

APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

# SELF INSPECTION SHEET

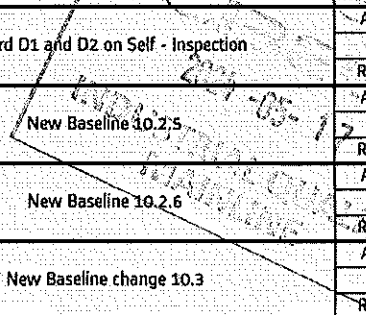
**CONFIDENTIAL INFORMATION**

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

**APPLICATION REFERENCE**

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY?
				TCL	ME	ME	ME	ME	TCL		
DTR30223319/3	AAD0001241033	Carshell Assembly TC	CB1210	X					X	PRA.CB1210.DTR3022331 9/3.V25	YES

REV	DATE	MODIFICATION CONTENT	RESPONSIBLE	NAME	DATE
0	09/04/2018	GIBELA NEW CREATION	APPROVER	Itumeleng Modiba	09/04/2018
			CHECKER	Nosizo Pindela	09/04/2018
			COMPILER	Thanyani Mathegu	06/04/2018
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	2018/06/18	MODIFICATION CONTENT	APPROVER	Itumeleng Modiba	2018/06/18
			CHECKER	Nosizo Pindela	2018/06/18
			REVISED BY	Ramokone Motama	2018/06/18
3	2018/12/12	Additional checkpoints	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	2019/11/03	Record D1 and D2 on Self - Inspection	APPROVER	Itumeleng Modiba	2019/11/03
			CHECKER	Nosizo Pindela	2019/11/03
			REVISED BY	Nosizo Pindela	2019/11/03
10	21/08/2019	New Baseline 10.2.5	APPROVER	Itumeleng Modiba	21/08/2019
			CHECKER	Nosizo Pindela	21/08/2019
			REVISED BY	Nosizo Pindela	21/08/2019
15	06/08/2020	New Baseline 10.2.6	APPROVER	Timothy Maimela	06/08/2020
			CHECKER	Bongane Masina	06/08/2020
			REVISED BY	Bongane Masina	06/08/2020
20	19/04/2020	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	21/02/2022	New Baseline change 10.3.1	APPROVER	Mbhombi Collins	21/02/2022
			CHECKER	Andani Muthelo	21/02/2022
			REVISED BY	Andani Muthelo	21/02/2022
26	14/04/2023	Addition of welding consumable traceability	APPROVER	Ntuli Vanessa	14/04/2023
			CHECKER	Mohlampe Amogelang	14/04/2023
			REVISED BY	Mohlampe Amogelang	14/04/2023
27	27/07/2023	Added verification of loaded parts	APPROVER	Ngobeni Tyson	27/07/2023
			CHECKER	Mathapo Kelebone	27/07/2023
			REVISED BY	Mohlampe Amogelang	27/07/2023
28	07/11/2023	Addition of welding traceability	APPROVER	Ngobeni Tyson	07/11/2023
			CHECKER	Andani Muthelo	07/11/2023
			REVISED BY	Ntokozo Zwane	07/11/2023



TRAINSET	CAR	OPERATOR NAME & ALPS NUMBER	DATE	SELF INSPECTION NUMBER	PAGES
223	TCL	lucanone HB299	15/04/24	SI.CB1210.322.V28	16



DTR30223319/3 Carshell Assembly TC

Rev. V28  
Date- 07/11/2023

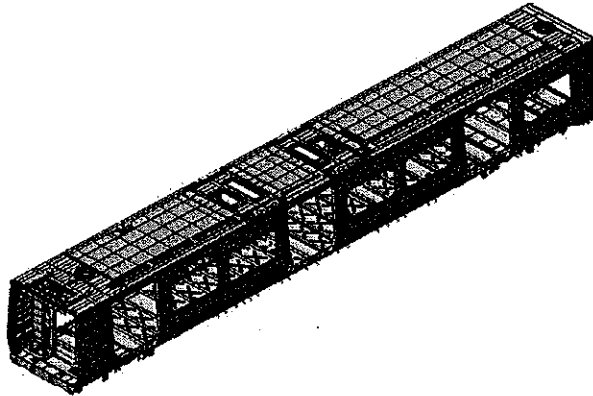
Project: PRASA  
SI.CB1210.322.V28

Car: TC1 & TC2

RCR:

Work station:

CB1210



### I - Documentation and Instruments

#### I.1 - Documentation Control

Document	Type of car						Revision	Observation	M	Signature/Date (Manufacturing)	Signature/Date (Quality)
	Q	2	3	4	5	6					
DTR30223319/3	✓						V28			N/A	W. Lopez 15/04/24

#### I.2 - Instruments Control

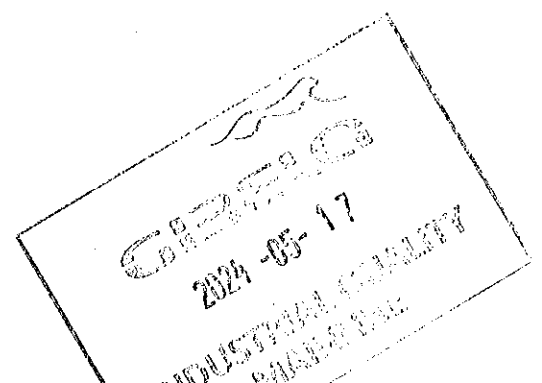
Monitoring and Measuring Instrument Control - Used for Special Process

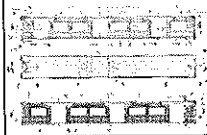

Instruments	Validation	Calibration or Verification Validation Date	M	Signature/Date (Manufacturing)	Signature/Date (Quality)
LAZER TAPE	125425921	01/04/24	L	W. Lopez 15/04/24	W. Lopez 15/04/24
30 Mireta TAPE	GIBTP0049	24/11/23	L	W. Lopez 15/04/24	W. Lopez 15/04/24
TUBULAR	32823-2	15/03/24	L	W. Lopez 15/04/24	W. Lopez 15/04/24


#### I.3 Consumables

Welding Consumable Control - Used for Special Process

Filler Material	Roll Number	Welding Process	M	Signature/Date (Manufacturing)	Signature/Date (Quality)
EK 308 LSI	314018-74097	MIG	L	W. Lopez 15/04/24	W. Lopez 15/04/24
ER 308 L	299687-70322	TIG	L	W. Lopez 15/04/24	W. Lopez 15/04/24
ER 309 LSI	316285-73957	MIG	L	W. Lopez 15/04/24	W. Lopez 15/04/24



GIBELQ		DTR30223319/3 Carshell Assembly TC		Rev. V28	Project: PRASA		
				Date- 07/11/2023	SI.CB1210.322.V28		
Item	Picture/Drawing	Description	Acceptance or Rejection / Record			Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Verification of correct parts loaded (Sidewalls, Endframes, Roof and Underframe)	DT00000284980	✓		J. J. J. 15/04/24	15/04/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality.	DTD0000210675	✓		J. J. J. 15/04/24	15/04/24
03		Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓		J. J. J. 15/04/24	15/04/24
04	REFER TO ANNEXURE A	Spot Welding inspected and approved according procedure	IND-SAL-WMS-016 • DTD0000210675	✓		J. J. J. 15/04/24	15/04/24
05	REFER TO ANNEXURE B	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓		J. J. J. 15/04/24	15/04/24
06		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓		J. J. J. 15/04/24	15/04/24
07	N/A	Perform visual inspection of welds in 100% of the project. Run by penetrant testing in electric arc welding (weld ring) as IND-SAL-WMS-018.	As the welding procedure IND-SAL-WMS-018 and DTD0000210658	✓		J. J. J. 15/04/24	15/04/24

  
 2024-07-17  
 INDUSTRIAL PROPERTY  
 MARKING



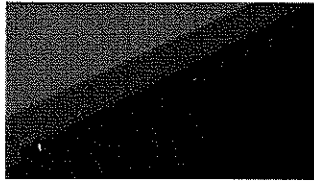
DTR30223319/3 Carshell Assembly TC

Rev. V28  
Date- 07/11/2023

Project: PRASA  
SI.CB1210.322.V28

Welder traceability

Roof ring welds



Boiler maker (Name & Sign): LUNGA [Signature] <sup>LHS</sup> Welder (Name & Sign): Mthokozisi [Signature]

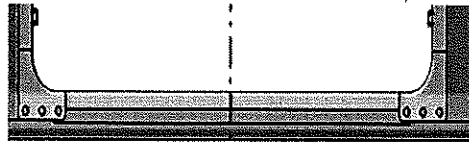
END 1

Boiler maker (Name & Sign): Mabisi [Signature] <sup>RHS</sup> Welder (Name & Sign): Mthokozisi [Signature]

Boiler maker (Name & Sign): LUNGA [Signature] <sup>LHS</sup> Welder (Name & Sign): Mthokozisi [Signature]

END 2

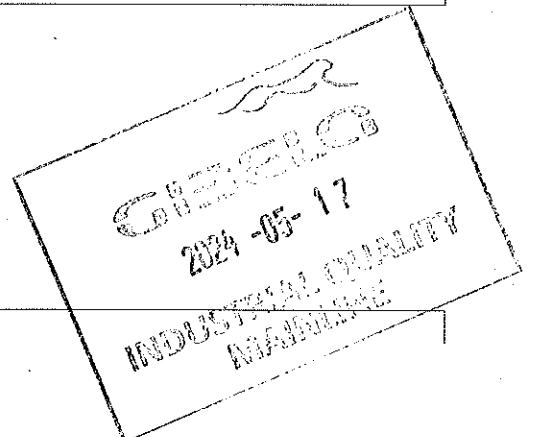
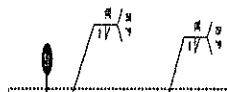
Boiler maker (Name & Sign): Mabisi [Signature] <sup>RHS</sup> Welder (Name & Sign): Mthokozisi [Signature]

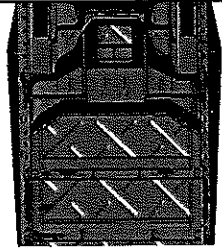


<sup>LHS</sup>  
Boiler maker (Name & Sign): Tumelo [Signature]  
Welder (Name & Sign): Sibisi [Signature]

<sup>RHS</sup>  
Boiler maker (Name & Sign): Tumelo [Signature]  
Welder (Name & Sign): Sibisi [Signature]

EUf Reinforcement Plates





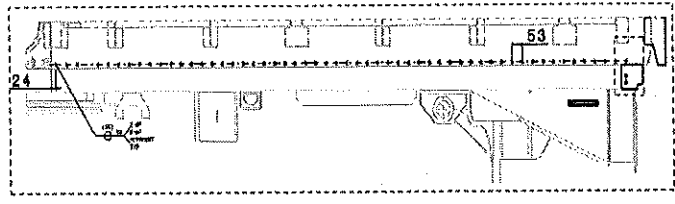
Underneath the CAI



**END 2**

Boiler maker (Name & Sign): F. M. S. S. S.

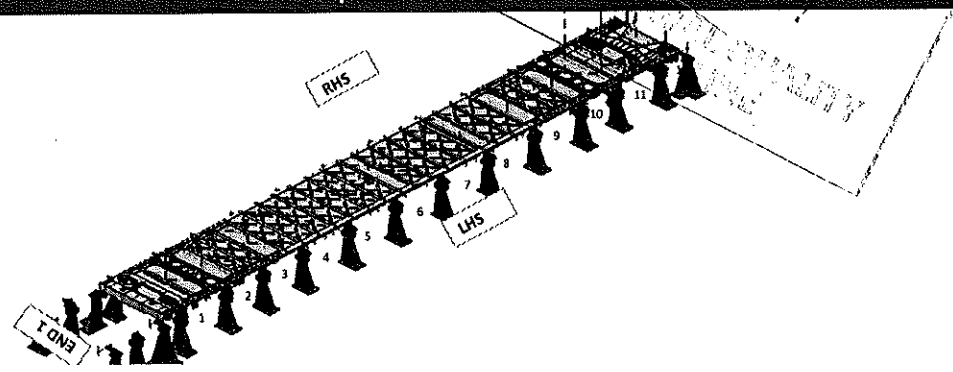
Welder (Name & Sign): Thabang [Signature]




**FEDOLI**

Operator: Lawrence [Signature]

**Specifications of Details for CBS measurement**



	DTR30223319/3 Carshell Assembly TC	Rev. V28	Project: PRASA SI, CB1210.322.V28
		Date- 07/11/2023	

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

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

After Loading Underframe and Clamping.

