
PRASA PROJECT


APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1


SELF INSPECTION SHEET

CONFIDENTIAL INFORMATION

This document and the information contemplated therein have to be considered as Confidential Information pursuant to the provisions of Clause 25 of the MSA, and treated as such.

APPLICATION REFERENCE

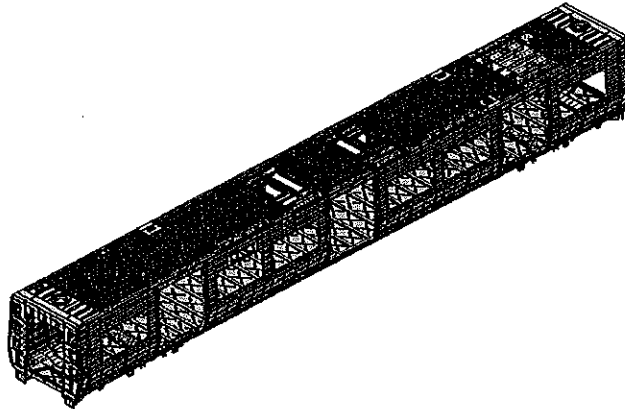
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY? 	
				TC1	MA	M1	M2	M3	TC2			
<input type="checkbox"/>	DTR31374497/3	AAD0001413329	CARBODYSHELL M2 ASSEMBLY	CB1210				X			PRA.CB1210.DTR313744 97/3.V25	YES
<input type="checkbox"/>												
REV	DATE	MODIFICATION CONTENT			RESPONSIBLE		NAME		DATE			
0	10/01/2018	GIBELA NEW CREATION			APPROVER	Itumeleng Modiba	10/01/2018					
					CHECKER	Nosizo Pindela	10/01/2018					
					COMPILER	Thanyani Mathegu	10/01/2018					
1	2018/05/18	Team leader and Quality Technician to sign Change final signature from PME Manager to Quality manager			APPROVER	Itumeleng Modiba	2018/05/18					
					CHECKER	Nosizo Pindela	2018/05/18					
					REVISED BY	Ramokone Motama	2018/05/18					
2	2018/07/04	Certain dimensional checks moved to CB1220 and CB1230			APPROVER	Itumeleng Modiba	2018/07/04					
					CHECKER	Nosizo Pindela	2018/07/04					
					REVISED BY	Ramokone Motama	2018/07/04					
3	2018/12/12	Added dimensional check points to CB1210			APPROVER	Itumeleng Modiba	12/12/2018					
					CHECKER	Nosizo Pindela	12/12/2018					
					REVISED BY	Ramokone Motama	12/12/2018					
5	22/01/2019	As per Baseline 10.2			APPROVER	Itumeleng Modiba	22/01/2019					
					CHECKER	Nosizo Pindela	22/01/2019					
					REVISED BY	Vanessa Ntuli	22/01/2019					
6	13/03/2019	Added D1 and D2 on Self - Inspection			APPROVER	Itumeleng Modiba	13/03/2019					
					CHECKER	Nosizo Pindela	13/03/2019					
					REVISED BY	Nosizo Pindela	13/03/2019					
10	21/08/2019	New Baseline 10.2.5			APPROVER	Itumeleng Modiba	21/08/2019					
					CHECKER	Nosizo Pindela	21/08/2019					
					REVISED BY	Nosizo Pindela	21/08/2019					
15	06/08/2020	New Baseline 10.2.6			APPROVER	Timothy Maimela	06/08/2020					
					CHECKER	Bongane Masina						
					REVISED BY	Bongane Masina						
20	19/04/2021	New Baseline change 10.3			APPROVER	Timothy Maimela	19/04/2021					
					CHECKER	Bongane Masina						
					REVISED BY	Bongane Masina						
21	17/08/2021	ADDED DIMENSIONS BEFORE WELDING			APPROVER	Mbhombi collins	17/08/2021					
					CHECKER	Mpho Mulaudzi						
					REVISED BY	Mpho Mulaudzi						
25	21/02/2022	New Baseline change 10.3.1			APPROVER	Mbhombi collins	21/02/2022					
					CHECKER	Andani Muthelo						
					REVISED BY	Andani Muthelo						
26	14/04/2023	Addition of welding consumable traceability			APPROVER	Ntuli Vanessa	14/04/2023					
					CHECKER	Mohlampe Amogelang						
					REVISED BY	Mohlampe Amogelang						
27	27/07/2023	Added verification of loaded parts			APPROVER	Ngobeni Tyson	27/07/2023					
					CHECKER	Zwane Ntokozo						
					REVISED BY	Mohlampe Amogelang						
28	07/11/2023	Addition of welder traceability			APPROVER	Ngobeni Tyson	07/11/2023					
					CHECKER	Andani Muthelo						
					REVISED BY	Ntokozo Zwane						
TRAINSET	CAR	OPERATOR NAME& ALPS NO		DATE	SELF INSPECTION NUMBER		PAGES					
221	M2	SEAN 410022		9/04/2024	SI.CB1210.247.V28		17					

	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28	Project: PRASA SI.CB1210.247.V28
		Date 07/11/2023	

Car: M2	NCR:	Work station: CB1210
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Safety Related



I - Documentation and Instruments Control

I.1 - Documentation Control

Document	Type of car						Revision	Observation	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
	TC	MT	S	2	3	0						
DTR31374497/3			X						✓		N/A	9/04/24 09/04/24

I.2 - Instruments Control










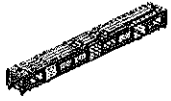


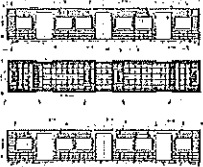




Monitoring and Measuring Instrument Control - Used for Special Process


Instruments	Serial number	Calibration or Verification Validation Date	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
30 M TAPES	CIBTP 0084	14/03/2024	✓		9/04/24	09/04/24
LASER TAPES	125425924	25/01/2024	✓		9/04/24	09/04/24
TUBULAR	32823-2	15/03/2024	✓		9/04/24	09/04/24

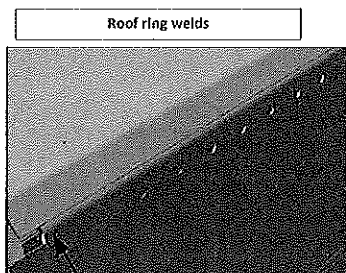
I.3 - Consumables


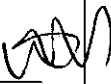

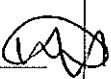
Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
ER 308 LST	314018-74097	MIG	✓		9/04/24	09/04/24
ER 308 L	259687-70322	TIG	✓		9/04/24	09/04/24





		CARBODYSHELL M2 ASSEMBLY DTR31374497/3		Rev. 28	Project: PRASA SI.CB1210.247.V28		
				Date 07/11/2023			
II - Self Inspection - Items to Check							
II.1 - Items to check							
Item	Picture/Drawing	Description	Acceptance criteria / Record	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Verification of correct parts loaded (Sidewalls, Endframes, Roof and Underframe)	AA00001375051	✓		 9/04/24	 09/04/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓		 9/04/24	 09/04/24
03	REFER TO ANNEXURE A	Spot welding inspected and approved according to procedure	IND-SAL-WMS-016 e DTD0000210675	✓		 9/04/24	 09/04/24
04	REFER TO ANNEXURE B	Arc welding inspected and approved according to procedure	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓		 9/04/24	 09/04/24
05		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓		 9/04/24	 09/04/24
06		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document	Approved according specified on pages below.	✓		 9/04/24	 09/04/24
07	N/A	Perform visual inspection of welds in 100% of the project. Run by penetrant testing in electric arc welding (weld ring) as IND-SAL-WMS-018. Run by penetrant testing welds (weld ring) and fillet sampling as described in DTD0000210658.	As the welding procedure IND-SAL-WMS-018 and DTD0000210658.	✓		 9/04/24	 09/04/24

	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28	Project: PRASA SI.CB1210.247.V28
		Date 07/11/2023	
		Welder traceability	

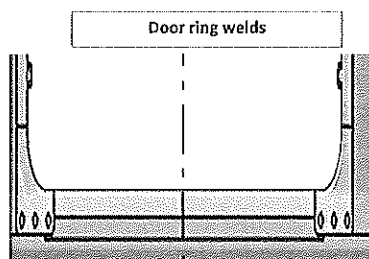


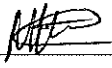

LHS	
Boiler maker (Name & Sign): Justice 	Welder (Name & Sign): MTHOKOZISI 
RHS	
Boiler maker (Name & Sign): SEAN 	Welder (Name & Sign): MTHOKOZISI 

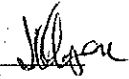

END 1

LHS	
Boiler maker (Name & Sign): Justice 	Welder (Name & Sign): MTHOKOZISI 
RHS	
Boiler maker (Name & Sign): SEAN 	Welder (Name & Sign): MTHOKOZISI 

END 2



LHS
Boiler maker (Name & Sign): Innocent 
Welder (Name & Sign): MTHOKOZISI 

RHS
Boiler maker (Name & Sign): LAWRENCE 
Welder (Name & Sign): MTHOKOZISI 



CARBODYSHELL M2 ASSEMBLY DTR31374497/3

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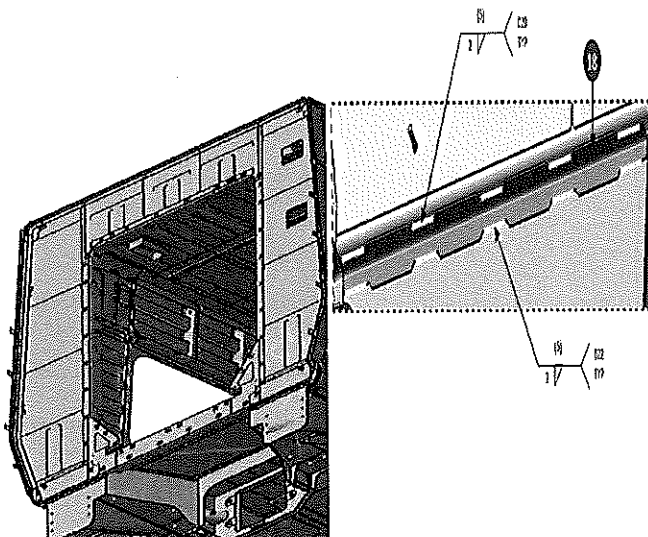
Date

07/11/2023

Project: PRASA

SI.CB1210.247.V28

EUF Reinforcement Plates

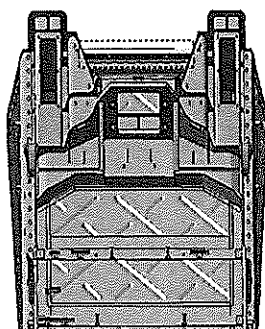


END 1

Boiler maker (Name & Sign): LAURENCE J. J. J.

Welder (Name & Sign): Keran E. J.

END 2

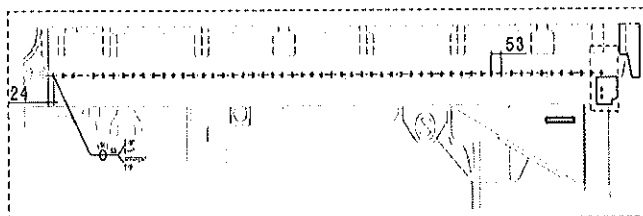


Underneath the CAR

END 2

Boiler maker (Name & Sign): P. J. J.


Welder (Name & Sign): Thabang J. J.

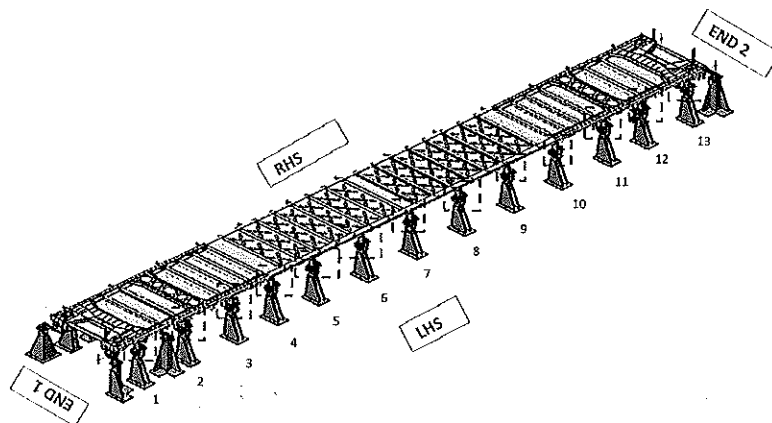


FEDOLI

OPERATOR:

MAHARAJA J. J.

