

GIBELA

PRASA PROJECT

APPLICABLE FROM TRAINSET 100+ 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"/>	DTR3000152640	AAD0001278566	CARBODYSHELL M1 ASSEMBLY	CB2210			X			PRA.CB2210.DTR30225 487/3,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 CB2210	APPROVER	Itumeleng Modiba	2018/12/12
			CHECKER	Nosizo Pindela	2018/12/12
			REVISED BY	Ramokone Motama	2018/12/12
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 Masiha	
			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	19/02/2022	New Baseline change 10.3.1	APPROVER	Mbhombi collins	19/02/2022
			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 welding traceability	APPROVER	Ngobeni Tyson	07/11/2023
			CHECKER	Andani Muthelo	
			REVISED BY	Ntokozo Zwane	

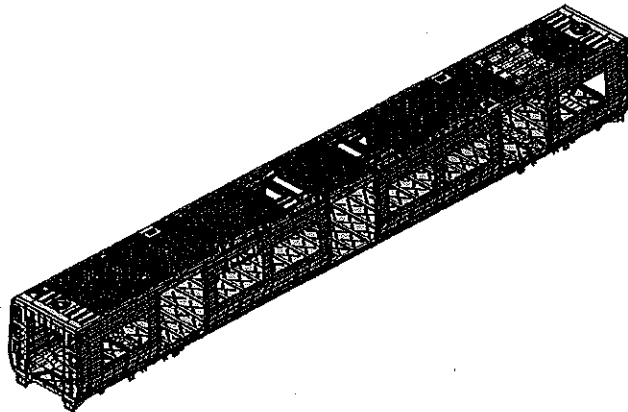
TRAINSET	CAR	OPERATOR NAME & ALPS NO	DATE	SELF INSPECTION NUMBER	PAGES
234	m1	Tebogo 482833	19/06/24	SI.CB2210.254.V28	17

	CARBODYSHELL M1 ASSEMBLY DTR30225487/3	Rev. 28	Project: PRASA SI.CB2210.254.V28
		Date 07/11/2023	

Car: M1	NCR:	Work station: CB2210
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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)
	D	M	E	N	C						
DTR30225487/3	X										

I.2 - Instruments Control


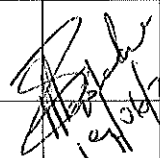

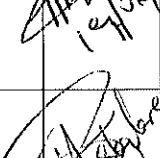
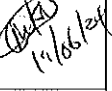
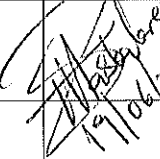
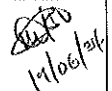
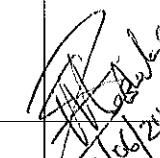
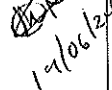

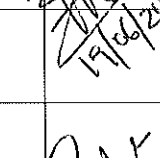
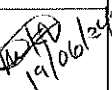
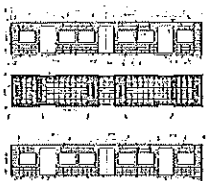
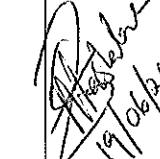

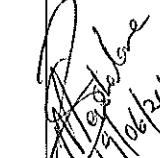
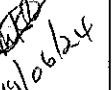
Monitoring and Measuring Instrument Control - Used for Special Process

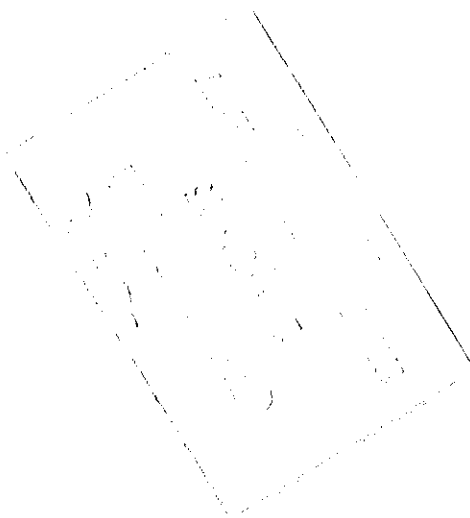
Instruments	Serial number	Calibration or Verification Validation Date	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
Tubular	32823-2	15/03/28	✓			
3mm tape	C113TP0102	15/11/24	✓			
Laser tape	123425924	08/01/28	✓			


1.3 Consumables

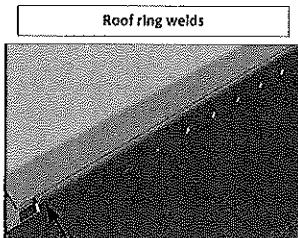
Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
ER 308LSi	314018-74097	Mig	✓			
ER 308L	299687-70322	Tig	✓			

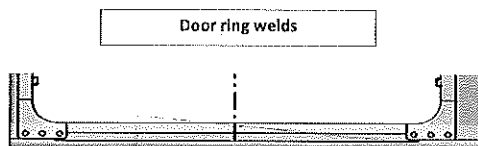
		CARBODYSHELL M1 ASSEMBLY DTR30226487/3		Rev. 28 Date 07/11/2023	Project: PRASA SI.CB2210.254.V28			
III - Self Inspection - Items to Check								
II.1 - Items to check								
Item	Picture/Drawing	Description	Acceptance criteria / Record	OK			Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Verification of correct parts loaded (Sidewalls, Endframes, Roof and Underframe)	DT00000311225	✓			 19/06/24	 19/06/24
02	N/A	Corshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓			 19/06/24	 19/06/24
03	REFER TO ANNEXURE A	Spot welding inspected and approved according to procedure	IND-SAL-WMS-016 e DTD0000210675	✓			 19/06/24	 19/06/24
04	REFER TO ANNEXURE B	Arc welding inspected and approved according to procedure	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓			 19/06/24	 19/06/24
05		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓			 19/06/24	 19/06/24
06		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document	Approved according specified on pages below.	✓			 19/06/24	 19/06/24
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.	✓			 19/06/24	 19/06/24



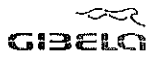
	CARBODYSHELL M1 ASSEMBLY DTR30226487/3	Rev. 28	Project: PRASA SI.CB2210.254.V28
		Date 07/11/2023	
Welder Traceability			



Boiler maker (Name & Sign): <u>Tim Ender</u> ^{LHS}	Welder (Name & Sign): <u>Therberg</u>
Boiler maker (Name & Sign): <u>Tim Ender</u> ^{RHS}	Welder (Name & Sign): <u>Therberg</u>



Boiler maker (Name & Sign): <u>Tim Ender</u> ^{LHS}	Boiler maker (Name & Sign): <u>LW/1A</u> ^{RHS}
Welder (Name & Sign): <u>KEITH K. Mearns</u>	Welder (Name & Sign): <u>ROBERT TB</u>



CARBODYSHELL M1 ASSEMBLY DTR30225487/3

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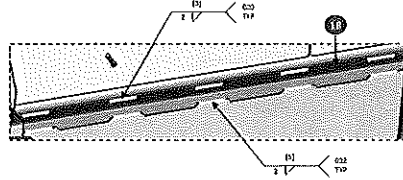
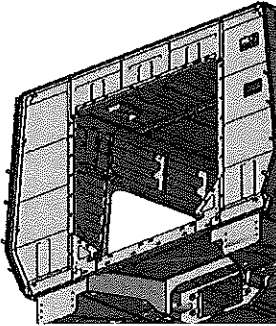
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EUF Reinforcement Plates

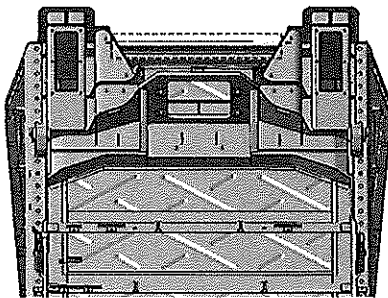


END 1

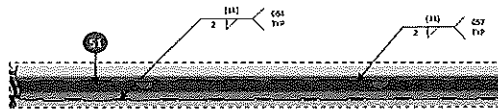
Boiler maker (Name & Sign): Luigi P. Innocenti

Welder (Name & Sign): Roberto M. Delgado

END 2



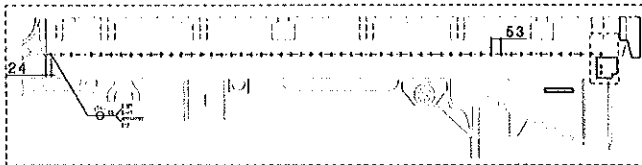
Underneath the CAR



END 2

Boiler maker (Name & Sign): Giovanni

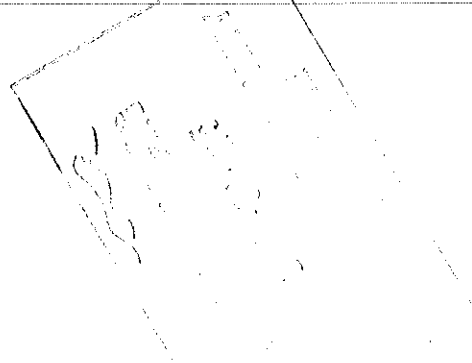
Welder (Name & Sign): Kenny K. M. Delgado




FEDOLI

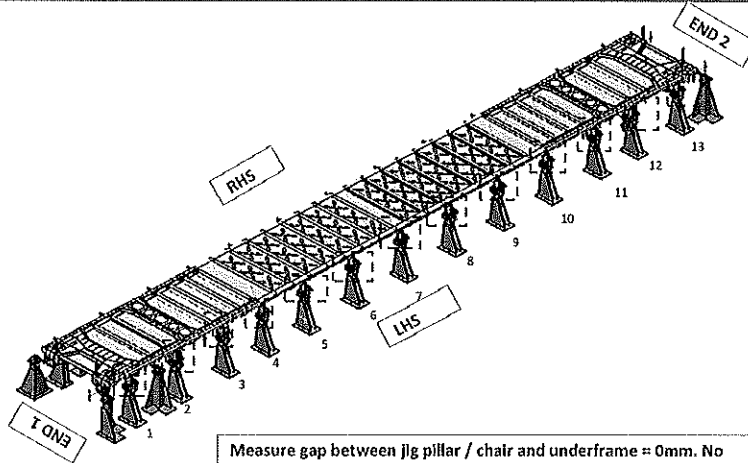
Operator:

Luigi P. Innocenti



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		Date 07/11/2023	

Specifications of Details for CBS measurement



After loading and clamping

Fill in the gap found on 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													
Right Hand Side													

Signature Operations:

Date: 19/06/24

After Welding.

