


**PRASA PROJECT**


APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1







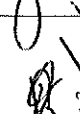
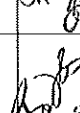
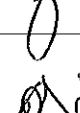
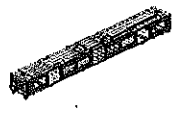


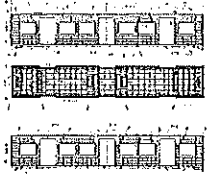




# SELF INSPECTION SHEET


**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.

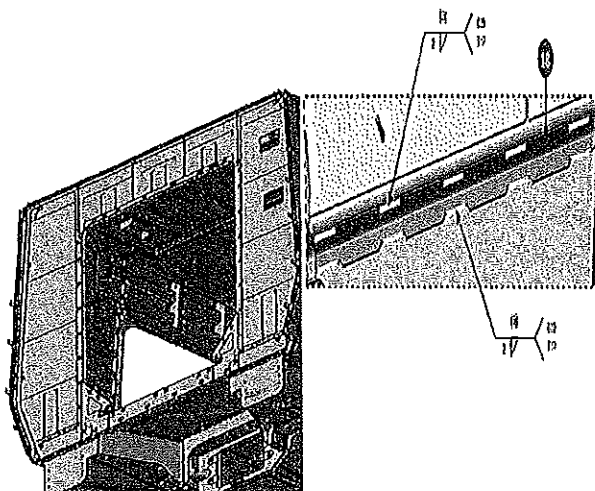
**APPLICATION REFERENCE**

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ? 	
				TC1	M1	M2	M3	M4	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					
15226	MM	Tumelo 40081		08.05.24	SI.CB1210.247.V28		17					

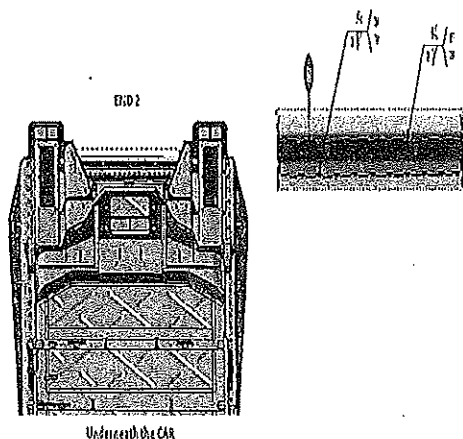
	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28	Project: PRASA SI.CB1210.247.V28			
		Date 07/11/2023				
<b>II - Self Inspection - Items to Check</b>						
II.1 - Items to check						
Item	Picture/Drawing	Description	Acceptance criteria / Record	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Verification of correct parts loaded (Sidewalls, Endframes, Roof and Underframe)	AA00001375051	✓	 08.05.24	 08/05/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓	 08.05.24	 08/05/24
03	REFER TO ANNEXURE A	Spot welding inspected and approved according to procedure	IND-SAL-WMS-016 e DTD0000210675	✓	 08.05.24	 08/05/24
04	REFER TO ANNEXURE B	Arc welding inspected and approved according to procedure	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓	 08.05.24	 08/05/24
05		Cleaning of oil Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓	 08.05.24	 08/05/24
06		Functional dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document	Approved according specified on pages below.	✓	 08.05.24	 08/05/24
	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.	✓	 08.05.24	 08/05/24

	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 20	Project PRASA
		Date 07/11/2023	SI.CB1210.247.V28

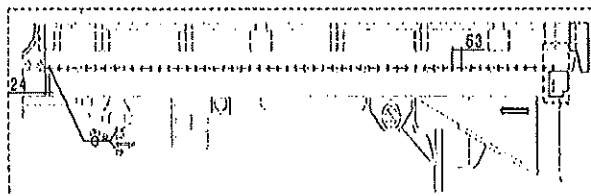
EUP Reinforcement Plates



END 1  
 Boiler maker (Name & Sign): TONTOO [Signature]  
 Welder (Name & Sign): SIPHOKAZA [Signature]



END 2  
 Boiler maker (Name & Sign): Justice [Signature]  
 Welder (Name & Sign): Katy K. MABU [Signature]



FEDOLI  
 OPERATOR: LAWRENCE [Signature]



CARBODYSHELL M2 ASSEMBLY DTR31374497/3

Rev.

28

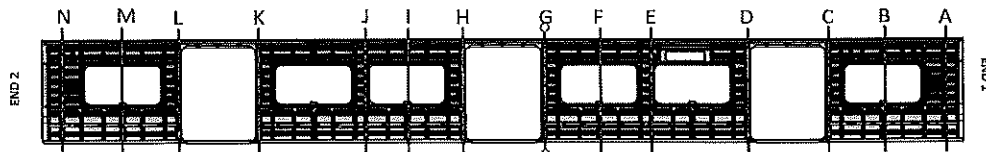
Date

07/11/2023

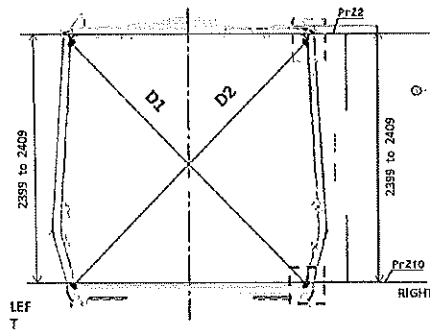
Project: PRASA

SI.CB1210.247.V28

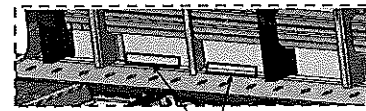
### Specifications of Details for CBS measurement