	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28	Project: PRASA SI.CB1210.247.V28
		Date 07/11/2023	
Specifications of Details for CBS measurement			




Measure gap between jig pillar / chair and underframe = 0mm. No

After loading and clamping

Fill in the gap foundon each jig pillars / chair and underframe should be 0mm.


	1	2	3	4	5	6	7	8	9	10	11	12	13
Left Hand Side	0	0	0	0	0	0	0	0	0	0	0	0	0
Right Hand Side	0	0	0	0	0	0	0	0	0	0	0	0	0

Signature Operations:  Date: 9/04/24

After Welding.

Fill in the gap found each Jlg pillars / chair and underframe should be 0mm.

	1	2	3	4	5	6	7	8	9	10	11	12	13
Left Hand Side	0	0	0	0	0	0	0	0	0	0	0	0	0
Right Hand Side	0	0	0	0	0	0	0	0	0	0	0	0	0

Signature Industrial Quality:  Date: 09/04/24



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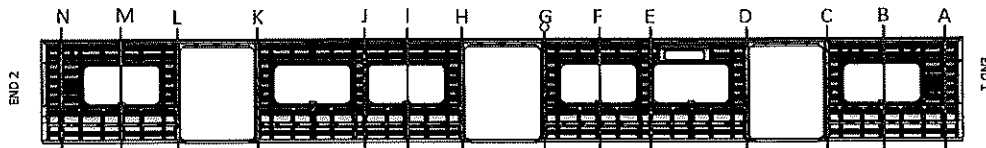
Date

07/11/2023

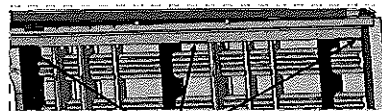
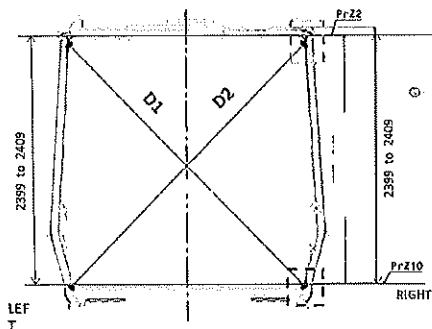
Project: PRASA

SI.CB1210.247.V28

Specifications of Details for CBS measurement



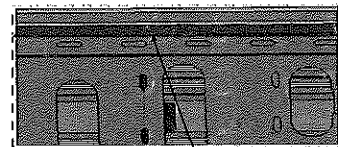
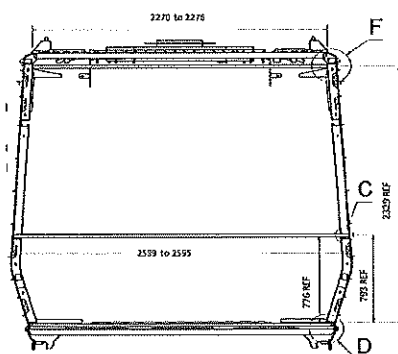
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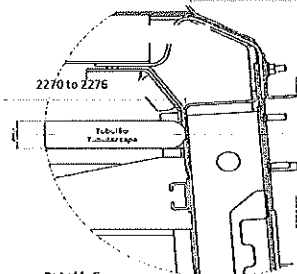
Measurement positions on roof rail and sidewall omega corner.



Measurement positions on sidewall and side sill corner.




Reinforcement area measurement positions on roof reinforcement area.



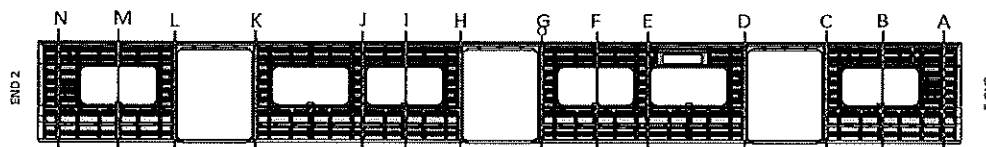
Detail F

Don't considering the reinforcement

	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28 Date 07/11/2023	Project: PRASA SI.CB1210.247.V28
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Specifications of Details for CBS measurement

BEFORE WELDING

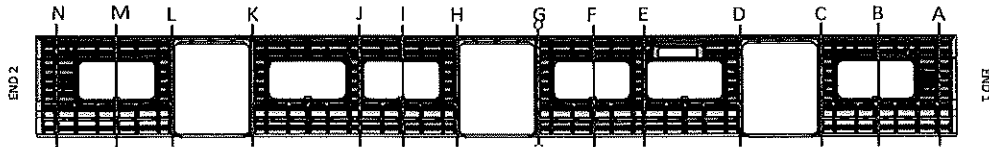


Note: The difference in Height values measured on the LHS and RHS should be $\leq 2\text{MM}$ on each point.

	Record D1 values	Record D2 values	D1-D2 $\leq 5\text{mm}$	2399 to 2409 (LHS)	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3267	3266	1	2404	2405	1
B	3268	3267	1	2405	2406	1
C	3266	3265	1	2405	2406	1
D	3265	3266	1	2405	2405	0
E	3267	3266	1	2405	2404	1
F	3266	3268	2	2406	2406	0
G	3267	3266	1	2405	2406	1
H	3266	3266	0	2404	2404	0
I	3267	3268	1	2405	2405	0
J	3266	3266	0	2406	2406	0
K	3265	3264	1	2406	2407	1
L	3265	3266	1	2405	2405	0
M	3267	3267	0	2406	2405	1
N	3268	3267	1	2405	2405	0

9/04/2024


AFTER WELDING



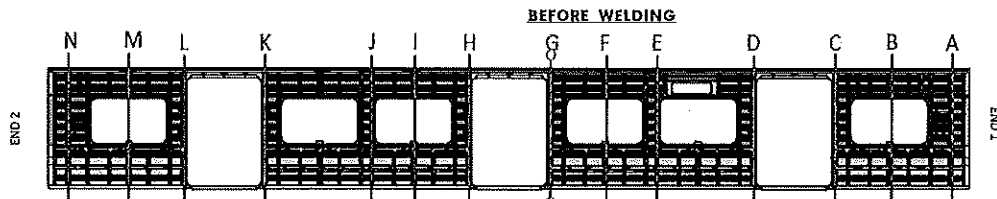
Note: The difference in Height values measured on the LHS and RHS should be $\leq 2\text{MM}$ on each point.

	Record D1 values	Record D2 values	D1-D2 $\leq 5\text{mm}$	2399 to 2409 (LHS)	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3296	3297	1	2405	2406	1
B	3266	3265	1	2406	2406	0
C	3295	3296	1	2406	2406	0
D	3295	3295	0	2405	2405	0
E	3266	3265	1	2406	2406	0
F	3266	3266	0	2405	2405	0
G	3295	3295	0	2405	2405	0
H	3296	3295	1	2406	2406	0
I	3267	3266	1	2406	2405	1
J	3266	3267	1	2406	2406	0
K	3296	3297	1	2405	2405	0
L	3295	3296	1	2405	2406	1
M	3267	3268	1	2406	2406	0
N	3297	3296	1	2406	2406	0

9/04/2024

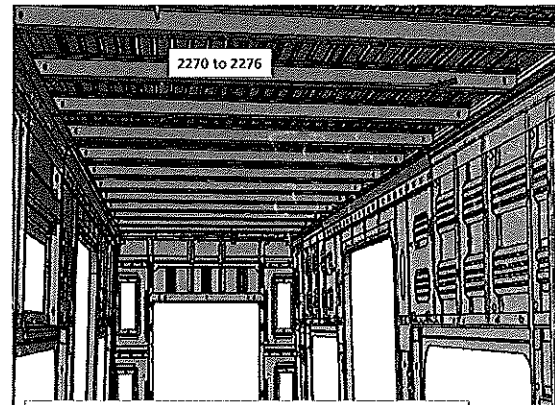
	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28 Date 07/11/2023	Project: PRASA SI.CB1210.247.V28
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CBS measurement

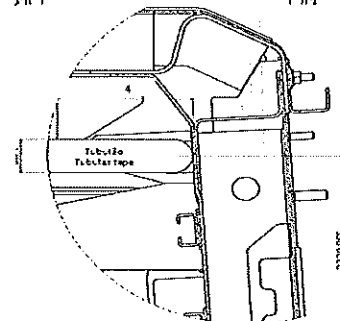
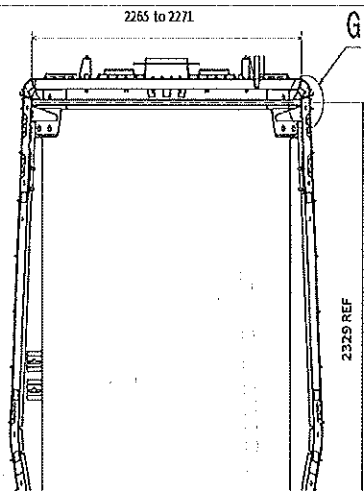


2270 to 2276

A	2276
B	2277
C	2276
D	2275
E	2277
F	2276
G	2275
H	2276
I	2277
J	2275
K	2274
L	2275
M	2277
N	2277



Do not consider reinforcement (Take measurements top area of zee profile



2265 to 2271

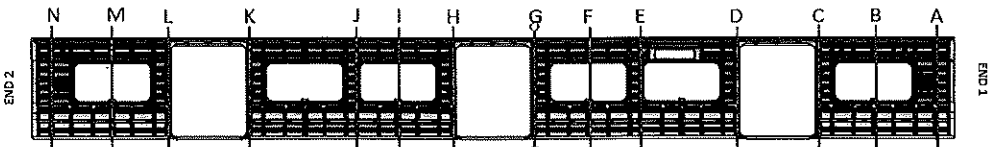
Detail G

Considering the reinforcement plate

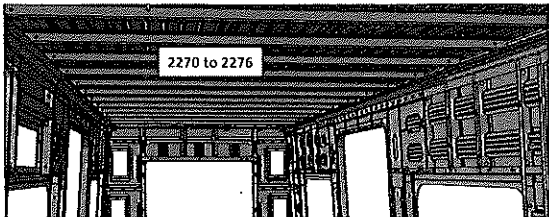
\$
9/04/2024

CBS measurement

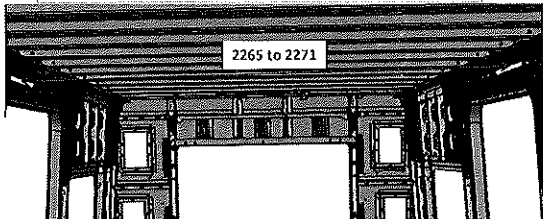
AFTER WELDING



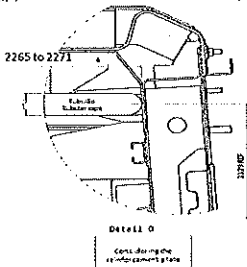
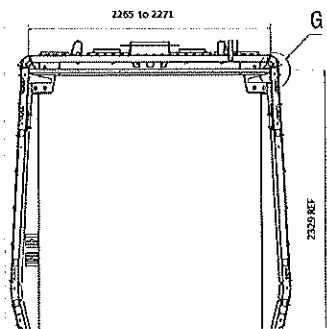
	2265 to 2271	2270 to 2276
A	2269	-
B	-	2276
C	2268	-
D	2267	-
E	-	2275
F	-	2276
G	2267	-
H	2266	-
I	-	2276
J	-	2274
K	2266	-
L	2267	-
M	-	2276
N	2269	-



Do not consider reinforcement (Take measurements top area of zee profile



Take measurement close to radius (considering reinforcement)