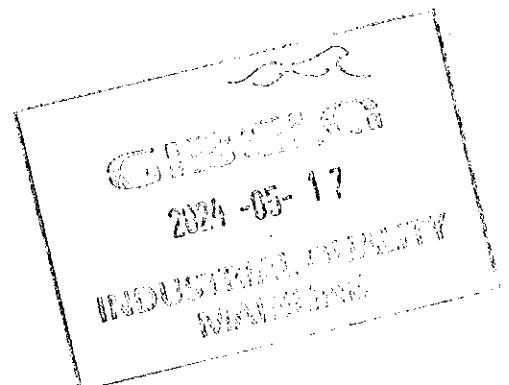
	1	2	3	4	5	6	7	8	9	10	11	12
Left Hand Side				NA								
Right Hand Side												

Signature Operations: *[Signature]* Date: 15/04/24

After Welding.

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

Signature Industrial Quality: *[Signature]* Date: 13/04/24



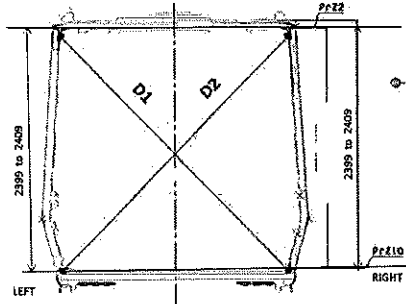
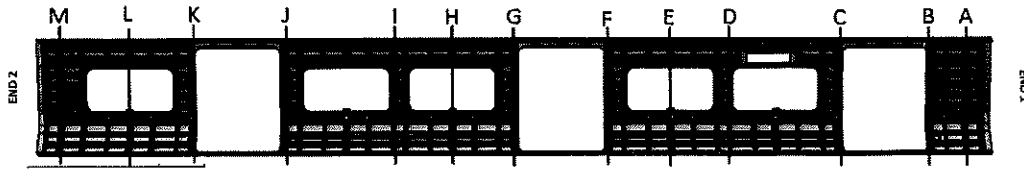


DTR30223319/3 Carshell Assembly TC

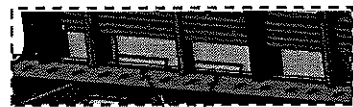
Rev. V28  
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Project: PRASA  
SI.CB1210.322.V28

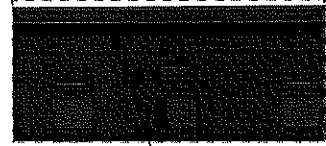
### Specifications of Details for CBS measurement



Measurement positions on roof and at corner



Measurement positions on roof and at corner



Reinforcement as a measurement positions on roof reinforcement area

2023-07-11  
GIBELA  
INDUSTRIAL QUALITY  
MANAGEMENT



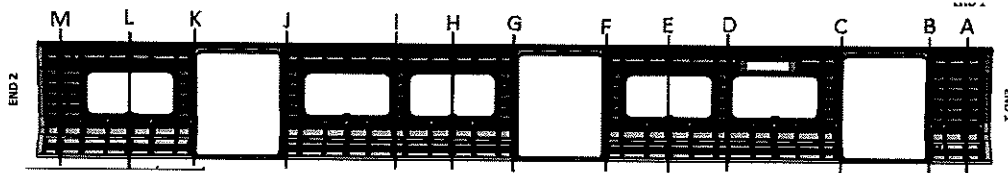
DTR30223319/3 Carshell Assembly TC

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Project: PRASA  
SI.CB1210.322.V28

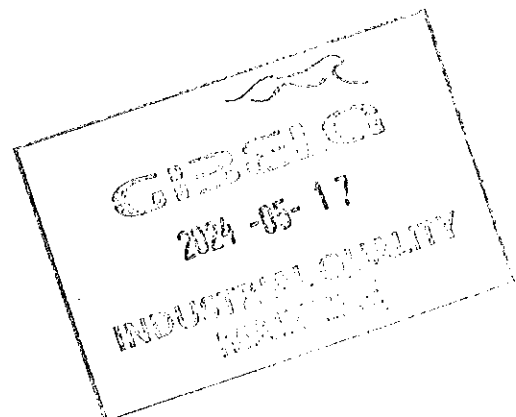
Specifications of Details for CBS measurement

BEFORE WELDING



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

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





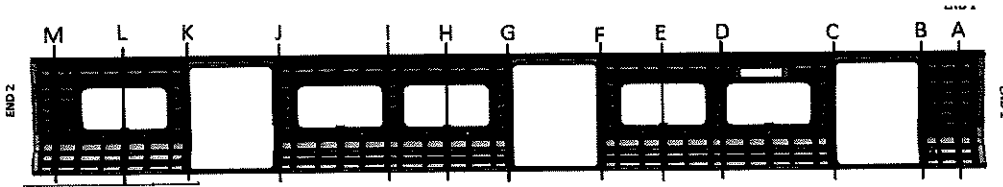
DTR30223319/3 Carshell Assembly TC

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SI.CB1210.322.V28

Specifications of Details for CBS measurement

AFTER WELDING



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

	Record D1 values	Record D2 values	D1-D2 $\leq 5$ mm	2399 to 2409	2399 to 2409 (RHS)	LHS-RHS $\leq 2$
A	3266	3265	1	2404	2405	1
B	3294	3296	2	2405	2405	0
C	3292	3294	2	2406	2404	2
D	3267	3267	0	2406	2404	2
E	3266	3267	1	2405	2404	1
F	3298	3298	0	2406	2406	0
G	3297	3298	1	2404	2404	0
H	3267	3266	1	2405	2404	1
I	3266	3267	1	2404	2404	0
J	3296	3296	0	2404	2405	1
K	3297	3297	0	2404	2404	0
L	3268	3268	2	2406	2406	0
M	3294	3294	0	2405	2405	0

2023-07-17  
 INDUSTRIAL DESIGN  
 RAJESH K. S.



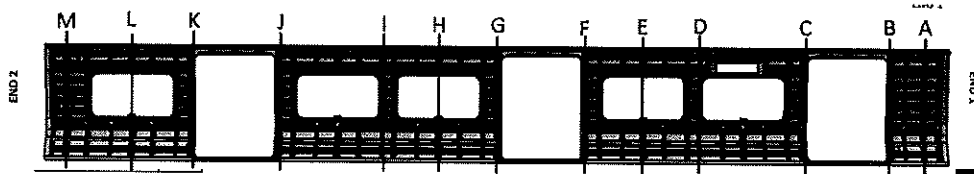
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Project: PRASA  
SI.CB1210.322.V28

**CBS measurement**

**BEFORE WELDING**



2270 to 2276

2268 a 2274

A: 2272

B: 2270

C: 2274

D: 2273

E: 2274

F: 2276

G: 2270

H: 2272

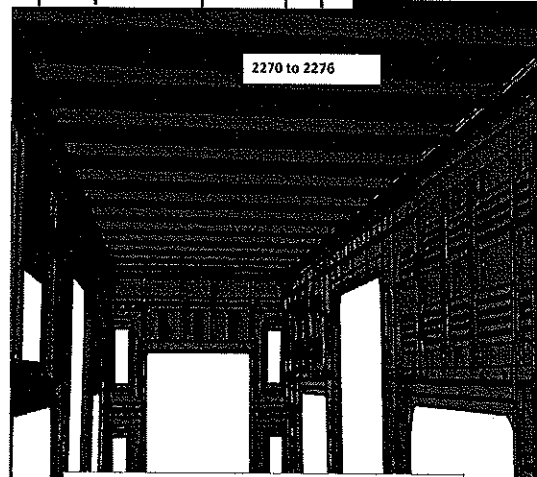
I: 2273

J: 2272

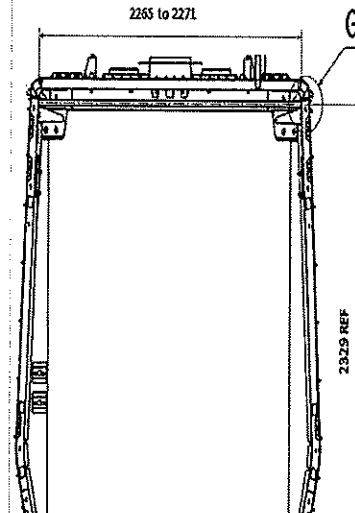
K: 2270

L: 2274

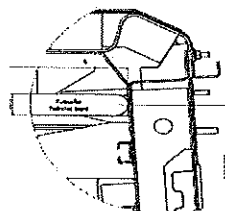
M: 2273



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



2265 to 2271

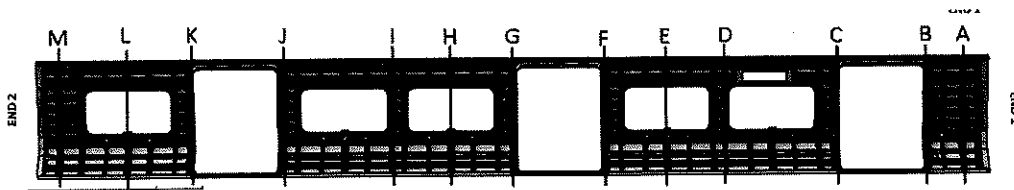


Detail G  
Considering reinforcement zee

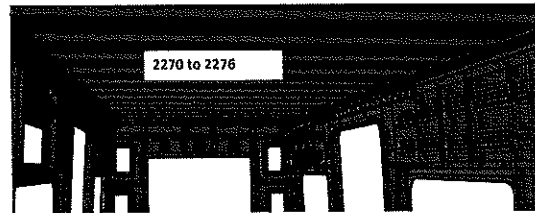
**GIBELO**  
2024-05-17  
INDUSTRIAL OUP  
MANLINE

Specifications of Details for CBS measurement

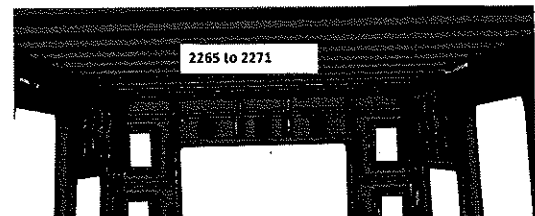
AFTER WELDING



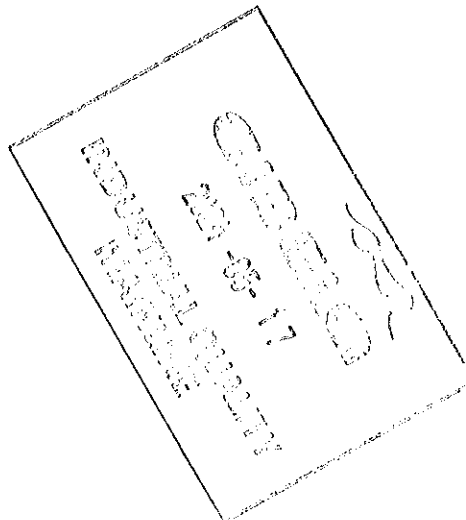
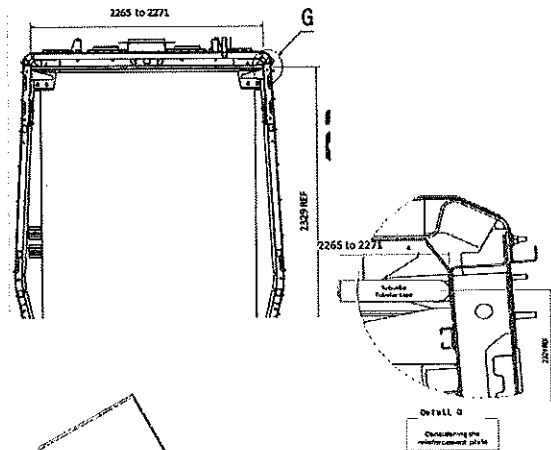
	2265 to 2271	2270 to 2276
A	N/A	2272
B	2268	N/A
C	2270	N/A
D	N/A	2273
E	N/A	2274
F	2271	N/A
G	2266	N/A
H	N/A	2272
I	N/A	2273
J	2268	N/A
K	2266	N/A
L	N/A	2274
M	2269	N/A



2270 to 2276  
Do not consider reinforcement ( Take measurements top area of zee profile)