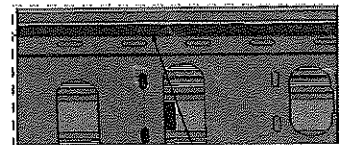
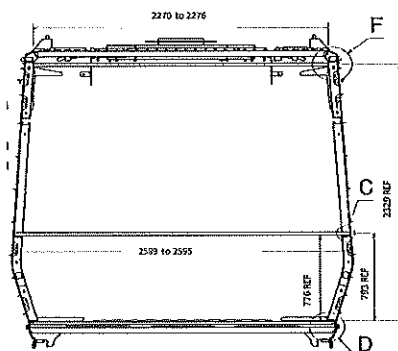
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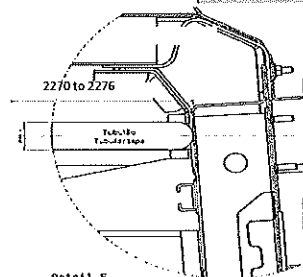
Measurement positions on roof rail and sidewall omega corner.



Measurement positions on sidewall and side sill corner.




Reinforcement area measurement positions on roof reinforcement area.

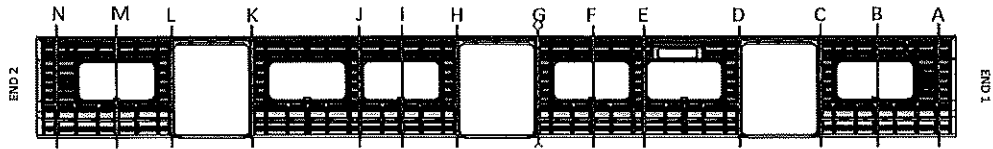


Detail F

Don't considering the reinforcement

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


AFTER WELDING



Note: The difference in Height values measured on the LHS and RHS should be ≤2MM on each point.

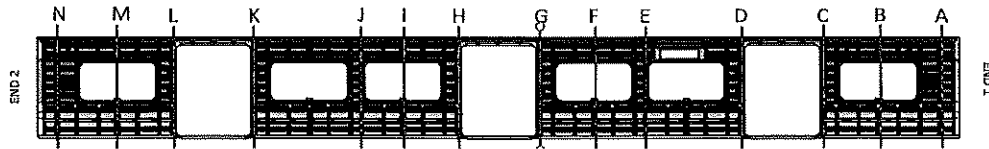
	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2399 to 2409 (LHS)	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3296	3296	0	2406	2406	0
B	3267	3265	2	2405	2405	0
C	3298	3298	0	2406	2406	0
D	3297	3297	0	2406	2405	1
E	3271	3270	1	2408	2407	1
F	3269	3270	1	2406	2406	0
G	3296	3296	0	2407	2406	1
H	3298	3298	0	2406	2405	1
I	3269	3270	1	2407	2405	2
J	3271	3270	1	2406	2406	0
K	3295	3295	0	2407	2407	0
L	3296	3298	0	2406	2406	0
M	3267	3265	2	2405	2406	1
N	3297	3297	0	2406	2405	1

BBB  
08.05.24

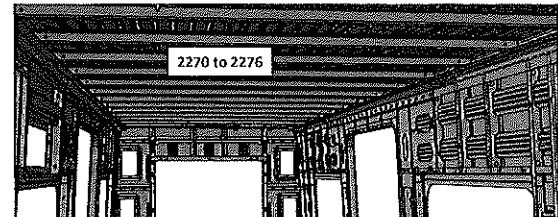
	CARBODYSHELL M2 ASSEMBLY DTR31374497/3	Rev. 28	Project: PRASA SI.CB1210.247.V28
		Date 07/11/2023	

CBS measurement

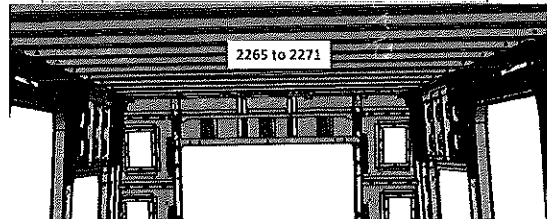
AFTER WELDING



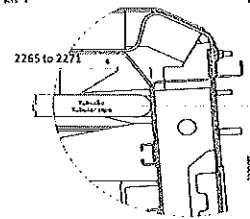
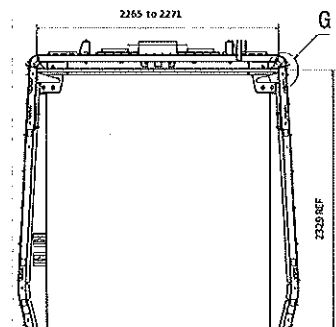
	2265 to 2271	2270 to 2276
A	22686	N/A
B	N/A	2272
C	2270	N/A
D	2269	N/A
E	N/A	2278
F	N/A	2273
G	2268	N/A
H	2267	N/A
I	N/A	2274
J	N/A	2276
K	2267	N/A
L	2268	N/A
M	N/A	2272
N	2266	N/A



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

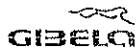


Take measurement close to radius ( considering reinforcement)