9/04/2024



CARBODYSHELL M2 ASSEMBLY DTR31374497/3

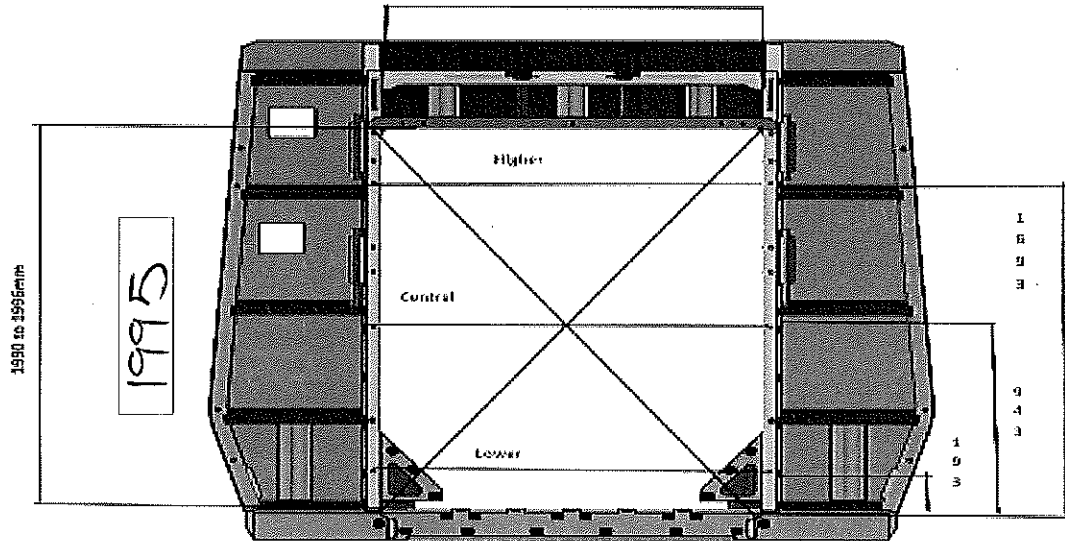
Rev.
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Date
07/11/2023

Project: PRASA
SI.CB1210.247.V28

CBS measurement

End frame 1

1380 to 1382 mm



1380 to 1382 mm

DIAGONAL DIFFERENCE D1-D2 ≤ 3mm

Higher Dimension

1381

D1

2416

Control Dimension

1381

D2

2414

Lower Dimension

1380

D1-D2

2

\$

9/04/2024

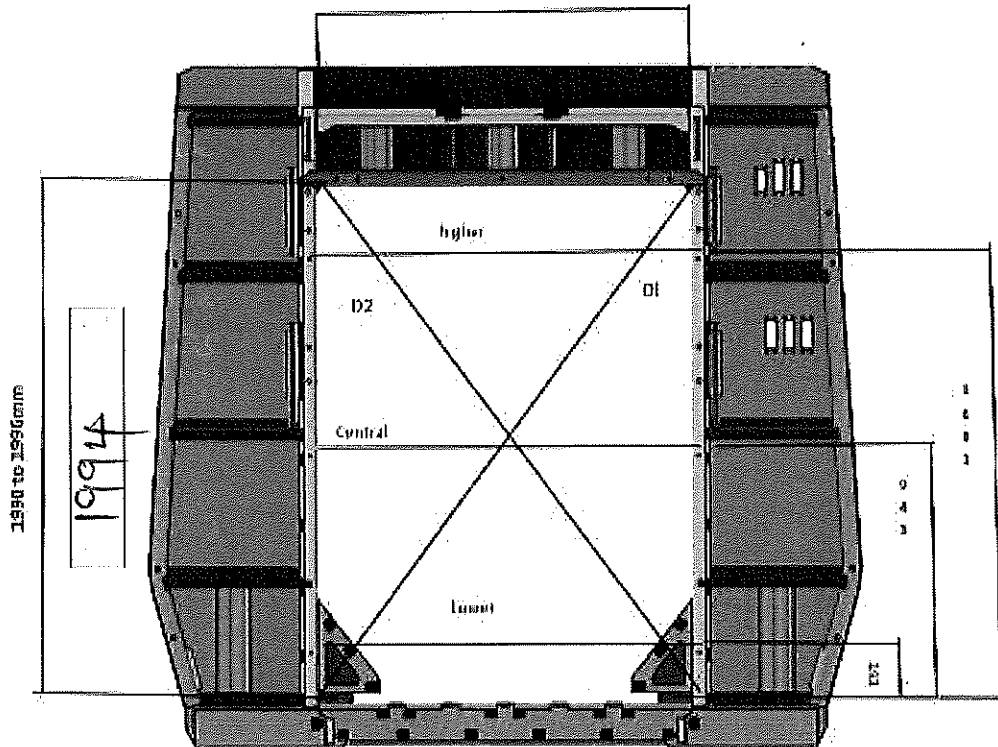


CARBODYSHELL M2 ASSEMBLY DTR31374497/3

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End frame 2



1380 to 1382 mm

DIAGONAL DIFFERENCE $D1-D2 \leq 3\text{mm}$

Higher Dimension

180

D1

2415

Central Dimension

181

D2


2416

Lower Dimension

180

D1-D2

1


9/04/2024



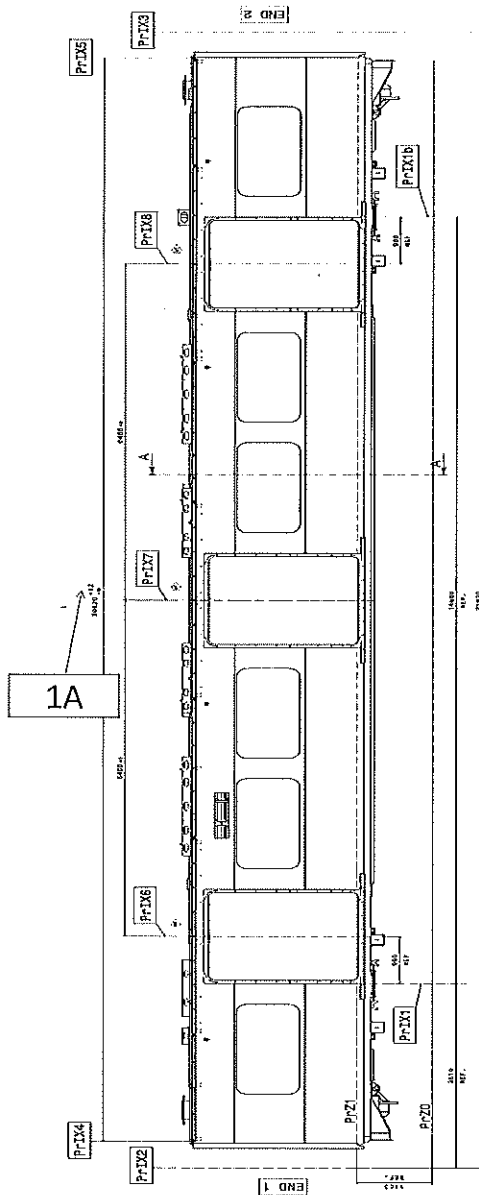
CARBODYSHELL M2 ASSEMBLY DTR31374497/3

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28

Date
07/11/2023

Project: PRASA
SI.CB1210.247.V28

Specifications of Details for CBS measurement



LEFT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	20632 - 20614	20624


RIGHT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	20632 - 20614	20626


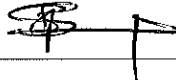
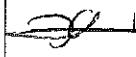
Dye penetrant test

Dye-penetration test to be performed by quality personnel




9/04/2024


		CARBODYSHELL M2 ASSEMBLY DTR31374497/3		Rev. 28 Date 07/11/2023	Project: PRASA SI.CB1210.247.V28		
Item	Description of the Issue				OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
II.2 - Check List REX							
Check List Items							
Item	Picture/Drawing	Description	Criteria /Record	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	To complete REX	Refer to REX. How defects must be added on the REX				


		CARBODYSHELL M2 ASSEMBLY DTR31374497/3		Rev. 28 Date 07/11/2023	Project: PRASA SI.CB1210.247.V28	
Self Inspection - Final Result						
Is the car good to advance to the next workstation/process? (Approval of Operations and Industrial Quality)				DATE	NAME	SIGNATURE
HOLD POINT	GO	(if activities are not complete, the missing activities must not impact the next stage)	09/04/24	SEAN Operations		
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.	09/04/24	Andani Industrial Quality		
	NO GO	There are activities pendings that impact/stop the activities of the next process Obs: (To describe problems below)			Operations	
		There are non-conformities impact the quality of the product and there is no corrective action defined yet			Industrial Quality	
In case of "NO GO", describe blocking problems						
In case of "NO GO", the operations manager must define below action plan to ensure "GO":						
Item	Description		Responsible	Due date	Status	

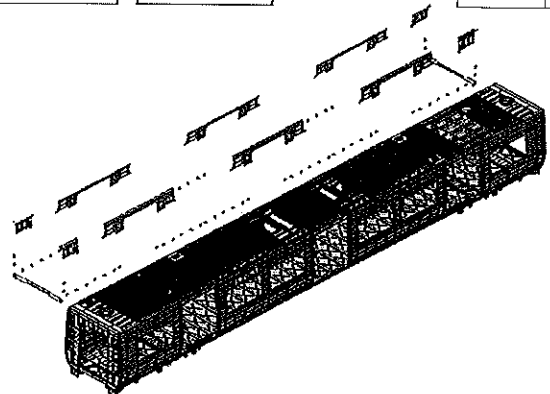
Operations

Quality

GIBELA		PRASA PROJECT									
											
APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1 SELF INSPECTION SHEET											
CONFIDENTIAL INFORMATION This document and the information contemplated therein have to be considered as Confidential Information pursuant to the provisions of Clause 25 of the MSA, and treated as such.											
APPLICATION REFERENCE											
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE					WORK INSTRUCTION	SAFETY?	
				TCL	MA	ML	PL	TL			
<input type="checkbox"/>	DIR31374497/2	AF00001413373	CB1220				X		PRA/CB1220.DTR31374497/2.V21	YES	
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
REV	DATE	MODIFICATION CONTENT		RESPONSIBLE	NAME	DATE					
0	01/02/2018	GIBELA NEW CREATION		APPROVER	Itumeleng Modiba	01/02/2018					
				CHECKER	Nosizo Pindela	01/02/2018					
				COMPILER	Thanyani Mathegu	01/02/2018					
1	18/05/2018	Team leader and Quality Technician to sign Change final signature from PME Manager to Quality manager		APPROVER	Itumeleng Modiba	18/05/2018					
				CHECKER	Nosizo Pindela	18/05/2018					
				REVISED BY	Ramokone Motama	18/05/2018					
2	2018/07/05	Certain dimensional checks added and others moved to CB1210		APPROVER	Itumeleng Modiba	2018/07/05					
				CHECKER	Nosizo Pindela	2018/07/05					
				REVISED BY	Ramokone Motama	2018/07/05					
3	2018/06/12	Width tolerance as per DT0000336500		APPROVER	Itumeleng Modiba	2018/06/12					
				CHECKER	Nosizo Pindela	2018/06/12					
				REVISED BY	Nosizo Pindela	2018/06/12					
5	24/01/2019	As per Baseline 10.2		APPROVER	Itumeleng Modiba	24/01/2019					
				CHECKER	Nosizo Pindela	24/01/2019					
				REVISED BY	Vanessa Ntuli	24/01/2019					
6	13/03/2019	Added D1 and D2 on Self - Inspection length measurements Remove		APPROVER	Itumeleng Modiba	13/03/2019					
				CHECKER	Nosizo Pindela	13/03/2019					
				REVISED BY	Nosizo Pindela	13/03/2019					
7	27/05/2019	Removed measurement positions on the display windows		APPROVER	Itumeleng Modiba	27/05/2019					
				CHECKER	Nosizo Pindela	27/05/2019					
				REVISED BY	Nosizo Pindela	27/05/2019					
10	22/08/2019	New Baseline 10.2.5		APPROVER	Itumeleng Modiba	22/08/2019					
				CHECKER	Nosizo Pindela	22/08/2019					
				REVISED BY	Nosizo Pindela	22/08/2019					
15	06/08/2020	New Baseline 10.2.6		APPROVER	Timothy Maimela	06/08/2020					
				CHECKER	Bongane Masina						
				REVISED BY	Bongane Masina						
20	19/04/2021	New Baseline change 10.3		APPROVER	Timothy Maimela	19/04/2021					
				CHECKER	Bongane Masina						
				REVISED BY	Bongane Masina						
21	17/08/2021	ADDED DIMENSIONS BEFORE WELDING		APPROVER	Mbhombi collins	17/08/2021					
				CHECKER	Mpho Mulaudzi						
				REVISED BY	Mpho Mulaudzi						
25	20/02/2022	New Baseline change 10.3.1		APPROVER	Mbhombi collins	20/02/2022					
				CHECKER	Andani Muthelo						
				REVISED BY	Andani Muthelo						
26	14/06/2022	Update Minimum temperature requirement for sealant application		APPROVER	Mbhombi collins	14/06/2022					
				CHECKER	Andani Muthelo						
				REVISED BY	Andani Muthelo						
27	19/10/2022	Addition of traceability for sealant application and welding.		APPROVER	Mbhombi collins	19/10/2022					
				CHECKER	Ntokozo Zwane						
				REVISED BY	Amogelang Mohlampe						
28	14/04/2023	Added sealant batch number & welding consumables traceability		APPROVER	Vanessa Ntuli	14/04/2023					
				CHECKER	Ntokozo Zwane						
				REVISED BY	Amogelang Mohlampe						
29	28/10/2023	Addition of bracket quantity		APPROVER	Tyson Ngobeni	28/10/2023					
				CHECKER	Kelebene Mathapo						
				REVISED BY	Amogelang Mohlampe						
TRAINSET	CAR	OPERATOR NAME & ALPS NO	DATE	SELF INSPECTION NUMBER	PAGES						
121	M02	ASANDA JOHANN	10-04-24	SI.CB1220.276.V29	15						