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

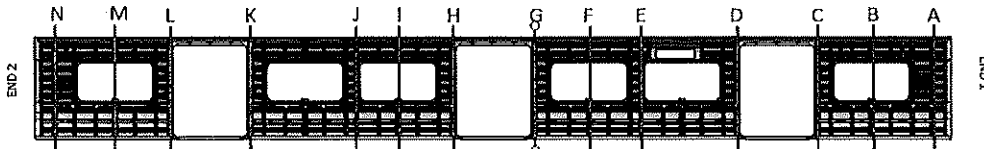
	1	2	3	4	5	6	7	8	9	10	11	12	13
Left Hand Side													
Right Hand Side													

Signature Industrial Quality:

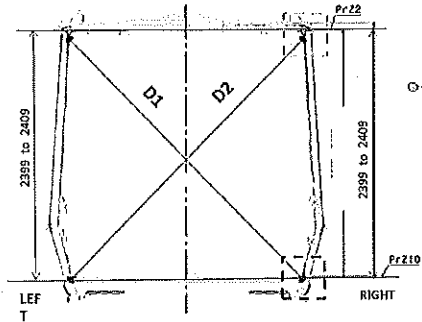
Date: 19/06/24



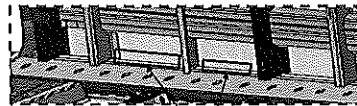
Specifications of Details for CBS measurement



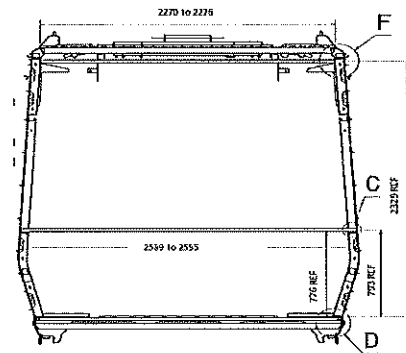
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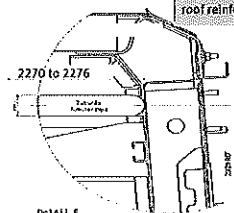
Measurement positions on roof rail and sidewall omega corner.



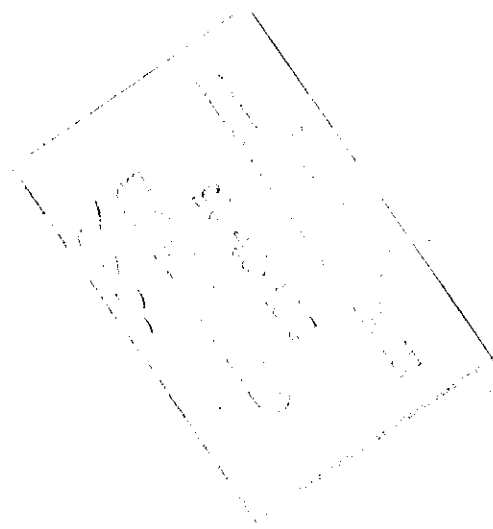
Measurement positions on sidewall and side sill corner.



Reinforcement area measurement positions on roof reinforcement area.



Detail F
Don't stop measuring the reinforcement





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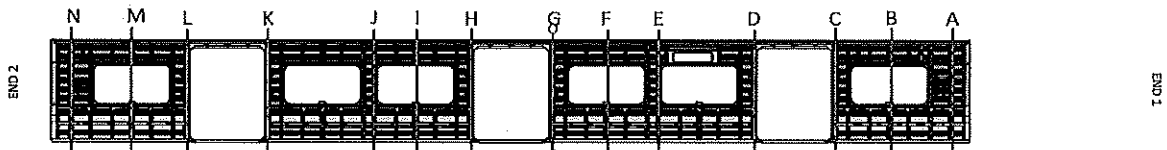
Date

07/11/2023

Project: PRASA

SI.CB2210.254.V28

Specifications of Details for CBS measurement

PME Column LHS - RHS should be
≤ 2MM on each point.

BEFORE WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2399 to 2409	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3266	3265	1	2405	2406	1
B	3265	3264	2	2406	2405	1
C	3265	3264	1	2406	2404	2
D	3266	3264	2	2403	2405	2
E	3267	3265	2	2404	2405	1
F	3265	3265	0	2404	2404	0
G	3264	3265	1	2406	2406	0
H	3263	3265	2	2406	2405	1
I	3265	3264	1	2407	2406	1
J	3266	3267	1	2405	2406	1
K	3265	3266	1	2405	2405	0
L	3265	3265	0	2406	2405	1
M	3264	3266	2	2404	2406	2
N	3267	3266	1	2407	2408	1

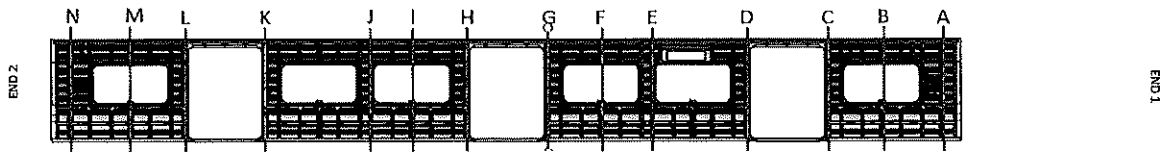


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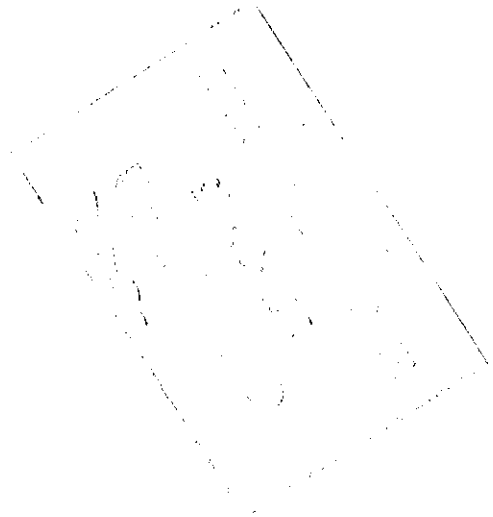
Specifications of Details for CBS measurement




PME Column LHS - RHS should be $\leq 2\text{MM}$ on each point.

AFTER WELDING

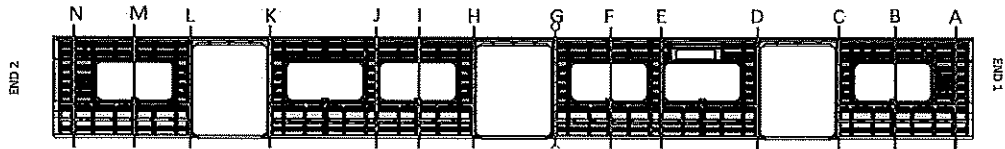
	Record D1 values	Record D2 values	D1-D2 $\leq 5\text{mm}$	2399 to 2409	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3296	3295	1	2404	2405	1
B	3266	3265	1	2405	2405	0
C	3285	3286	1	2406	2405	1
D	3294	3296	2	2404	2403	1
E	3266	3266	0	2405	2404	1
F	3265	3265	0	2404	2403	1
G	3293	3295	2	2409	2404	0
H	3294	3285	1	2406	2404	2
I	3265	3264	1	2404	2405	1
J	3266	3265	1	2406	2405	1
K	3295	3297	2	2404	2404	0
L	3296	3297	1	2404	2406	2
M	3264	3266	2	2405	2407	2
N	3298	3297	1	2404	2407	3



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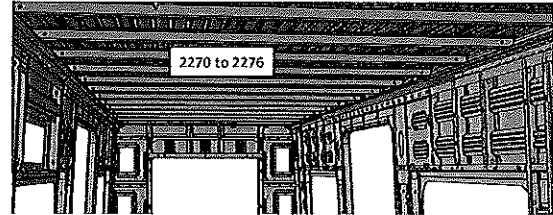
CBS measurement

BEFORE WELDING

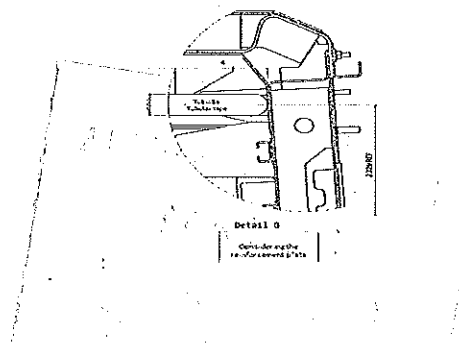
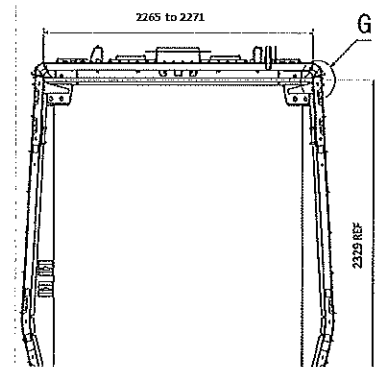



	2270 to 2276
A	2271
B	2274
C	2270
D	2271
E	2276
F	2275
G	2270
H	2273
I	2275
J	2276
K	2272
L	2270
M	2274
N	2271

1990 to

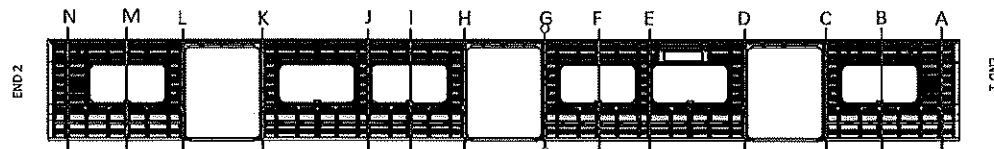


Do not consider reinforcement (Take measurements top area of zee profile

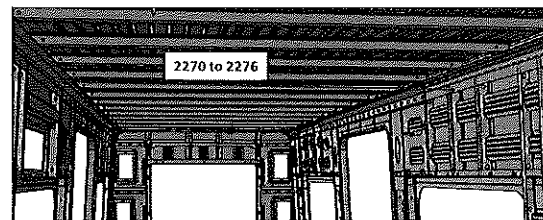


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CBS measurement			

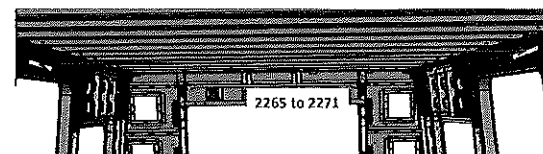
AFTER WELDING



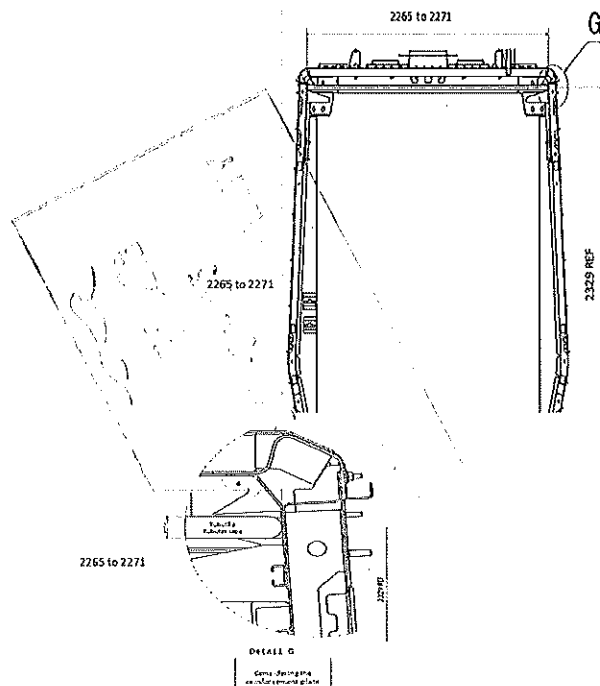
	2265 to 2271	2270 to 2276
A	2271	N/A
B	N/A	2274
C	2269	N/A
D	2270	N/A
E	N/A	2276
F	N/A	2275
G	2267	N/A
H	2268	N/A
I	N/A	2274
J	N/A	2276
K	2269	N/A
L	2271	N/A
M	N/A	2274
N	2268	N/A