Detail G  
Cross section of reinforcement plate

08.05.24

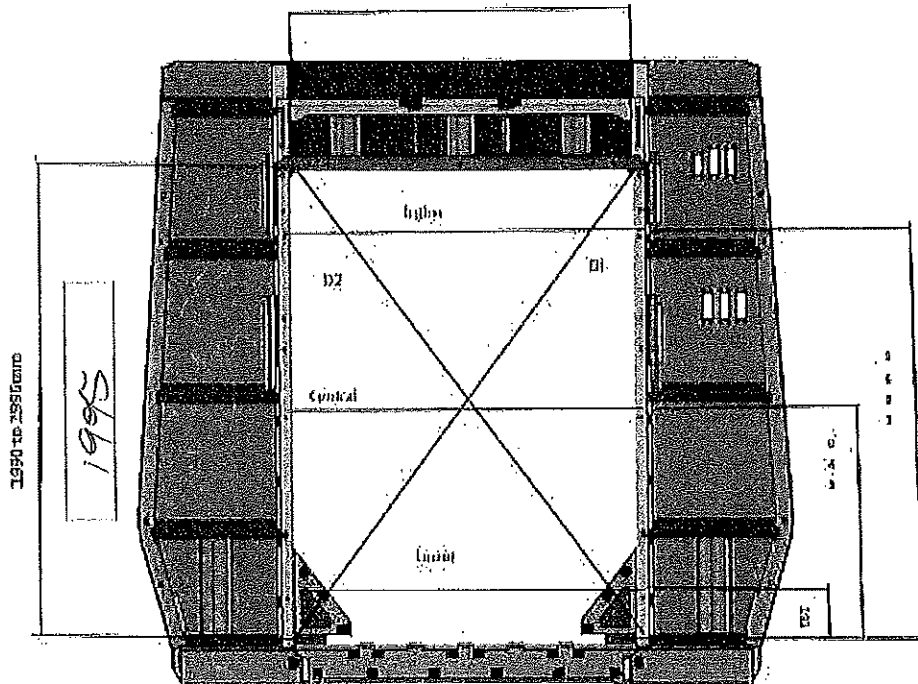


CARRODYSHELL M2 ASSEMBLY DTR31374497/3

Rev.  
28  
Date  
07/11/2023

Project: PRASA  
SI.CB1210.247.V28

End frame 2



1380 to 1382 mm

DIAGONAL DIFFERENCE D1-D2 ≤ 3mm

High-Dimension

1380

D1

2416

Central-Dimension

1381

D2

2415

Low-Dimension


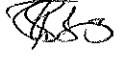

1381

D1-D2


1

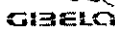

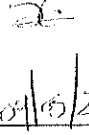
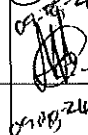
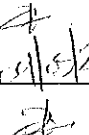
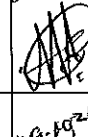
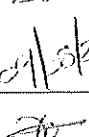


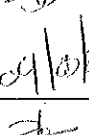
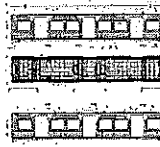

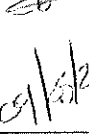
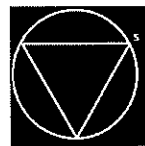
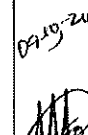

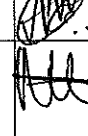
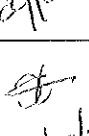
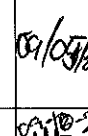
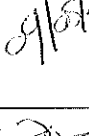
08


08.05.24

		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!)	18.05.24	Tumelo	Operations	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	06/05/24	Mdano	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			

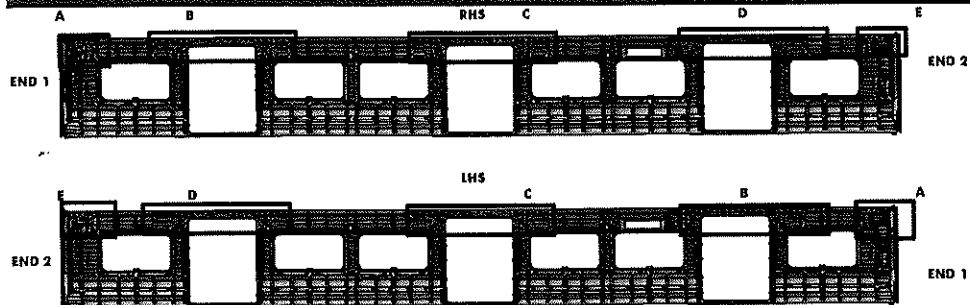


GIBELA		PRASA PROJECT										
												
APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1 <b>SELF INSPECTION SHEET</b>												
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APPLICATION REFERENCE												
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY?	
				YES	NA	NO	NA	NO	NA			
<input type="checkbox"/>	OTR000152665	AAD001413329	CARBODYSHELL M2 ASSEMBLY	CB1226				X			PRA.CB1220.DTR31374497 /2.V21	YES
<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 CB12110		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 DT0000336600		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						
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				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	Mkhombi collins	17/08/2021						
				CHECKER	Mpho Mulaudzi							
				REVISED BY	Mpho Mulaudzi							
25	20/02/2022	New Baseline change 10.3.1		APPROVER	Mkhombi collins	20/02/2022						
				CHECKER	Andani Muthelo							
				REVISED BY	Andani Muthelo							
26	14/06/2022	Update Minimum temperature requirement for sealant application		APPROVER	Mkhombi collins	14/06/2022						
				CHECKER	Andani Muthelo							
				REVISED BY	Andani Muthelo							
27	19/10/2022	Addition of traceability for sealant application and welding.		APPROVER	Mkhombi 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 & ALP'S NO	DATE	SELF INSPECTION NUMBER	PAGES							
TS 226	MD2	ASA-IDA - 909M	09-05-24	SI.CB1220.276.V29	15							