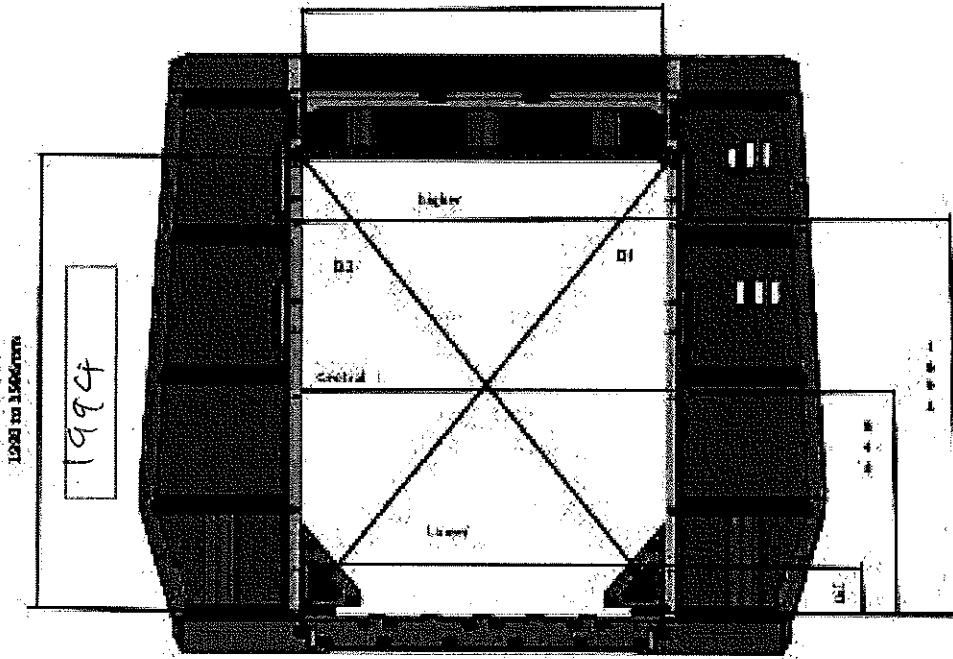


2265 to 2271  
Take measurement close to radius ( considering reinforcement)



**Specifications of Details for CBS measurement**

Endframe 2



1180 ± 1mm min

DIAGONAL DIFFERENCE D1-D2 ≤ 3mm

Higher Dimension	1380
Central Dimension	1381
Lower Dimension	1380

D1	2415
D2	2414
D1-D2	1

**GIBELO**  
2024-05-17  
INDUSTRIAL QUALITY  
MACHINE

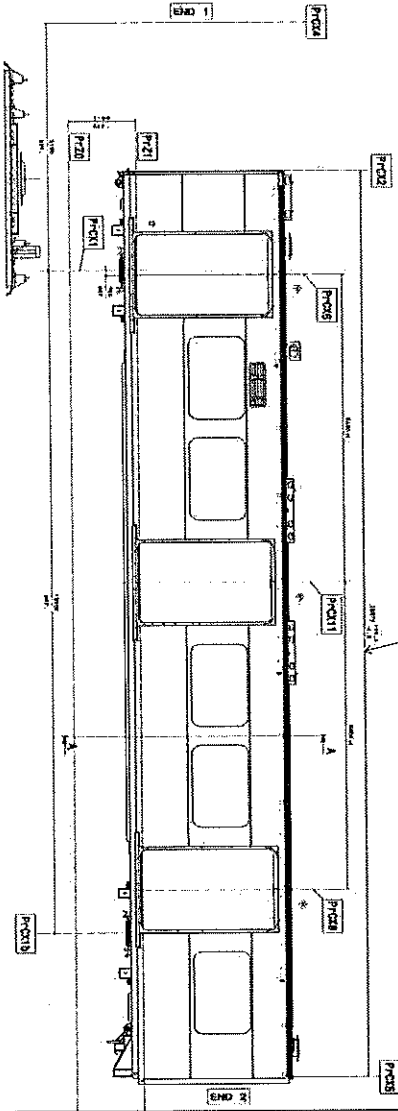


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Specifications of Details for CRS measurement



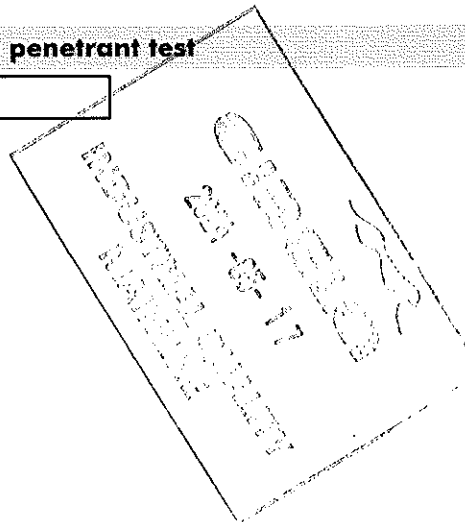
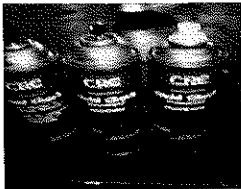
1A

LEFT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	18870 $\begin{matrix} +10.5 \\ -4.5 \end{matrix}$	18876


RIGHT SIDE		
	SPECIFICATION SIZE	ACTUAL SIZE
1A	18870 $\begin{matrix} +10.5 \\ -4.5 \end{matrix}$	18876

Dye penetrant test

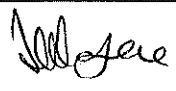

Dye-penetration test to be performed by quality personnel





	DTR30223319/3 Carshell Assembly TC	Rev. V28	Project: PRASA
		Date- 07/11/2023	SI.CB1210.322.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	<p>If activities are not complete, the missing activities must not impact the next stage!</p>	15/04/20	Lawrance	
	<p>Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.</p>	15/04/20	Richmond	
	<p>There are activities pending that impact/stop the activities of the next process Obs: (To describe problems below)</p>			
	<p>There are non-conformities impact the quality of the product and there is no corrective action defined yet)</p>			

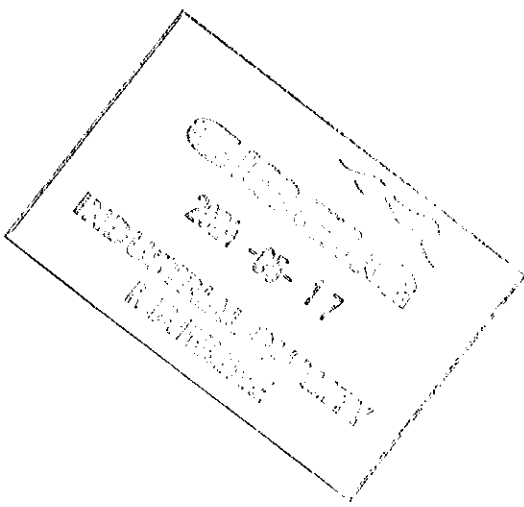
In case of "NO GO", describe blocking problems


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

Item	Description	Action	Responsible	Due date	Status

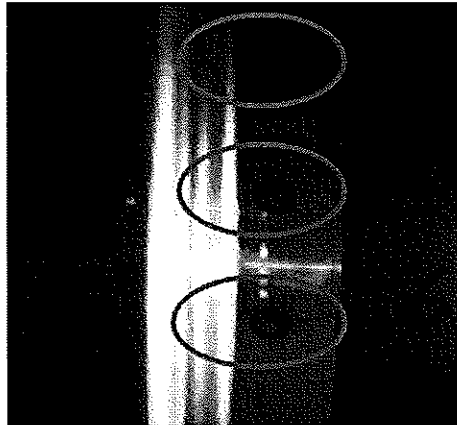
Operations

Quality



	DTR30223319/3 Carshell Assembly TC	Rev. V28	Project: PRASA
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**ANNEXURE A: Spot Welding Quality Acceptance Standard**



GIBELA

PRASA PROJECT



APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

# SELF INSPECTION SHEET

**CONFIDENTIAL INFORMATION**  
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**APPLICATION REFERENCE**

MOUNTING	DRAWING	DESCRIPTION	STATION	CARTYPE						WORK IDENTIFICATION	SAFETY	
				TC	PC	ML	MC	MR	TC			
DTRK0213319/2	AD0001141003	Carshell Assembly TC	CB1230	X						X	PRA:CB1220.DTR0229 319/2.V20	YES

REV	DATE	MODIFICATION CONTENT	RESPONSIBLE	NAME	DATE
0	09/04/2018	GIBELA NEW CREATION	APPROVER	Ibumeleng Modiba	09/04/2018
			CHECKER	Nosizo Pindela	09/04/2018
			COMPILER	Thanyani Mathegu	06/04/2018
1	23/05/2018	Team leader and Quality Technician to sign final signature from PME Manager to Quality manager	APPROVER	Ibumeleng Modiba	23/05/2018
			CHECKER	Nosizo Pindela	23/05/2018
			REVISED BY	Ramokone Motama	23/05/2018
2	05/07/2018	Certain dimensional checks added and others moved to CB1210 and CB1230	APPROVER	Ibumeleng Modiba	05/07/2018
			CHECKER	Nosizo Pindela	05/07/2018
			COMPILER	Ramabane Motama	05/07/2018
3	2018/06/12	Certain dimensional checks added and others moved to CB1210 and CB1230	APPROVER	Ibumeleng Modiba	2018/06/12
			CHECKER	Nosizo Pindela	2018/06/12
			COMPILER	Ramabane Motama	2018/06/12
5	24/01/2019	As per Baseline 10.2	APPROVER	Ibumeleng Modiba	24/01/2019
			CHECKER	Nosizo Pindela	24/01/2019
			COMPILER	Vanessa Ntuli	24/01/2019
6	13/03/2019	Added D1 and D2 on Self - Inspection length measurements	APPROVER	Ibumeleng Modiba	13/03/2019
			CHECKER	Nosizo Pindela	13/03/2019
			COMPILER	Nosizo Pindela	13/03/2019
7	20/05/2019	Removed roof width	APPROVER	Ibumeleng Modiba	20/05/2019
			CHECKER	Nosizo Pindela	20/05/2019
			REVISED BY	Nosizo Pindela	20/05/2019
10	22/08/2019	New Baseline 10.2.5	APPROVER	Ibumeleng 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 Mamele	06/08/2020
			CHECKER	Bongane Masina	06/08/2020
			REVISED BY	Bongane Masina	06/08/2020
20	19/04/2021	New Baseline 10.2.6	APPROVER	Timothy Mamele	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	Mulaudzi Mpho	17/08/2021
			REVISED BY	Mulaudzi Mpho	17/08/2021
25	20/02/2022	New Baseline 10.2.6	APPROVER	Mbhombi Collins	20/02/2022
			CHECKER	Andani Muthelo	20/02/2022
			REVISED BY	Andani Muthelo	20/02/2022
26	14/06/2022	Update minimum temperature requirement for sealant application	APPROVER	Mbhombi Collins	14/06/2022
			CHECKER	Andani Muthelo	14/06/2022
			REVISED BY	Andani Muthelo	14/06/2022
27	17/10/2022	Addition of traceability for sealant application and welding.	APPROVER	Mbhombi Collins	17/10/2022
			CHECKER	Ntokozo Zwane	17/10/2022
			REVISED BY	Amogelang Mholampe	17/10/2022
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 Mholampe	14/04/2023
29	28/10/2023	Addition of bracket quantity	APPROVER	Rgobeni Tyson	28/10/2023
			CHECKER	Mathapo Kelebone	28/10/2023
			REVISED BY	Amogelang Mholampe	28/10/2023

3  
QUALITY

TRAINSET	ZAR	OPERATOR NAME & ALC NUMBER	DATE	SELF INSPECTION NUMBER	PAGES
223	Tc1	Tefelo	16/04/24	SI.CB1220.323.V29	17



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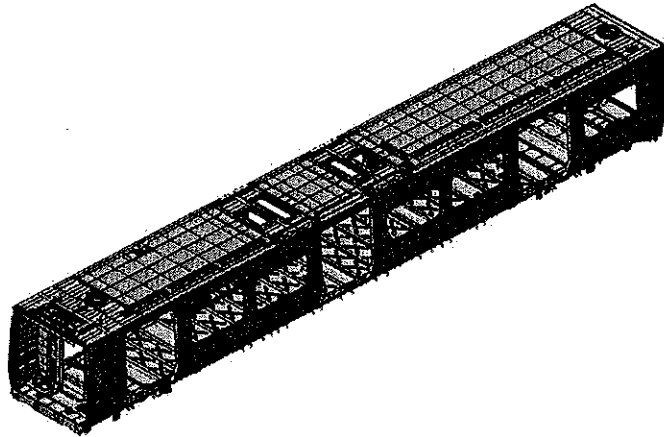
Carro TC1, TC2  
Car: TC1, TC2

NCR:

Work station: CB1220



Safety Related



### I - Documentation and Instruments

#### 1.1 - Documentation Control

Document	Type of car					Revision	Observation		Signature/Date (Manufacturing)	Signature/Date (Quality)
	TC1	TC2	TC3	TC4	TC5					
DTR30223319/2	✓					29	16/04/24	✓	N/A	16/04/24