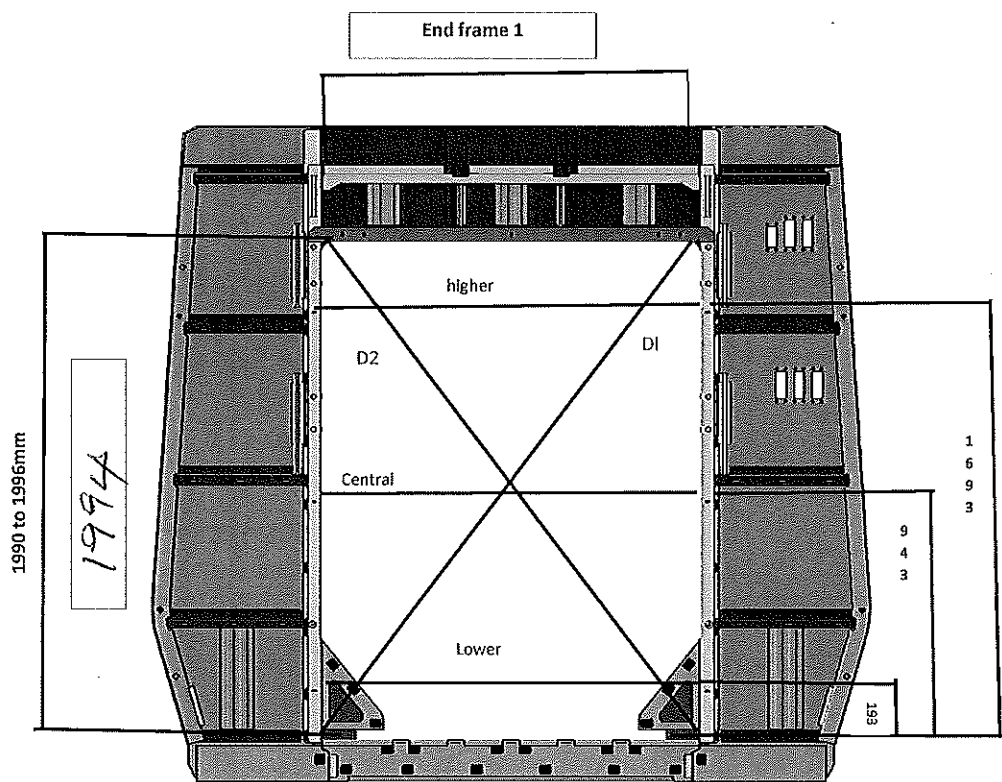
Do not consider reinforcement (Take measurements top area of zee profile



Take measurement close to radius (considering reinforcement)



Specifications of Details for CBS measurement



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

Higher Dimension

1381

D1

2414

Central Dimension

1381

D2

2413

Lower Dimension

1381

D1-D2

1



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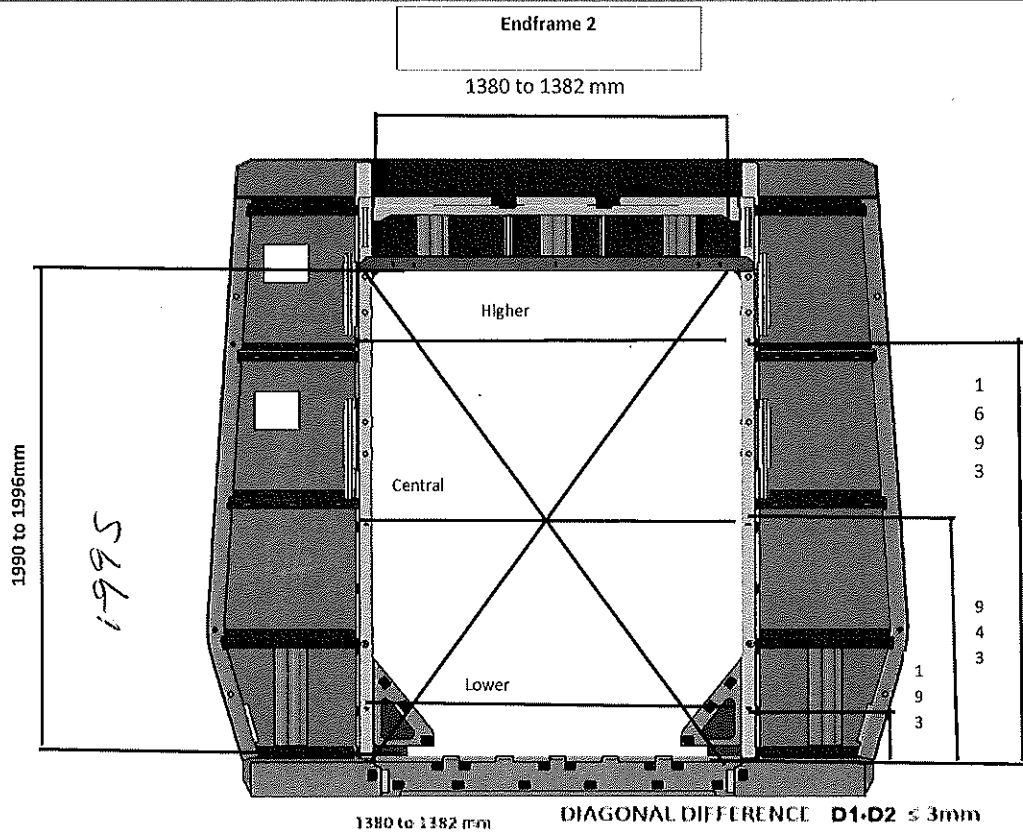
Date

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Specifications of Details for CBS measurement



Higher Dimension

1381

D1

2416

Central Dimension

1381

D2

2414

Lower Dimension

1380

D1-D2

2

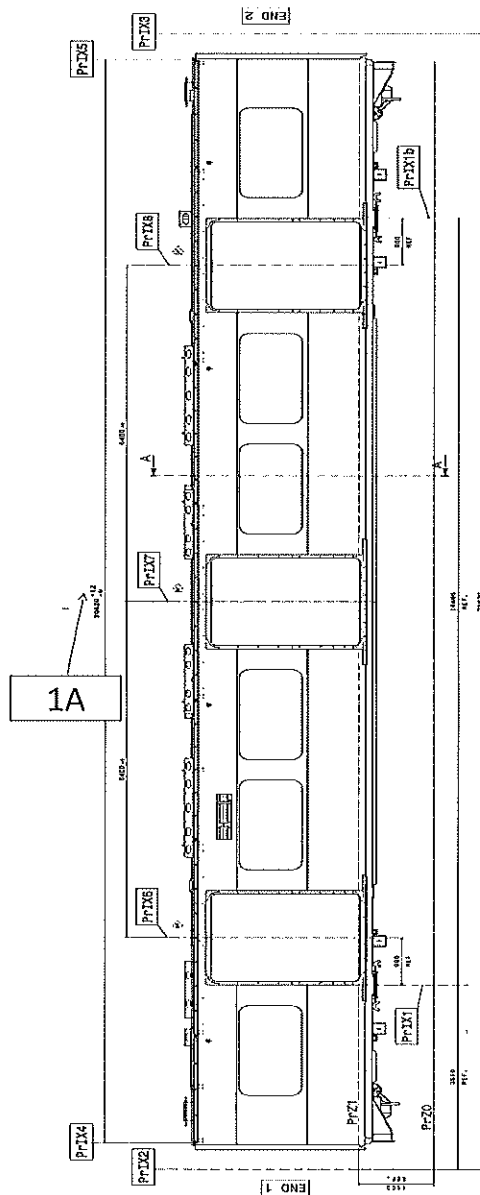


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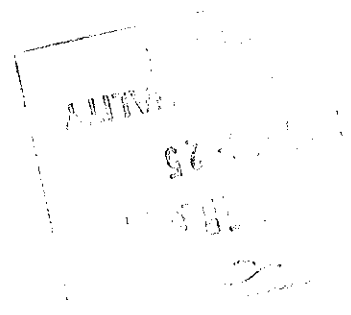
Project: PRA5A
SI.CB2210.254.V28

Specifications of Details for CBS measurement



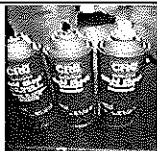
LEFT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	20632 - 20614	20629

RIGHT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	20632 - 20614	20629

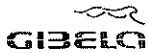


Dye penetrant test

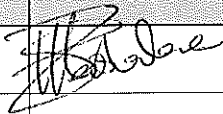

Dye-penetration test to be performed by quality personnel



[illegible]

	CARBODYSHELL M1 ASSEMBLY DTR30225487/3	Rev. 28	Project: PRASA SI.CB2210.254.V28
		Date 07/11/2023	

Self Inspection - Final Result

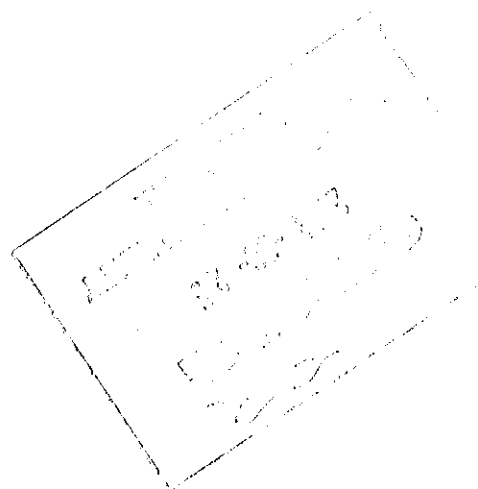
			DATE	NAME	SIGNATURE
HOLD POINT	GO	(If activities are not complete, the missing activities must not impact the next stage)	19/06/24	Lebrago	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	19/06/24	Richmury	
	NO GO	There are activities pendings 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