	<b>CARBODYSHELL M2 ASSEMBLY DTR31374497/2</b>	Rev. 29	<b>Project: PRASA</b>  <b>SI.CB1220.276.V29</b>		
		Date 26/10/2023			
<b>II - Self Inspection - Items to Check</b>					
<b>II.1 - Items to check</b>					
Item	Picture/Drawing	Description	Acceptance Criteria / Record	Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Assembly according to Instruction Engineering n° PRA.CB1220. DTR31374497/2 Verification of filament for all reinforcement brackets.	PRA.CB1220. DTR31374497/2	 09/05/24	 09/05/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DT00000210675	 09/05/24	 09/05/24
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	 09/05/24	 09/05/24
04		Cleaning of all Stainless Steel Surface	According to GIB-WEL - PROC-0002	 09/05/24	 09/05/24
05		Functional dimensions approved according drawing or complementary document approved by Abtom engineering and registered in this document.	Approved according specified on pages below.	 09/05/24	 09/05/24
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 DT00000210658.	As the welding procedure IND-SAL-WMS-016 and DT00000210658.	 09/05/24	 09/05/24
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="border: 1px solid black; padding: 5px; width: fit-content;"> <b>Specified:</b>            Temperature Min - Max (°C)    Min/Max    10°C - 35°C            Relative Humidity Min - Max (%)    Min/Max    25% - 60%         </div>	Sealant Batch No: <u>2080058</u> Exp Date: <u>06/24</u>  <b>Actuals</b> Temperature: <u>17</u> Humidity: <u>41</u>	 09/05/24	 09/05/24
08	NA	Verification of sealant application in certain regions in the drawing.	AAD0001413319	 09/05/24	 09/05/24


	CARBODYSHELL M2 ASSEMBLY QTR31374497/2	Rev.	Project: PRASA
		29	
		Date	SI.CB1220.276.V29
		28/10/2023	

**II - Self Inspection - Items to Check**

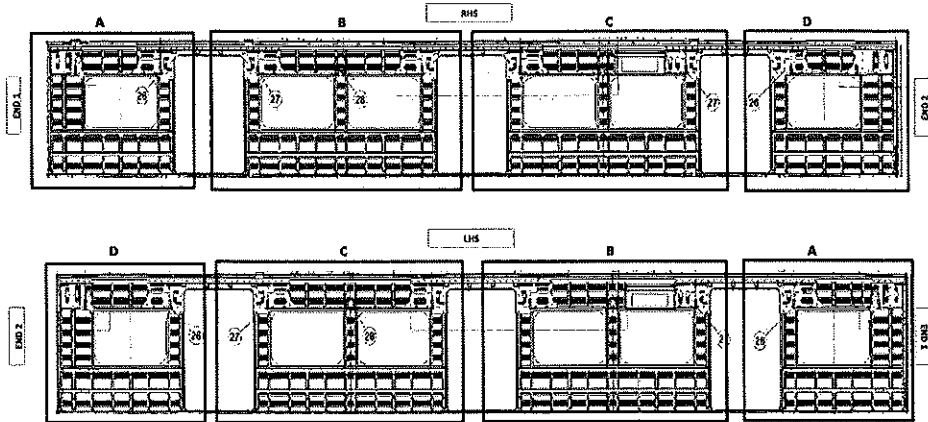


**REINFORCEMENT WELDING**

AREA	LHS	RHS
A	Operator (Name&sign): <u>LINDO [Signature]</u>	<u>Tolly [Signature]</u>
B	Operator (Name&sign): <u>LINDO [Signature]</u>	<u>Tolly [Signature]</u>
C	Operator (Name&sign): <u>LINDO [Signature]</u>	<u>Tolly [Signature]</u>
D	Operator (Name&sign): <u>[Signature]</u>	<u>Munir Syarif Mba</u>
E	Operator (Name&sign): <u>[Signature]</u>	<u>Munir Syarif Mba</u>

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

M2 BRACKET INSTALLATION



QUANTITIES (M2)

RHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	8	✓	
	B	8	✓	
	C	9	✓	
	D	2	✓	
SEAT BRACKETS	A	13	✓	
	B	21	✓	
	C	21	✓	
	D	13	✓	
EARTH BUSH	A	2	✓	
	B	4	✓	
	C	5	✓	
	D	3	✓	

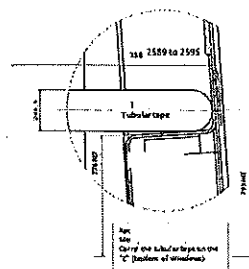
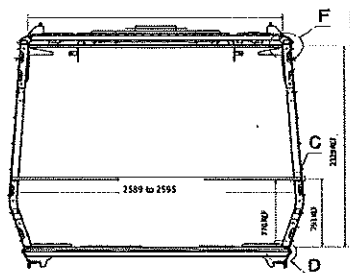
ROOF ENDS:  
 C-RAILS 2 OFF EACH END  
 EARTH BUSH 6 OFF EACH END

VERIFICATION BY: *ASA-IDA*

LHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	8	✓	
	B	11	✓	
	C	11	✓	
	D	12	✓	
SEAT BRACKETS	A	12	✓	
	B	21	✓	
	C	21	✓	
	D	13	✓	
EARTH BUSH	A	3	✓	
	B	6	✓	
	C	6	✓	
	D	2	✓	

