

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

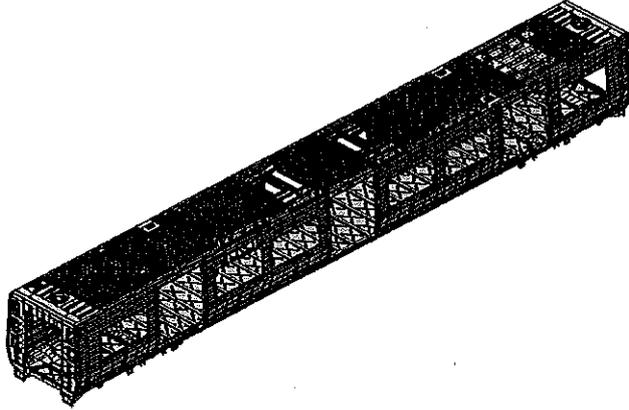
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ?		
				TC1	MA	M1	M2	M3	TC2				
<input type="checkbox"/>	DTR3000152640	AAD0001278555	CARBODYSHELL M1 ASSEMBLY	CB2210								PRA.CB2210.DTR30225 487/3,V25	YES

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 Masiba	
			REVISED BY	Bongane Masiba	
20	19/04/2021	New Baseline change 10.3	APPROVER	Timothy Maimela	19/04/2021
			CHECKER	Bongane Masiba	
			REVISED BY	Bongane Masiba	
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
---------	------	----------------------



I - Documentation and Instruments Control

I.1 - Documentation Control

Document	Type of car						Revision	Observation	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
	D	M	S	W	U	U					
DTR30225487/3	<input checked="" type="checkbox"/>										<i>[Signature]</i> 14/06/24

I.2 - Instruments Control

Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Serial number	Calibration or Verification Validation Date	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
Tubular	32823-2	15/03/23	✓	<i>[Signature]</i>	
3mm tape	C113TP0102	15/11/24	✓	<i>[Signature]</i>	<i>[Signature]</i> 14/06/24
Laser tape	123425924	08/01/23	✓	<i>[Signature]</i>	

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	✓	<i>[Signature]</i>	<i>[Signature]</i> 14/06/24
ER 308L	299687-70322	Tig	✓	<i>[Signature]</i>	



CARBODYSHELL M1 ASSEMBLY DTR30226487/3

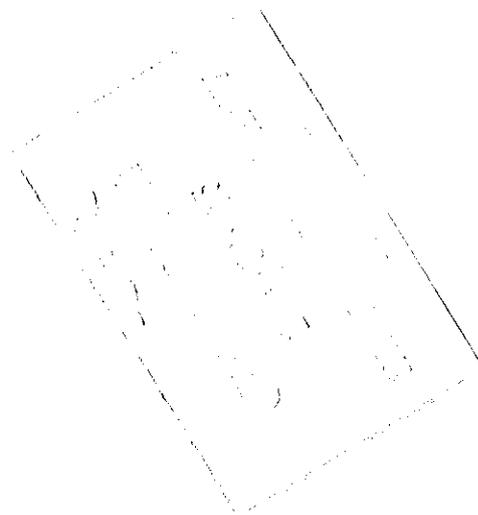
Rev.
28
Date
07/11/2023

Project: PRASA
SI.CB2210.254.V28

III - Self Inspection - Items to Check

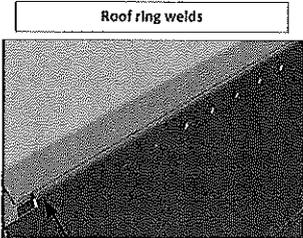
II.1 - Items to check

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
02	N/A	Corshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓			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
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
05		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓			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
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

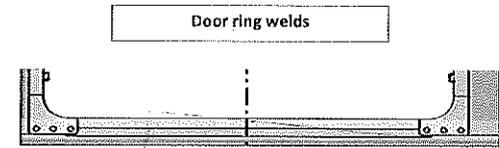


	CARBODYSHELL M1 ASSEMBLY DTR30226487/3	Rev. 28	Project: PRASA SI.CB2210.254.V28
		Date 07/11/2023	

Welder Traceability



<p style="text-align: center;"><u>LHS</u></p> <p>Boiler maker (Name & Sign): <u>Tim Eddels</u></p>	<p>Welder (Name & Sign): <u>Thoborg</u></p>
<p style="text-align: center;"><u>RHS</u></p> <p>Boiler maker (Name & Sign): <u>Tim Eddels</u></p>	<p>Welder (Name & Sign): <u>Thoborg</u></p>



LHS

Boiler maker (Name & Sign): Tim Eddels

Welder (Name & Sign): KEVIN K. METCAL

RHS

Boiler maker (Name & Sign): LWINGA

Welder (Name & Sign): ROBERT B. BAKER

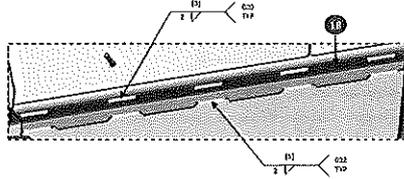
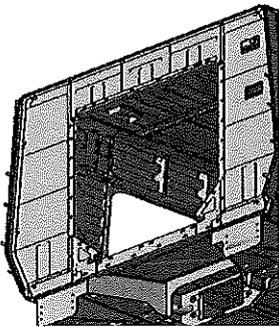


CARBODYSHELL M1 ASSEMBLY DTR30225487/3

Rev.
28
Date
07/11/2023

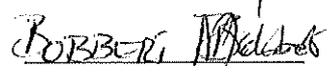
Project: PRASA
SI.CB2210.254.V28

EUF Reinforcement Plates

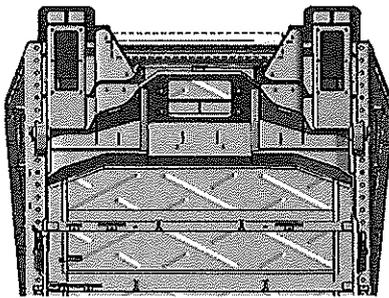


END 1

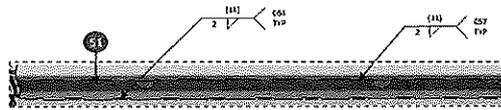
Boiler maker (Name & Sign): LAMELO 

Welder (Name & Sign): ROBBERI 

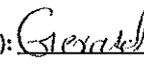
END 2

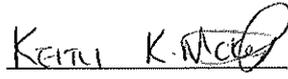


Underneath the CAR



END 2

Boiler maker (Name & Sign): GIACARD 

Welder (Name & Sign): KETU 



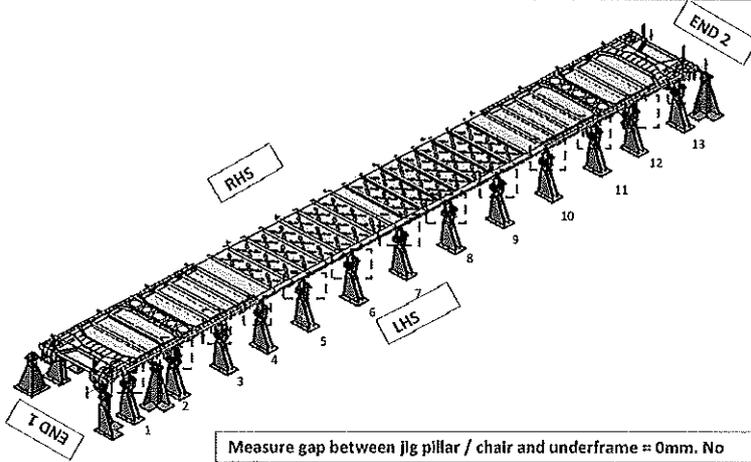
FEDOLI

Operator: LALGA 



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

Specifications of Details for CBS measurement



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

After loading and clamping

Fill in the gap 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: *[Signature]* Date: 19/06/24

After Welding.

Fill in the gap found 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: *[Signature]* Date: 19/06/24



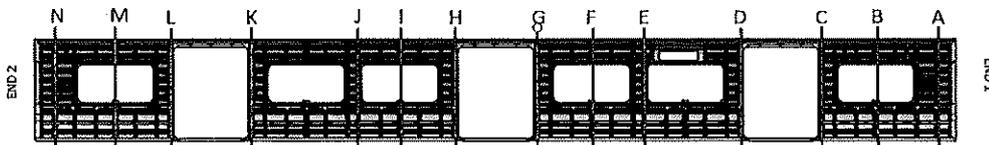


CARBODYSHELL M1 ASSEMBLY DTR30226487/3

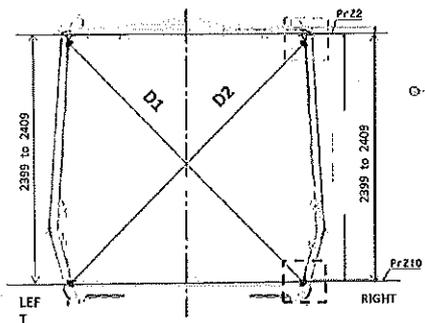
Rev.
28
Date
07/11/2023

Project: PRASA
SI.CB2210.254.V28

Specifications of Details for CBS measurement



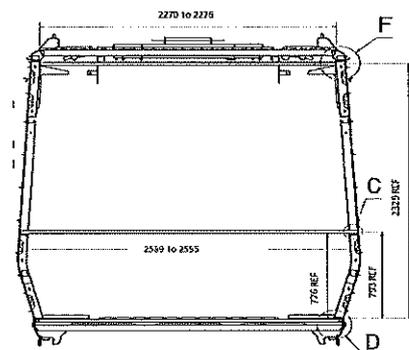
9



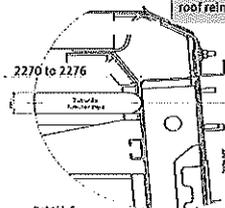
Measurement positions on roof rail and sidewall Omega corner