#### 1.2 - Instruments Control

##### Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Validation	Calibration or Verification Validation Date		Signature/Date (Manufacturing)	Signature/Date (Quality)
Measuring - Tape	0107/1030	16/05/2024	✓	16/04/24	16/04/24
Turbular	22113	03/08/2024	✓	16/04/24	16/04/24

#### 1.3 Consumables

##### Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process		Signature/Date (Manufacturing)	Signature/Date (Quality)
Welding wire	E231067	MIG welding	✓	16/04/24	16/04/24

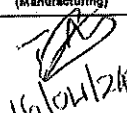
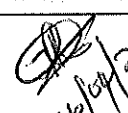

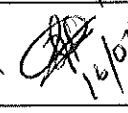




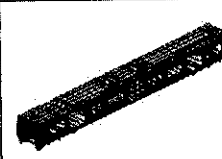
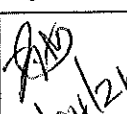

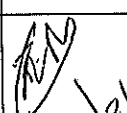
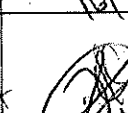
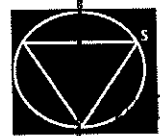
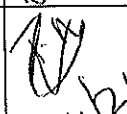
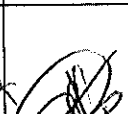

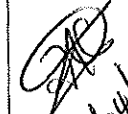
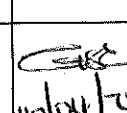
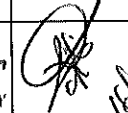





2024 -04- 13

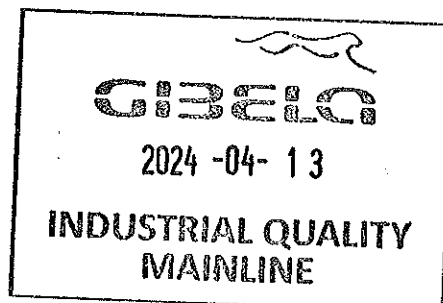
INDUSTRIAL QUALITY  
MAINLINE

**II - Control Activities of Production**

**II.1 - Items to check**

Item	Picture/Drawing	Description	Acceptance criteria / Record			Signature/Date (Manufacturing)	Signature/Date (Quality)
01	N/A	Assembly according to Instruction Engineering n° PRA.CB1220.DTR30225487/2 Verification of fitment for all reinforcement brackets.	DTR30223319/2	✓		 16/04/24	 16/04/24
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality.	DTD0000210675	✓		 16/04/24	 16/04/24
03	REFER TO ANNEXURE A	Spot Welding inspected and approved according procedure	IND-SAL-WMS-016 e DTD0000210675	✓		 16/04/24	 16/04/24
04	REFER TO ANNEXURE B	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 REFER TO GIB - TYPDEF - ARC - 0000	✓		 16/04/24	 16/04/24
05		Cleaning of all Stainless Steel Surface	According TO GIB-WEL - PROC-0002	✓		 16/04/24	 16/04/24
06	N/A	Functionals dimensions approved according drawing or complementary document approved by Alchim engineering and registered in this document.	Approved according specified on pages below.	✓		 16/04/24	 16/04/24
07		Perform visual inspection of welds 100% of the project. Run by penetrant testing in electric arc welding (welding) as IND-SAL-WMS-018. Run by penetral testing welds (welding) and fillet sampling as described in DTD0000210658.	As the welding procedure IND-SAL-WMS-018 and DTD0000210658	✓		 16/04/24	 14/04/24
08	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:	Sealant Batch No: <u>NR 7008</u> Exp Date: <u>09/06/24</u>  Actuals Temperature: <u>20°C</u> Humidity: <u>30%</u>	✓		 16/04/24	 16/04/24
09	NA	Verification of sealant application in certain regions in the drawing.	AAD0001241033	✓		 16/04/24	 16/04/24

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10	NA	Verification of sealant application on the roof and sidewall finishers	Sealant must be: -Applied straight and even (1.5mm) -Free of gaps,cracks,damage and debris (flashes, dirt, dust)  Refer to Annexure B	✓			 16/01/24	 16/01/24





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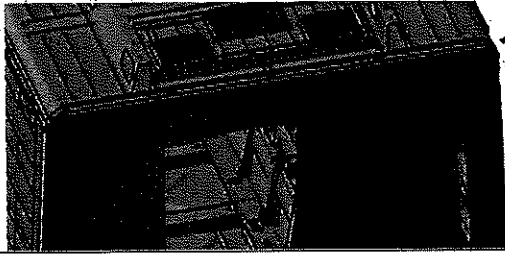
29

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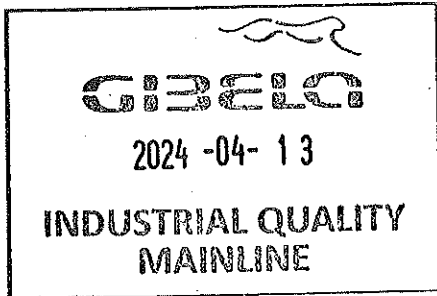
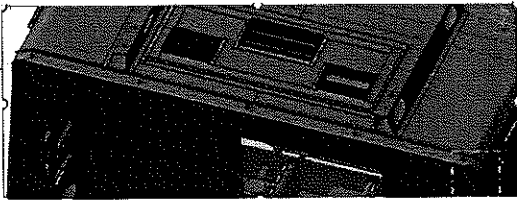
END 1 SEALANT

OPERATOR  
(Name & sign):

Ruscilla

OPERATOR  
(Name & sign):

Ruscilla



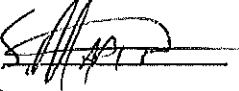
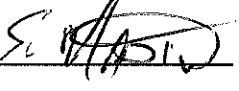
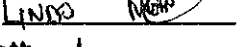

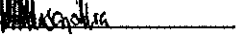
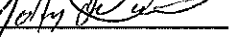




A B RHS C D E

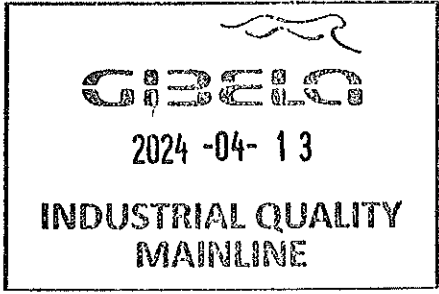


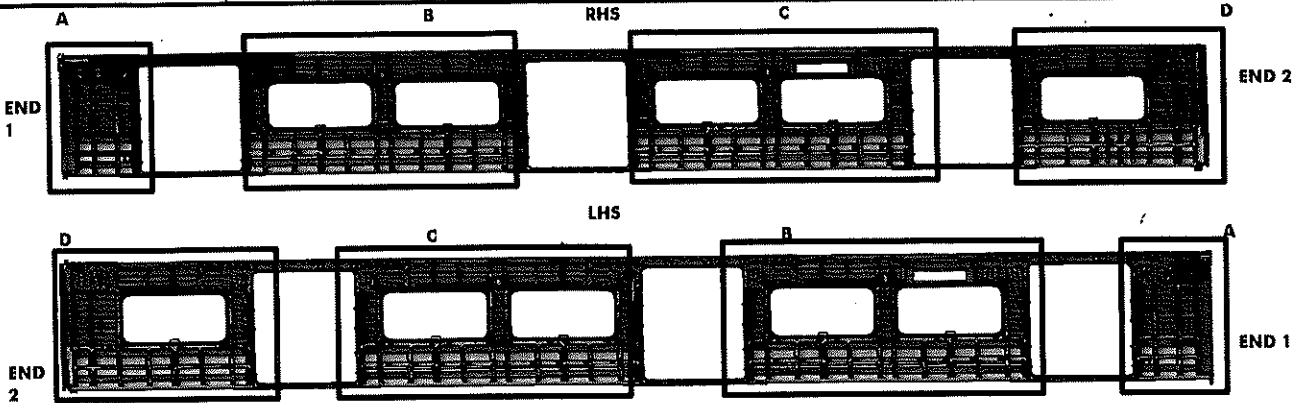
E D LHS C B A



**REINFORCEMENT WELDING**

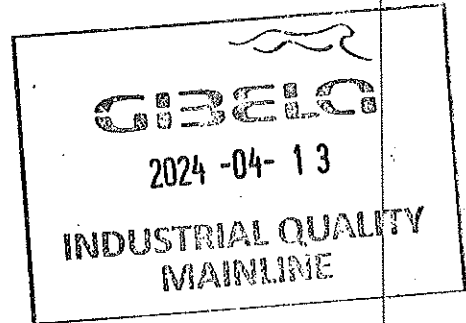
AREA	LHS	RHS
A	Operator (Name&sign): 	
B	Operator (Name&sign): 	
C	Operator (Name&sign): 	
D	Operator (Name&sign): 	
E	Operator (Name&sign): 	






**BRACKETING**

C-RAILS:	Operator:	INSTALLATION <u>Tetele</u>
	Operator:	_____
DOOR MECHANISMS:	Operator:	<u>Priscilla</u>
	Operator:	_____
TAPPING PADS	Operator:	<u>Sibiga</u>
	Operator:	_____
		INSTALLATION & VERIFICATION
SEAT & LUGGAGE BRACKETS:	Operator:	<u>Mthoko</u>
	Operator:	_____
SEAT BRACKETS VERIFICATION:	Operator:	<u>Mthoko</u>
	Operator:	_____




AREA		WELDING	
		LHS	RHS
A	(Seat brackets)	Operator (Name&sign):	<u>N/A</u>
	(C-rails, Luggage and earth bushes)	Operator (Name&sign):	<u>S. Mthoko</u>
B	(Seat brackets)	Operator (Name&sign):	<u>LINDO</u>
	(C-rails, Luggage and earth bushes)	Operator (Name&sign):	<u>LINDO</u>
C	(Seat brackets)	Operator (Name&sign):	<u>LINDO / MASINJO</u>
	(C-rails, Luggage and earth bushes)	Operator (Name&sign):	<u>LINDO</u>
D	(Seat brackets)	Operator (Name&sign):	<u>[Signature]</u>
	(C-rails, Luggage and earth bushes)	Operator (Name&sign):	<u>[Signature]</u>

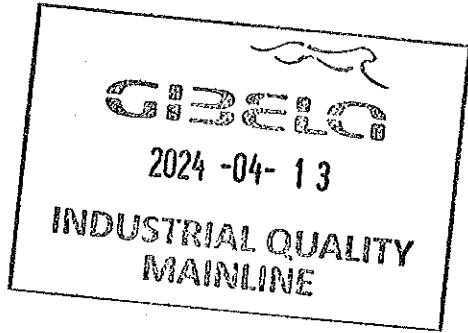
RHS	
Operator (Name&sign):	<u>N/A</u>
Operator (Name&sign):	<u>S. Mthoko</u>
Operator (Name&sign):	<u>J. S. Mthoko</u>
Operator (Name&sign):	<u>MASINJO</u>
Operator (Name&sign):	<u>[Signature]</u>
Operator (Name&sign):	<u>MASINJO</u>
Operator (Name&sign):	<u>Mthoko</u>

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ENDS

END 0 TAPPING PADS WELDING: Operator (Name&sign): Silbing 

END 1 TAPPING PADS WELDING: Operator (Name&sign): N/A



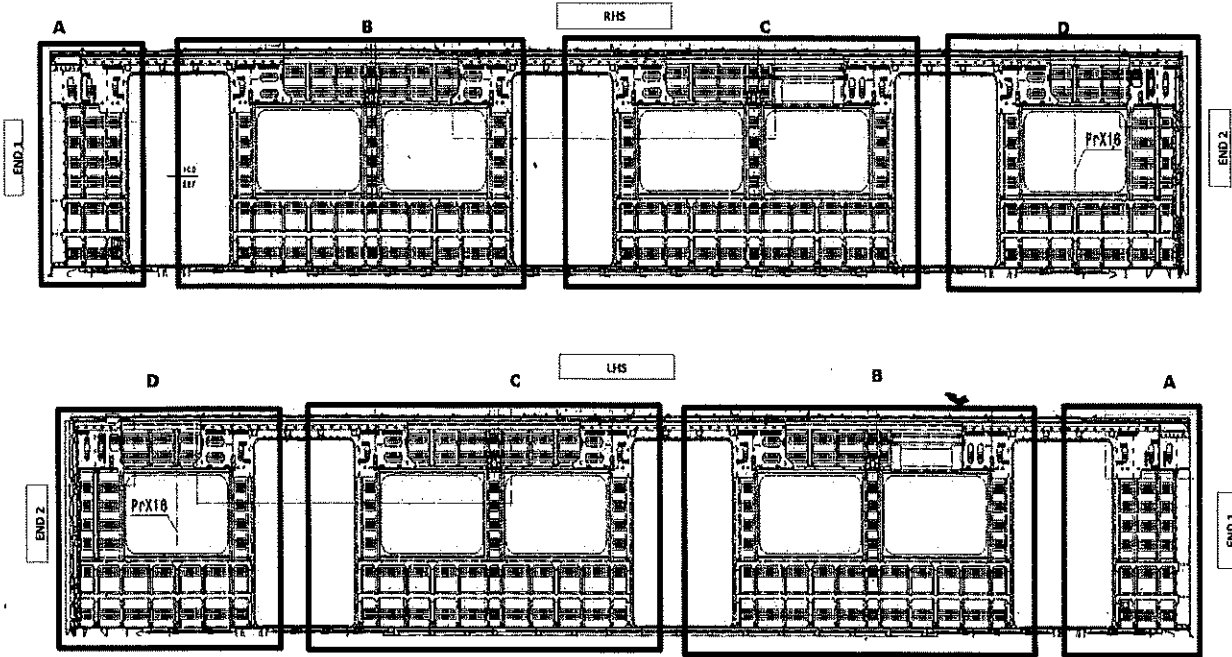


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TC BRACKET INSTALLATION



QUANTITIES (TC)