ROOF ENDS:  
 C-RAILS 2 OFF EACH END  
 EARTH BUSH 6 OFF EACH END

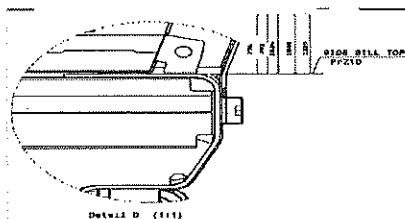
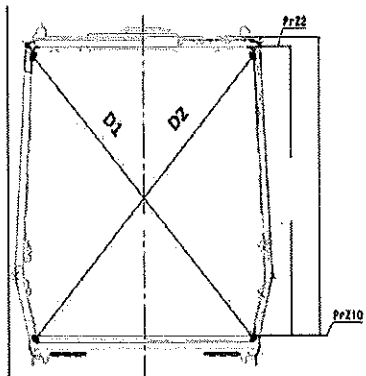
VERIFICATION BY: *ASA-IDA*




Detail C



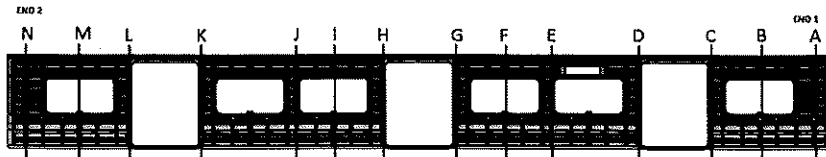
Take measurement close to radius



Detwail D (111)


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

**CBS measurement**

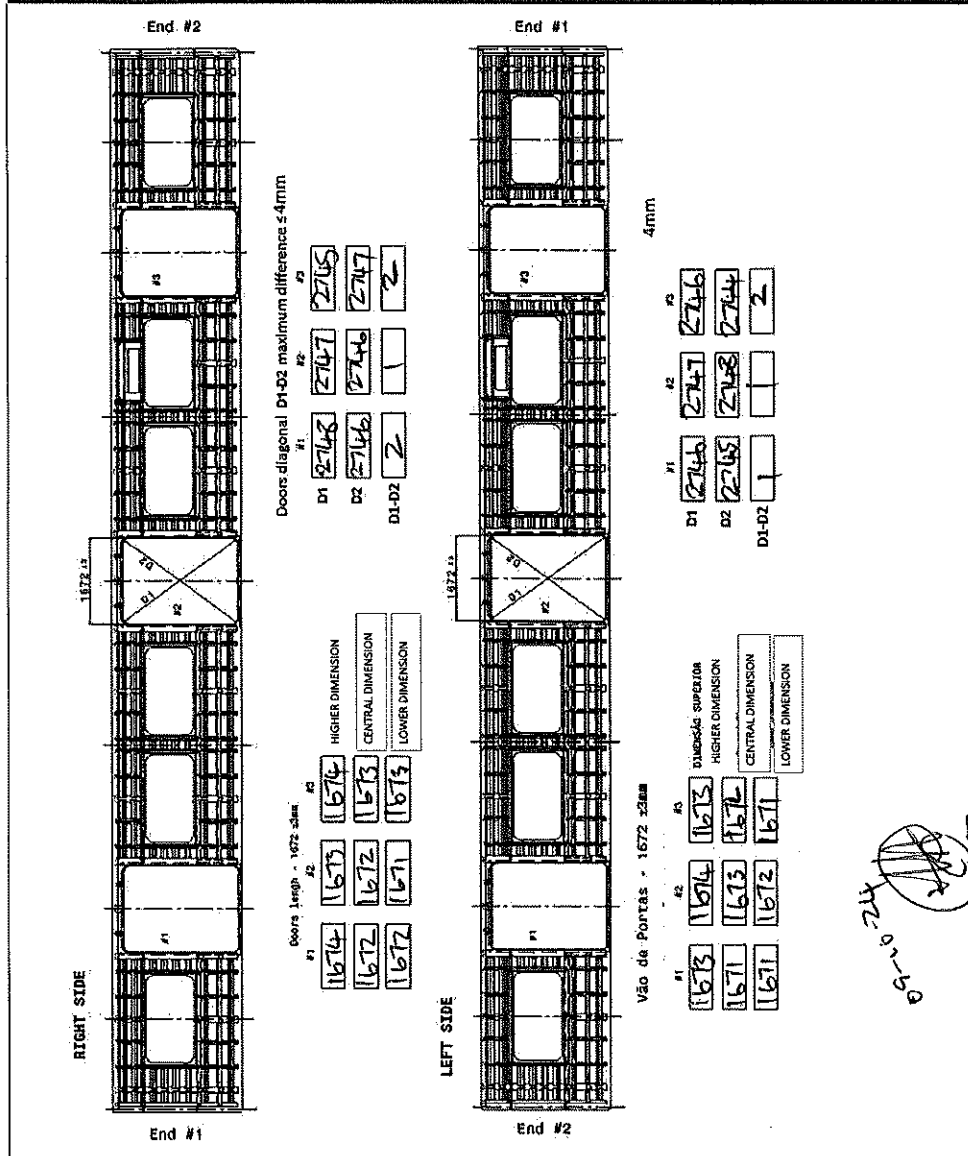




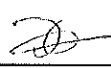
**AFTER WELDING**

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3301	3298	3	2595
B	3265	3264	1	2589
C	3301	3294	5	2589
D	3299	3297	2	2591
E	3265	3264	1	2594
F	3261	3266	5	2591
G	3304	3297	7	2594
H	3300	3297	3	2592
I	3260	3267	7	2592
J	3268	3263	5	2593
K	3298	3295	3	2590
L	3295	3294	1	2589
M	3261	3266	5	2589
N	3298	3291	7	2591