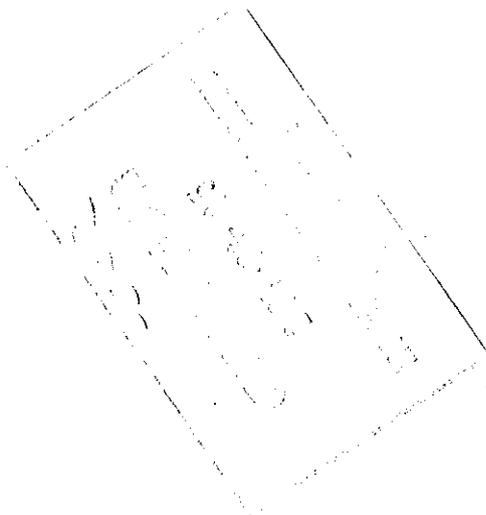
Measurement positions on sidewall and side sill corner



Reinforcement area measurement positions on roof reinforcement area



Detail F
Don't forget to check the reinforcement



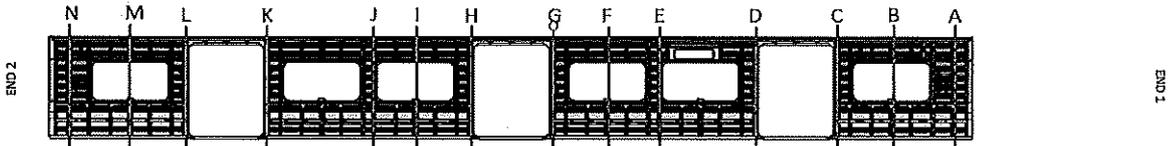


CARBODYSHELL M1 ASSEMBLY DTR30225487/3

Rev.
28
Date
07/11/2023

Project: PRASA
SI.CB2210.254.V28

Specifications of Details for CBS measurement



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

BEFORE WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5 mm	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

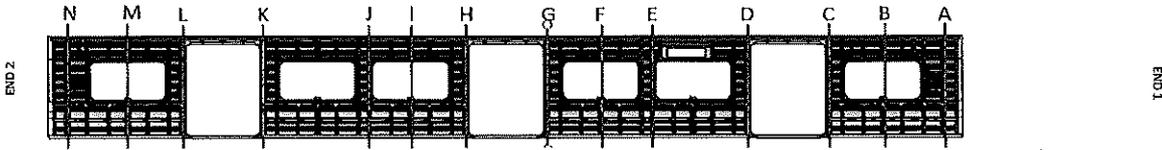


CARBODYSHELL M1 ASSEMBLY DTR30226487/3

Rev. 28
Date 07/11/2023

Project: PRASA
SI.CB2210.254.V28

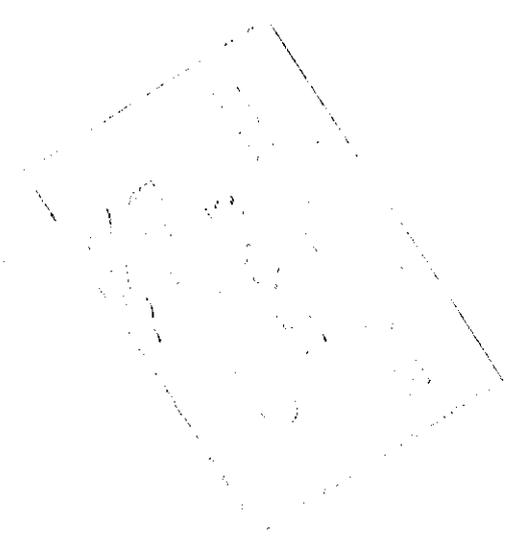
Specifications of Details for CBS measurement



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

AFTER WELDING

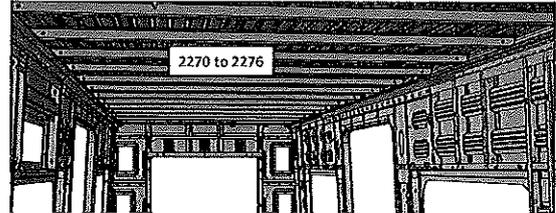
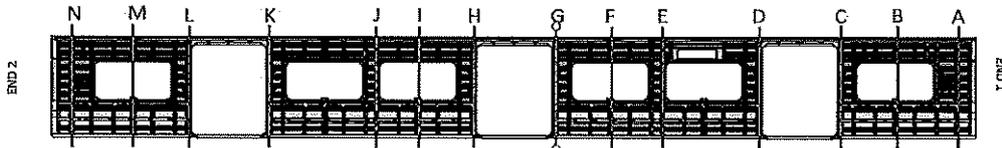
	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2399 to 2409	2399 to 2409 (RHS)	LHS-RHS ≤ 2
A	3296	3295	1	2404	2405	1
B	3266	3265	1	2405	2405	0
C	3285	3296	1	2406	2405	1
D	3294	3296	2	2404	2403	1
E	3266	3266	0	2405	2404	1
F	3265	3265	0	2404	2403	1
G	3293	3295	2	2409	2404	0
H	3294	3295	1	2406	2404	2
I	3265	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



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

CBS measurement

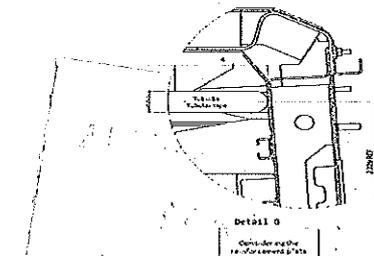
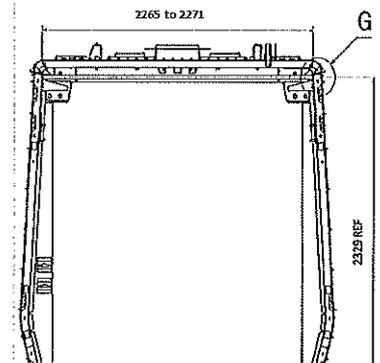
BEFORE WELDING



	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





CARBODYSHELL M1 ASSEMBLY DTR30225487/3

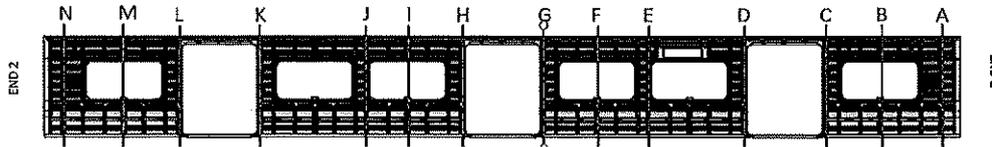
Rev. 28

Project: PRA5A
SI.CB2210.254.V28

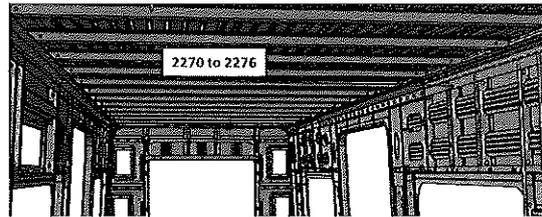
Date
07/11/2023

CBS measurement

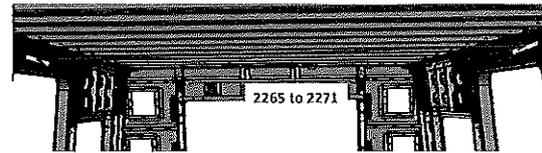
AFTER WELDING



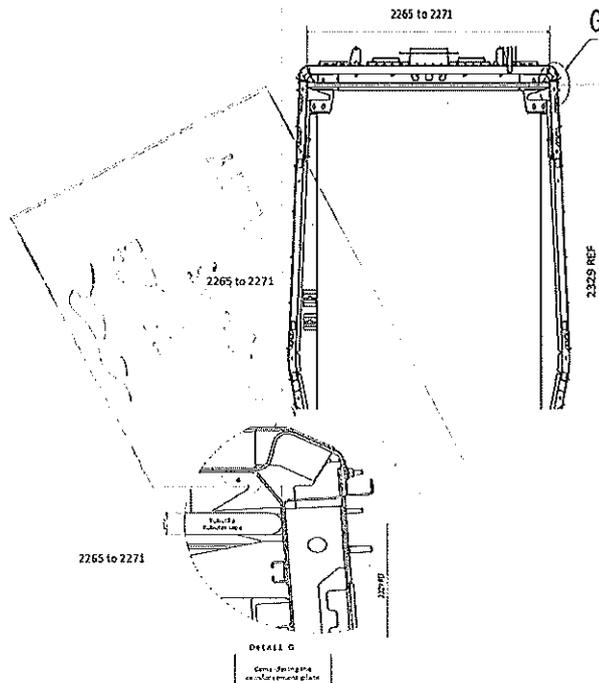
	2265 to 2271	2270 to 2276
A	2271	N/A
B	N/A	2274
C	2269	N/A
D	2270	N/A
E	N/A	2276
F	N/A	2275
G	2267	N/A
H	2268	N/A
I	N/A	2274
J	N/A	2276
K	2269	N/A
L	2271	N/A
M	N/A	2274
N	2268	N/A



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



Take measurement close to radius (considering reinforcement)