RHS

	SECTION	QUANTITY	OK	NOK
C-RAILS	A	4	✓	
	B	4	✓	
	C	8	✓	
	D	12	✓	
SEAT BRACKETS	A	0	✓	
	B	21	✓	
	C	21	✓	
	D	13	✓	
EARTH BUSH	A	1	✓	
	B	4	✓	
	C	5	✓	
	D	4	✓	

ROOF ENDS:  
 CRAILS 2 OFF END 2  
 EARTH BUSH 4 OFF END 2

VERIFICATION BY: Tetelo

LHS

	SECTION	QUANTITY	OK	NOK
C-RAILS	A	4	✓	
	B	8	✓	
	C	4	✓	
	D	8	✓	
SEAT BRACKETS	A	0	✓	
	B	21	✓	
	C	21	✓	
	D	13	✓	
EARTH BUSH	A	1	✓	
	B	4	✓	
	C	4	✓	
	D	2	✓	

ROOF ENDS:  
 CRAILS 2 OFF END 2  
 EARTH BUSH 4 OFF END 2

VERIFICATION BY: Tetelo

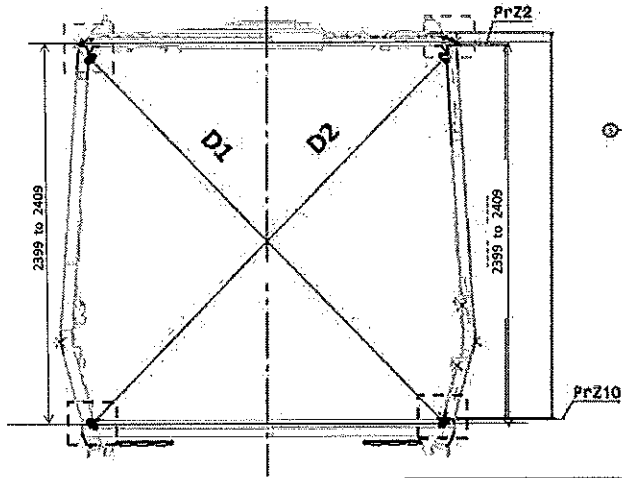
**GIBELO**  
 2024-04-13  
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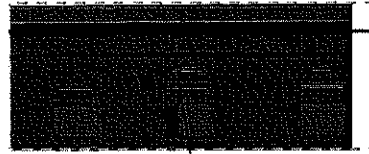
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Take measurement close to radius



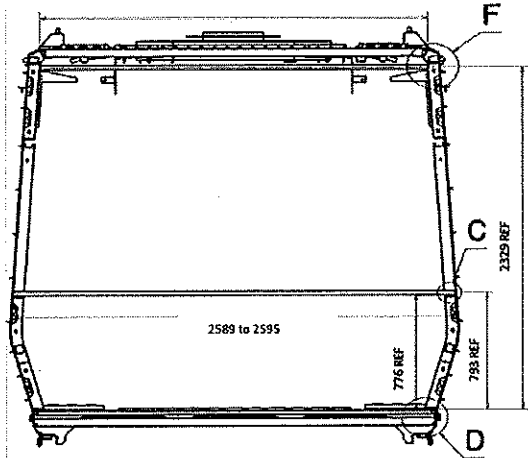
Measurement positions on roof rail and sidewall omega corner



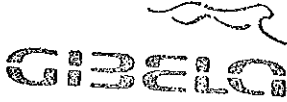
Reinforcement area measurement positions on roof reinforcement area



Measurement positions on sidewall and side sill corner



Take measurement close to radius

  
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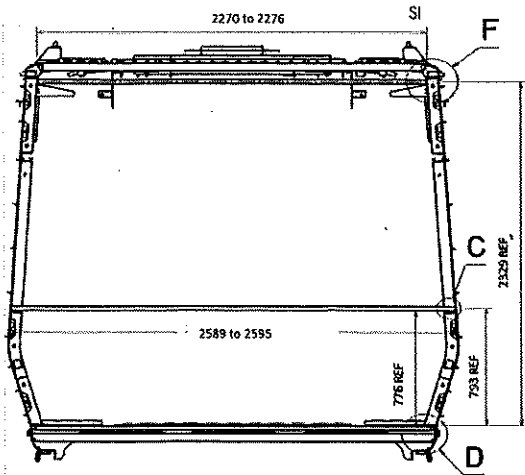
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29

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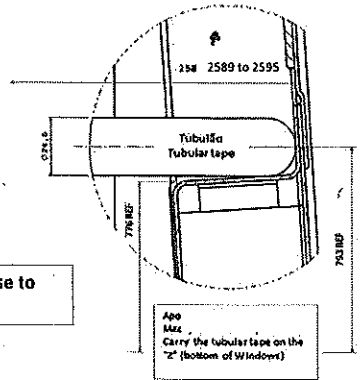
Date-

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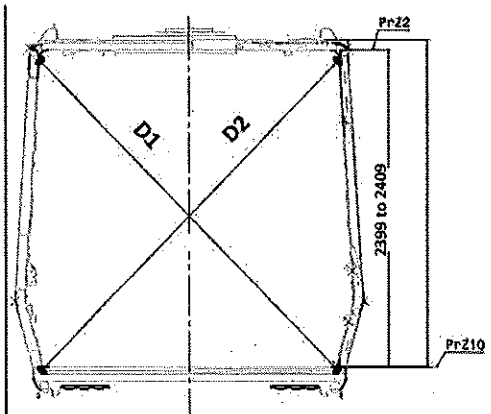
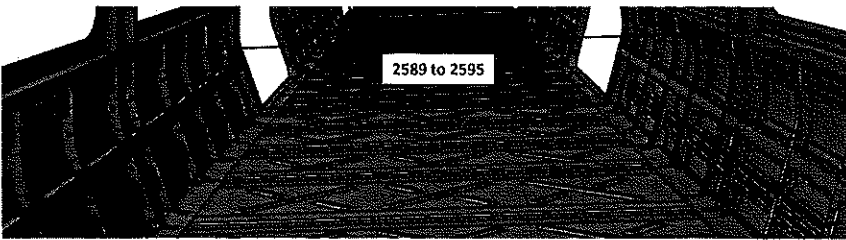
28/10/2023



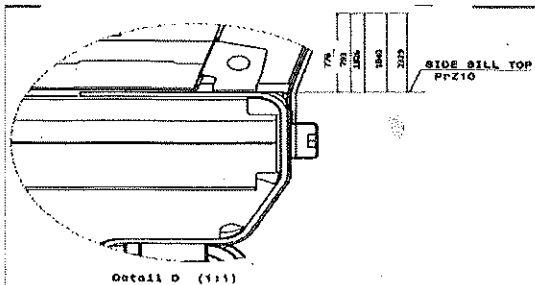
Take measurement close to radius



Detail C



GIBELO  
2024-04-13  
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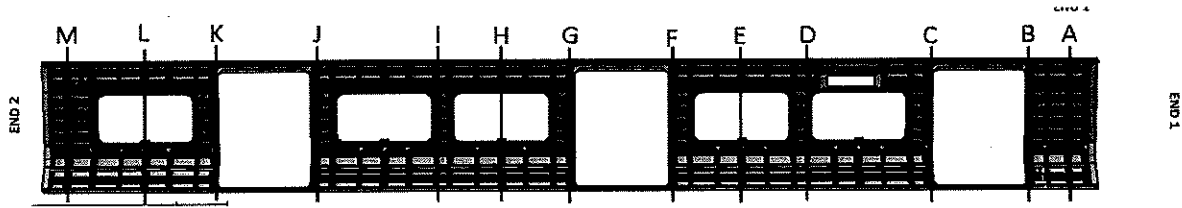
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**BEFORE WELDING**

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3265	3267	2	
B	3299	3297	2	
C	3300	3297	3	
D	3266	3269	3	
E	3267	3269	2	
F	3300	3297	3	
G	3298	3296	2	
H	3266	3268	2	
I	3267	3269	2	
J	3299	3300	1	
K	3297	3299	2	
L	3267	3269	2	
M	3298	3296	2	

N/A

2024-04-13

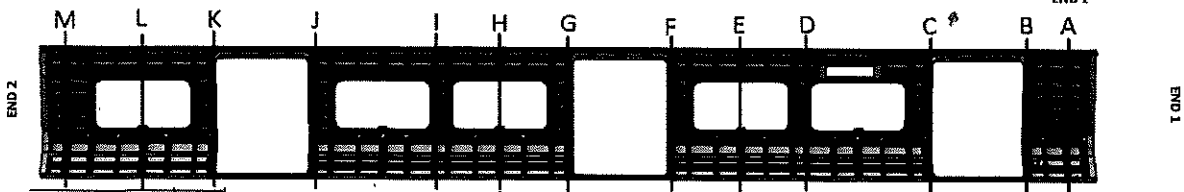
INDUSTRIAL QUALITY  
MAINLINE



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28/10/2023

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**AFTER WELDING**

	Record D1 values	Record D2 values	D1-D2 ≤ 5mm	2589 to 2595
A	3267	3269	2	2590
B	3298	3296	2	2591
C	3296	3298	2	2589
D	3265	3268	3	2592
E	3267	3268	1	2591
F	3297	3300	3	2592
G	3299	3297	2	2593
H	3266	3268	2	2591
I	3268	3266	2	2592
J	3297	3299	2	2591
K	3299	3300	1	2590
L	3269	3266	3	2591
M	3300	3297	3	2592





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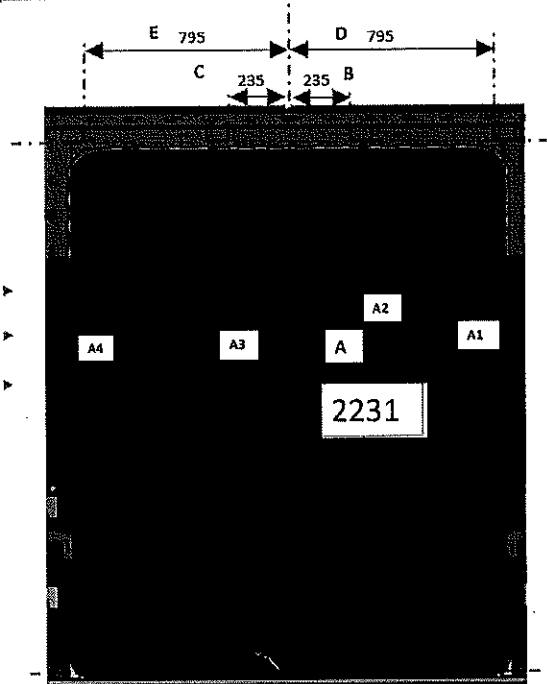
Project: PRASA

Date-

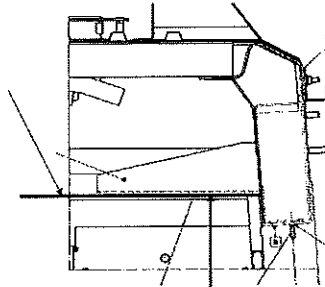
SI.CB1220.323.V29

28/10/2023

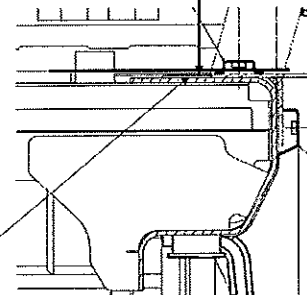
Specifications of Details for CBS measurement