  
09-05-2024

Specifications of Details for CBS measurement CB1220



	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	(If activities are not complete, the missing activities must not impact the next stage)	09/10/24	ASAZION	
	Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party	09/10/24	Industrial Quality	
	There are activities pending that impact/stop the activities of the next process Olas: (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		




APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

## SELF INSPECTION SHEET

## CONFIDENTIAL INFORMATION

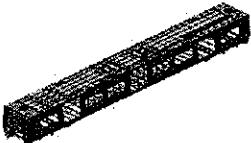
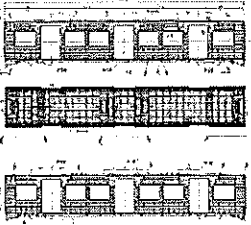
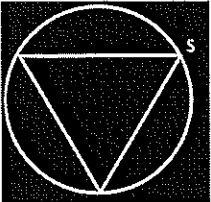
This document and the information contemplated therein have to be considered as Confidential Information pursuant to the provisions of Clause 25 of the MSA, and treated as such.

## APPLICATION REFERENCE

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ? 	
				TC1	MA	ML	M2	MR	TC2			
<input type="checkbox"/>	DTRJ000152710	AMD0001413929	CARBODYSHELL M2 ASSEMBLY	CB1230				<input checked="" type="checkbox"/>			PRA.CB1230.AA000013 74497.V20	YES
<input type="checkbox"/>												
<input type="checkbox"/>												
<input type="checkbox"/>												
<input type="checkbox"/>												
RL	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							
			COMPILED	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							
5	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	23/08/2019							
			CHECKER	Nosizo Pindela	23/08/2019							
			REVISED BY	Nosizo Pindela	23/08/2019							
15	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 Mkhombhi	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 Mkhombhi	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 Mkhombhi	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 Mkhombhi	17/10/2022							
			CHECKER	Ntokozo Zwane	17/10/2022							
			REVISED BY	Amogelang Mohlampe	17/10/2022							
29	14/04/2023	Added sealant batch number & welding consumables traceability	APPROVER	Vanessa Ntuli	14/04/2023							
			CHECKER	Ntokozo Zwane	14/04/2023							
			REVISED BY	Amogelang Mohlampe	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	Ntokozo Zwane	06/11/2023							
TRAINSET	CAR	OPERATOR NAME & ALPS NO	DATE	SELF INSPECTION NUMBER	PAGES							
226	M02	mmathapelo 483004	13/08/2024	SI.CB1230.277.V29	11							

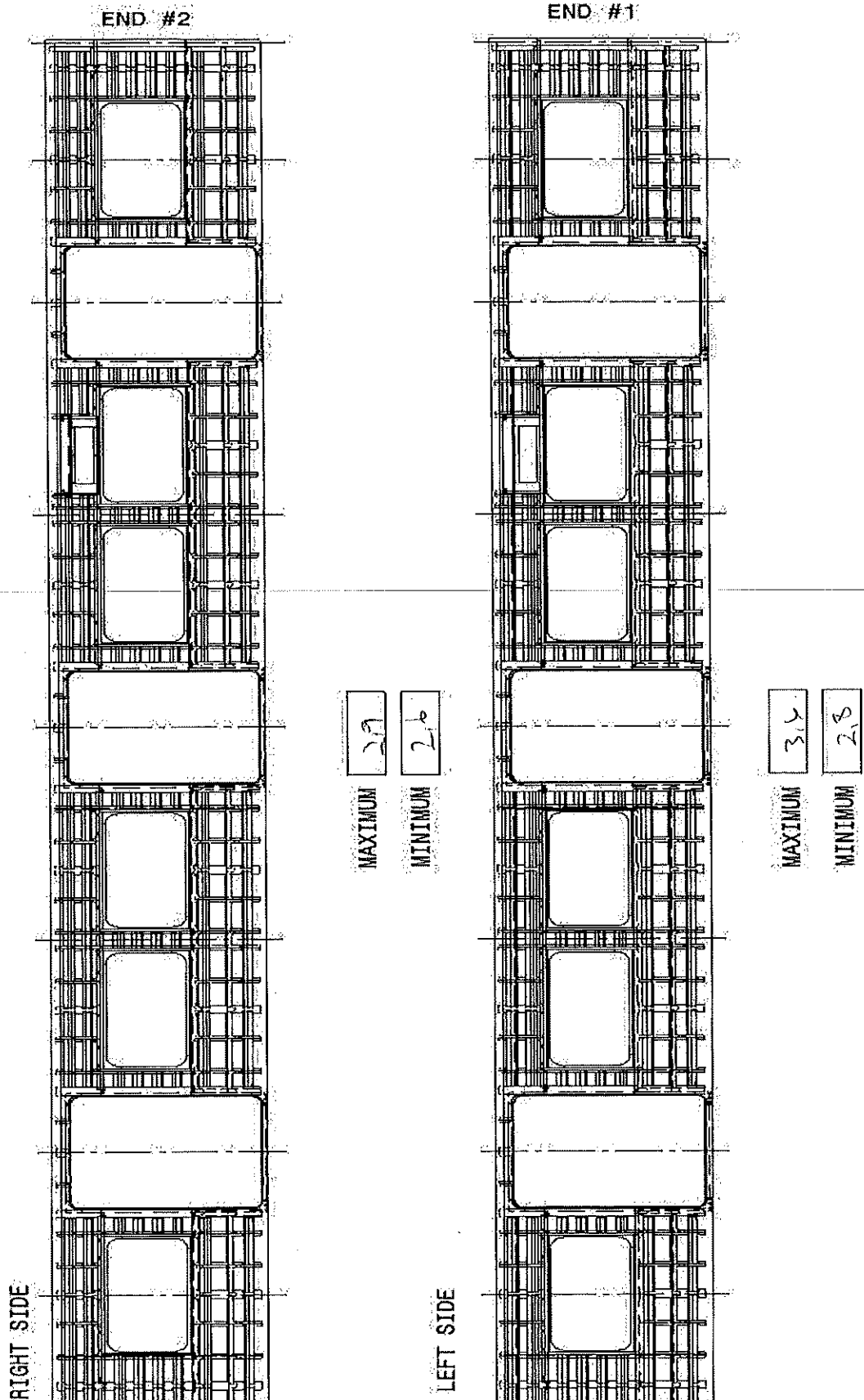
## II - Self Inspection - Items to Check