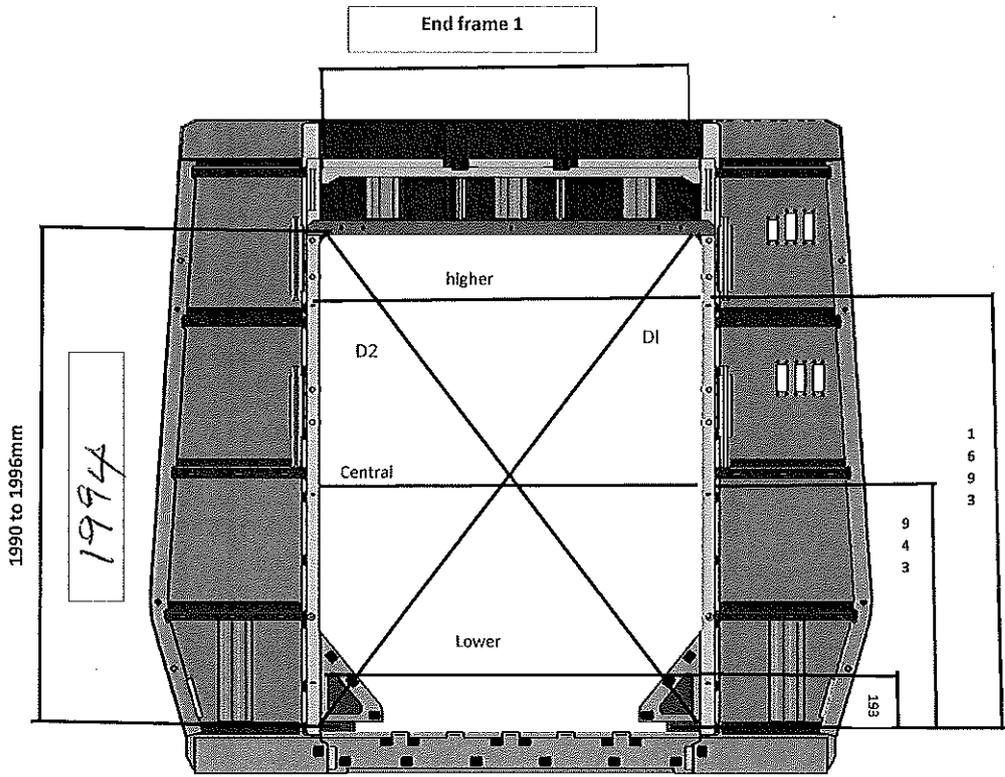


CARBODYSHELL M1 ASSEMBLY DTR30225487/3

Rev. 28
Date 07/11/2023

Project: PRASA
SI.CB2210.254.V28

Specifications of Details for CBS measurement



1380 to 1382 mm

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

Higher Dimension

1381

D1

2414

Central Dimension

1381

D2

2413

Lower Dimension

1381

D1-D2

1



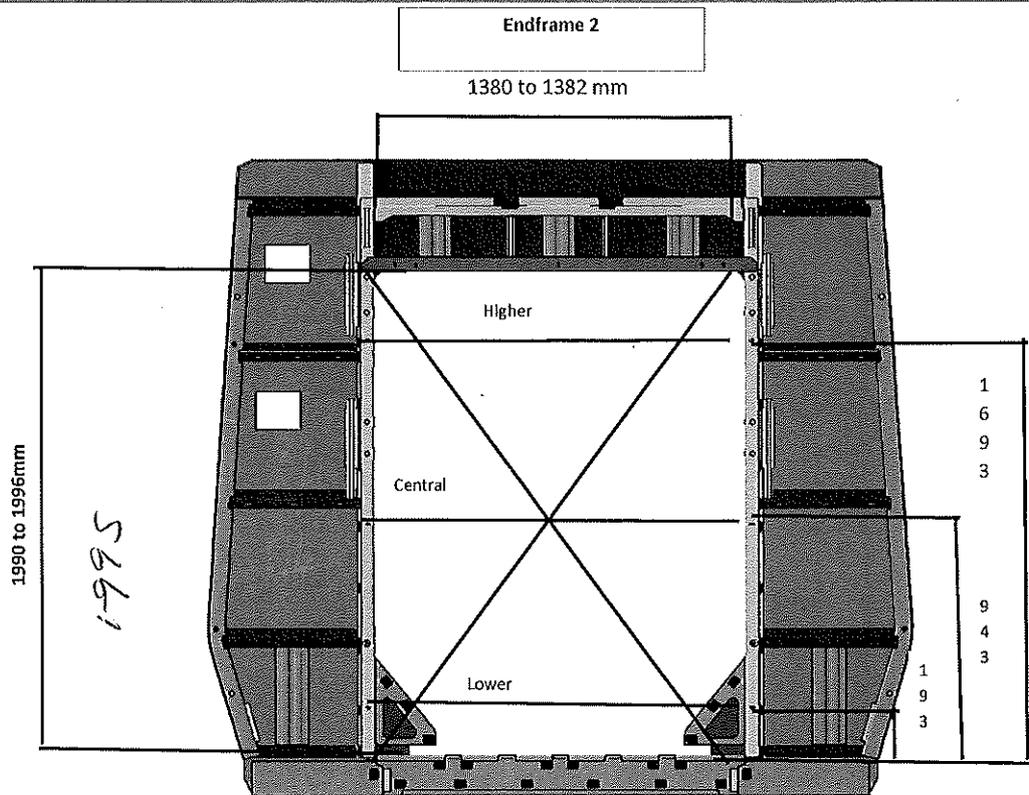


CARBODYSHELL M1 ASSEMBLY DTR30225487/3

Rev.
28
Date
07/11/2023

Project: PRASA
SI.CB2210.254.V28

Specifications of Details for CBS measurement



1380 to 1382 mm

DIAGONAL DIFFERENCE D1-D2 ≤ 3mm

Higher Dimension	1351	D1	2416
Central Dimension	1381	D2	2414
Lower Dimension	1380	D1-D2	2

Handwritten notes and signature in a tilted box.

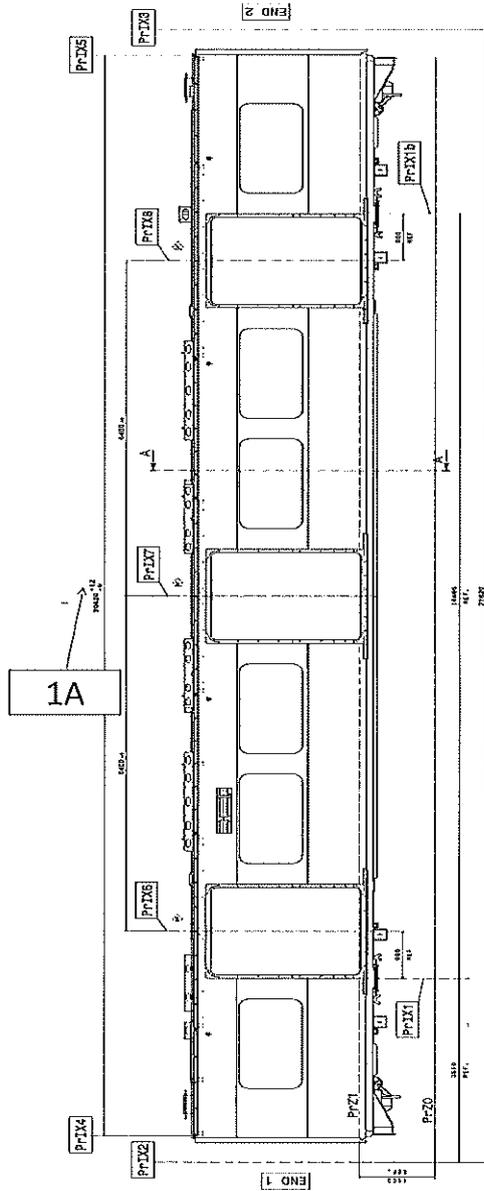


CARBODYSHELL M1 ASSEMBLY DTR30226487/3

Rev. 28
Date 07/11/2023

Project: PRASA
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

APPROVED
 08/11/2023
 1882
 22

Dye penetrant test

Dye-penetration test to be performed by quality personnel





CARBODYSHELL M1 ASSEMBLY DTR30225487/3

Rev. 28
Date 07/11/2023

Project: PRASA
SI.CB2210.254.V28

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	Jabogio	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.	19/06/24	Richard	
	NO GO	There are activities pending that impact/stop the activities of the next process Obs: (To describe problems below)			
		There are non-conformities impact the quality of the product and there is no corrective action defined yet)			

In case of "NO GO", describe blocking problems

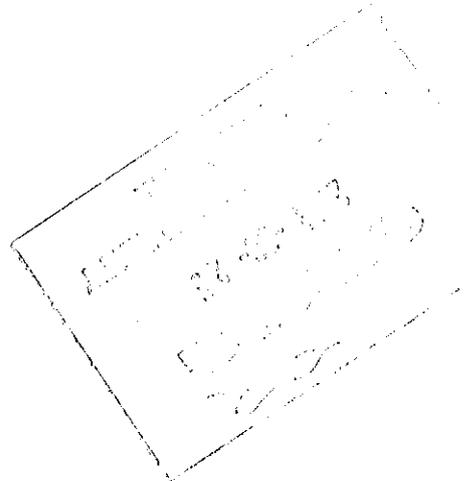
In case of "NO GO", the operations manager must define below action plan to ensure "GO":

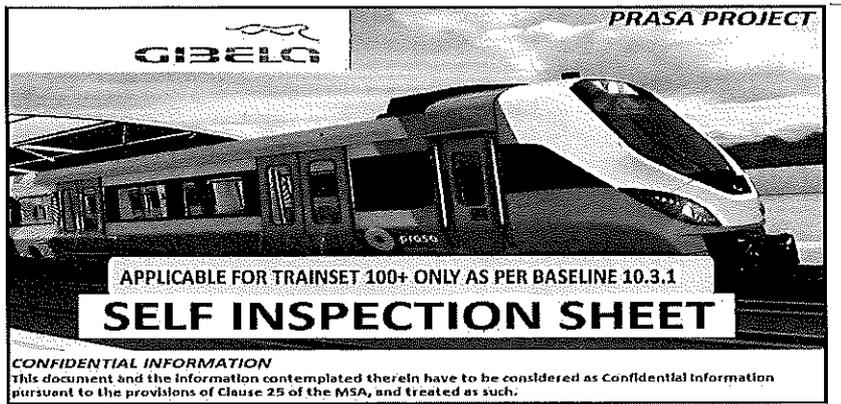
Item	Description	Responsible	Due date	Status

