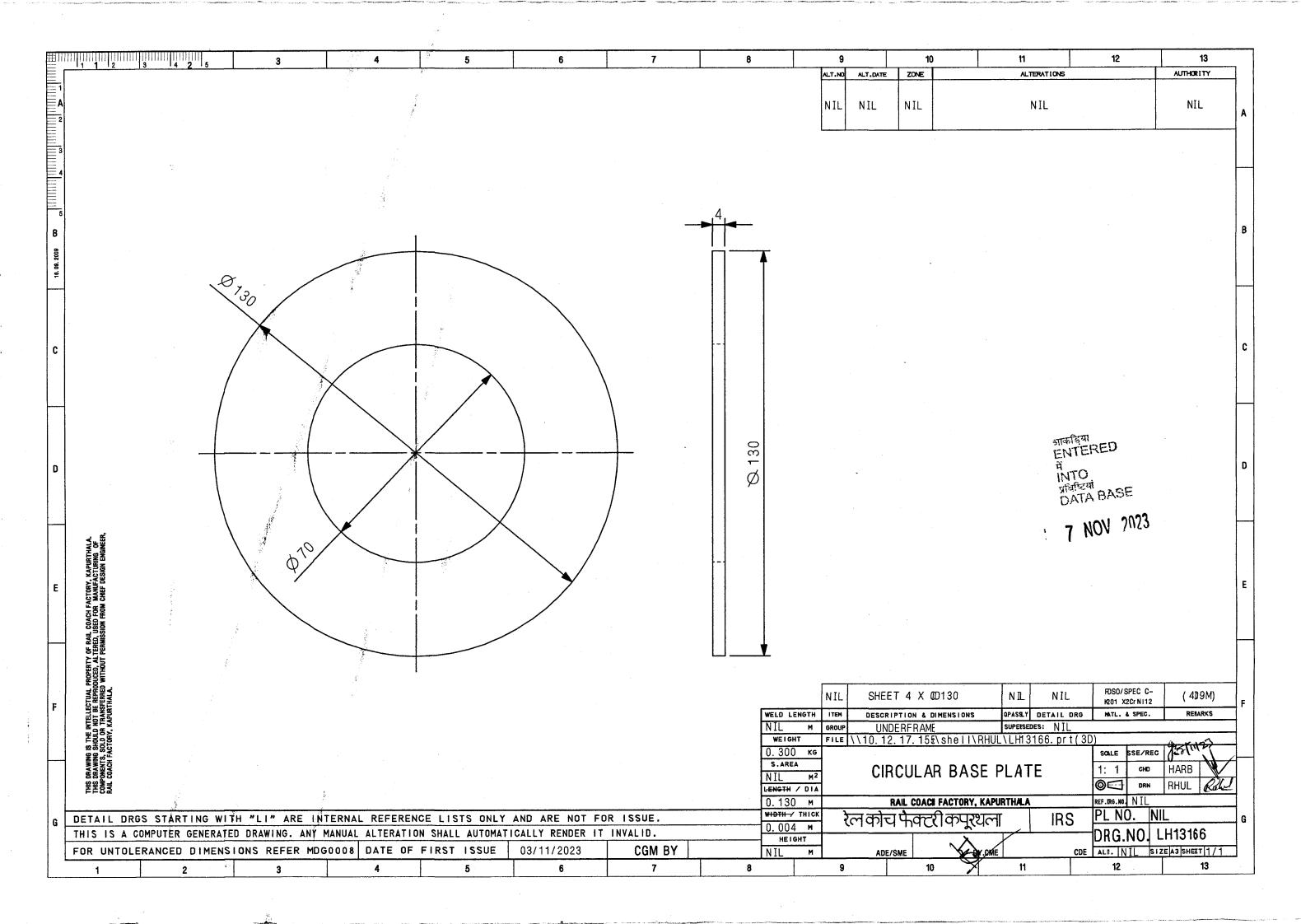
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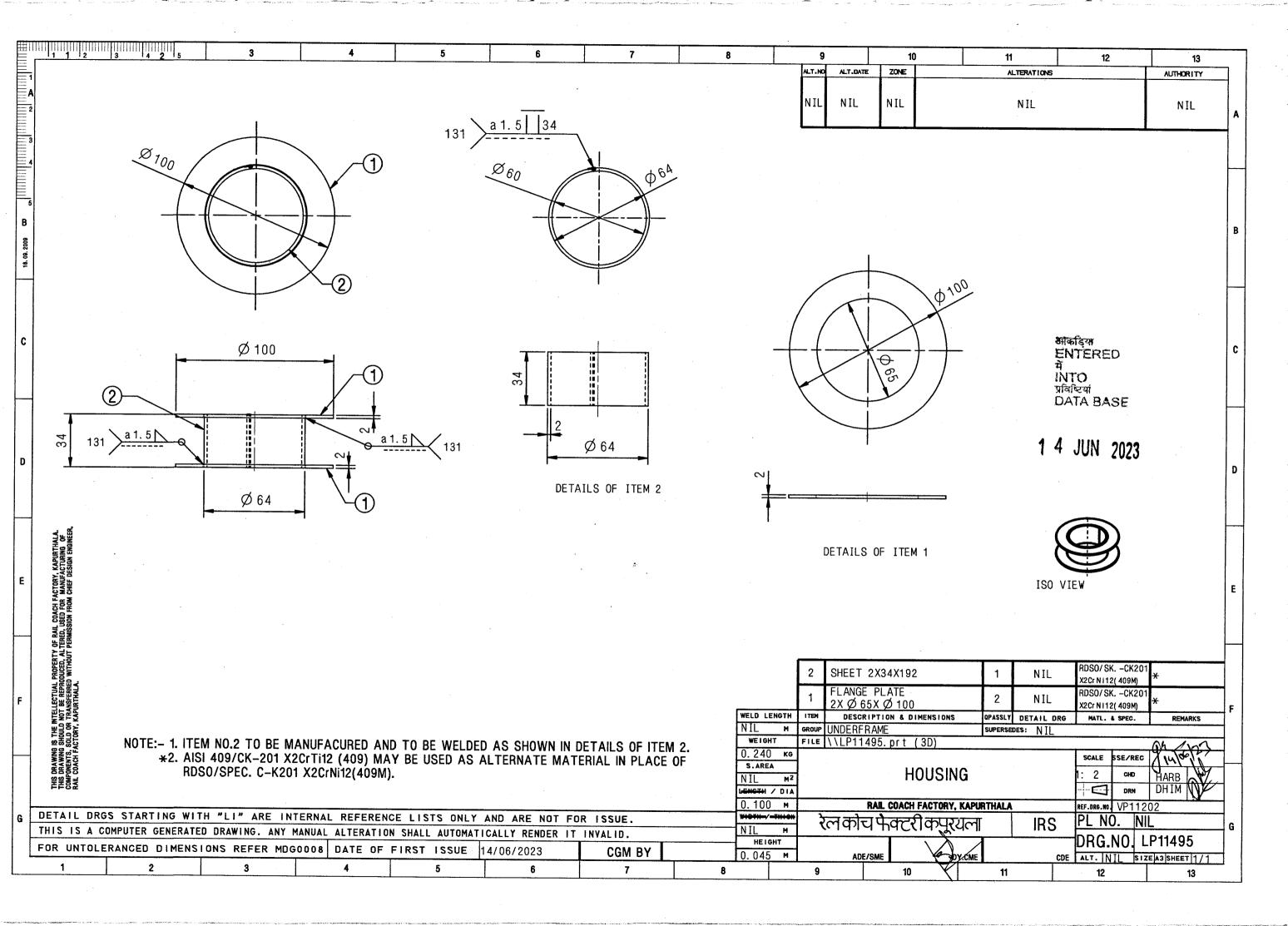
PCME/RCF PCME/ICF In terms of referred Rly. Bd. Letter, similar arrgt. as per CAI for provision of enhanced capacity pantry equipment in existing new LHB AC Hot Buffet Coach (layout no. LH90001) to be followed by PUs.