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA SI.CB1220.276.V29	
		29		
		Date		
		28/10/2023		
Car: M2	NCR:	Work station:	CB1220	

 Safety Related



I - Documentation and Instruments Control

I.1 - Documentation Control


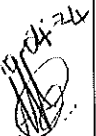

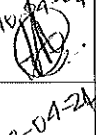
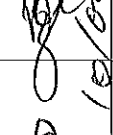
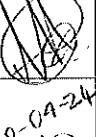
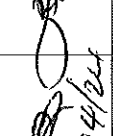
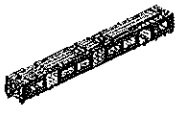

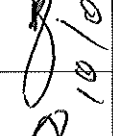
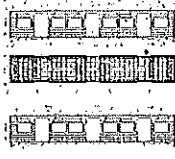


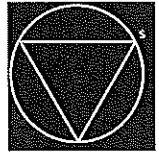
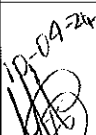

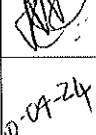
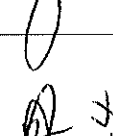

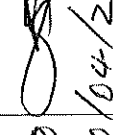
Document	Type of car					Revision	Observation	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
	TCT	MT	ME	MS	MS						
DTR31374497/2			X			29	28-10-23	X		N/A	10-04-24

I.2 - Instruments Control

Monitoring and Measuring Instrument Control - Used for Special Process						
Instrument	Serial number	Calibration or Verification Validation Date	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
Tubular	92-823	15/03/2025	X		10-04-24	10-04-24
measuring tape	9131A024	10/04/2025	X		10-04-24	

I.3 Consumables

Welding Consumable Control - Used for Special Process						
Filler Material	Heat Number	Welding Process	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
308	2731-11	MIG	X		10-04-24	10-04-24

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev. 28	Project: PRASA SI.CB1220.276.V29			
		Date 28/10/2023				
II - Self Inspection - Items to Check						
II.1 - Items to check						
Item	Pictures/Drawing	Description	Acceptance criteria / Record	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Assembly according to Instruction Engineering n° PRA.CB1220. DTR31374497/2 Verification of fitment for all reinforcement brackets	PRA.CB1220. DTR31374497/2	✓	 10-04-24	 10/04/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓	 10-04-24	 10/04/24
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓	 10-04-24	 10/04/24
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓	 10-04-24	 10/04/24
05		Functional dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓	 10-04-24	 10/04/24
06		Perform visual inspection of welds in 100% of the project. Run by penetrant testing in electric arc welding (weld ring) as IND-SAL-WMS-016. Run by penetrant testing welds (weld ring) and fillet sampling as described in DTD0000210658.	As the welding procedure IND-SAL-WMS-016 and DTD0000210658	✓	 10-04-24	 10/04/24
07	N/A	Before application of sealant record the expiry date and make sure that the room temperature and humidity are within specified values as per Works Instructions <div style="font-size: small;"> Specifications Temperature Min - Max (°C) : 10°C - 35°C Relative Humidity Min - Max (%) : 25% - 80% </div>	Sealant Batch No: <u>147003</u> Exp Date: <u>10/04/24</u> Actuals Temperature: <u>20</u> Humidity: <u>60</u>	✓	 10-04-24	 10/04/24
08	NA	Verification of sealant application in certain regions in the drawing.	AAD0001413329	✓	 10-04-24	 10/04/24



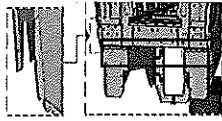
CARBODYSHELL M2 ASSEMBLY DTR31374497/2

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29
Date
28/10/2023

Project: PRASA


SI.CB1220.276.V29

SEALANT APPLICATION

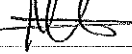


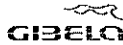
AREA 1 & 2 END 1

Operator (Name & sign):

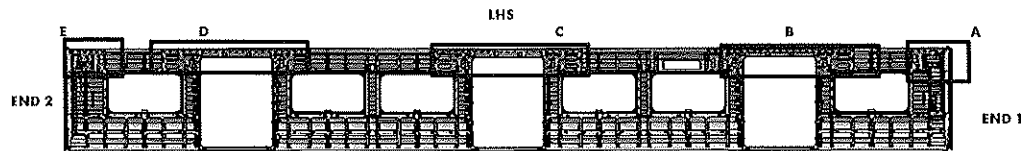
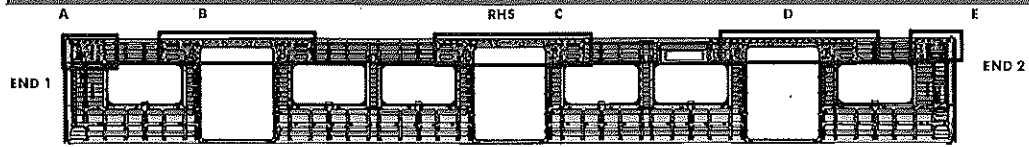
Nikchozisi 

Operator (Name & sign):


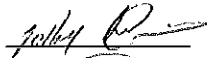




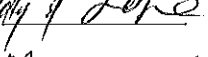

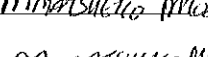

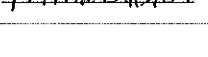
Nikchozisi 


	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA SI.CB1220.276.V29
		29	
		Date	
		28/10/2023	

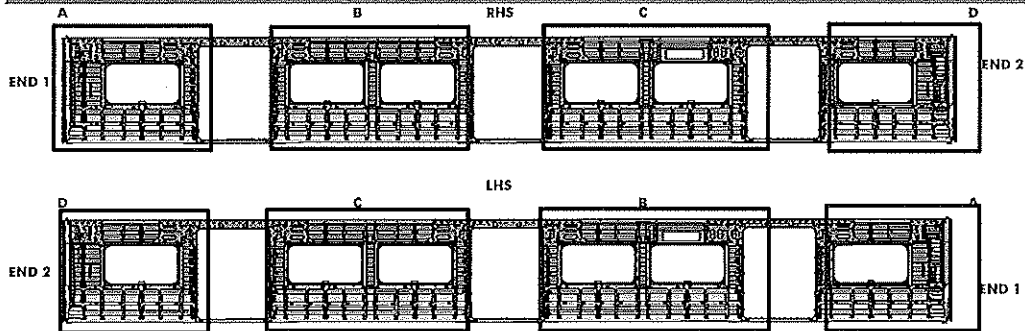
II - Self Inspection - Items to Check




REINFORCEMENT WELDING

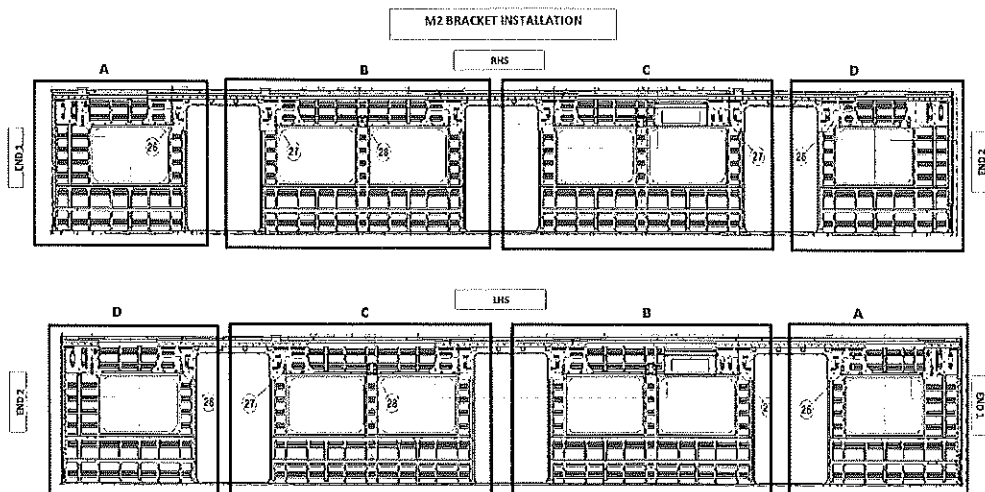
AREA	LHS	RHS
A	Operator (Name&sign): <u>LINDO</u> 	<u>Johny R.</u> 
B	Operator (Name&sign): <u>LINDO</u> 	<u>Ally R.</u> 
C	Operator (Name&sign): <u>LINDO</u>  & <u>Ally R.</u> 	<u>Ally R.</u> 
D	Operator (Name&sign): <u>SHAH</u> 	<u>MATSUOKA MEX</u> 
E	Operator (Name&sign): <u>SHAH</u> 	<u>MATSUOKA MEX</u> 

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA SI.CB1220.276.V29
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		Date	
		28/10/2023	
II - Self Inspection - Items to Check			



BRACKETING	
INSTALLATION	
C-RAILS:	Operator: <u>Leni</u>
	Operator: _____
DOOR MECHANISMS:	Operator: <u>ASINOT</u>
	Operator: _____
TAPPING PADS	Operator: <u>Mthlozi</u>
	Operator: _____
INSTALLATION & VERIFICATION	
SEAT & LUGGAGE BRACKETS:	Operator: <u>Phucilla</u>
	Operator: <u>T.T</u>
SEAT BRACKETS VERIFICATION:	Operator: <u>N/A</u>
	Operator: _____
WELDING	
AREA	LHS
A (Seat brackets)	: Operator (Name&sign): <u>LINDO</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>LINDO</u>
B (Seat brackets)	: Operator (Name&sign): <u>LINDO & JOHNSON</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>LINDO & MATHU</u>
C (Seat brackets)	: Operator (Name&sign): <u>SHIRAZ</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>SHIRAZ</u>
D (Seat brackets)	: Operator (Name&sign): <u>SHIRAZ</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>SHIRAZ</u>
RHS	
A (Seat brackets)	: Operator (Name&sign): <u>LINDO</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>JOHNSON</u>
B (Seat brackets)	: Operator (Name&sign): <u>JOHNSON</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>JOHNSON</u>
C (Seat brackets)	: Operator (Name&sign): <u>MATHU</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>MATHU</u>
D (Seat brackets)	: Operator (Name&sign): <u>SHIRAZ</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>SHIRAZ</u>
ENDS	
END 1 TAPPING PADS WELDING:	Operator (Name&sign): <u>JOHNSON</u>
END 2 TAPPING PADS WELDING:	Operator (Name&sign): <u>MATHU</u>

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA SI.CB1220.276.V29
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		Date	
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QUANTITIES (M2)