Operations

Quality

9

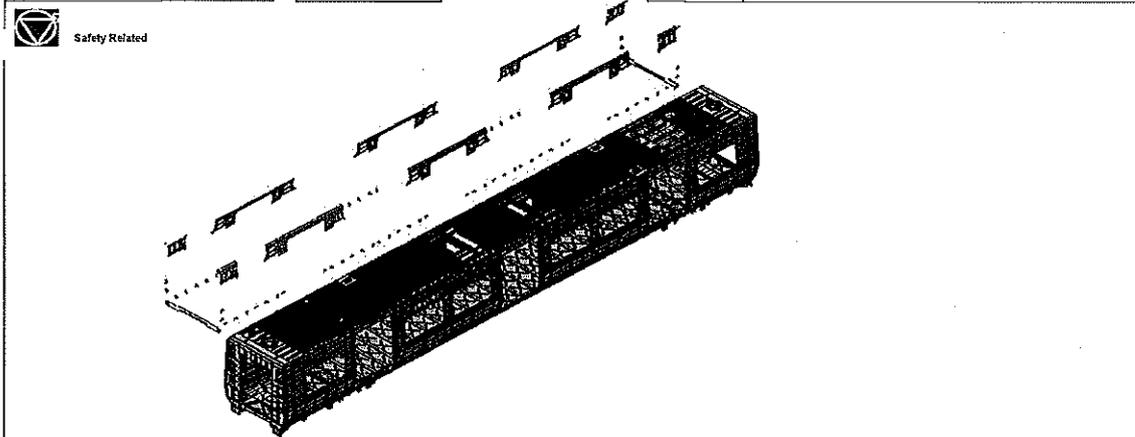




APPLICATION REFERENCE											
MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ?
				TEL	MA	M1	M2	M3	TC2		
<input type="checkbox"/>	DTR300152648	AAD0001278566	CB2220			X				PRA.CB2220.DTR3022548 7/2 V21	YES
<input type="checkbox"/>	DTR300152649	AAD0001278566	CB2220		X	X		X		PRA.CB2220.DTR3022548 7/2 V21	YES
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>											
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	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			
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	Mbhombi 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 Mbhombhi		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 Mbhombhi		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 Mbhombhi		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						
284	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
---------------	------	---------------	--------



I - Documentation and Instruments Control

I.1 - Documentation Control

Document	Type of car						Revision	Observation	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
	CS	M1	M3	M4	M2	CS					
DTR30225487/2							29	28/10/2023	X	N/A	20/06/24 <i>[Signature]</i>

I.2 - Instruments Control

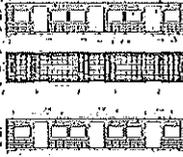
Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Serial number	Calibration or Verification Validation Date	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
Tabular	32823-3	14/03/2024 - 14/03/2025	X	20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>
Measuring Tape	3.8B 74013	17/04/2024 - 17/04/2025	X	20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>

I.3 Consumables

Welding Consumable Control - Used for Special Process

Fiber Material	Heat Number	Welding Process	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)
Welding 308 451	B221880	Mig	X	20/06/24 <i>[Signature]</i>	20/06/24 <i>[Signature]</i>

GIBELQ		CARBODYSHELL M1,M3,M4 ASSEMBLY DTR30225487/2		Rev. 29	Project PRASA	
				Date 28/10/2023	SI.CB2220.250.V29	
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° FRA CB2220.DTR30225487/2 Verification of funent for all reinforcement brackets.	PRA.CB2220.DTR30225487/2	✓	20/06/24 LWB	20/06/24 SAB
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓	20/06/24 LWB	20/06/24 SAB
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓	20/06/24 LWB	20/06/24 SAB
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓	20/06/24 LWB	20/06/24 SAB
05		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓	20/06/24 LWB	20/06/24 SAB
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.	✓	20/06/24 LWB	20/06/24 SAB
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: 57321 Exp Date: 04/10/24 Actuals Temperature: 10 Humidity: 38	✓	20/06/24 LWB	20/06/24 SAB
08	NA	Verification of sealant application in certain regions in the drawing.	AAD0001278566	✓	20/06/24 LWB	20/06/24 SAB
09		Verification of safety welds	Approved according to DTD000210658 reference and Self inspection	✓	20/06/24 LWB	20/06/24 SAB



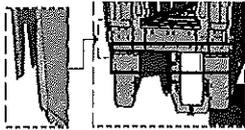
CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

II - Self Inspection - Items to Check

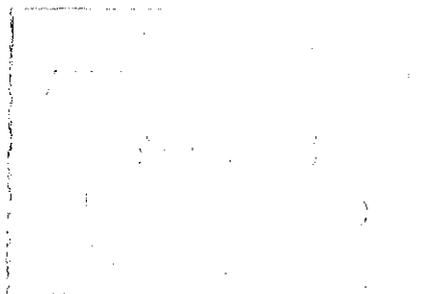
SEALANT APPLICATION

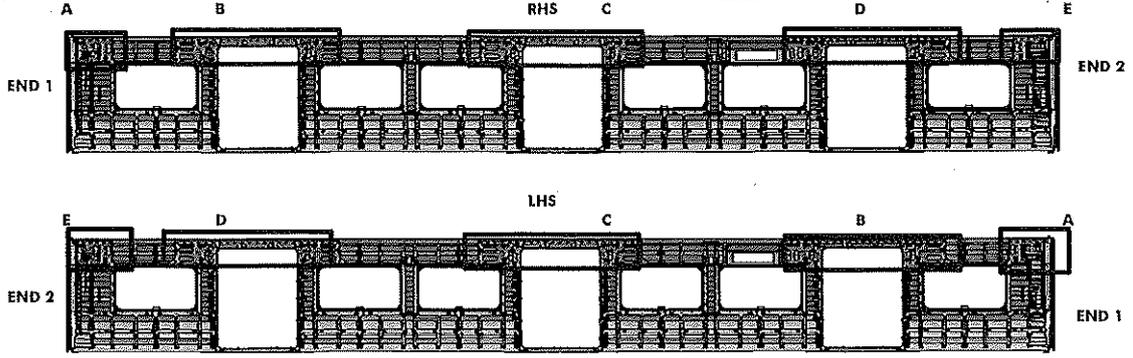


AREA 1 & 2 END 1

Operator (Name & sign):
M. Kholozis

Operator (Name & sign):
M. Kholozis

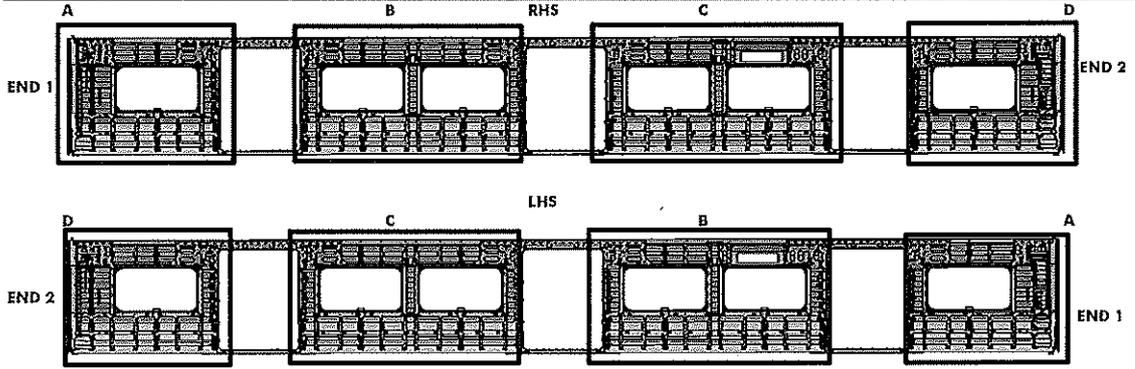




REINFORCEMENT WELDING

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>





BRACKETING

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



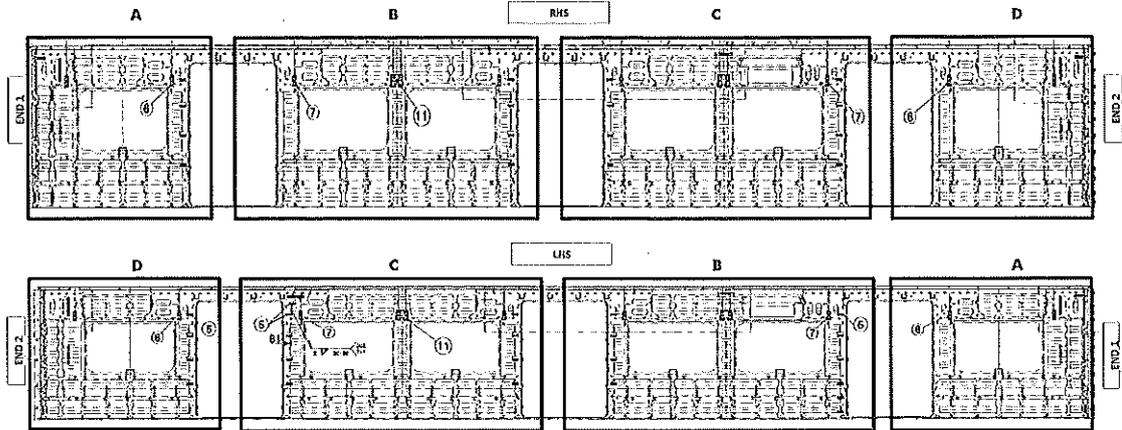
CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30225487/2

Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

II - Self Inspection - Items to Check

M1/M3/M4 BRACKET INSTALLATION



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	4		
	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