### II.1 - Items to check

Item	Picture/Drawing	Description	Acceptance criteria / Record	OK	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	✓	Wubda 13/05/24	Wubda 13/05/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓	Wubda 13/05/24	Wubda 13/05/24
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓	Wubda 13/05/24	Wubda 13/05/24
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓	Wubda 13/05/24	Wubda 13/05/24
05		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓	Wubda 13/05/24	Wubda 13/05/24
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.	✓	Wubda 13/05/24	Wubda 13/05/24
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 Specified:  Temperature Min - Max (1) Min-Max 10°C - 35°C Relative humidity Min - Max (1) Min-Max 25% - 60%	Sealant Batch No: 11 2240 Exp Date: 04 / 05 / 24  Actuals Temperature: 16.6 Humidity: 65%	✓	Wubda 13/05/24	Wubda 13/05/24
08	N/A	Verification of sealant application in regions of roof and sideframe.	Sealant applied in regions of roof and sideframe.	✓	Wubda 13/05/24	Wubda 13/05/24

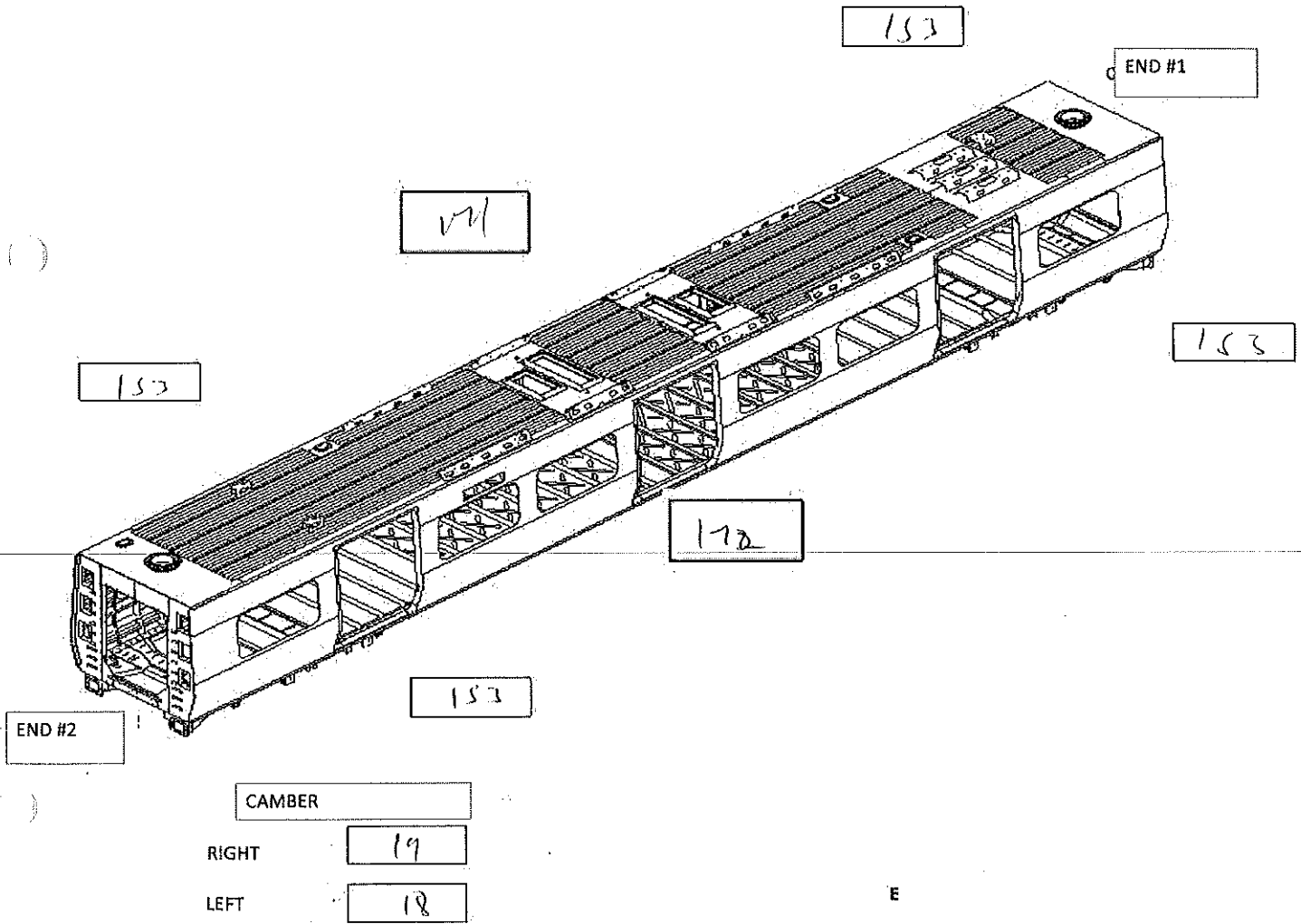
## Specifications of Details for CBS measurement CB1230

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.