Brackets Carbodyshell  
U Type Supports



Brackets Carbodyshell  
Channel Assy



DOOR 1 - LHS

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

DOOR 3 - LHS

	VALUE	ACTUAL
A1	2230 to 2232	2231
A2	2230 to 2232	2230
A3	2230 to 2232	2231
A4	2230 to 2232	2232
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	2231
A2	2230 to 2232	2231
A3	2230 to 2232	2231
A4	2230 to 2232	2232
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	2232
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 3 - RHS

	VALUE	ACTUAL
A1	2230 to 2232	2231
A2	2230 to 2232	2232
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



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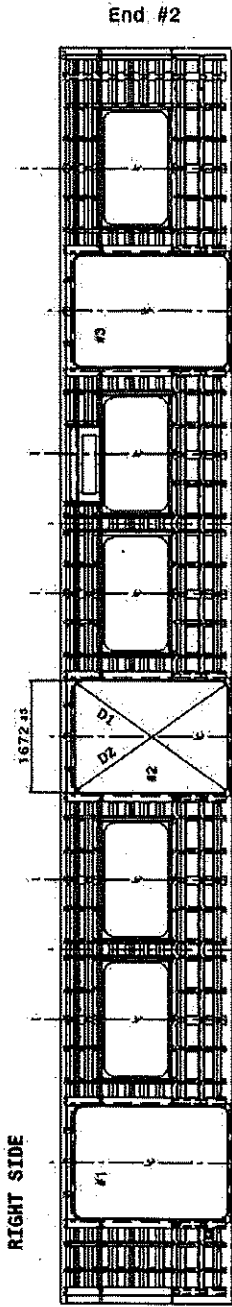


DTR30223319/2 Carshell Assembly TC

Rev. 29  
Data- 28/10/2023

Project: PRASA  
SI.CB1220.323.V29

Specifications of Details for CBS measurement



End #1

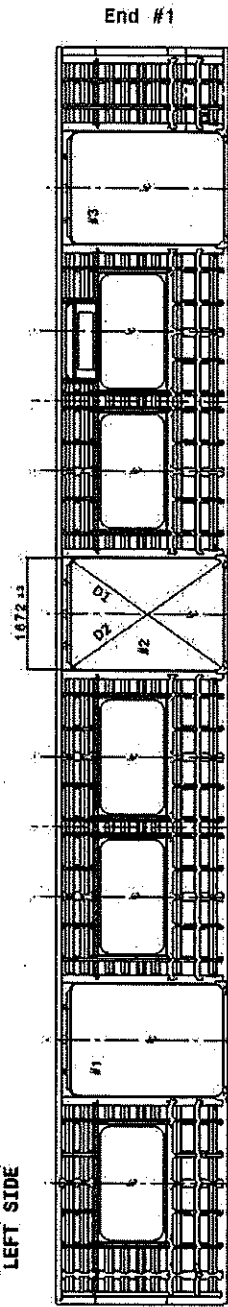
Doors diagonal D1-D2 maximum difference 5.4mm

	#1	#2	#3
D1	2750	2768	2779
D2	2752	2750	2751
D1-D2	7	7	1

Doors Length - 1672 ±3mm

	#1	#2	#3
HIGHER DIMENSION	1669	1675	1673
CENTRAL DIMENSION	1671	1672	1675
LOWER DIMENSION	1670	1673	1676

LEFT SIDE



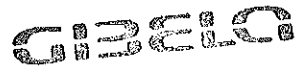
End #2

Diagonal da montac - diferença D1-D2 < 4mm

	#1	#2	#3
D1	2751	2769	2751
D2	2752	2752	2769
D1-D2	1	3	2


Vão de Portas - 1672 ±3mm

	#1	#2	#3
DIMENSÃO SUPERIOR	1671	1669	1673
HIGHER DIMENSION	1672	1670	1672
CENTRAL DIMENSION	1673	1671	1671
LOWER DIMENSION			



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	DTR30223319/2 Carshell Assembly TC	Rev. 29	Project: PRASA SI.CB1220.323.V29
		Date- 28/10/2023	

**Specifications of Details for CBS measurement**

**Dye penetrant test**

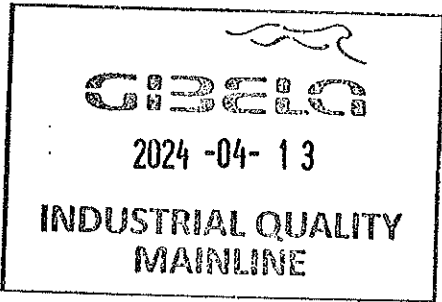
Dye-penetration test to be performed by quality personnel




Item	Description of the issue	Signature/Date (Manufacturing)	Signature/Date (Quality)



**II.2 - Check List REX**

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



	DTR30223319/2 Carshell Assembly TC	Rev. 29	Project: PRASA SI.CB1220.323.V29
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**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	<input checked="" type="checkbox"/>	If activities are not complete, the missing activities must not impact the next stage!	16/04/24	Tebelo Operations	
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	16/04/24	Amogebig Industrial Quality	
	<input type="checkbox"/>	There are activities pending that impact/stop the activities of the next process Obs: (To describe problems below)		Operations	
	<input type="checkbox"/>	There are non-conformities impact the quality of the product and there is no corrective action defined yet)		Industrial Quality	

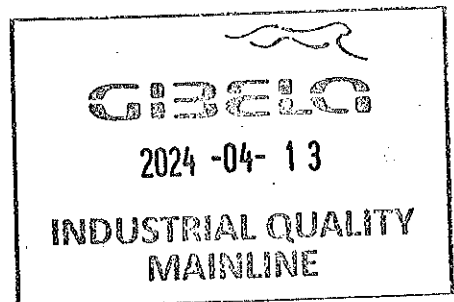
In case of "NO GO", describe blocking problems


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

Item	Description	Action	Responsible	Due date	Status

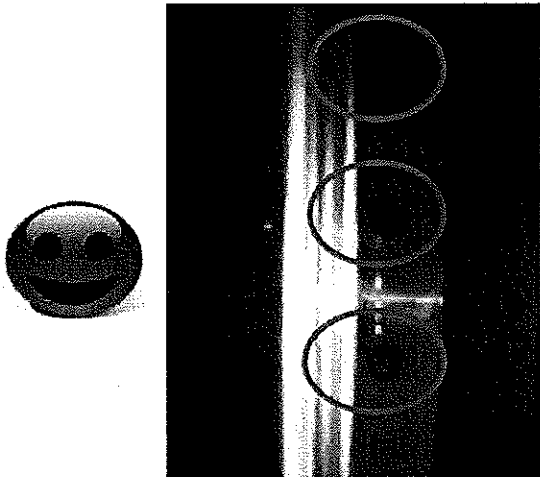
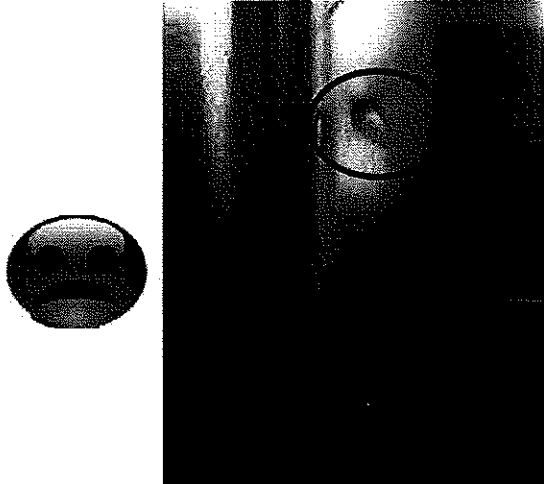
  
Operations

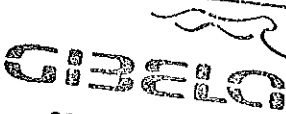
Quality

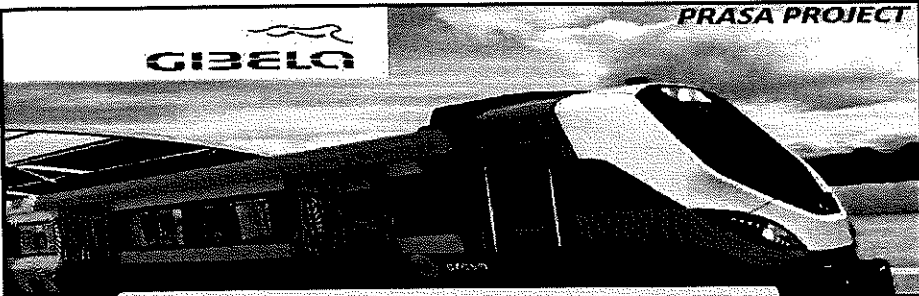


	DTR30223319/2 Carshell Assembly TC	Rev. 29	Project: PRASA SI.CB1220.323.V29
		Date- 28/10/2023	

**ANNEXURE A: Spot Welding Quality Acceptance Standard**



  
2024 -04- 13  
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APPLICABLE FOR TRAINSET 100+ ONLY AS PER BASELINE 10.3.1

# SELF INSPECTION SHEET

**CONFIDENTIAL INFORMATION**

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

**APPLICATION REFERENCE**

MOUNTING	DRAWING	DESCRIPTION	STATION	CAR TYPE							WORK INSTRUCTION	SAFETY
				TC	MC	AT	ME	MS	TD	TC		
										X		
DT0000023319	AA00001238963	DT0000023319 Carshell Assembly TC	CB1230	(X)							PRA.CB1230.DT0000012 23319.V20	YES

REV	DATE	MODIFICATION CONTENT	RESPONSIBLE	NAME	DATE
0	06/04/2018	GIBELA NEW CREATION	APPROVER	Itumeleng Modiba	09/04/2018
			CHECKER	Nosizo Pindela	09/04/2018
			COMPILER	Thanyani Mathegu	06/04/2018
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	05/07/2018	Certain dimensional checks moved to CB1220	APPROVER	Itumeleng Modiba	05/07/2018
			CHECKER	Nosizo Pindela	05/07/2018
			COMPILER	Ramokone Motama	05/07/2018
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
			COMPILER	Nosizo Pindela	13/03/2019
7	17/09/2019	Added Cab Fire Barrier Flatness Measurements	APPROVER	Itumeleng Modiba	17/09/2019
			CHECKER	Nosizo Pindela	17/09/2019
			COMPILER	Nosizo Pindela	17/09/2019
10	20/09/2019	New Baseline 10.2.5	APPROVER	Itumeleng Modiba	20/09/2019
			CHECKER	Nosizo Pindela	20/09/2019
			COMPILER	Nosizo Pindela	20/09/2019
15	28/01/2021	New Baseline 10.2.6	APPROVER	Timothy Maimela	28/01/2021
			CHECKER	Bongane Masina	28/01/2021
			COMPILER	Bongane Masina	28/01/2021
20	19/04/2021	New Baseline change 10.3	APPROVER	Timothy Maimela	19/04/2021
			CHECKER	Bongane Masina	19/04/2021
			COMPILER	Bongane Masina	19/04/2021
25	20/04/2022	New Baseline change 10.3.1	APPROVER	Collins Mhombhi	20/02/2022
			CHECKER	Andani Muthelo	20/02/2022
			COMPILER	Andani Muthelo	20/02/2022
26	14/06/2022	Update minimum temperature requirement for sealant application	APPROVER	Collins Mhombhi	14/06/2022
			CHECKER	Andani Muthelo	14/06/2022
			COMPILER	Andani Muthelo	14/06/2022
27	26/07/2022	Threshold measurements addition	APPROVER	Collins Mhombhi	26/07/2022
			CHECKER	Andani Muthelo	26/07/2022
			COMPILER	Andani Muthelo	26/07/2022
28	17/10/2022	Addition of traceability for sealant application	APPROVER	Collins Mhombhi	17/10/2022
			CHECKER	Ntokozo Zwane	17/10/2022
			COMPILER	Amogelang Mohlampe	17/10/2022
29	14/04/2023	Added sealant batch number & welding consumables traceability	APPROVER	Vanessa Ntuli	14/04/2023
			CHECKER	Ntokozo Zwane	14/04/2023
			COMPILER	Amogelang Mohlampe	14/04/2023
30	06/11/2023	Added traceability for thresholds for boiler makers and welders	APPROVER	Tyson Ngobeni	06/11/2023
			CHECKER	Andani Muthelo	06/11/2023
			COMPILER	Ntokozo Zwane	06/11/2023

2024-04-13

**INDUSTRIAL QUALITY MAINLINE**

TRAINSET	CAR	OPERATOR NAME & ALPS NUMBER	DATE	SELF INSPECTION NUMBER	PAGES
223	TCU	10000000000000000000 118300 CF	17/04/2024	SI.CB1230.324.V28	14



DT00000223319 Carshell Assembly TC

Rev. 30

Project: PRASA

Date-

06/11/2023

SI.CB1230.324.V29

Carro  
Car:

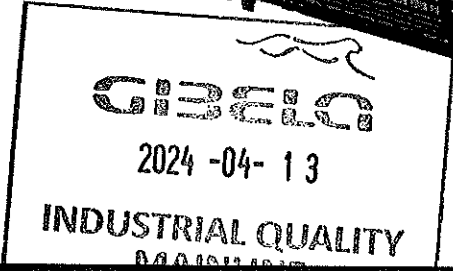
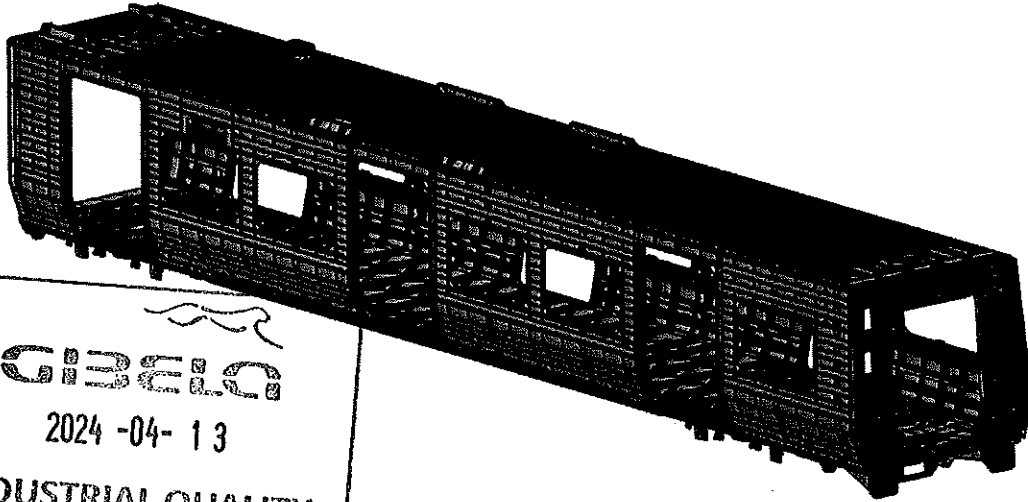
NCR:

Work station:

CB1230



Safety Related



I - Documentation and Instruments

I.1 - Documentation Control

Document	Type of car						Revision	Observation			Signature/Date (Operations)	Signature/Date (Quality)
	TC1	MT	M2	M3	M4	TC2						
DT00000223319	✓										N/A	17/04/24

I.2 - Instruments Control

Monitoring and Measuring Instrument Control - Used for Special Process

Instruments	Validation	Calibration or Verification Validation Date			Signature/Date (Operations)	Signature/Date (Quality)
Tubular	22816	2015/02/25	✓		17/04/24	17/04/24
measuring tape	GIB510396	2024/04/05	✓		17/04/24	17/04/24
Combination square	GIB50,0100	27/07/2024	✓		17/04/24	17/04/24

1.3 Consumables

Welding Consumable Control - Used for Special Process

Filler Material	Heat Number	Welding Process			Signature/Date (Manufacturing)	Signature/Date (Quality)
308	73097	TIG	✓		17/04/24	17/04/24
308	F23067	MIG	✓		17/04/24	17/04/24



DT00000223319 Carshell Assembly TC

Rev.  
30

Project: PRASA

Date-

SI.CB1230.324.V29

06/11/2023

**II - Control Activities of Production**

## II.1 - Items to check

Item	Picture/Drawing	Description	Acceptance criteria / Record				Signature/Date (Operations)	Signature/Date (Quality)						
01	N/A	Assembly according to Instruction Engineering n° DT00000223319	DT00000223319	✓			M. H. S. S. 17/04/24	[Signature] 17/04/24						
02	N/A	Carshell free of significant flaws which compromise the appearance or functionality.	DTD0000210675	✓			M. H. S. S. 17/04/24	[Signature] 17/04/24						
03	REFER TO ANNEXURE A	Arc Welding inspected and approved according procedure.	IND-SAL-WMS-016 DTD0000210675	✓			M. H. S. S. 17/04/24	[Signature] 17/04/24						
04	N/A	Functionals dimensions approved according drawing or complementary document approved by Alstom engineering and registered in this document.	Approved according specified on pages below.	✓			M. H. S. S. 17/04/24	[Signature] 17/04/24						
05	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	✓			M. H. S. S. 17/04/24	[Signature] 17/04/24						
06	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"> <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>26019135P</u> Exp Date: <u>18/5/2024</u>  Actuals Temperature: <u>17°C</u> Humidity: <u>68%</u>	✓			M. H. S. S. 17/04/24	[Signature] 17/04/2024
Temperature Min - Max (1)	Min-Max	10°C - 35°C												
Relative humidity Min - Max (1)	Min-Max	25% - 80%												
07	N/A	Verification of sealant application in regions of roof and sideframe finishers.	Sealant must be: -Applied straight and even (1.5mm) -Free of gaps, cracks, damage and debris (flashes, dirt, dust)  Refer to Annexure B	✓			M. H. S. S. 17/04/24	[Signature] 17/04/2024						

2024-04-13

INDUSTRIAL QUALITY  
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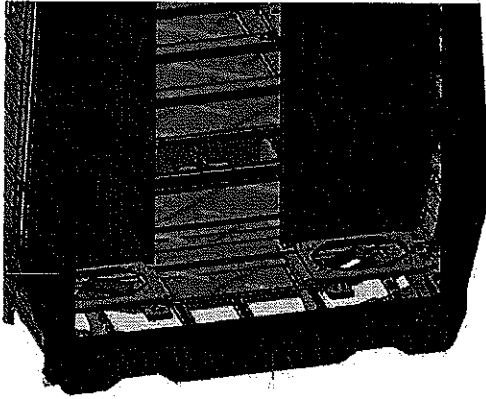


DT00000223319 Carshell Assembly TC

Rev. 30  
Date- 06/11/2023

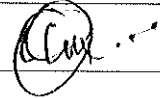
Project: PRASA  
SI.CB1230.324.V29

VIEW A

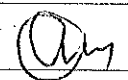


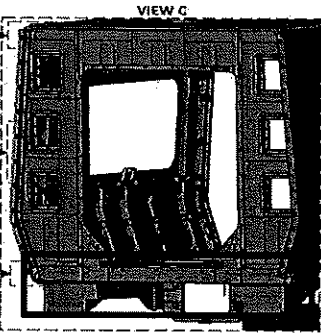
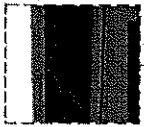
**END 1  
SEALANT**

OPERATOR  
(Name & sign):

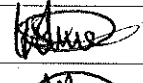
Lerato 

OPERATOR  
(Name & sign):

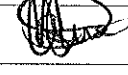
Mphahla 



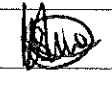
OPERATOR  
(Name&sign):

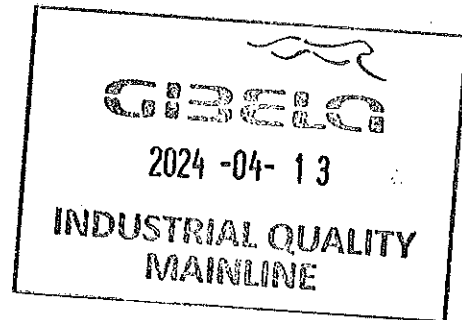
Leroy 

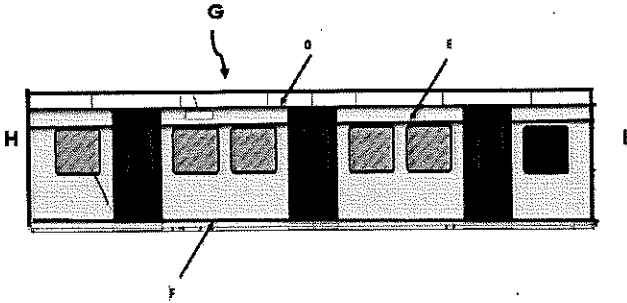
OPERATOR  
(Name&sign):

Leroy 

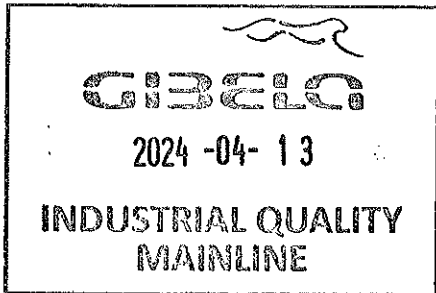
OPERATOR  
(Name&sign):

Zanele/Leroy 

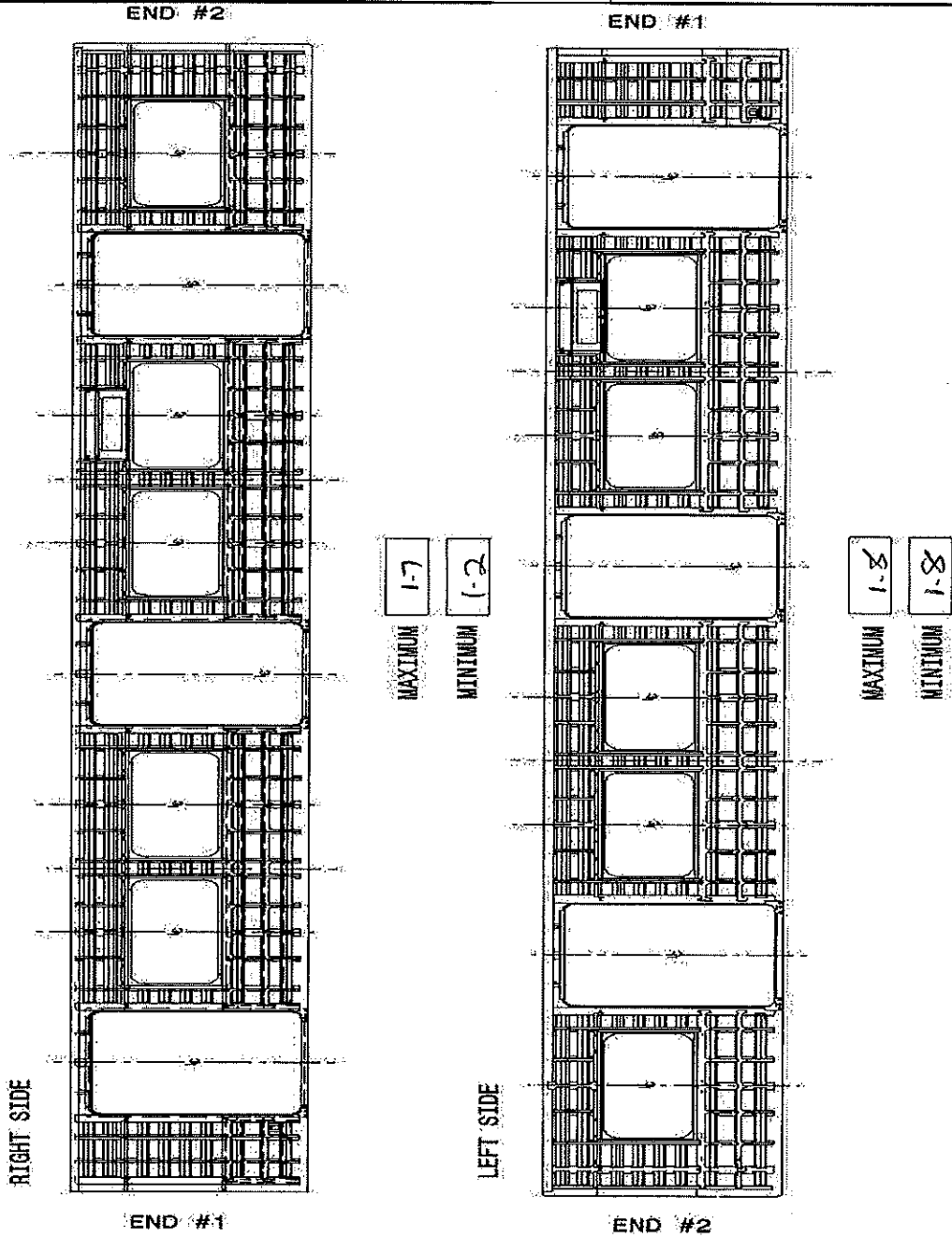





Area D,E,F,G,H,I	LHS	RHS
Operator (Name & sign) :	<u>D, E, F, G, H, I</u>	<u>D, E, F, G, H, I</u>
Operator (Name & sign) :	<u>Lerato</u>	<u>Monblanhts</u>
Operator (Name & sign) :	<u>[Signature]</u>	<u>[Signature]</u>
Operator (Name & sign) :	<u>Lerato</u>	<u>Monblanhts</u>
Operator (Name & sign) :	<u>[Signature]</u>	<u>[Signature]</u>
Operator (Name & sign) :	_____	_____



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.