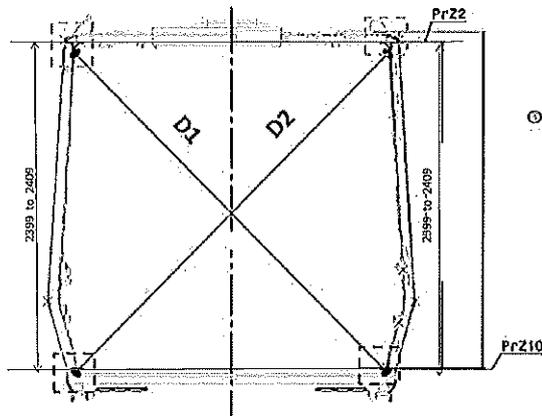


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30225487/2

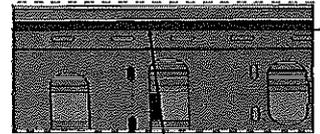
Rev.
29
Date
28/10/2023

Project: PRA5A
SI.CB2220.250.V29

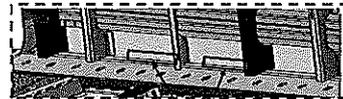
Specifications of Details for CBS measurement



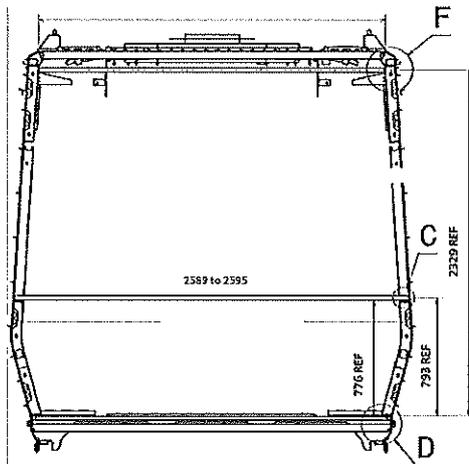
Measurement positions on roof rail and sidewall omega corner.



Reinforcement area measurement positions on roof reinforcement area.



Measurement positions on sidewall and side sill corner.



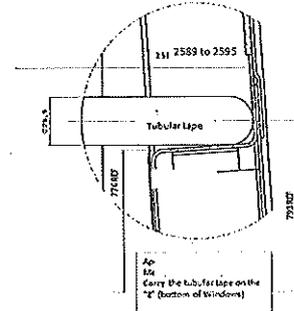
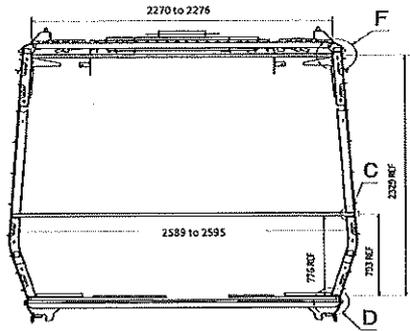


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

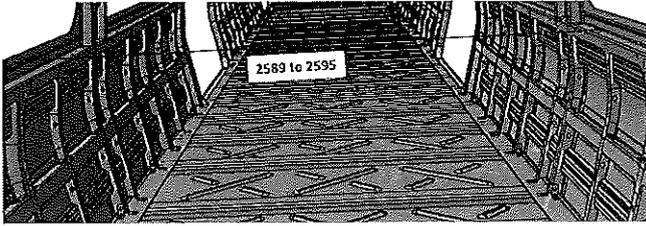
Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

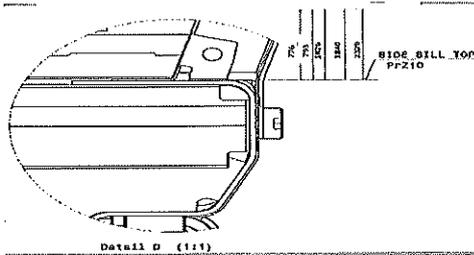
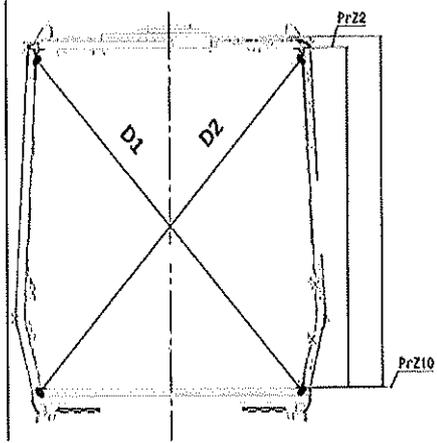
CBS measurement



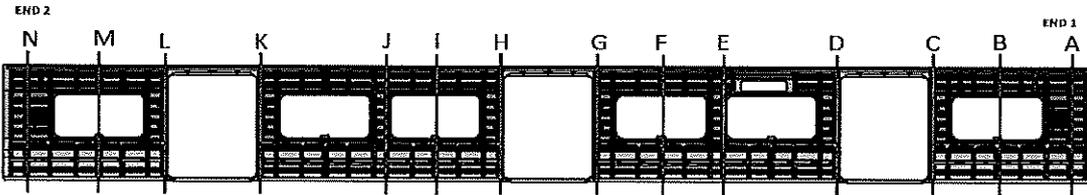
Detail C



Take measurement close to radius



Detail D (1:1)



BEFORE WELDING

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3297	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	3297	3296	1	
N	3298	3297	1	2595

N/A

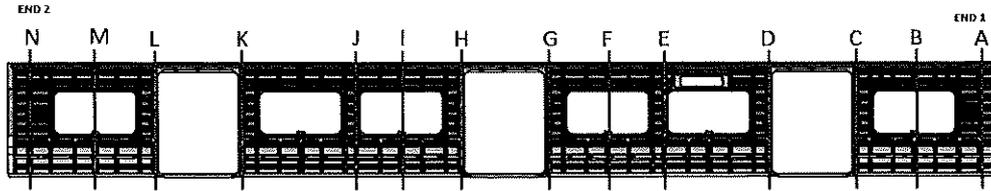


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

CBS measurement



AFTER WELDING

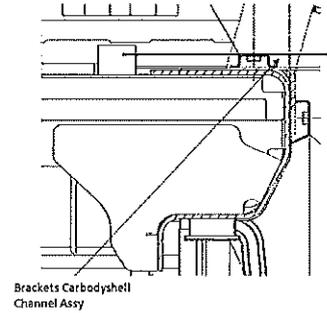
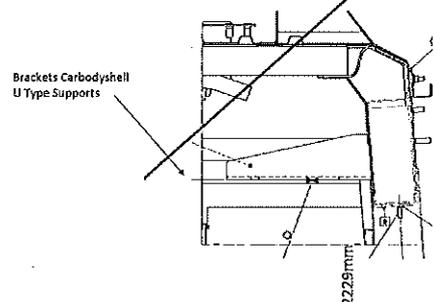
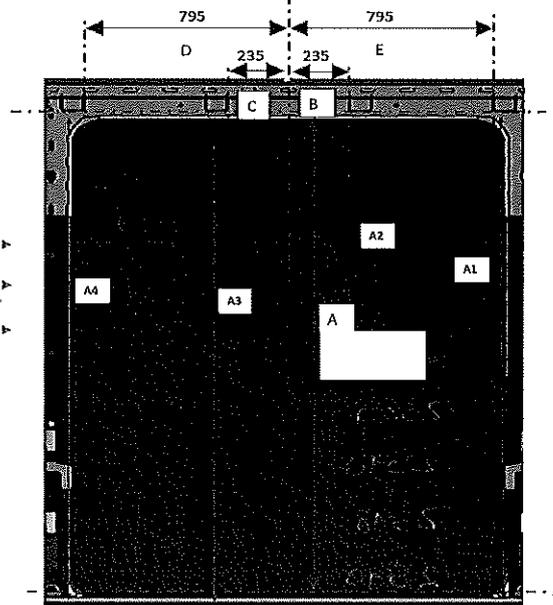
	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3298	3291	1	2592
B	3268	3264	4	2589
C	3295	3293	2	2590
D	3294	3293	1	2598
E	3266	3265	1	2590
F	3266	3265	1	2591
G	3298	3298	0	2590
H	3295	3294	1	2590
I	3264	3261	3	2590
J	3264	3268	4	2590
K	3298	3297	1	2590
L	3294	3293	1	2589
M	3264	3264	0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



CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

Rev. 29 Project: PRASA
Date 28/10/2023 SI.CB2220.250.V29

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

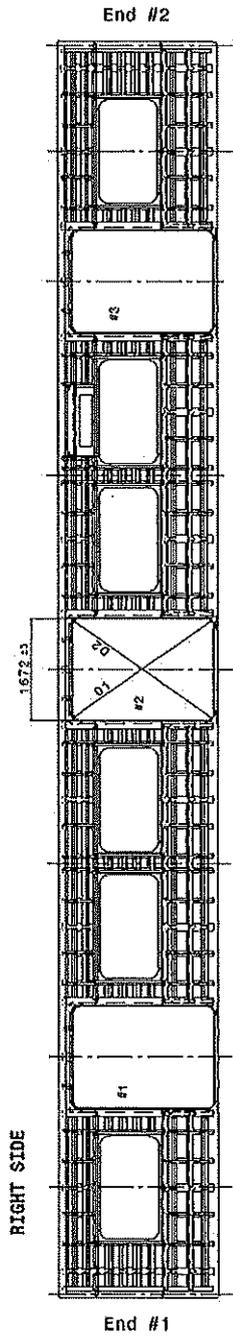


CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30226487/2

Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

Specifications of Details for CBS measurement CB1220

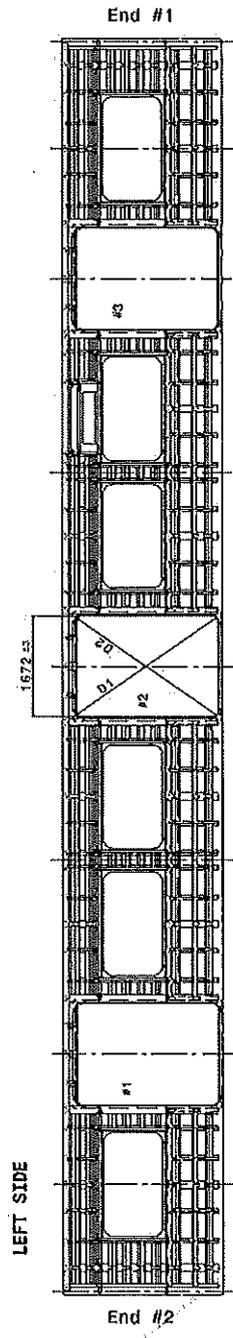


Doors diagonal D1-D2 maximum difference ≤ 4mm

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

Doors length = 1672.3mm

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



Doors diagonal D1-D2 maximum difference ≤ 4mm

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

Doors length = 1672.3mm

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



CARBODYSHELL M1,M3,M4 ASSEMBLY
DTR30225487/2

Rev.
29
Date
28/10/2023

Project: PRASA
SI.CB2220.250.V29

CBS measurement (Manufacturing)