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 ?
				TEL	M4	M1	M2	M3	TC2		
<input type="checkbox"/>	DTR300151648	AND0001278566	CARBODYSHELL M1,M1,M4 ASSEMBLY	CB1220			X			PRA.CB2220.DTR3022548 7/2.V21	YES
<input type="checkbox"/>	DTR300151649	AND0001278566	CARBODYSHELL M3,M3,M4 ASSEMBLY	CB1220		X	X		X	PRA.CB2220.DTR3022548 7/2.V21	YES
<input type="checkbox"/>											
<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	Remokone 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	Remokone 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			
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		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			
21	17/08/2021	ADDED DIMENSIONS BEFORE WELDING			APPROVER	Mkhombi Collins		17/08/2021			
					CHECKER	Mpho Mulaudzi		17/08/2021			
					REVISED BY	Mpho Mulaudzi		17/08/2021			
25	20/02/2022	New Baseline change 10.3.1			APPROVER	Collins Mkhombhi		19/02/2022			
					CHECKER	Andani Muthelo		19/02/2022			
					REVISED BY	Andani Muthelo		19/02/2022			
26	14/05/2022	Update minimum temperature requirement for sealant application			APPROVER	Collins Mkhombhi		14/05/2022			
					CHECKER	Andani Muthelo		14/05/2022			
					REVISED BY	Andani Muthelo		14/05/2022			
27	19/10/2022	Addition of traceability for sealant application & welding			APPROVER	Collins Mkhombhi		19/10/2022			
					CHECKER	Ntokozo Zwane		19/10/2022			
					REVISED BY	Amogelang Mohlampe		19/10/2022			
28	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			
29	28/10/2023	Addition of bracket quantity			APPROVER	Ngebeni Tyson		28/10/2023			
					CHECKER	Ntokozo Zwane		28/10/2023			
					REVISED BY	Amogelang Mohlampe		28/10/2023			
TRAINSET	CAR	OPERATOR NAME & ALPS NO		DATE	SELF INSPECTION NUMBER		PAGES				
234	M1	Lewi 483008		20/06/24	SI.CB2220.250.V29		13				

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev. 29	Project: PRASA SI.CB2220.250.V29		
		Date 28/10/2023			
Car: M1,M3,M4		NCR:		Work station:	CB2220

Safety Related

I - Documentation and Instruments Control

1.1 - Documentation Control








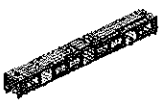


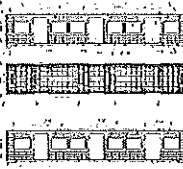












Document	Type of car						Revision	Observation	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)	
	T3	M1	M3	M4	M5	T3							
DTR30225487/2							29	28/10/2023	X		N/A	20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>


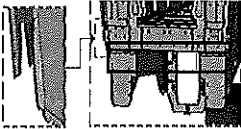

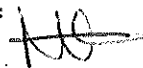
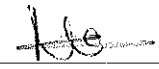
1.2 - Instruments Control


Monitoring and Measuring Instrument Control - Used for Special Process							
Instruments	Serial number	Calibration or Verification Validation Date		OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
Tubular	32823-3	14/03/2024 - 14/03/2025		X		20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>
Measuring Tape	31874013	17/04/2024 - 17/04/2025		X		20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>

1.3 Consumables

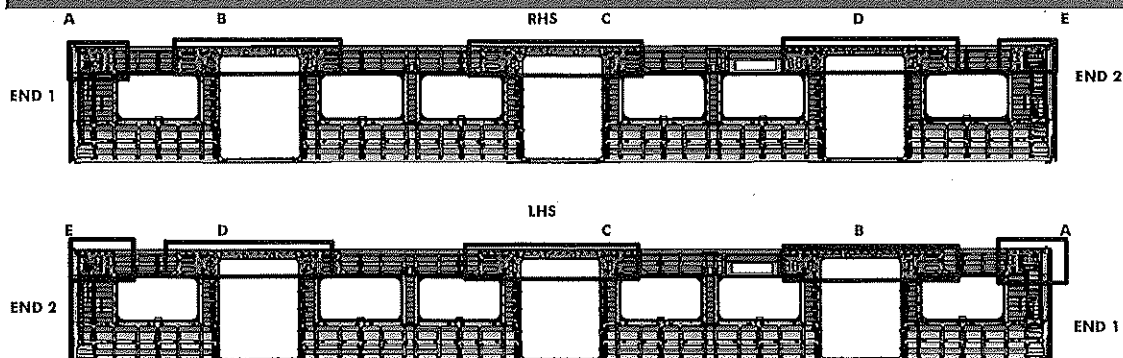
Welding Consumable Control - Used for Special Process							
Fiber Material	Heat Number	Welding Process		OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
Welding 308 LSI	B221880	Mig		X		20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev.	Project PRASA				
		29					
		Date	SI.CB2220.250.V29				
		28/10/2023					
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	Assembly according to Instruction Engineering n° PRA.CB2220.DTR30225487/2 Verification of fitment for all reinforcement brackets.	PRA.CB2220.DTR30225487/2	✓		20/06/2024 	20/06/24 
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓		20/06/2024 	20/06/24 
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓		20/06/2024 	20/06/24 
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓		20/06/2024 	20/06/24 
05		Functional dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓		20/06/2024 	20/06/24 
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.	✓		20/06/2024 	20/06/2024 
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 (I) Min-Max 10°C - 35°C Relative humidity Min - Max (I) Min-Max 25% - 80%	Sealant Batch No: 59321 Exp Date: 04/10/24 Actuals Temperature: 10 Humidity: 38	✓		20/06/24 	20/06/24 
08	NA	Verification of sealant application in certain regions in the drawing.	AAD0001278566	✓		20/06/24 	20/06/24 
09		Verification of safety welds	Approved according to DTD000210658 reference and Self inspection	✓		20/06/24 	20/06/24 

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev.	Project: PRASA
		29	
		Date	
		28/10/2023	SI.CB2220.250.V29
II - Self Inspection - Items to Check			
SEALANT APPLICATION			
		AREA 1 & 2 END 1	
		Operator (Name & sign): Mt hohozis 	
		Operator (Name & sign): Mt hohozis 	


	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30226487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date	
		28/10/2023	

II - Self Inspection - Items to Check

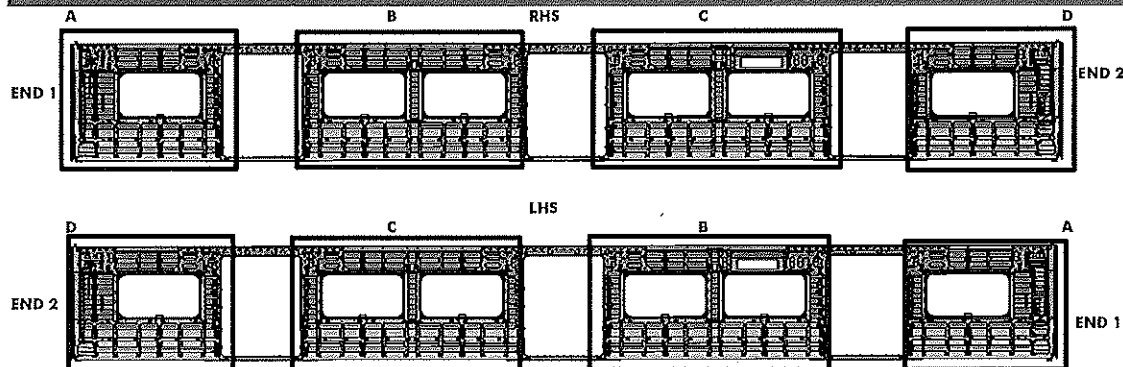


REINFORCEMENT WELDING

AREA	LHS	RHS
A	Operator (Name&sign): <u>S. MADON</u>	<u>S. MADON</u>
B	Operator (Name&sign): <u>[Signature]</u>	<u>S. MADON</u>
C	Operator (Name&sign): <u>[Signature]</u>	<u>[Signature]</u>
D	Operator (Name&sign): <u>[Signature]</u>	<u>[Signature]</u>
E	Operator (Name&sign): <u>[Signature]</u>	<u>S. MADON</u>


	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date	
		28/10/2023	

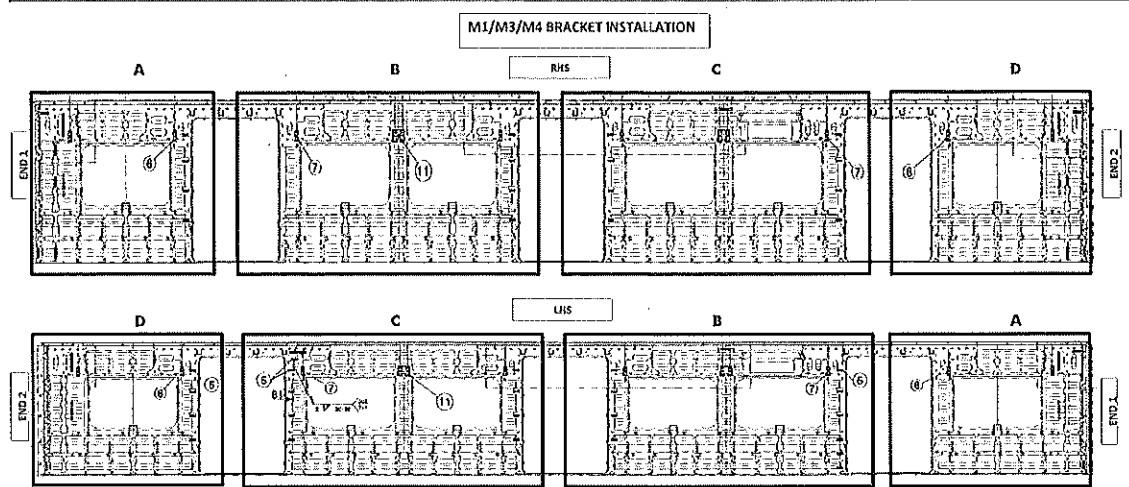
II - Self Inspection - Items to Check



BRACKETING

INSTALLATION		
C-RAILS:	Operator: <u>Asanda</u>	
	Operator: _____	
DOOR MECHANISMS:	Operator: <u>Asanda</u>	
	Operator: _____	
TAPPING PADS	Operator: <u>Asanda</u>	
	Operator: _____	
INSTALLATION & VERIFICATION		
SEAT & LUGGAGE BRACKETS:	Operator: <u>Mthoziso</u>	
	Operator: _____	
SEAT BRACKETS VERIFICATION:	Operator: <u>Mthoziso</u>	
	Operator: _____	
WELDING		
AREA	LHS	RHS
A (Seat brackets)	: Operator (Name&sign): <u>LINDO</u>	<u>LINDO</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>LINDO</u>	<u>LINDO</u>
B (Seat brackets)	: Operator (Name&sign): <u>LINDO</u>	<u>LINDO</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>LINDO</u>	<u>LINDO</u>
C (Seat brackets)	: Operator (Name&sign): <u>Mthoziso</u>	<u>Mthoziso</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>Mthoziso</u>	<u>Mthoziso</u>
D (Seat brackets)	: Operator (Name&sign): <u>Mthoziso</u>	<u>Mthoziso</u>
(C-rails, Luggage and earth bushes)	: Operator (Name&sign): <u>Mthoziso</u>	<u>Mthoziso</u>
ENDS		
END 1 TAPPING PADS WELDING:	Operator (Name&sign): <u>LINDO</u>	
END 2 TAPPING PADS WELDING:	Operator (Name&sign): <u>Mthoziso</u>	