RHS

	SECTION	QUANTITY	OK	NOK
C-RAILS	A	8		
	B	8		
	C	8		
	D	2		
SEAT BRACKETS	A	13		
	B	21		
	C	21		
	D	13		
EARTH BUSH	A	2		
	B	4		
	C	6		
	D	3		

ROOF ENDS:

CRAILS 2 OFF EACH END

EARTH BUSH 6 OFF EACH END

VERIFICATION BY: *ASANDA* 


LHS

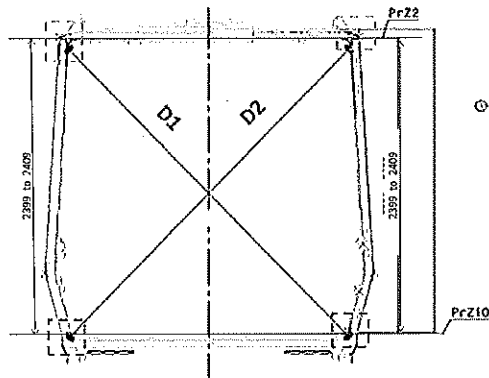
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	B	11		
	C	11		
	D	12		
SEAT BRACKETS	A	12		
	B	21		
	C	21		
	D	13		
EARTH BUSH	A	3		
	B	7		
	C	6		
	D	2		

ROOF ENDS:

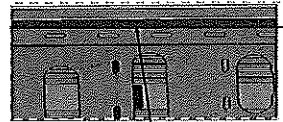
CRAILS 2 OFF EACH END

EARTH BUSH 6 OFF EACH END

VERIFICATION BY: *ASANDA* 



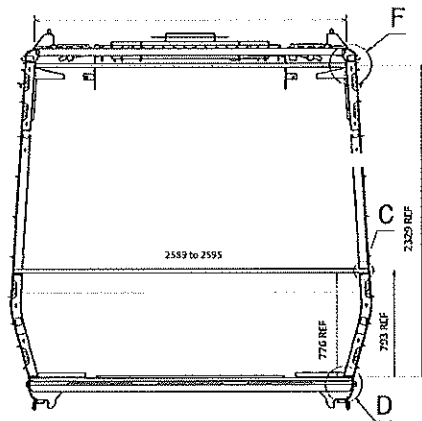
Measurement positions on roof rail and sidewall omega corner.



Reinforcement area measurement positions on roof reinforcement area.



Measurement positions on sidewall and side sill corner.



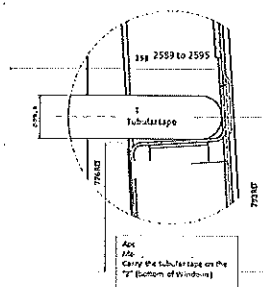
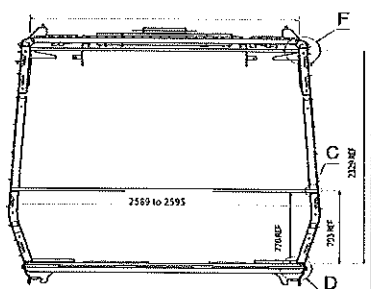


CARBODYSHELL M2 ASSEMBLY DTR31374497/2

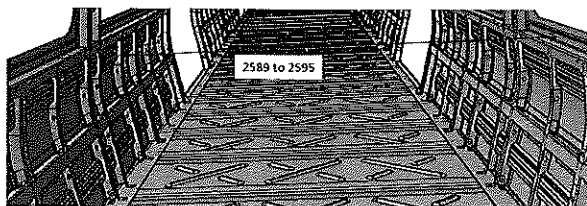
Rev.
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Date
28/10/2023

Project: PRASA

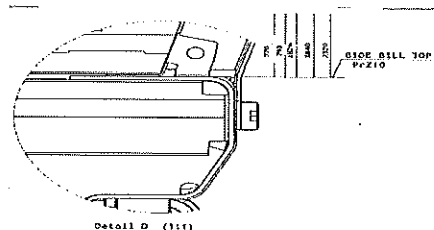
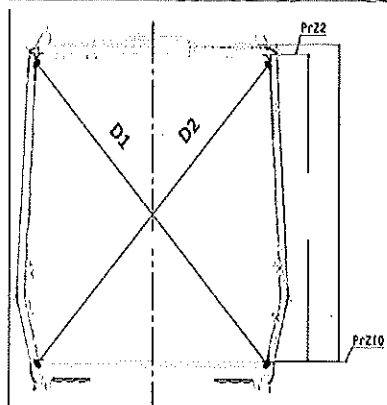
SI.CB1220.276.V29



Detail C



Take measurement close to
radius





CARBODYSHELL M2 ASSEMBLY DTR31374497/2

Rev.

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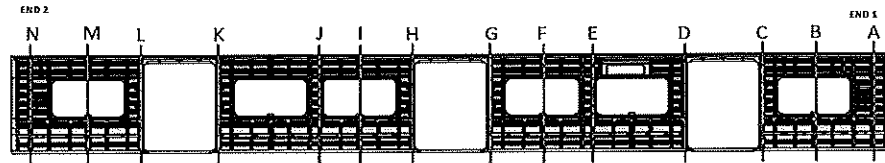
Project: PRASA

Date

28/10/2023

SI, CB1220.276.V29


CBS measurement

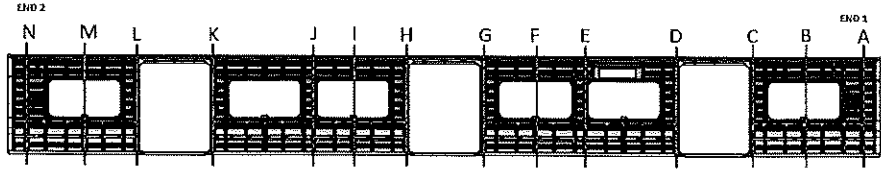


BEFORE WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3300	3298	2	—
B	3265	3265	0	—
C	3295	3292	3	—
D	3299	3292	7	—
E	3265	3266	1	—
F	3265	3260	1	—
G	3297	3294	3	—
H	3296	3298	2	—
I	3262	3265	3	—
J	3265	3266	0	—
K	3300	3297	3	—
L	3300	3296	4	—
M	3261	3265	1	—
N	3298	3299	1	—

10-09-24

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev. 29	Project: PRASA SI.CB1220.276.V29
		Date 28/10/2023	
		CBS measurement	

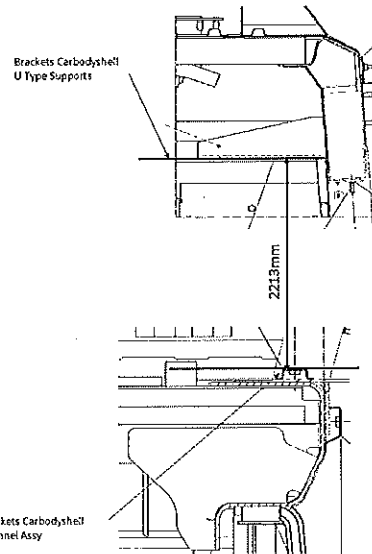
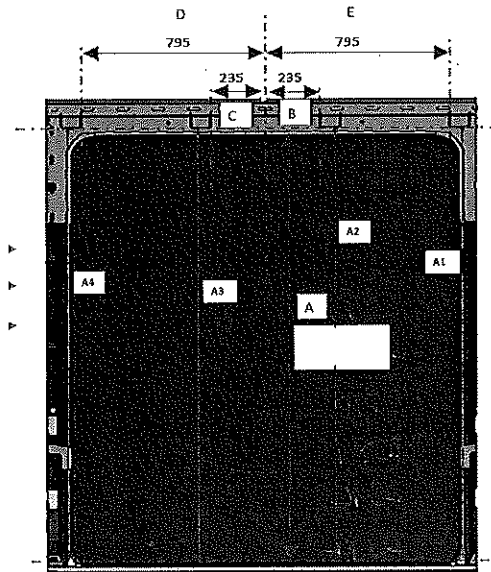


AFTER WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3299	3300	1	2595
B	3264	3264	0	2589
C	3293	3293	0	2590
D	3294	3298	4	2589
E	3267	3266	1	2594
F	3267	3264	3	2594
G	3295	3297	2	2592
H	3294	3297	3	2590
I	3262	3262	0	2596
J	3265	3270	5	2595
K	3300	3294	3	2595
L	3293	3297	4	2589
M	3263	3265	2	2589
N	3298	3300	2	2595


10-04-24

Specifications of Details for CBS measurement CB1220



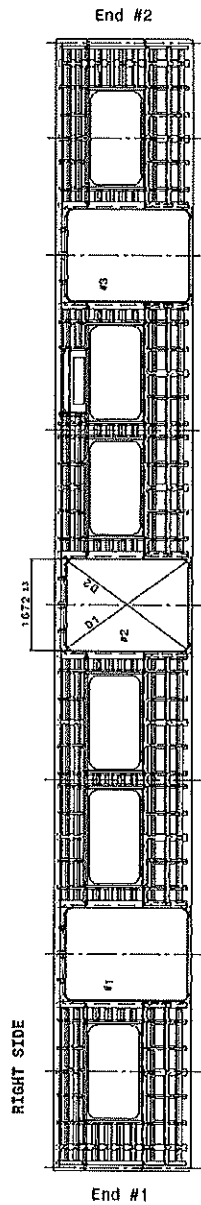
DOOR 1 - LHS			DOOR 2 - LHS			DOOR 3 - LHS		
	VALUE	ACTUAL		VALUE	ACTUAL		VALUE	ACTUAL
A1	2230 to 2232	2231	A1	2230 to 2232	2232	A1	2230 to 2232	2232
A2	2230 to 2232	2232	A2	2230 to 2232	2232	A2	2230 to 2232	2231
A3	2230 to 2232	2231	A3	2230 to 2232	2231	A3	2230 to 2232	2232
A4	2230 to 2232	2232	A4	2230 to 2232	2232	A4	2230 to 2232	2231
B	234 to 236	235	B	234 to 236	235	B	234 to 236	235
C	234 to 236	235	C	234 to 236	235	C	234 to 236	235
D	794 to 796	795	D	794 to 796	794	D	794 to 796	795
E	794 to 796	795	E	794 to 796	796	E	794 to 796	795

DOOR 1 - RHS			DOOR 2 - RHS			DOOR 3 - RHS		
	VALUE	ACTUAL		VALUE	ACTUAL		VALUE	ACTUAL
A1	2230 to 2232	2232	A1	2230 to 2232	2232	A1	2230 to 2232	2232
A2	2230 to 2232	2231	A2	2230 to 2232	2231	A2	2230 to 2232	2231
A3	2230 to 2232	2232	A3	2230 to 2232	2232	A3	2230 to 2232	2232
A4	2230 to 2232	2231	A4	2230 to 2232	2232	A4	2230 to 2232	2231
B	234 to 236	235	B	234 to 236	235	B	234 to 236	235
C	234 to 236	235	C	234 to 236	235	C	234 to 236	235
D	794 to 796	795	D	794 to 796	796	D	794 to 796	794
E	794 to 796	796	E	794 to 796	794	E	794 to 796	796

10-09-24

[Handwritten signature]