Dye penetrant test

Dye penetration test to be performed by quality personnel

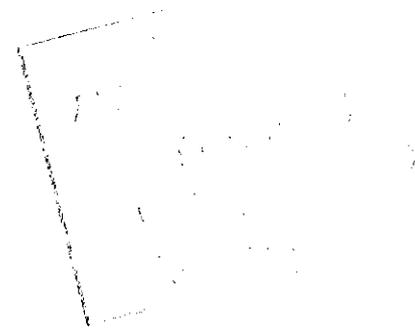


Item	Description of the Issue	OK	Signature/Date (Manufacturing)	Signature/Date (Quality)

II.2 - Check List REX

Check List Items

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



	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 <small>Operations</small>	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	20/06/2024	Ano <small>Industrial Quality</small>	
		There are activities pending that impact/stop the activities of the real process Obs: (To describe problems below)		<small>Operations</small>	
		There are non-conformities impact the quality of the product and there is no corrective action defined yet)		<small>Industrial Quality</small>	

In case of "NO GO", describe blocking problems

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

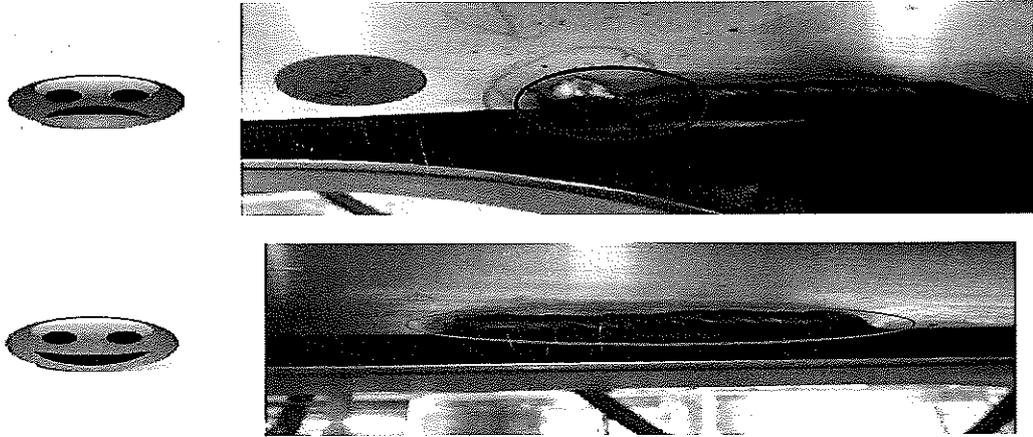
Item	Description	Responsible	Due date	Status

Operations

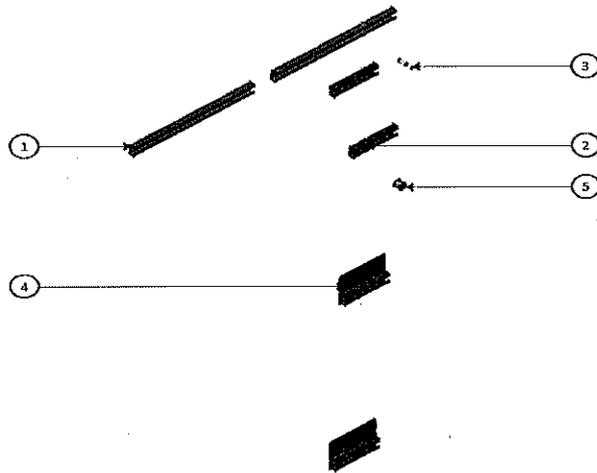
Quality

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

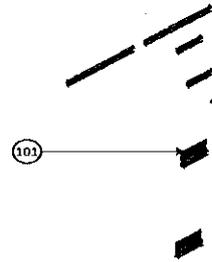
ANNEXURE A: Arc Welding Quality Acceptance Standard



Station: CB1220-004- U108 & U107



PART NO.	ITEM NO.	QTY	DESCRIPTION	MASS [KG]
DTR000074303	5	6	EARTH STUD 6	0.056
AAD0001201843	4	6	ASSEMBLY SUPPORT	0.271
DTR0000343305	3	12	WELDING STUD ISO13918 PT - E25x20 - SST	0.007
AAD0001100114	2	12	ASSEMBLY SUPPORT	0.193
AAD0001164418	1	14	ASSEMBLY SUPPORT	0.521
AAD0001161000	101	6	CARBODYSHELL BRACKETS CARBODYSHELL M1/M3/M4 CAR(SIDE FRAME MODULE E10 - 099)	12.132



APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

SELF INSPECTION SHEET

CONFIDENTIAL INFORMATION

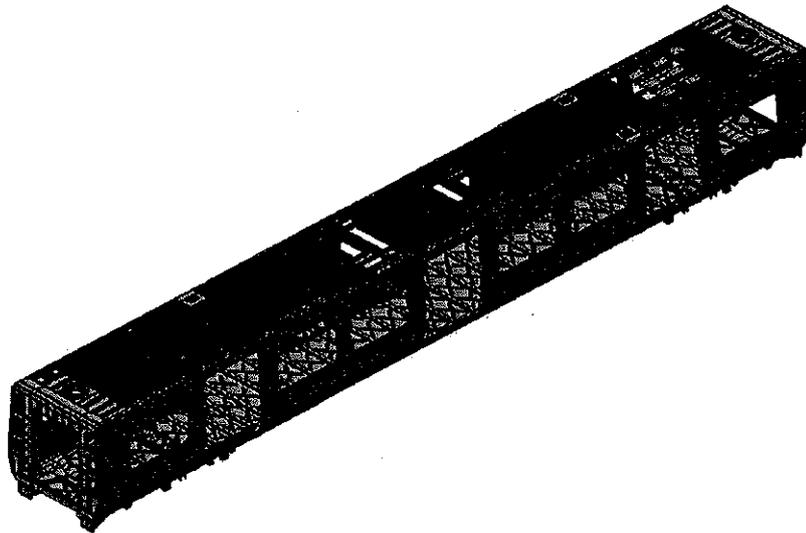
This document and the information contemplated therein have to be considered as Confidential Information pursuant to the provisions of Clause 25 of the MSA, and treated as such.

APPLICATION REFERENCE

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ?
				TCA	M ₁	M ₂	M ₃	M ₄	TCA		
<input type="checkbox"/>	DTR3000152669	AAD0001278566 CARBODYSHELL M1,M3,M4 ASSEMBLY	CB1220			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 Mbhombhi	20/02/2022						
			CHECKER	Andani Muthelo							
			REVISED BY	Andani Muthelo							
26	14/06/2022	Update minimum temperature requirement for sealant application	APPROVER	Collins Mbhombhi	14/06/2022						
			CHECKER	Andani Muthelo							
			REVISED BY	Andani Muthelo							
27	19/10/2022	Addition of traceability for sealant application	APPROVER	Collins Mbhombhi	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
------	------	-----------------------------



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 Mack 21/06/24	 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	22128 22713	20/06/24	✓		Mack 21/06/24	
measuring tape	4180 X14	29/04/24	✓		Mack 21/06/24	
combination square	4180072	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	313 777	MIG	✓		Mack 21/06/24	



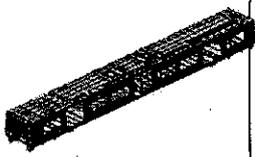
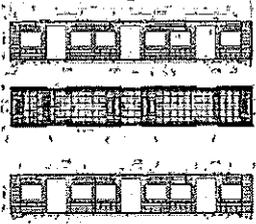
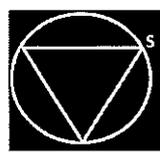
CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

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	DN	Signature/Date (Operations)	Signature/Date (Quality)						
01	N/A	Assembly according to Instruction Engineering n° PRA.CB1230.DT00000225487 Verification of fitment for all brackets.	PRA.CB1230.DT00000225487	✓	Whester 21/06/24	[Signature] 21/06/24						
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality	DTD0000210675	✓	Whester 21/06/24	[Signature] 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	✓	Whester 21/06/24	[Signature] 21/06/24						
04		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓	Whester 21/06/24	[Signature] 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.	✓	Whester 21/06/24	[Signature] 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.	✓	Whester 21/06/24	[Signature] 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 border="1" style="font-size: small;"> <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: <u>112240</u> Exp Date: <u>11 / Aug / 24</u> Actuals Temperature: <u>23°C</u> Humidity: <u>55%</u>	✓	Whester 21/06/24	[Signature] 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.	✓	Whester 21/06/24	[Signature] 21/06/24						