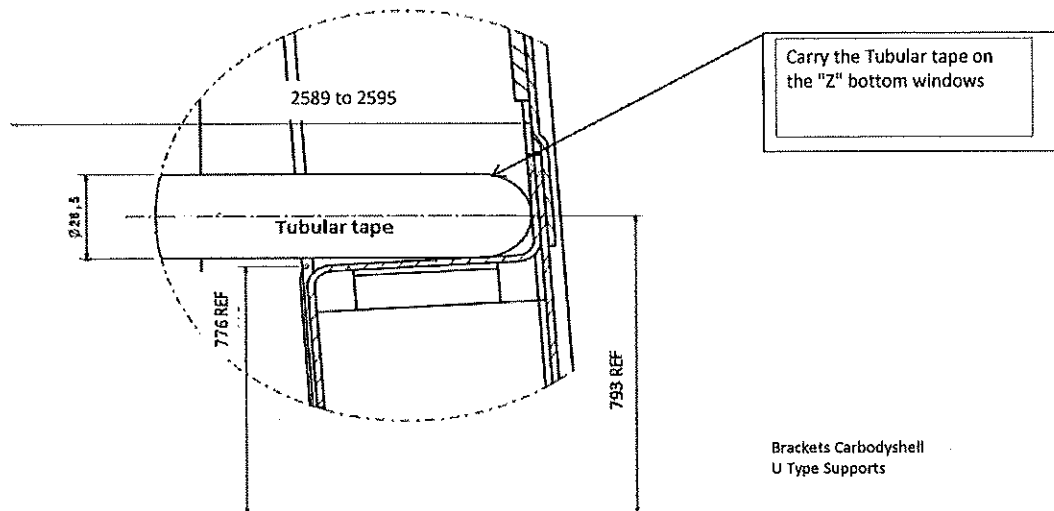


**Specifications of Details for CBS measurement CB1230**

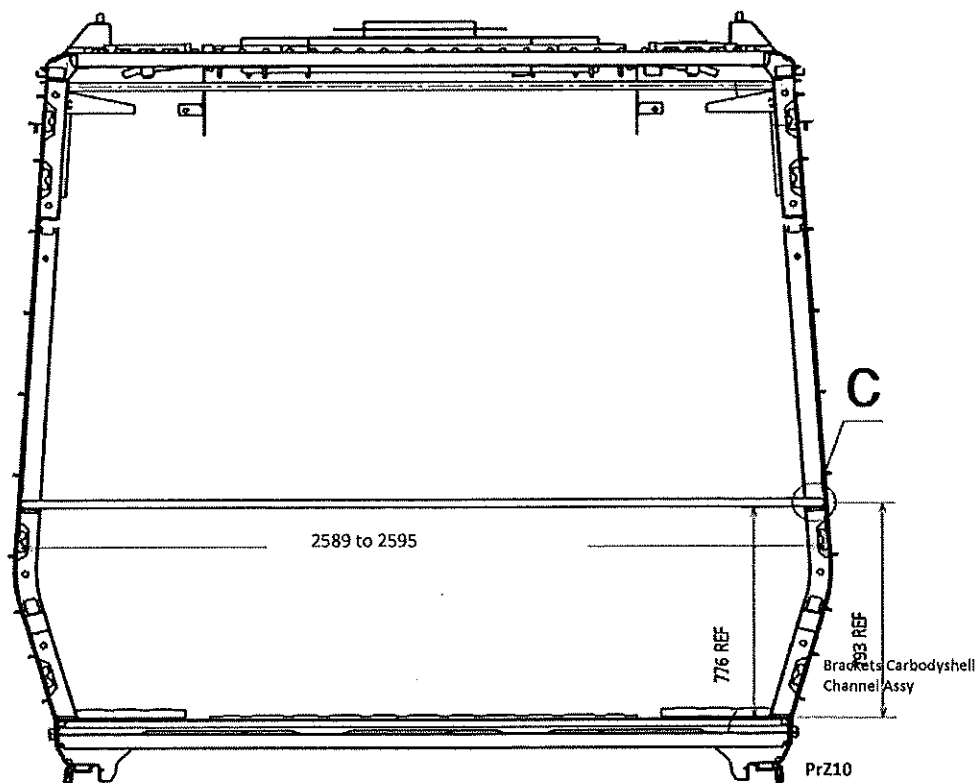
Specified Camber for car out of jig is 18mm(-0mm + 2mm)



Specifications of Details for CBS measurement CB1230



Detail C





CARBODYSHELL M2 ASSEMBLY AA00001374497

Rev.  
30

Date

06/11/2023

Project: PRASA

SI.CB1230.277.V29



CARBODYSHELL M2 ASSEMBLY AA00001374497

Rev.  
30  
Date  
06/11/2023

Project: PRASA

SI.CB1230.277.V29

## 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	Signature/Date (Operations)	Signature/Date (Quality)
01	N/A	To complete REX	Refer to REX. New defects must be added on the REX			