Specifications of Details for CBS measurement CB1220

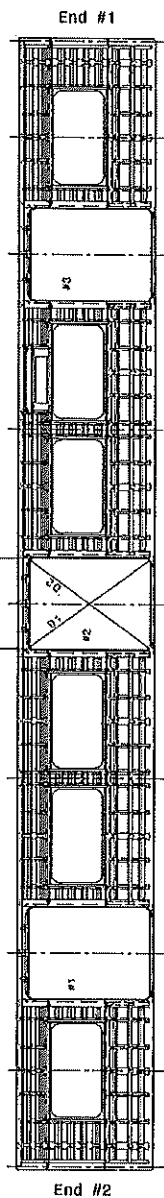


Doors diagonal D1-D2 maximum difference ≤4mm

#1	#2	#3
D1 2747	D2 2746	D3 2745
D1-D2 0	D2-D3 2	D3-D1 1

#1	#2	#3
1674	1672	1674
1673	1672	1673
1671	1672	1671
HIGHER DIMENSION	CENTRAL DIMENSION	LOWER DIMENSION

LEFT SIDE



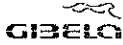

4mm


#1	#2	#3
D1 2748	D2 2744	D3 2745
D1-D2 1	D2-D3 1	D3-D1 3

Vão de Portas - 1672 ±3mm

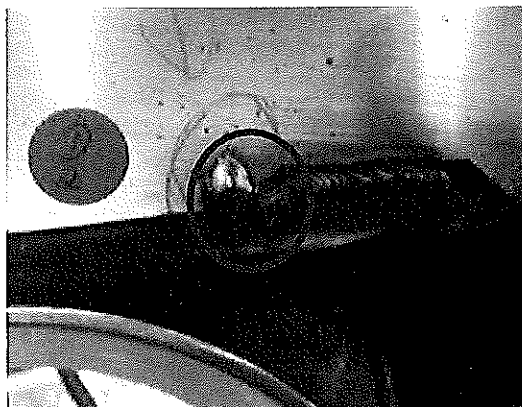
#1	#2	#3
1673	1674	1673
1672	1673	1672
1671	1671	1671
DIENSÃO SUPERIOR	HIGHER DIMENSION	CENTRAL DIMENSION
		LOWER DIMENSION

10-04-24

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA		
		29			
		Date	SI.CB1220.276.V29		
		28/10/2023			
Self Inspection - Final Result					
Is the car good to advance to the next workstation/process? (Approval of Operations and Industrial Quality)		DATE	NAME	SIGNATURE	
HOLD POINT	GO	(If activities are not complete, the missing activities must not impact the next stage!)	10-04-24	ASAMIDA Operations	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party)	10/04/24	NHOLCOO Industrial Quality	
		There are activities pendings that impact/stop the activities of the end process Obs: (To describe problems below)			Operations
		There are non-conformities impact the quality of the product and there is no corrective action defined yet)			
In case of "NO GO", describe blocking problems					
In case of "NO GO", the operations manager must define below action plan to ensure "GO":					
Item	Description	Responsible	Due date	Status	
		Operations	Quality		

	CARBODYSHELL M2 ASSEMBLY DTR31374497/2	Rev.	Project: PRASA SI.CB1220.276.V29
		29	
		Date	
		28/10/2023	

ANNEXURE A: Arc Welding Quality Acceptance Standard



GIBELA

PRASA PROJECT

APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

SELF INSPECTION SHEET

CONFIDENTIAL INFORMATION

This document and the information contemplated therein have to be considered as Confidential information pursuant to the provisions of Clause 25 of the MSA, and treated as such.


APPLICATION REFERENCE

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE							WORK INSTRUCTION	SAFETY ?
				TC	MA	M1	M2	M3	YC			
<input type="checkbox"/>	AA00001374497	AAD0001413329	CARBODY SHELL M2 ASSEMBLY	CB1230				X			PRA.CB1230.AA00001374497.V20	YES
<input type="checkbox"/>												
<input type="checkbox"/>												
<input type="checkbox"/>												
<input type="checkbox"/>												
REV	DATE	MODIFICATION CONTENT	RESPONSIBLE	NAME	DATE							
0	2018/08/02	GIBELA NEW CREATION	APPROVER	Philippe Marques	2018/08/02							
			CHECKER	Nosizo Pindela	2018/08/02							
			COMPILER	Nosizo Pindela	2018/08/02							
1	30/5/2018	Team leader and Quality Technician to sign Change final signature from PME Manager to Quality manager	APPROVER	Itumeleng Modiba	30/5/2018							
			CHECKER	Nosizo Pindela	30/5/2018							
			REVISED BY	Nosizo Pindela	30/5/2018							
2	2018/05/07	Certain dimensional checks moved to CB1220	APPROVER	Itumeleng Modiba	2018/05/07							
			CHECKER	Nosizo Pindela	2018/05/07							
			REVISED BY	Ramokone Motama	2018/05/07							
5	24/01/2019	As per Baseline 10.2	APPROVER	Itumeleng Modiba	24/01/2019							
			CHECKER	Nosizo Pindela	24/01/2019							
			REVISED BY	Vanessa Ntuli	24/01/2019							
6	13/03/2019	Added Twist and Door Bracket Measurements Remove Door Measurements	APPROVER	Itumeleng Modiba	13/03/2019							
			CHECKER	Nosizo Pindela	13/03/2019							
			REVISED BY	Vanessa Ntuli	13/03/2019							
10	23/03/2019	New Baseline 10.2.5	APPROVER	Itumeleng Modiba	23/03/2019							
			CHECKER	Nosizo Pindela	23/03/2019							
			REVISED BY	Nosizo Pindela	23/03/2019							
1	06/08/2020	New Baseline 10.2.6	APPROVER	Timothy Maimela	06/08/2020							
			CHECKER	Bongane Masina	06/08/2020							
			REVISED BY	Bongane Masina	06/08/2020							
20	19/04/2021	New Baseline change 10.3	APPROVER	Timothy Maimela	19/04/2021							
			CHECKER	Bongane Masina	19/04/2021							
			REVISED BY	Bongane Masina	19/04/2021							
25	20/02/2022	New Baseline change 10.3.1	APPROVER	Collins Mbumbhi	20/02/2022							
			CHECKER	Andani Muthelo	20/02/2022							
			REVISED BY	Andani Muthelo	20/02/2022							
26	14/06/2022	Update minimum temperature requirement for sealant application	APPROVER	Collins Mbumbhi	14/06/2022							
			CHECKER	Andani Muthelo	14/06/2022							
			REVISED BY	Andani Muthelo	14/06/2022							
27	26/07/2022	Threshold measurement addition	APPROVER	Collins Mbumbhi	27/07/2022							
			CHECKER	Andani Muthelo	27/07/2022							
			REVISED BY	Andani Muthelo	27/07/2022							
28	17/10/2022	Addition of traceability for sealant application	APPROVER	Collins Mbumbhi	17/10/2022							
			CHECKER	Nkoko Zwane	17/10/2022							
			REVISED BY	Anogelang Mhlangeni	17/10/2022							
29	14/04/2023	Added sealant batch number & welding consumables traceability	APPROVER	Vanessa Ntuli	14/04/2023							
			CHECKER	Nkoko Zwane	14/04/2023							
			REVISED BY	Anogelang Mhlangeni	14/04/2023							
30	06/11/2023	Added traceability on thresholds for boiler makers and welders	APPROVER	Ngobeni Tyson	06/11/2023							
			CHECKER	Andani Muthelo	06/11/2023							
			REVISED BY	Nkoko Zwane	06/11/2023							
TRAINSET	CAR	OPERATOR NAME & ALPS NO	DATE	SELF INSPECTION NUMBER	PAGES							
Q21	M2	Zanele 42779	11/04/24	SI.CB1230.277.V29	11							

GIBELA

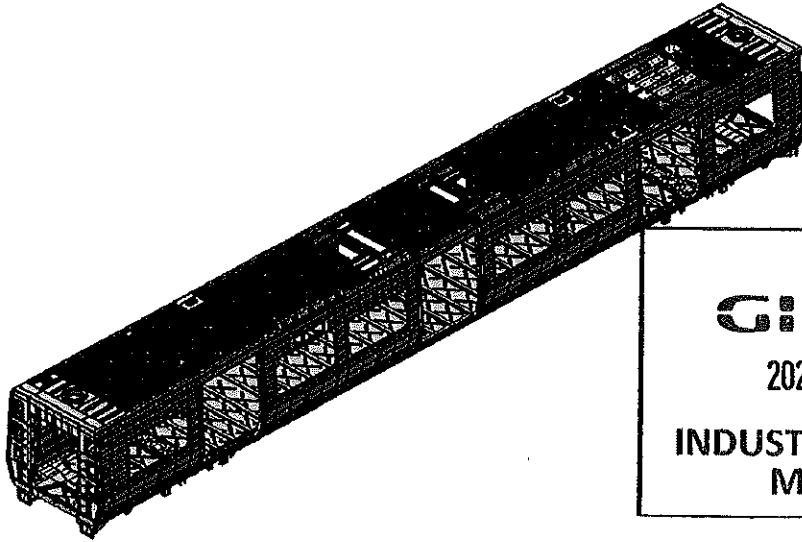
2024-04-11

INDUSTRIAL QUALITY
MAINLINE

	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA SI.CB1230.277.V29
		Date 06/11/2023	
Car:	NCR:	Work station: CB1230	



Safety Related




GIBELQ

2024 -04- 11

**INDUSTRIAL QUALITY
MAINLINE**

I - Documentation and Instruments Control

I.1 - Documentation Control

Document	Type of car						Revision	Observation	OK	NOK	N/A	Signature/Date (Operations)	Signature/Date (Quality)
	TC	M1	M2	M3	M4	TC2							
PRA.CB1230.AA00001374497			X				30		X		N/A	11/04/24	11/04/24

I.2 - Instruments Control








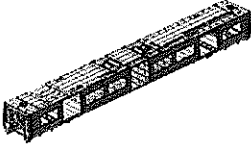


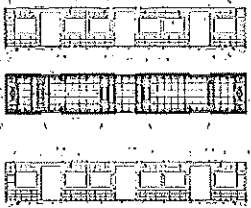


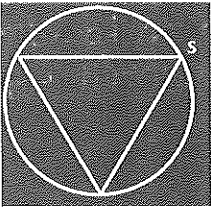







Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Serial number	Calibration or Verification Validation Date	OK	NOK	Signature/Date (Operations)	Signature/Date (Quality)
Tubular	GIBCS0013	2024/05/11	X		11/04/24	11/04/24
Combination square	GIBTA0348	2024/05/05	X		11/04/24	11/04/24
Tape Measurement	12062-2	2025/02/19	X		11/04/24	11/04/24

1.3 Consumables

Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process	OK	NOK	Signature/Date (Manufacturing)	Signature/Date (Quality)
308 LSi	E235067	mig	X		11/04/24	11/04/24

		CARBODYSHELL M2 ASSEMBLY AA00001374497		Rev. 30 Date 06/11/2023	Project: PRASA SI.CB1230.277.V29			
II - Self Inspection - Items to Check								
II.1 - Items to check								
Item	Picture/Drawing	Description	Acceptance criteria / Record	OK	NOX	REWORK	Signature/Date (Operations)	Signature/Date (Quality)
01	N/A	Assembly according to Instruction Engineering n° PRA.CB1230.AA00001374497 Verification of fitment for all brackets.	PRA.CB1230.AA00001374497	X			 11/04/24	 11/04/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	X			 11/04/24	 11/04/24
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	X			 11/04/24	 11/04/24
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	X			 11/04/24	 11/04/24
05		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	X			 11/04/24	 11/04/24
06		Perform visual inspection of welds in 100% of the project. Run by penetrant testing in electric arc welding (weld ring) as IND-SAL-WMS 018. Run by penetrant testing welds (weld ring) and fillet sampling as described in DTD0000210658.	As the welding procedure IND-SAL-WMS-018 and DTD0000210658.	X			 11/04/24	 11/04/24
07	 2024 -04- 11 INDUSTRIAL QUALITY MAINLINE		Before application of sealant record the expiry date and make sure that the room temperature and humidity are within specified values as per Works Instructions Specified: Temperature Min - Max (I) Min-Max 10°C - 35°C Relative humidity Min - Max (I) Min-Max 25% - 60%	Sealant Batch No: <u>ISR 70-05</u> Exp Date: <u>05/24</u> Actuals Temperature: <u>20°C</u> Humidity: <u>37%</u>	X		 11/04/24	 11/04/24
08	N/A	Verification of sealant application in regions of roof and sideframe.	Sealant applied in regions of roof and sideframe.	X			 11/04/24	 11/04/24



CARBODYSHELL M2 ASSEMBLY AA00001374497

Rev.
30

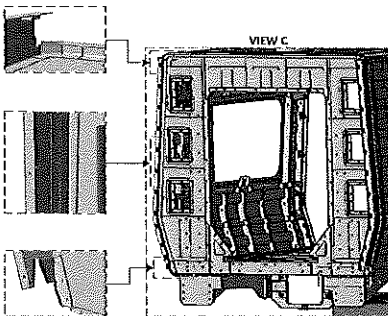
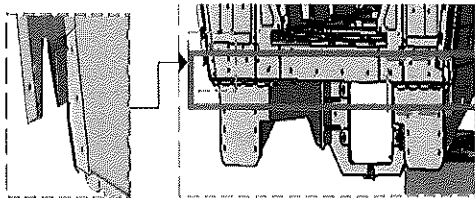
Date