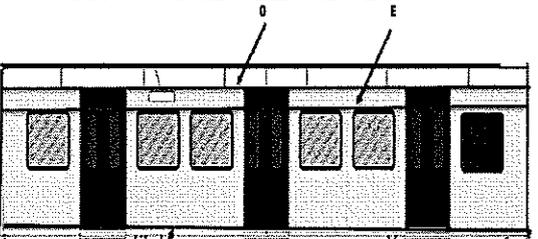
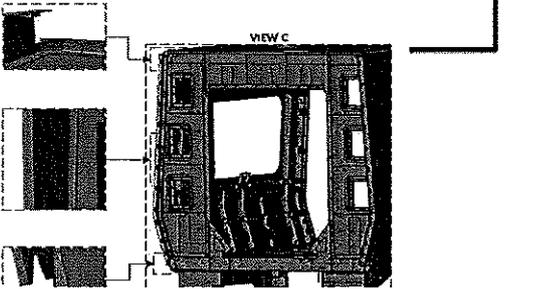
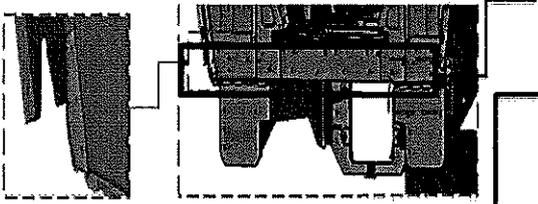
CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.
29
Date
06/11/2023

Project: PRASA
SI.CB1230.256.V28

END 2 SEALANT

AREA 1



H

OPERATOR
(Name & sign):

Leroy

OPERATOR
(Name & sign):

Leroy

OPERATOR
(Name & sign):

Leroy

Area D,E,F,G,H,I	LHS	RHS
Operator (Name & sign):	_____	_____
Operator (Name & sign):	Buhle (E) HT	Buhle (E) HT
Operator (Name & sign):		
Operator (Name & sign):	Sihle (D,E,F) HT	Tshenolo (b,e) HT
Operator (Name & sign):		
Operator (Name & sign):	Tshenolo	Sihle

[Handwritten notes and signatures in a box]



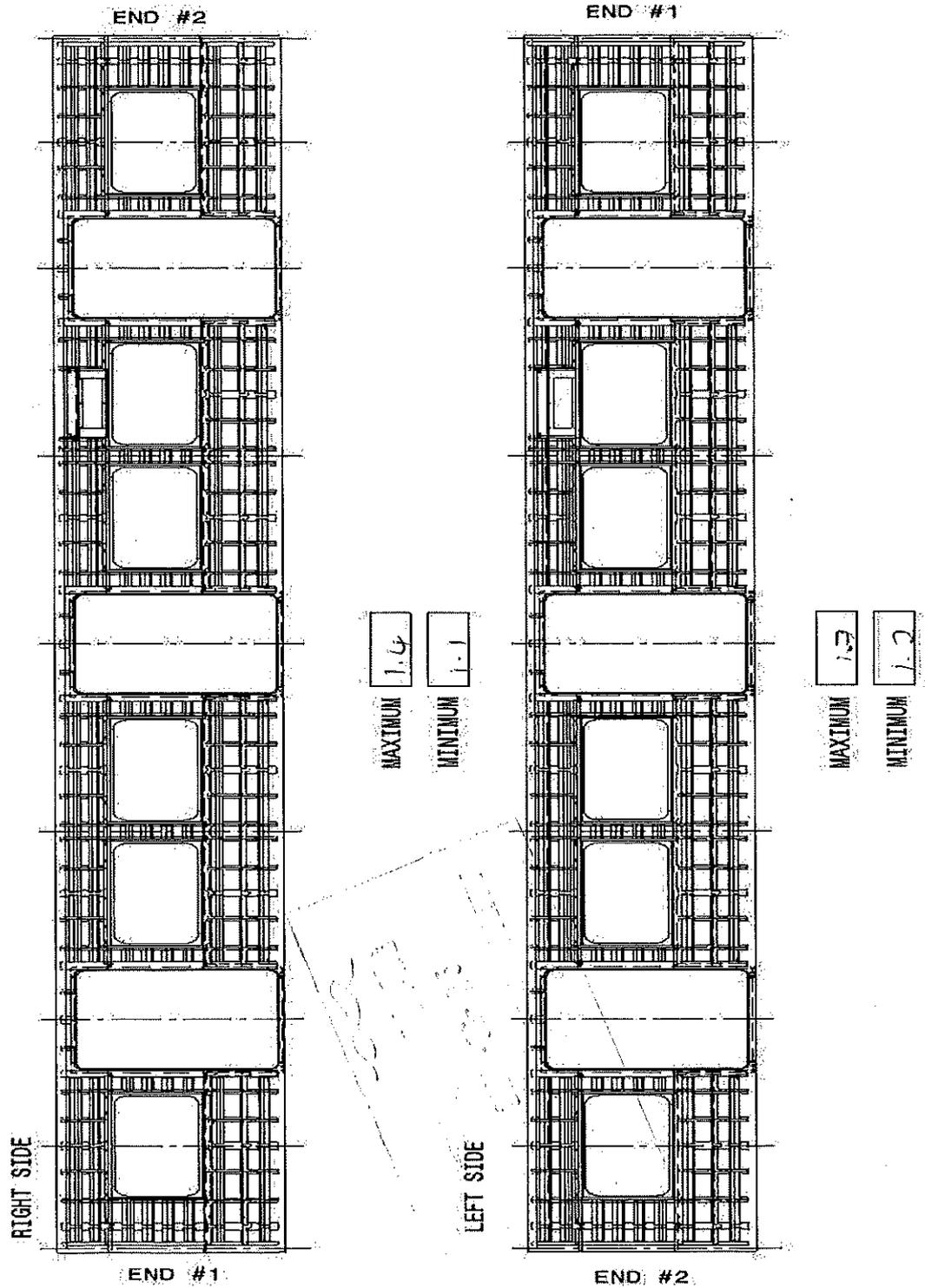
CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

Rev.
29
Date
06/11/2023

Project: PRASA
SI.CB1230.256.V28

Specifications of Details for CBS measurement CB1230

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





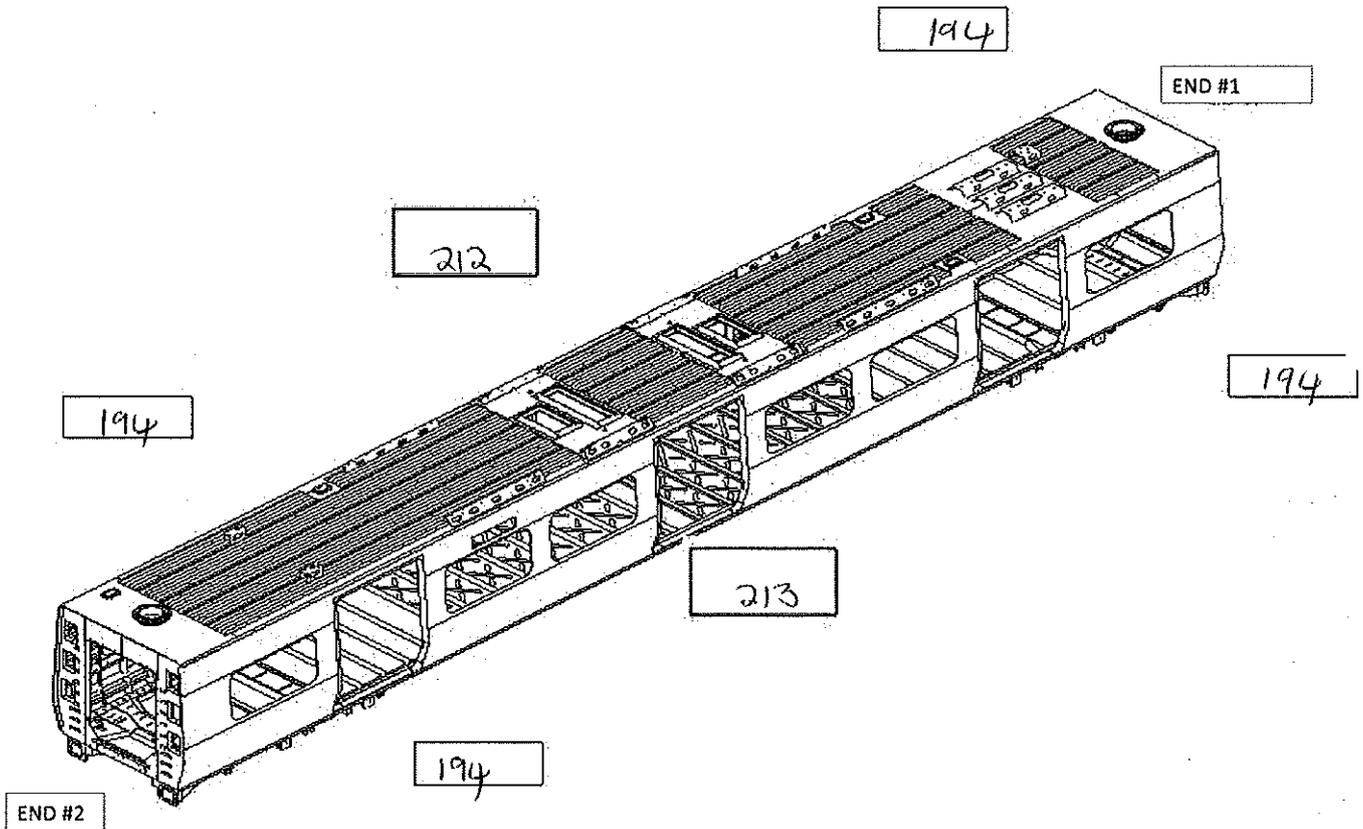
CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