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30226487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date	
		28/10/2023	
II - Self Inspection - Items to Check			



QUANTITIES (M3/M4)

RHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	7		
	B	4		
	C	8		
	D	8		
SEAT BRACKETS	A	13		
	B	21		
	C	21		
	D	13		
EARTH BUSH	A	3		
	B	5		
	C	4		
	D	3		

ROOF ENDS:
 CRAILS 2 OFF EACH END
 EARTH BUSH 6 OFF EACH END

VERIFICATION BY: _____

LHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	2		
	B	8		
	C	11		
	D	8		
SEAT BRACKETS	A	13		
	B	21		
	C	21		
	D	13		
EARTH BUSH	A	3		
	B	5		
	C	6		
	D	2		

ROOF ENDS:
 CRAILS 2 OFF EACH END
 EARTH BUSH 6 OFF EACH END

VERIFICATION BY: _____

QUANTITIES (M1)

RHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	7		
	B	8		
	C	8		
	D	8		
SEAT BRACKETS	A	13		
	B	21		
	C	21		
	D	13		
EARTH BUSH	A	2		
	B	4		
	C	5		
	D	3		

ROOF ENDS:
 CRAILS 2 OFF EACH END
 EARTH BUSH 6 OFF EACH END

VERIFICATION BY: LSB

LHS				
	SECTION	QUANTITY	OK	NOK
C-RAILS	A	2		
	B	10		
	C	11		
	D	8		
SEAT BRACKETS	A	13		
	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: LSB

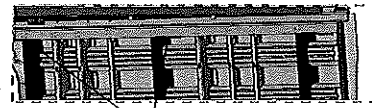
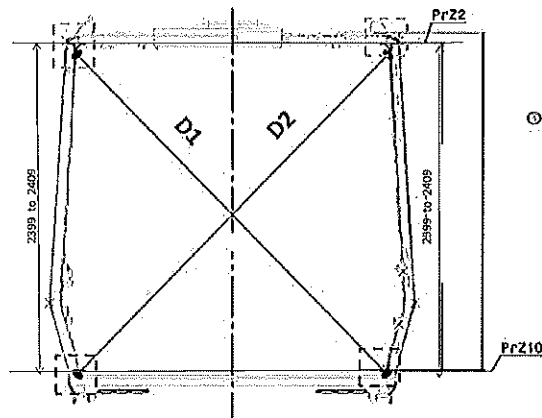


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30225487/2

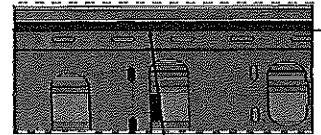
Rev.	29
Date	28/10/2023

Project: PRA5A
SI.CB2220.250.V29

Specifications of Details for CBS measurement



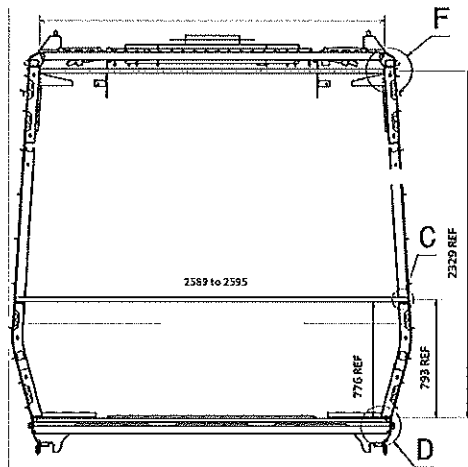
Measurement positions on roof rail and sidewall omega corner.

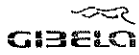


Reinforcement area measurement positions on roof reinforcement area.



Measurement positions on sidewall and side sill corner.



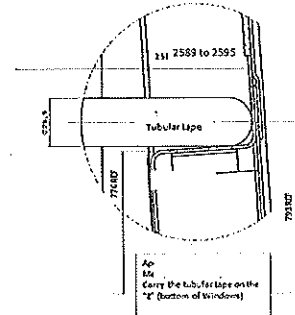
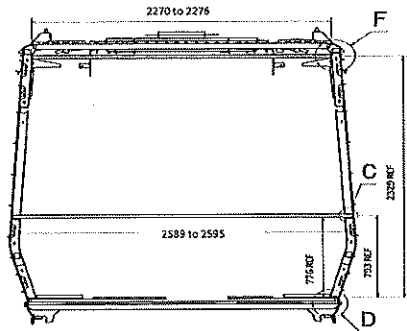


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

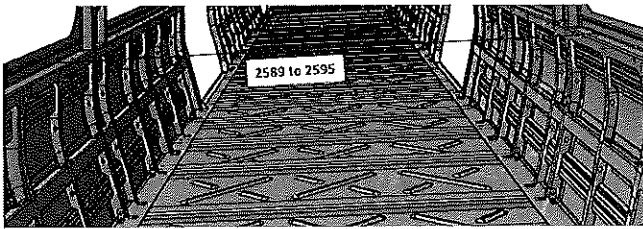
Rev.
29
Date
28/10/2023

Project: PRA5A
SI.CB2220.250.V29

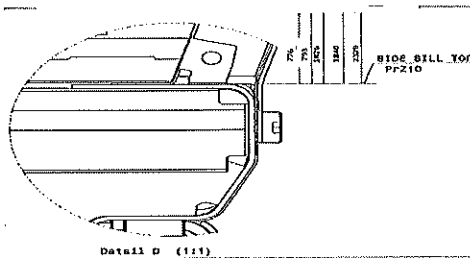
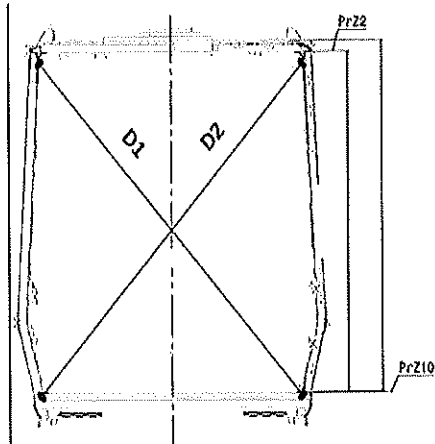
CBS measurement




Detail C

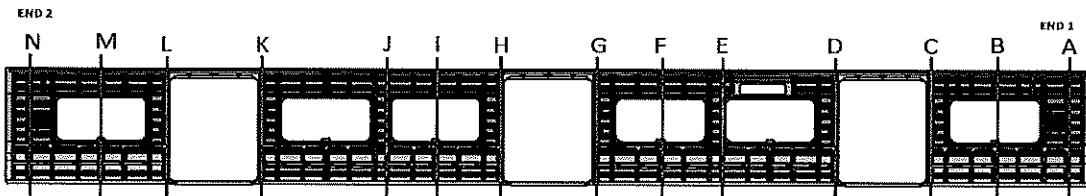


Take measurement close to
radius



Detail D (1:1)


	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30226487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date	
		28/10/2023	
CBS measurement			



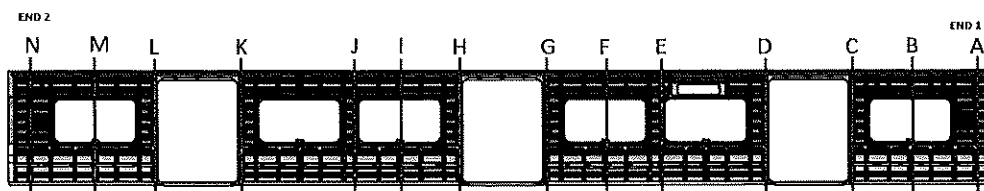
BEFORE WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	32917	3296	1	
B	3268	3264	4	
C	3294	3296	2	
D	3295	3294	1	
E	3262	3265	3	
F	3265	3266	1	
G	3296	3294	2	
H	3296	3296	1	
I	3265	3265	0	
J	3264	3265	1	
K	3294	3294	0	
L	3265	3266	1	
M	32917	3296	1	
N	3298	3297	1	2595

N/A

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date	
		28/10/2023	

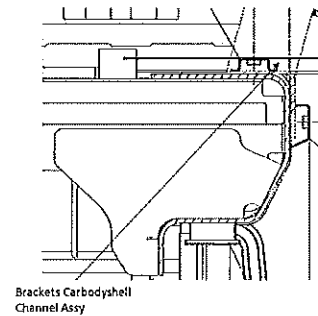
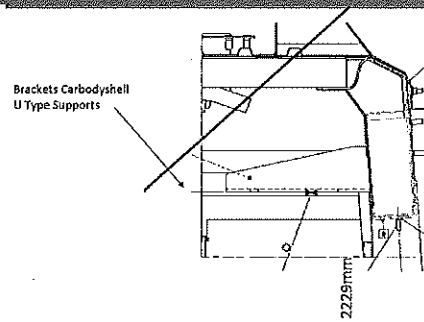
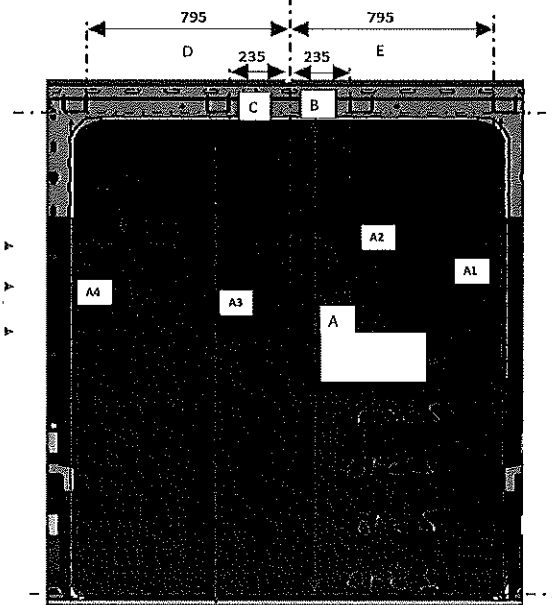
CBS measurement



AFTER WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3298	3297	1	2592
B	3268	3264	4	2589
C	3295	3293	2	2590
D	3294	3293	1	2598
E	3266	3265	1	2590
F	3266	3265	1	2591
G	3298	3298	0	2590
H	3295	3294	1	2590
I	3264	3261	3	2590
J	3264	3268	4	2590
K	3298	3297	1	2590
L	3294	3293	1	2589
M	3264	3264	0	2593
N	3291	3298	7	2595 *

Specifications of Details for CBS measurement CB1220



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

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

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

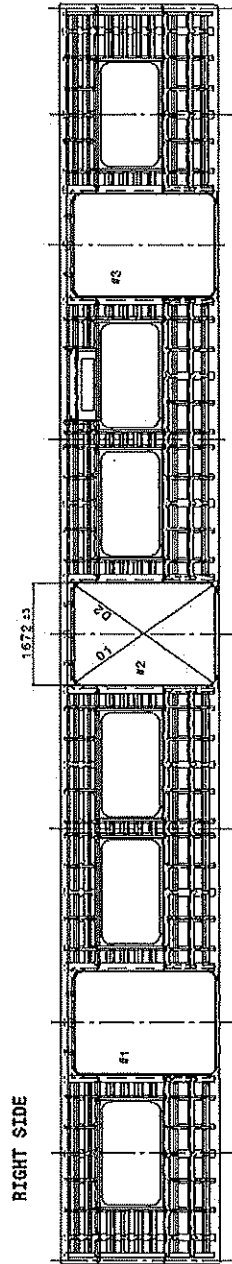
DOOR 1 - RHS		
	VALUE	ACTUAL
A1	2230 to 2232	2230
A2	2230 to 2232	2231
A3	2230 to 2232	2230
A4	2230 to 2232	2231
B	234 to 236	235
C	234 to 236	235
D	794 to 796	795
E	794 to 796	795