06/11/2023

Project: PRASA

SI.CB1230.277.V29

AREA 1



END 2 SEALANT

OPERATOR
(Name & sign):

Zanele Leroy

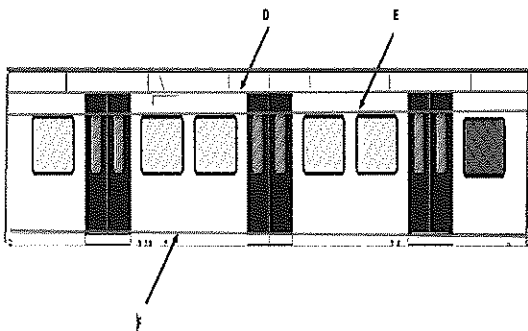
OPERATOR
(Name & sign):

Leroy

OPERATOR
(Name & sign):

Zanele

H



Area D,E,F,G,H,I

Operator (Name & sign):

LHS

D,E,F,G,H,I

RHS

D,E,F,G,H,I

Operator (Name & sign):

Sine

Operator (Name & sign):

Ishendo

Operator (Name & sign):

Ishendo

Operator (Name & sign):

Ishendo

Operator (Name & sign):



2024-04-11

INDUSTRIAL QUALITY
MAINLINE



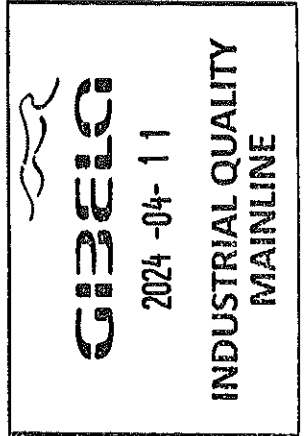
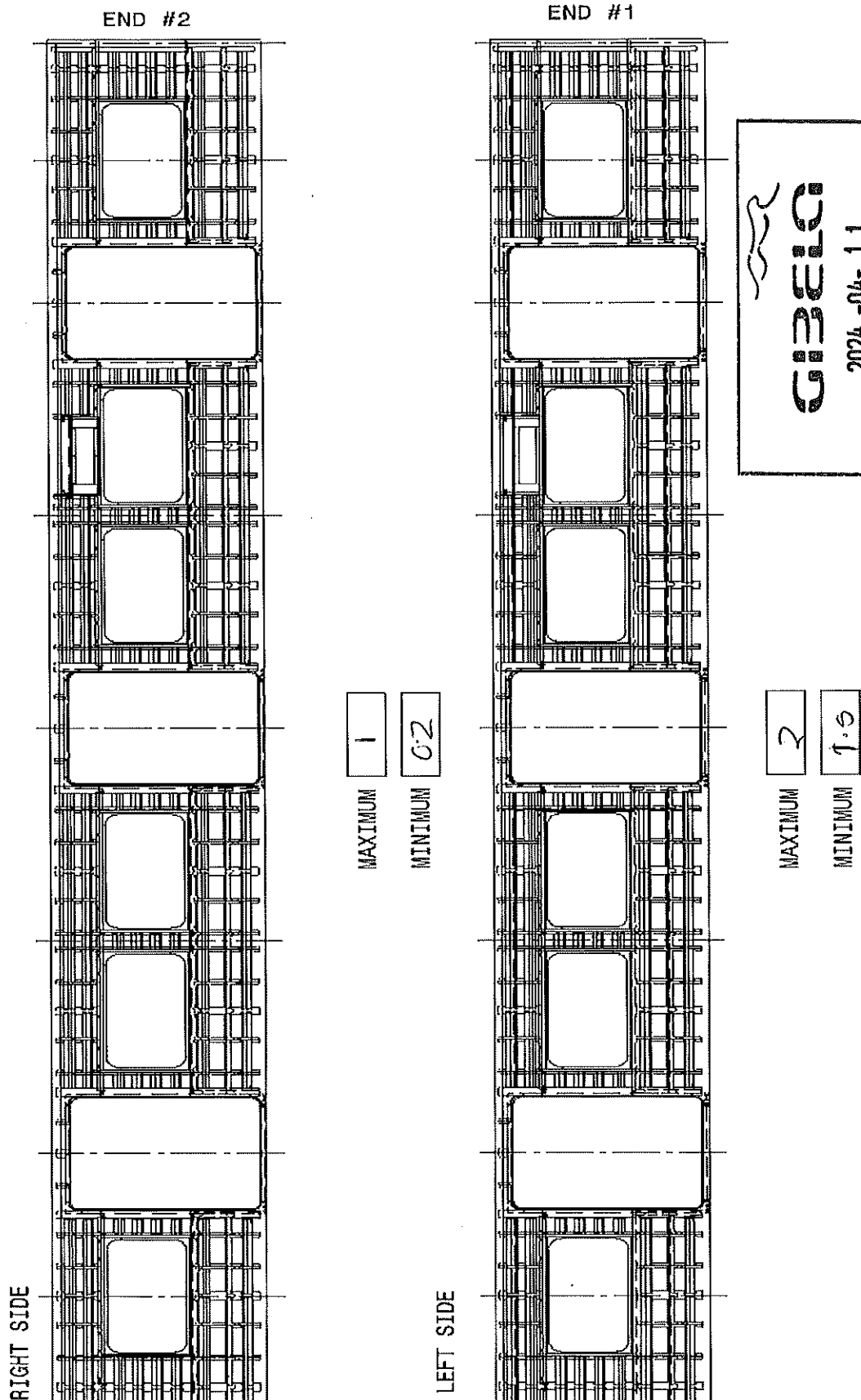
CARBODYSHELL M2 ASSEMBLY AA00001374497


Rev.
30
Date
06/11/2023

Project: PRASA
SI.CB1230.277.V29

Specifications of Details for CBS measurement CB1230

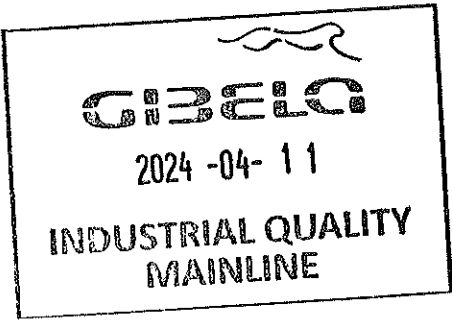
latness side left and right maximum of 2mm in the valley to peak measured in 900mm. Record the maximum and minimum value found and indicate the corresponding region.



	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA SI.CB1230.277.V29
		Date 06/11/2023	

END #1

END #2





CARBODYSHELL M2 ASSEMBLY AA00001374497

Rev.
30

Date

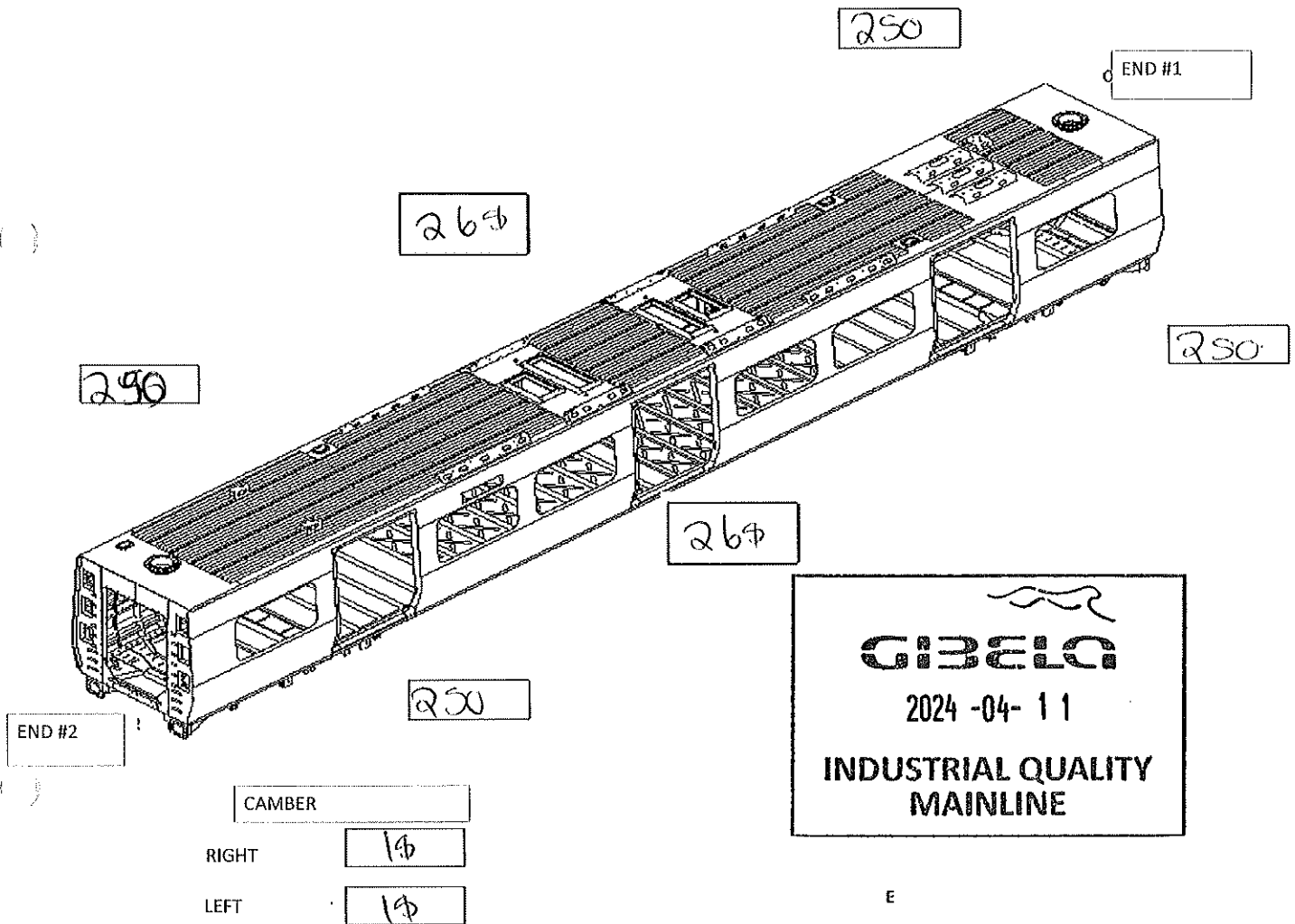
06/11/2023

Project: PRASA

SI.CB1230.277.V29

Specifications of Details for CBS measurement CB1230

Specified Camber for car out of jig is 18mm(-0mm + 2mm)