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

06/11/2023
 07:00:00
 07:00:00



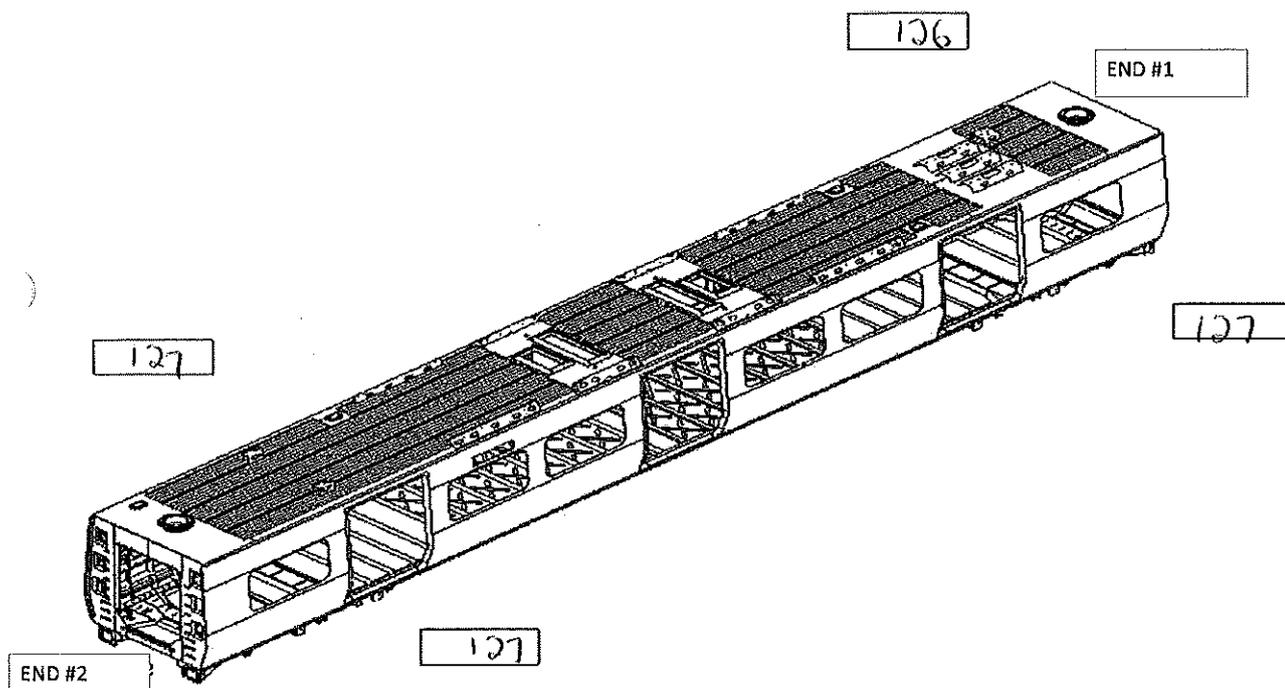
CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000226487

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
LONGITUDIN

TWIST FOUND ON END 2

TRANVERSE
LONGITUDINAL

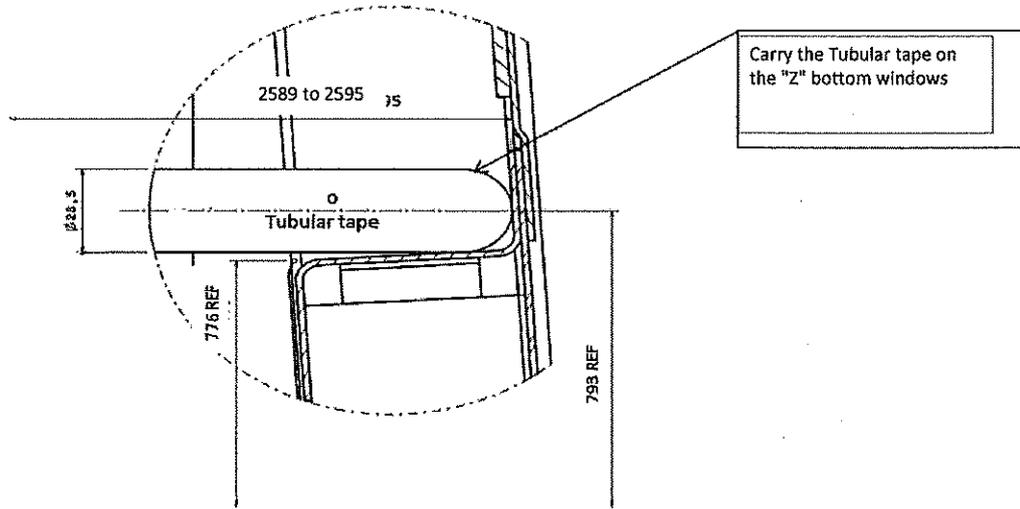


CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000225487

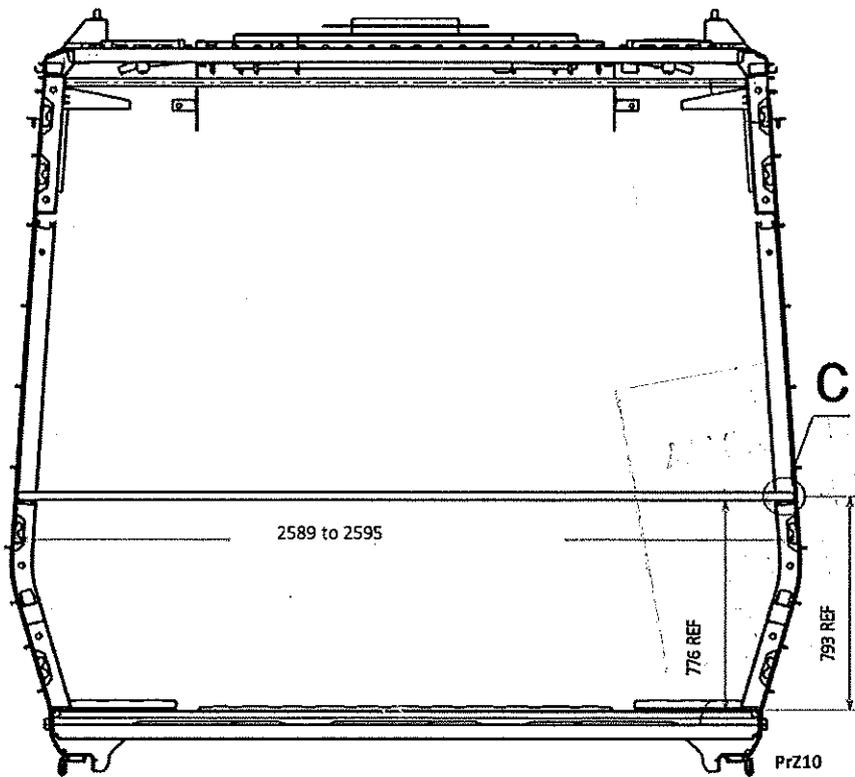
Rev.
29
Date
06/11/2023

Project: PRASA
SI.CB1230.256.V28

Specifications of Details for CBS measurement CB1230



Detail C



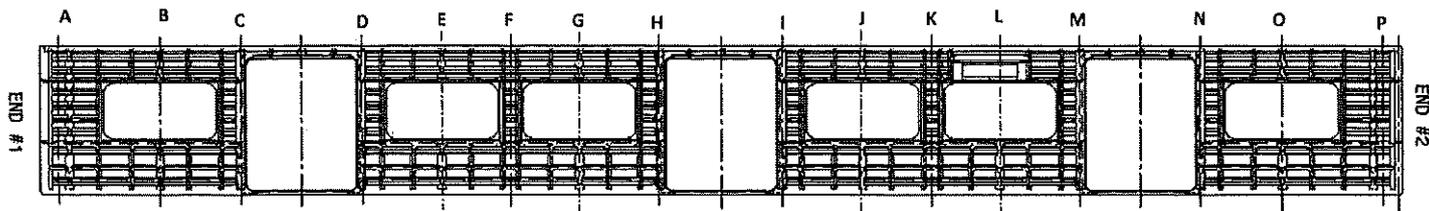


CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000226487

Rev. 29
Date 06/11/2023

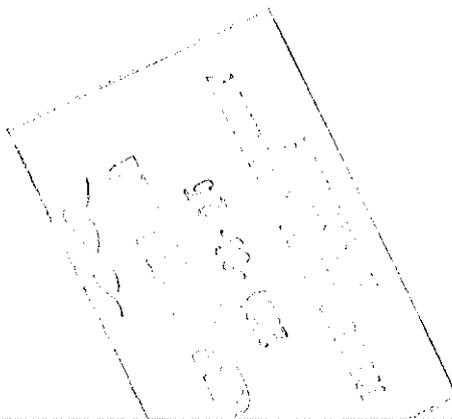
Project: PRASA
SI.CB1230.256.V28

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	2597
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 *Chen*
Welder: Emmanuel *Emmanuel*



CARBODYSHELL M1,M3,M4 ASSEMBLY
DT00000226487

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 m m a t h a p e l o 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	
	NO GO	There are activities pending 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	

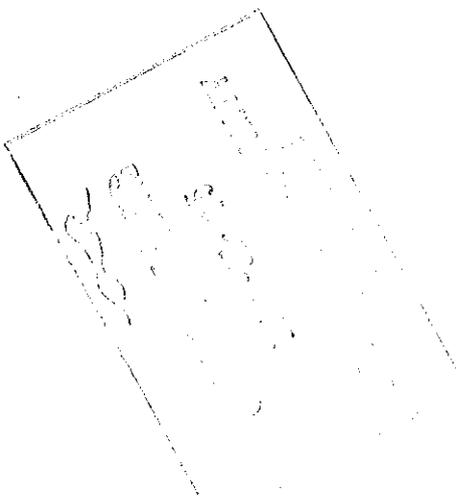
In case of "NO GO", describe blocking problems

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
Date
06/11/2023

Project: PRASA
SI.CB1230.256.V28

ANNEXURE A: Arc Welding Quality Acceptance Standard