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

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

Specifications of Details for CBS measurement CB1220

End #2



End #1

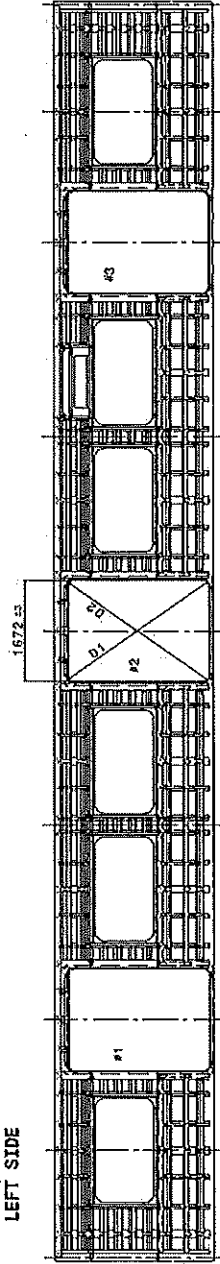
Doors diagonal D1-D2 maximum difference ≤ 4mm

#1	#2	#3
D1	2547	2548
D2	2549	2547
D1-D2	2	1

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

Doors length - 1672.33mm

End #1




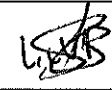

End #2

Doors diagonal D1-D2 maximum difference ≤ 4mm

#1	#2	#3
D1	2549	2546
D2	2547	2548
D1-D2	2	2


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

Doors length - 1672.33mm

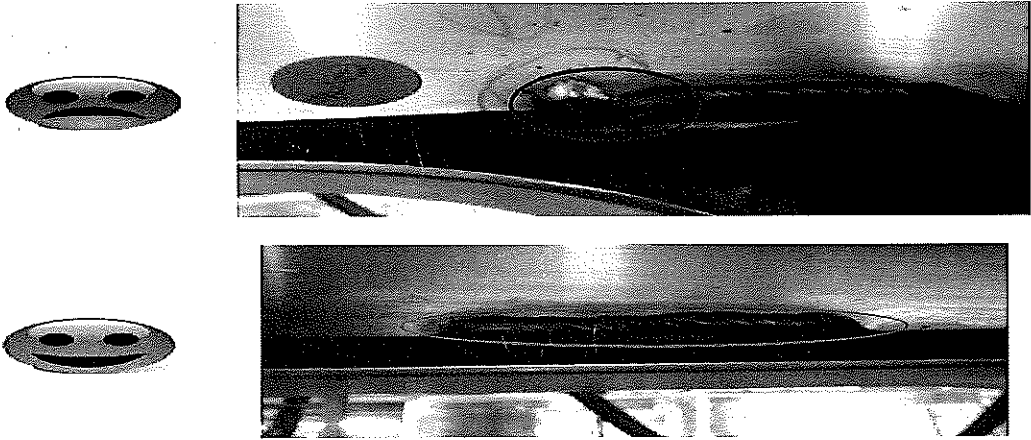
	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30226487/2		Rev.	Project: PRASA SI.CB2220.250.V29		
			29			
			Date			
			28/10/2023			
Self Inspection - Final Result						
Is the car good to advance to the next workstation/process? (Approval of Operations Manager and Industrial Quality)			DATE	NAME	SIGNATURE	
HOLD POINT		GO	(If activities are not complete, the missing activities must not impact the next stage)	20/06/2024	Henri Operations	
			Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	20/06/2024	Ano Industrial Quality	
			There are activities pending that impact/stop the activities of the next process Obs: (To describe problems below)			Operations
			There are non-conformities in part 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

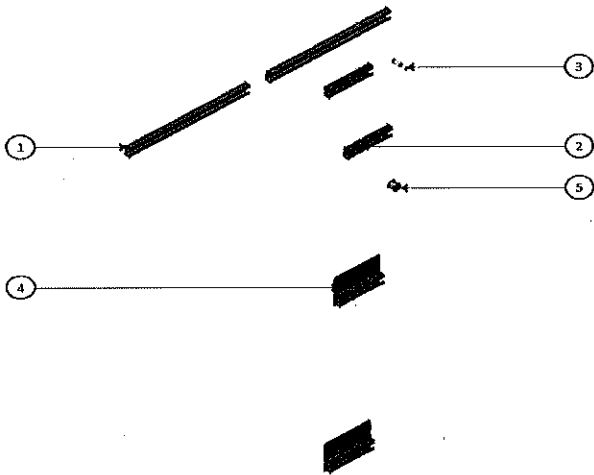
Quality

	CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2	Rev.	Project: PRASA SI.CB2220.250.V29
		29	
		Date 28/10/2023	

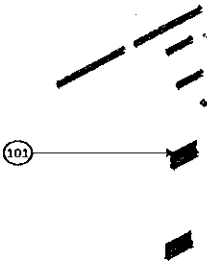
ANNEXURE A: Arc Welding Quality Acceptance Standard



Station: CB1220-004- U108 & U107



PART NO.	ITEM NO.	QTY	DESCRIPTION	MASS [kg]
DTR000074303	5	6	EARTH STUD 6	0.056
AJ000011201643	4	6	ASSEMBLY SUPPORT	0.271
DTR0000343305	3	12	WELDING STUD ISO1518 PT -- ASK20-SS1	0.007
AJ000011001114	2	12	ASSEMBLY SUPPORT	0.193
AJ000011644118	1	14	ASSEMBLY SUPPORT	0.521
AJ000011611200	101	6	CARBODYSHELL BRACKETS CARBODYSHELL M1/M3/M4 CAR[SIDE FRAME MODULE E10D - 099]	12.132




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.

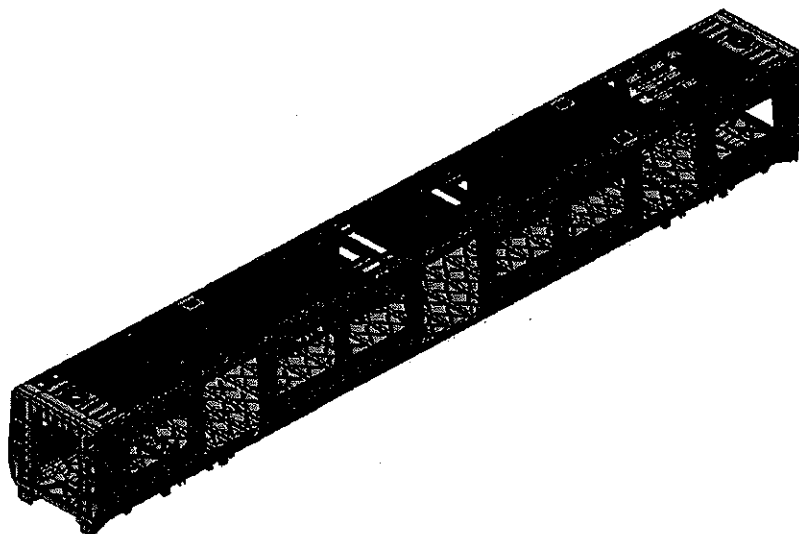
APPLICATION REFERENCE

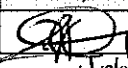
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ? 	
				TCA	M4	M1	M2	M3	TCA			
<input type="checkbox"/>	DTR300015269	AAD0001278566	CARBODYSHELL M1,M3,M4 ASSEMBLY	CB1230			X				PRA.CB1230.DT000002 25487.V20	YES
<input type="checkbox"/>	DTR3000152673	AAD0001278566	CARBODYSHELL M1,M3,M4 ASSEMBLY	CB1230		X			X		PRA.CB1230.DT000002 25487.V20	YES
<input type="checkbox"/>												
		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		Nosizo Pindela		13/03/2019					
10	23/08/2019	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							
			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							
25	20/02/2022	New Baseline change 10.3.1	APPROVER		Collins Mbombhi		20/02/2022					
			CHECKER		Andani Muthelo							
			REVISED BY		Andani Muthelo							
26	14/06/2022	Update minimum temperature requirement for sealant application	APPROVER		Collins Mbombhi		14/06/2022					
			CHECKER		Andani Muthelo							
			REVISED BY		Andani Muthelo							
27	19/10/2022	Addition of traceability for sealant application	APPROVER		Collins Mbombhi		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	06/11/2023	Added thresholds traceability for boiler makers and welders	APPROVER		Tyson Ngobeni		06/11/2023					
			CHECKER		Andani Muthelo							
			REVISED BY		Ntokozo Zwane							
TRAINSET	CAR	OPERATOR NAME & ALPS NO	DATE	SELF INSPECTION NUMBER		PAGES						
2314	M1	mmuthapelo 483004	21/06/24	SI.CB1230.256.V28		11						

	CARBODYSHELL M1,M3,M4 ASSEMBLY DT00000225487	Rev. 29	Project: PRASA SI.CB1230.256.V28
		Date 08/11/2023	
Car:	NCR:	Work station: CB1230	



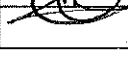


Safety Related



I - Documentation and Instruments Control
I.1 - Documentation Control

Document	Type of car					Revision	Observation	OK		Signature/Date (Operations)	Signature/Date (Quality)
	M1	M2	M3	M4	TC2						
PRA.CB1230.DT00000225487	✓							✓		N/A	 21/06/24

I.2 - Instruments Control
Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Serial number	Calibration or Verification Validation Date	OK		Signature/Date (Operations)	Signature/Date (Quality)
AAD0001278568			✓		Mack 21/06/24	
Tubular	2212812713	20/06/24	✓		Mack 21/06/24	
measuring Tape	4186 X14	29/04/24	✓		Mack 21/06/24	
combination square	4180012	27/07/24				

1.3 Consumables
Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process	OK		Signature/Date (Manufacturing)	Signature/Date (Quality)
308 LSi	313 177	MIG	✓		Mack 21/06/24	



CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.