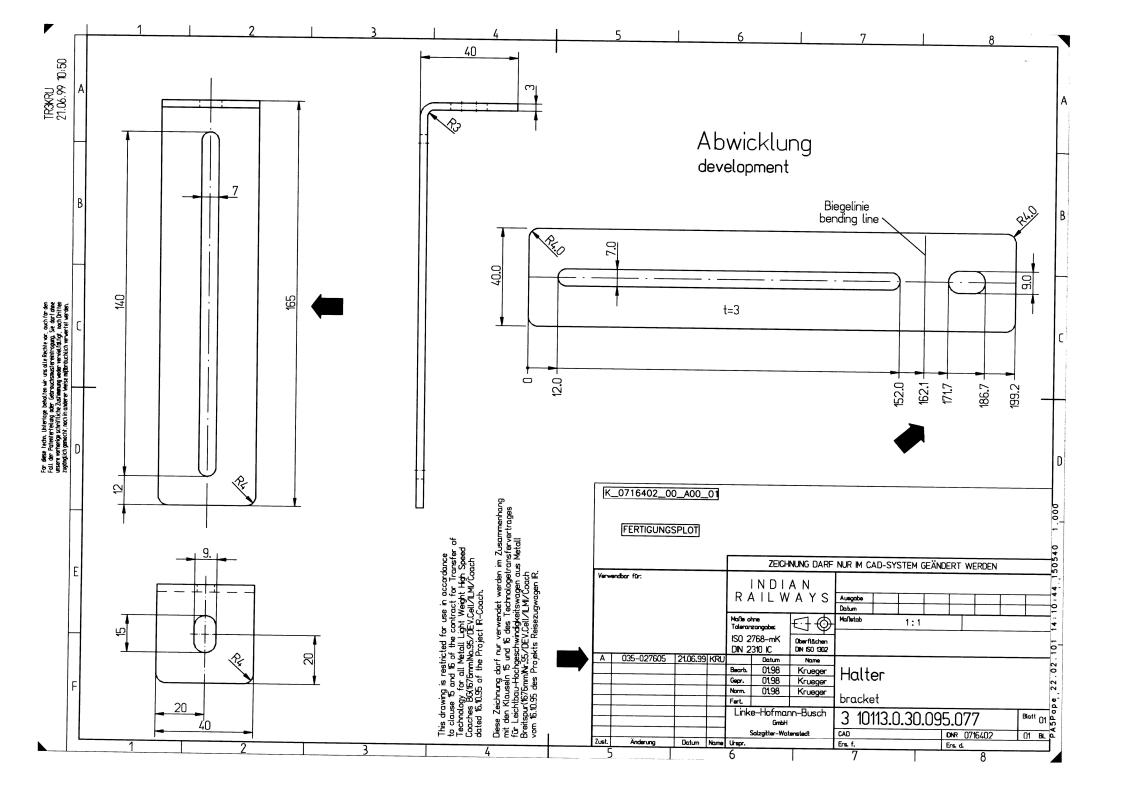












PA5TOK 16:23 13.07.00 2 3 4 5 6 Menge Pos. Gewicht Bemerkung Einheit Benennung Sachnummer / Norm-Kurzbezeichnung D C Werkstoff kg /Einheit 1 STK bracket DIN59382 EN10088-2 1.4301 0,162 BL3x40x199,2 X5CrNi18-10 01018086 Zeichng. St. Angaben zu den Mengenspalten Änderung / Datum Ausg. Zustand ACFCZ/L; ACCZ/L; WLRRM/L 00 A A 35027605 0699 INDIAN RAILWAYS Bearb. 12.97 TR3KRU Bracket В Gepr. 06.99 TR3KRU Norm. 3 10113.0.30.095.077 **ALSTOM LHB GmbH** Blatt Linke-Hofmann-Busch-Straße D CAD 0716402 01 Salzgitter-Watenstedt Ers.f. -01 Bl.