CARBODYSHELL M2 ASSEMBLY AA00001374497

Rev.
30

Date

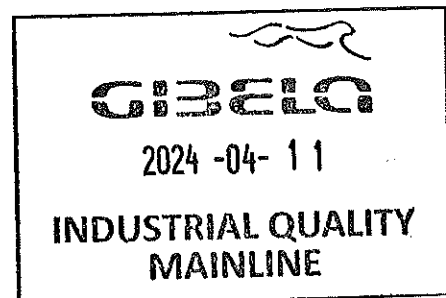
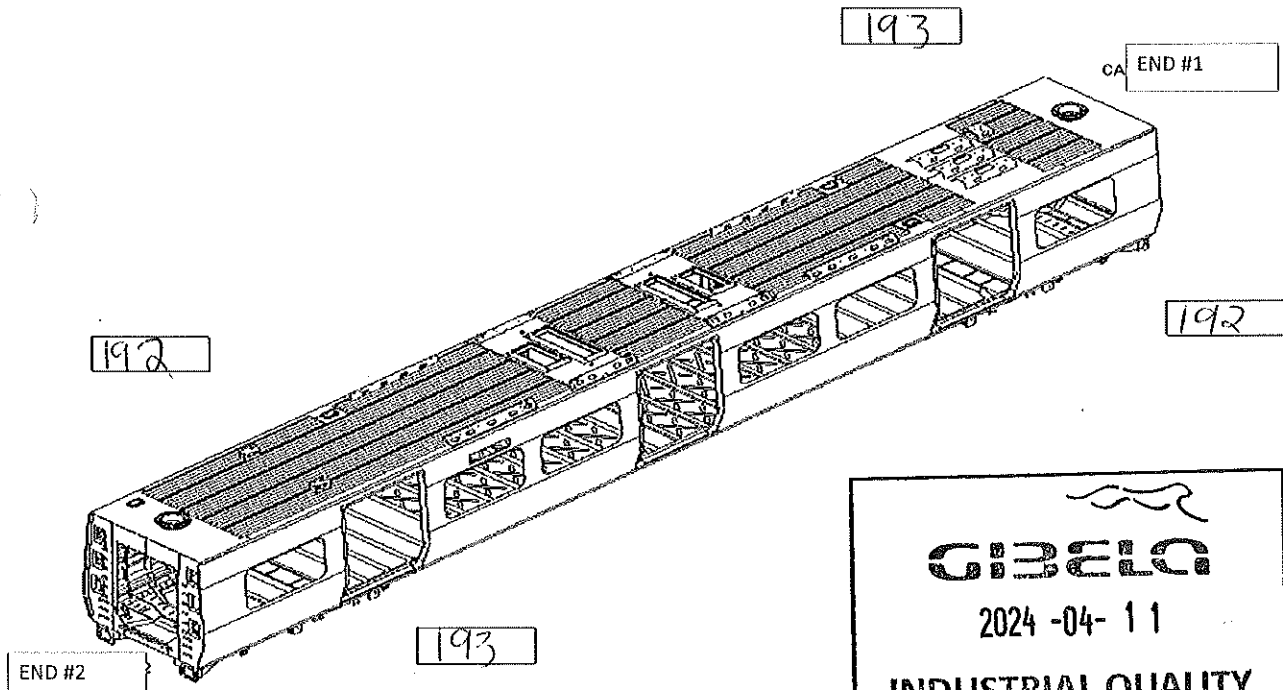
06/11/2023

Project: PRASA

SI.CB1230.277.V29

Specifications of Details for CBS measurement CB1230

Twist measured in transversal and longitudinal = Maximum 3mm. Measure twist on air spring plates (LHS and RHS), both End 1 and End 2 following twist measurement document.



TWIST FOUND ON END 1

TRANVERSE

1

LONGITUDINAL

1

TWIST FOUND ON END 2

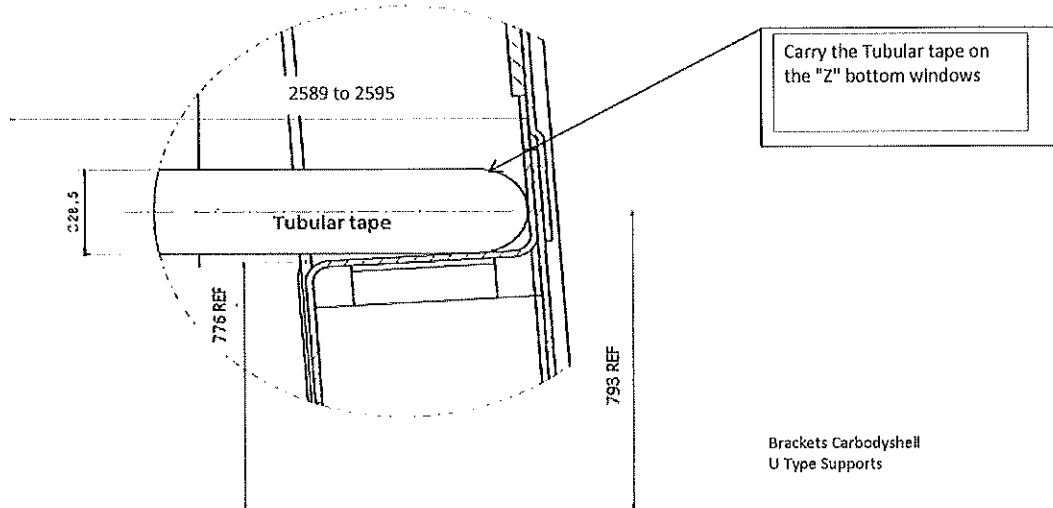
TRANVERSE

1

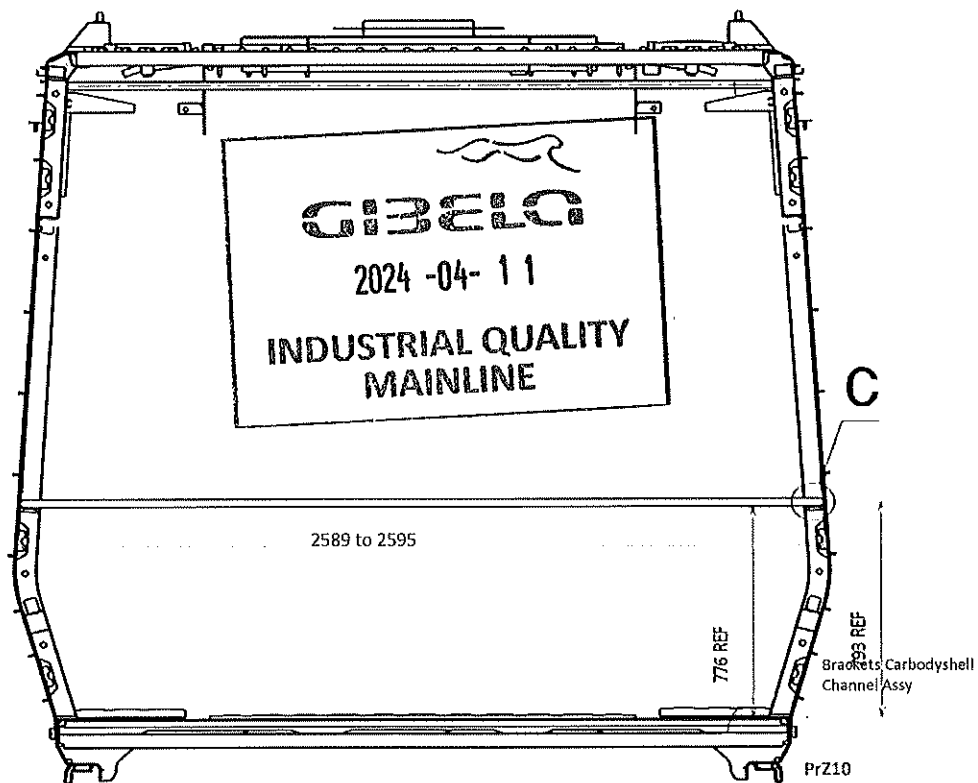
LONGITUDINAL

1

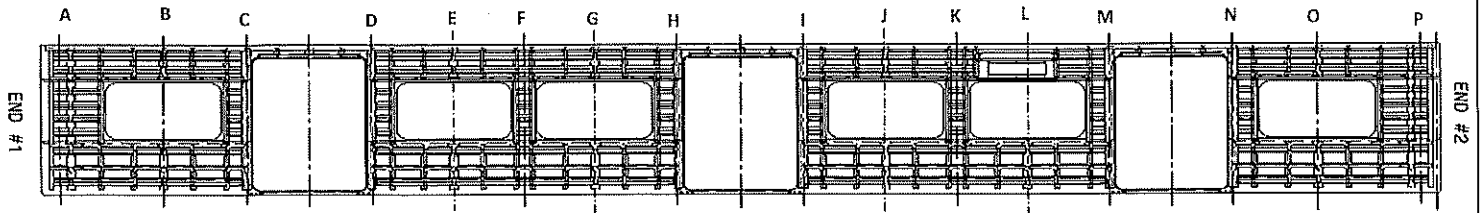
Specifications of Details for CBS measurement CB1230



Detail C

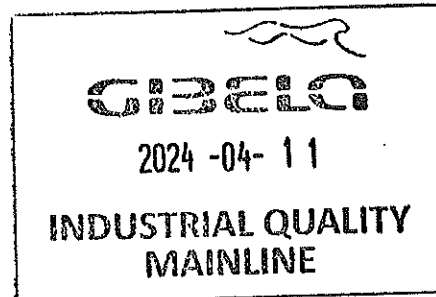
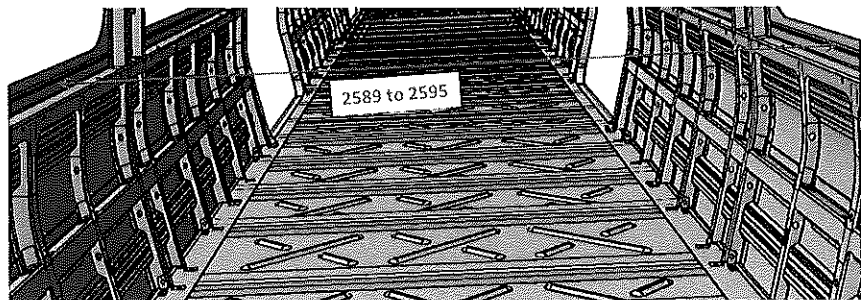


Specifications of Details for CBS measurement CB1230



2589 to 2595mm

A	2590
B	2592
C	2595
D	2592
E	2593
F	2595
G	2594
H	2595
I	2594
J	2593
K	2592
L	2595
M	2592
N	2593
O	2590
P	2592



Threshold verification


Nominal value :38

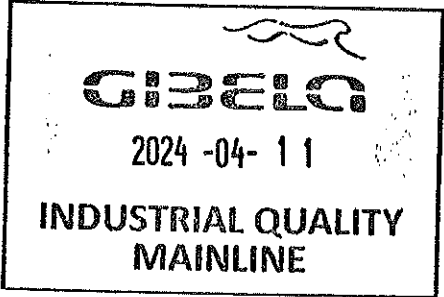
Door 1		Door 2		Door 3	
L	R	L	R	L	R
38	38	39	39	38	38
Door 4		Door 5		Door 6	
L	R	L	R	L	R
38	39	39	38	38	38


BOILER MAKER: Kgdoso

WELDER:

Mafantsa
Zele

	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA SI.CB1230.277.V29
		Date	
		06/11/2023	




	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA SI.CB1230.277.V29
		Date 06/11/2023	

Dye penetrant test

Dye-penetration test to be performed by quality personnel



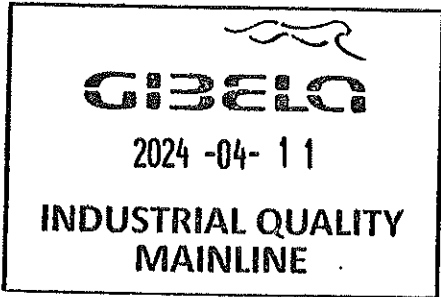
	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA SI.CB1230.277.V29
		Date	
		06/11/2023	


Specifications of Details for CBS measurement

Item	Description of the issue	OK	Signature/Date (Operations)	Signature/Date (Quality)


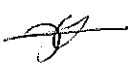
II.2 - Check List REX

Check List Items								
Item	Picture/Drawing	Description	Criteria /Record	OK	NOK	Rework	Signature/Date (Operations)	Signature/Date (Quality)
01	N/A	To complete REX	Refer to REX. New defects must be added on the REX					



	CARBODYSHELL M2 ASSEMBLY AA00001374497	Rev. 30	Project: PRASA
		Date	
		06/11/2023	
		SI.CB1230.277.V29	

Self Inspection - Final Result

Is the car good to advance to the next workstation/process? (Approval of Operations and Industrial Quality)				DATE	NAME	SIGNATURE
HOLD POINT		GO	(If activities are not complete, the missing activities must not impact the next stage)	11/04/24	Zanele Makhanya	
			Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.	11/04/24	Andani	
		NO GO	There are activities pending that impact/stop the activities of the next process Obs: (To describe problems below)			
			There are non-conformities impact the quality of the product and there is no corrective action defined yet)			

In case of "NO GO", describe blocking problems

In case of "NO GO", the operations manager must define below action plan to ensure "GO":

Item	Description	Responsible	Due date	Status

Operations

Quality



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