29

Date

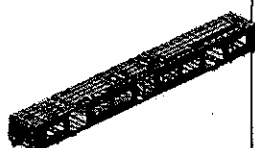
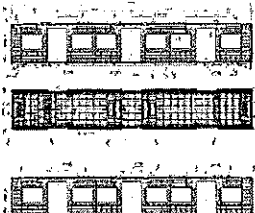

06/11/2023

Project: PRASA

SI.CB1230.256.V28

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.DT00000225487 Verification of filment for all brackets.	PRA.CB1230.DT00000225487	✓			Wesley 21/06/24	21/06/24						
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓			Wesley 21/06/24	21/06/24						
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓			Wesley 21/06/24	21/06/24						
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓			Wesley 21/06/24	21/06/24						
05		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓			Wesley 21/06/24	21/06/24						
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.	✓			Wesley 21/06/24	21/06/24						
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: <table><tr><td>Temperature Min - Max (1)</td><td>Min-Max</td><td>10°C - 35°C</td></tr><tr><td>Relative humidity Min - Max (1)</td><td>Min-Max</td><td>25% - 80%</td></tr></table>	Temperature Min - Max (1)	Min-Max	10°C - 35°C	Relative humidity Min - Max (1)	Min-Max	25% - 80%	Sealant Batch No: 112240 Exp Date: 11 / Aug / 24 Actuals Temperature: 23°C Humidity: 55-60%	✓			Wesley 21/06/24	21/06/24
Temperature Min - Max (1)	Min-Max	10°C - 35°C												
Relative humidity Min - Max (1)	Min-Max	25% - 80%												
08	N/A	Verification of sealant application in regions of roof and sideframe.	Sealant applied in regions of roof and sideframe.	✓			Wesley 21/06/24	21/06/24						



CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.

29

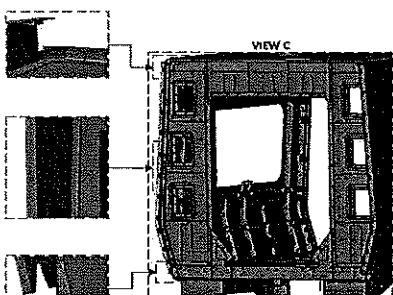
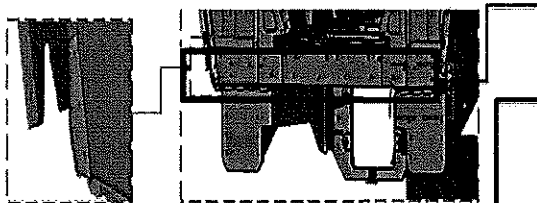
Date

06/11/2023

Project: PRASA

SI.CB1230.256.V28

AREA 1



H

END 2 SEALANT

OPERATOR
(Name & sign):

Leroy

OPERATOR
(Name & sign):

Leroy

OPERATOR
(Name & sign):

Leroy

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

Operator (Name & sign):

LHS

RHS

Operator (Name & sign):

Buhle (E) H I

Buhle (E) H I

Operator (Name & sign):

Buhle (E) H I

Buhle (E) H I

Operator (Name & sign):

Sihle (D,E) H I

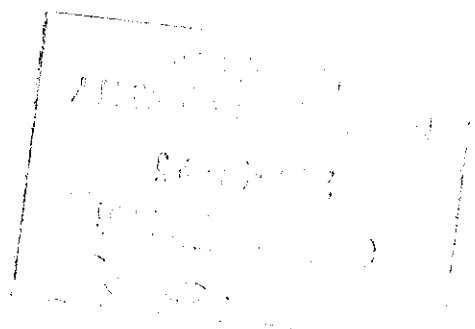
Sihle (D,E) H I

Operator (Name & sign):

Operator (Name & sign):

Sihle

Sihle





CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.

29

Date

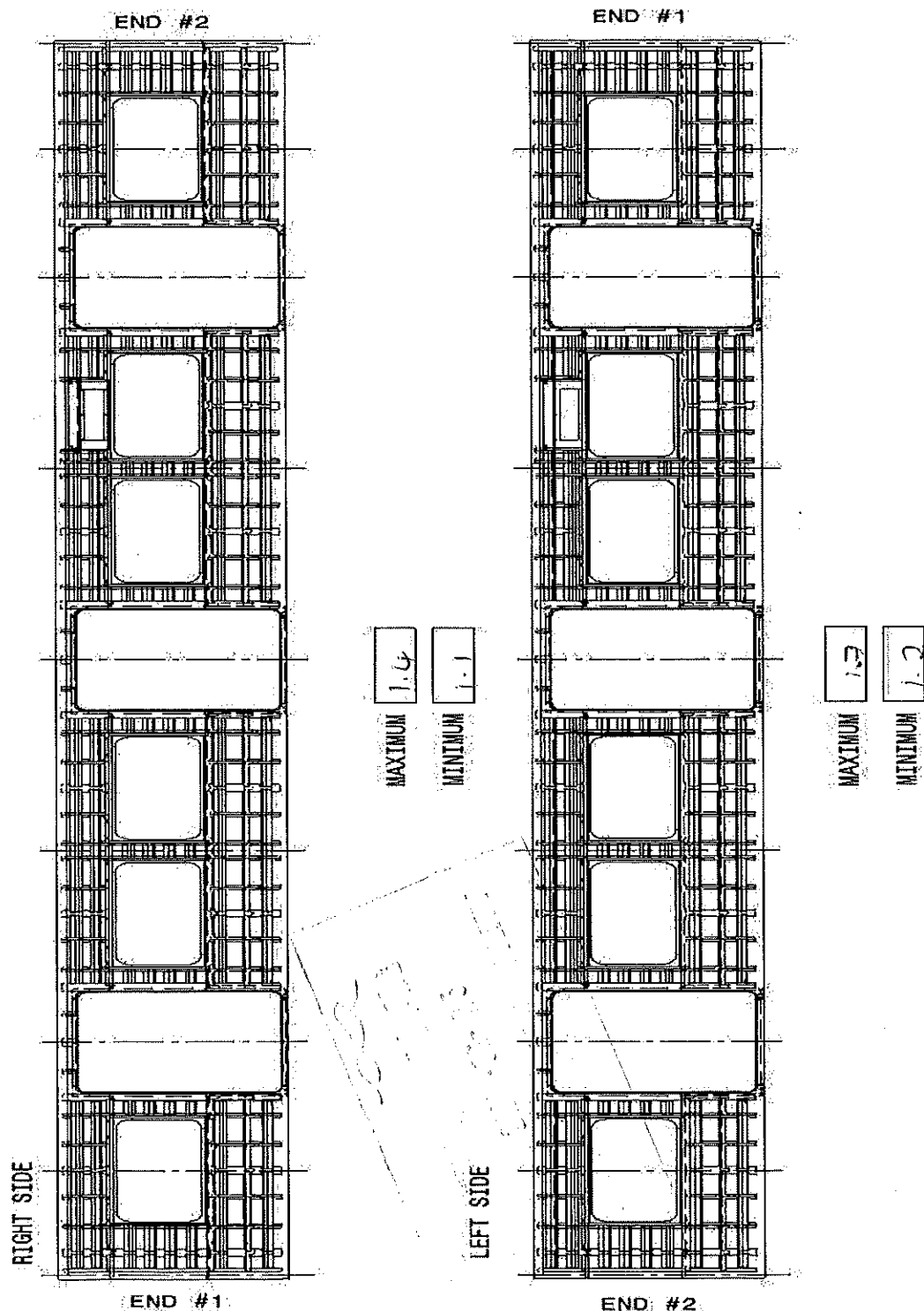
06/11/2023

Project: PRASA

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Specifications of Details for CBS measurement CB1230

Flatness 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 M1,M3,M4 ASSEMBLY
DT00000225487

Rev.
29

Date

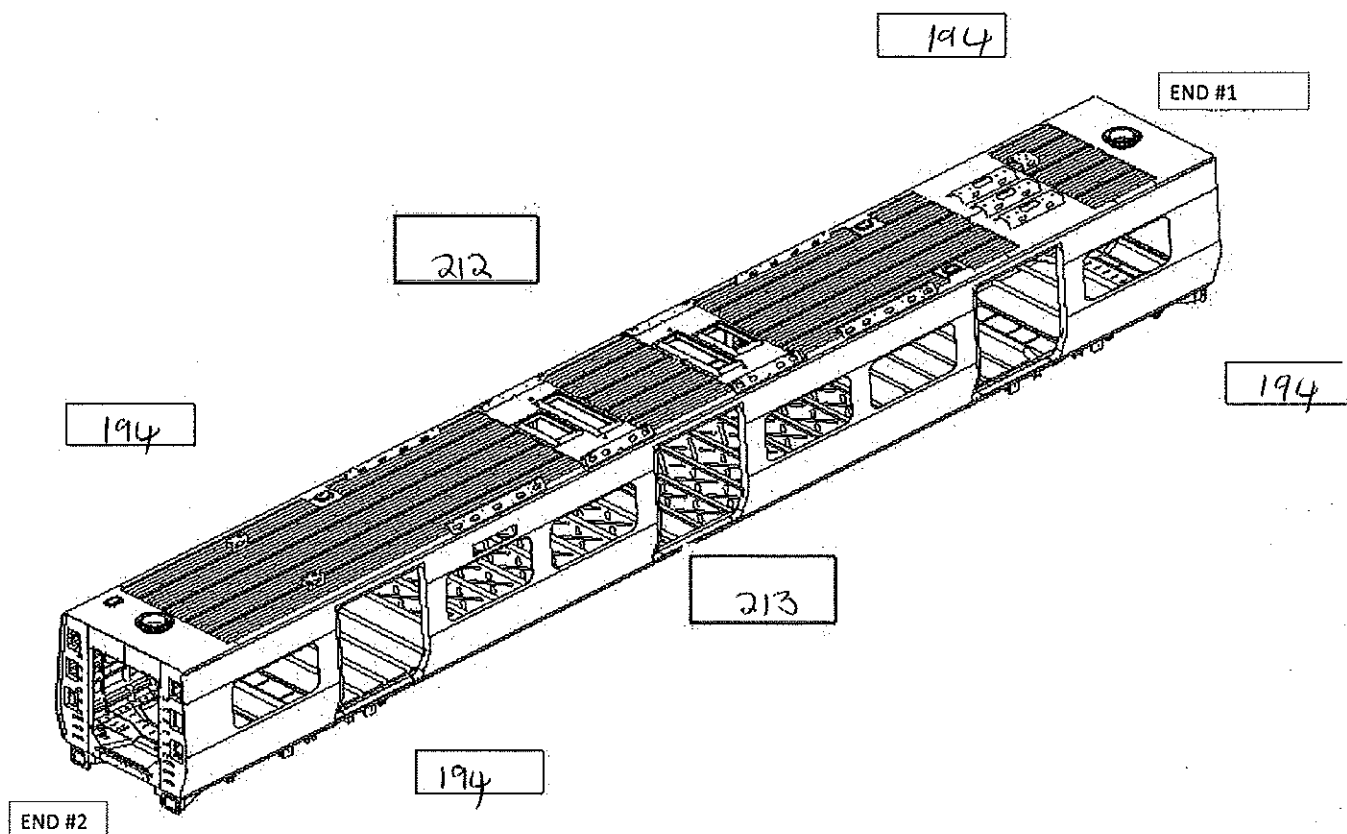
06/11/2023

Project: PRASA

SI.CB1230.256.V28

Specifications of Details for CBS measurement CB1230

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



MEASURED CAMBER VALUES

RIGHT	¹	19
LEFT	^{al}	18

7/11/2023
11:11:11
06/11/2023
11:11:11



CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000226487

Rev.

29

Date

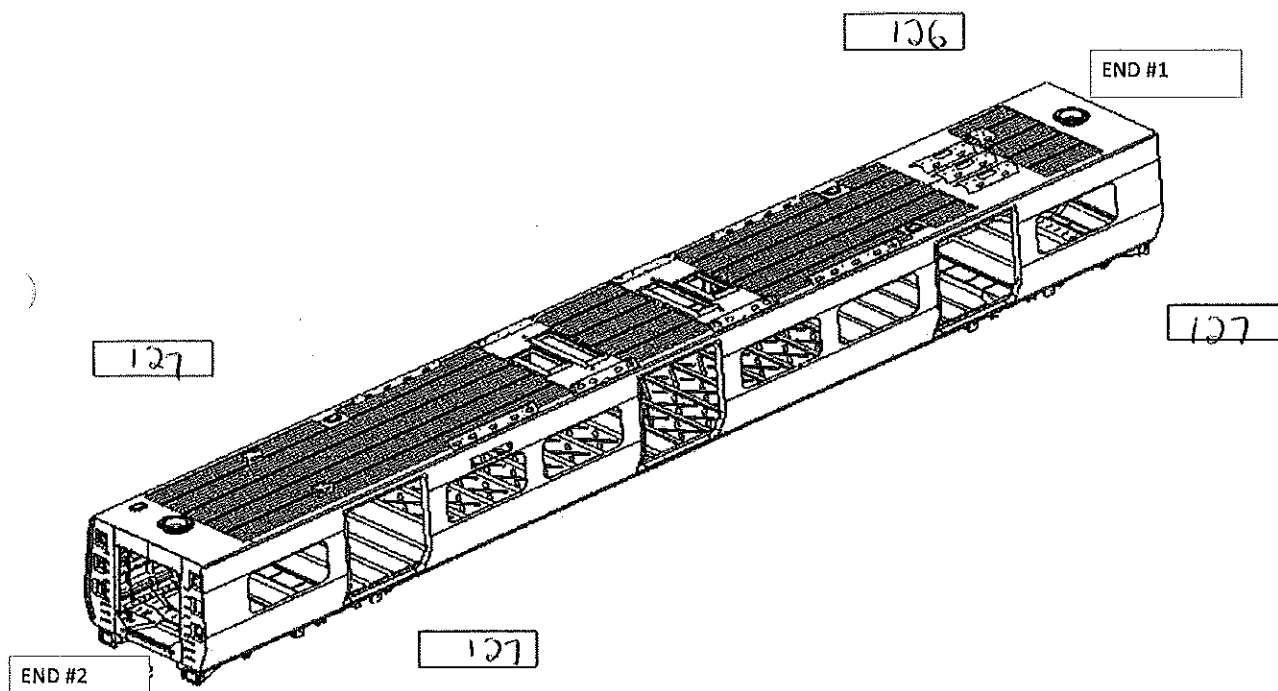
06/11/2023

Project: PRASA

SI.CB1230.256.V28

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

TRANVERS

1

LONGITUDIN

0

TWIST FOUND ON END 2

TRANVERSE

0

LONGITUDINAL

1



CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.
29

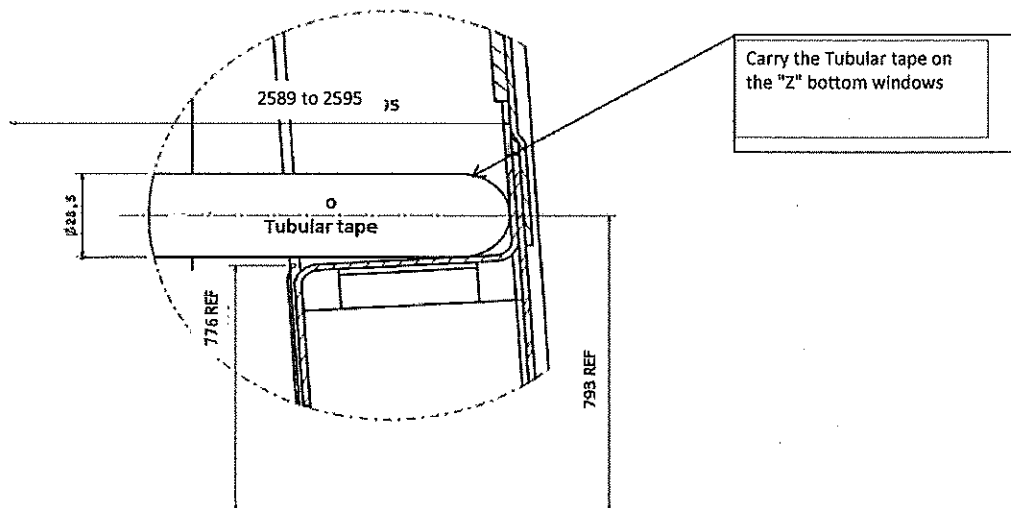
Date

06/11/2023

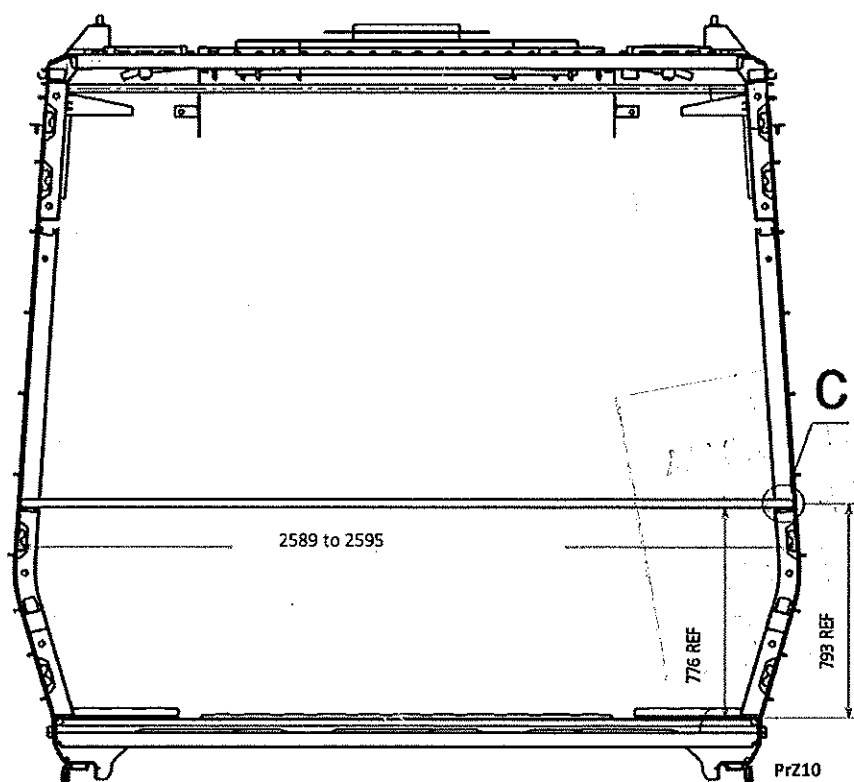
Project: PRASA

SI.CB1230.256.V28

Specifications of Details for CBS measurement CB1230



Detail C





CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.

29

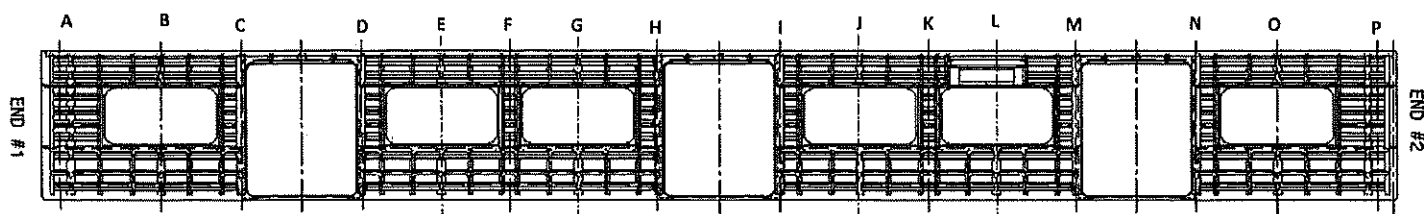
Date

06/11/2023

Project: PRASA

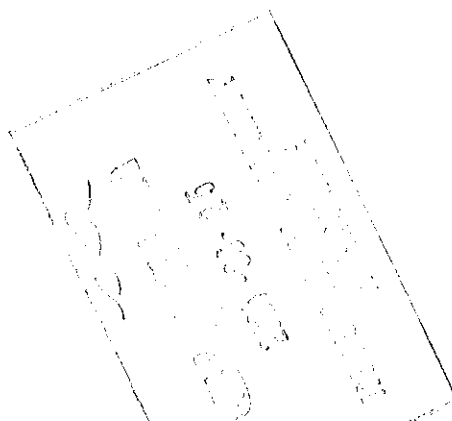
SI.CB1230.256.V28

Specifications of Details for CBS measurement CB1230



2589 to 2595mm

A	2595
B	2592
C	2589
D	2581
E	2590
F	2590
G	2591
H	2589
I	2587
J	2594
K	2595
L	2591
M	2589
N	2590
O	2593
P	2596




Threshold verification

Nominal value :38

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

BOILER MAKER: Nonhlanhla

Welder: Emmanuel

	CARBODYSHELL M1,M3,M4 ASSEMBLY DT00000225487	Rev. 29	Project: PRASA SI.CB1230.256.V28
		Date	
		06/11/2023	

Dye penetrant test

Dye-penetration test to be performed by quality personnel



Specifications of Details for CBS measurement

Item	Description of the Issue	Qty	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			





CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.

29

Date

06/11/2023

Project: PRASA

SI.CB1230.256.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)	21/06/24	L183004 mmathapelo Operations	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	01/06/24	Amogelang Industrial Quality	
		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	

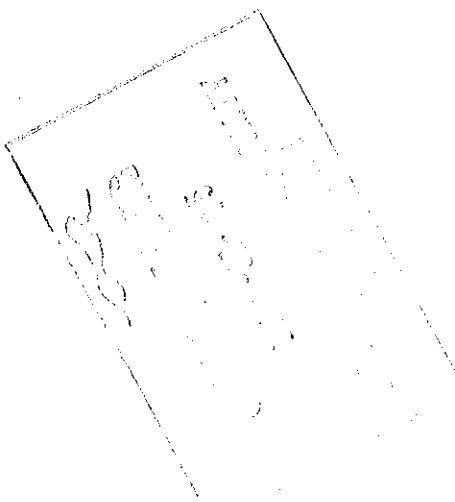
In case of "NO GO", describe blocking problems


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

Item	Description	Responsible	Due date	Status

Operations

Quality



	CARBODYSHELL M1,M3,M4 ASSEMBLY DT00000225487	Rev. 29	Project: PRASA SI.CB1230.256.V28
		Date	
		06/11/2023	

ANNEXURE A: Arc Welding Quality Acceptance Standard