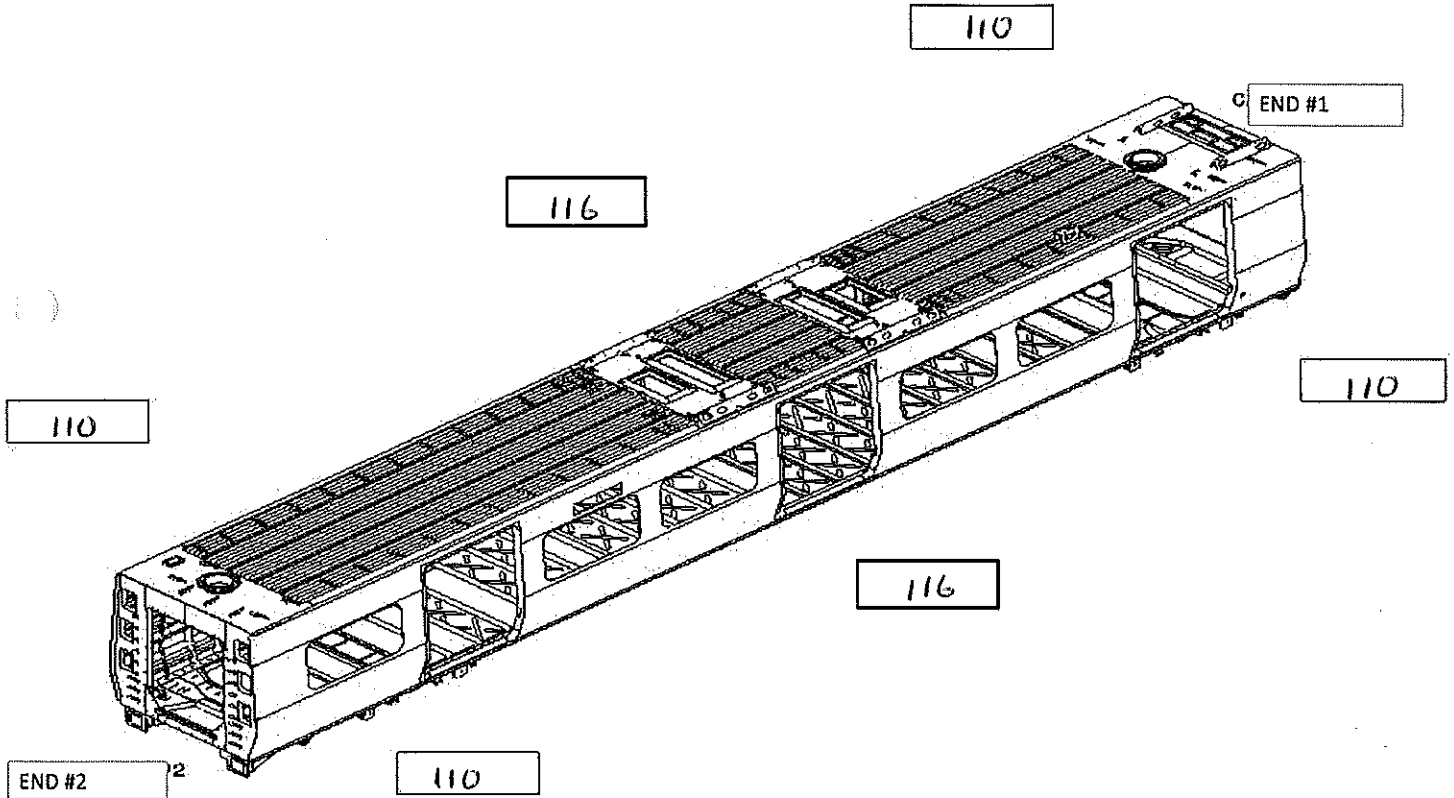


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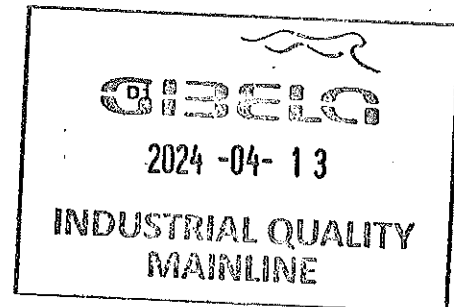
**Specifications of Details for CBS measurement CB1230**

Specified Camber for car out of jig is 16mm (-0mm + 2mm)



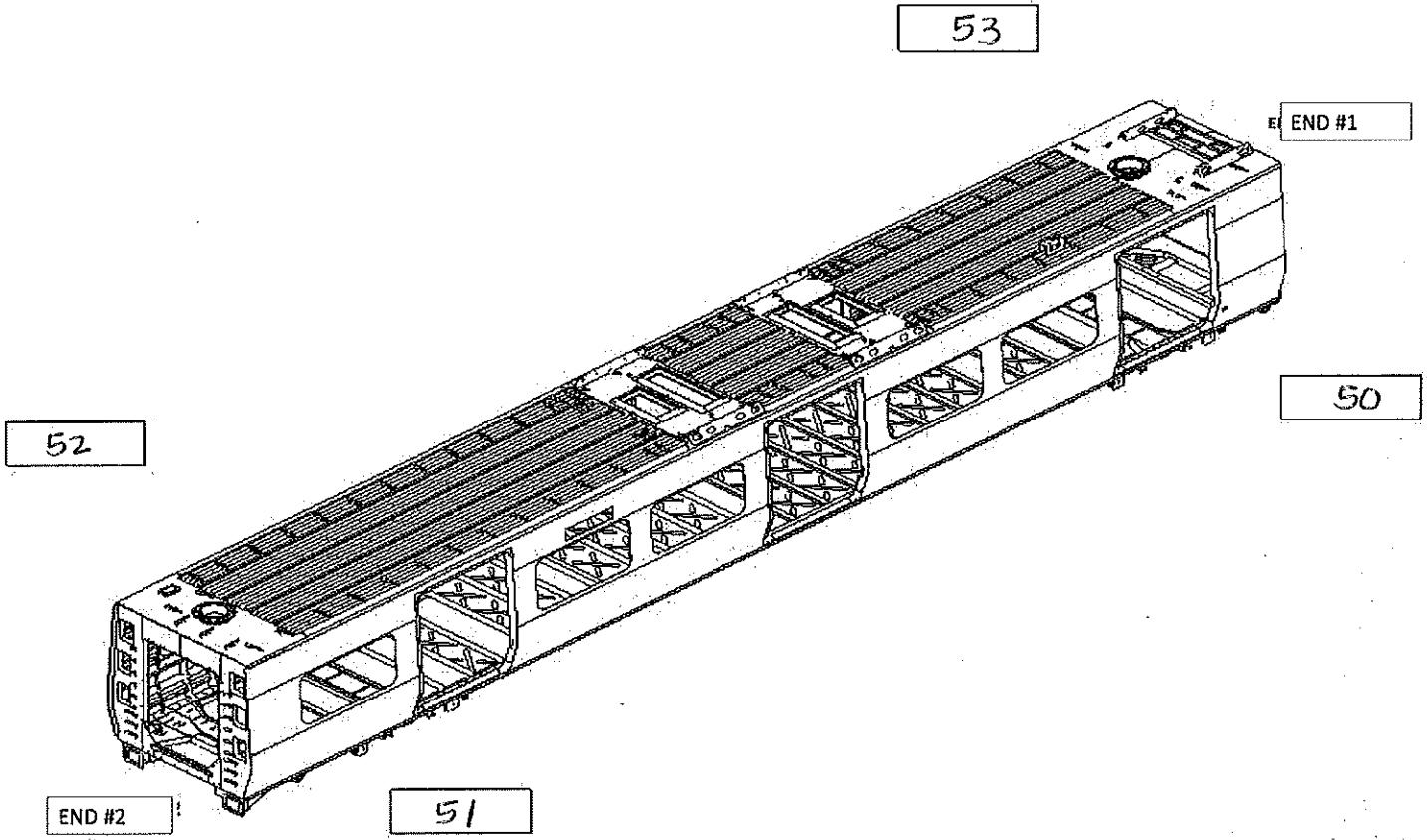
MEASURED CAMBER VALUES

RIGHT	-	16
LEFT	-	16



**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.



MEASURED TWIST VALUES END 1

LATERAL	3
LONGITUDINAL	1

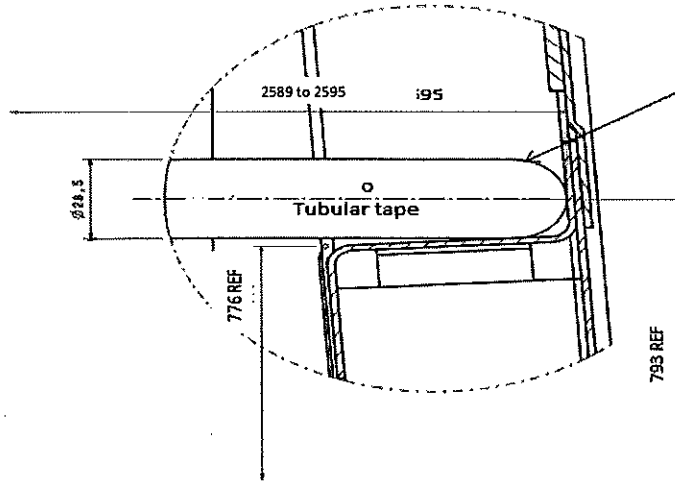
MEASURED TWIST VALUES END 2

LATERAL	1
LONGITUDINAL	1

2024-04-13


**INDUSTRIAL QUALITY  
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Details for measuring on the CB1230 stage, after completion of activities



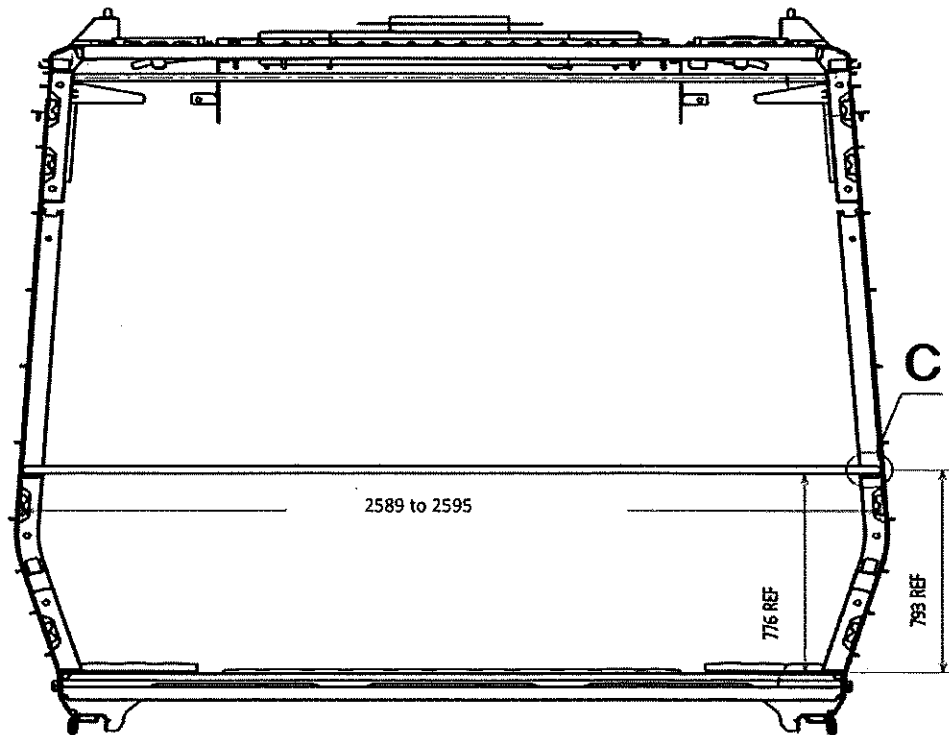
A  
N  
Carry the tubular tape on the  
"Z" bottom of Windows

Detail C

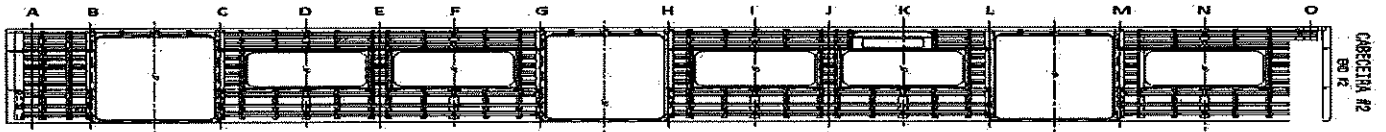


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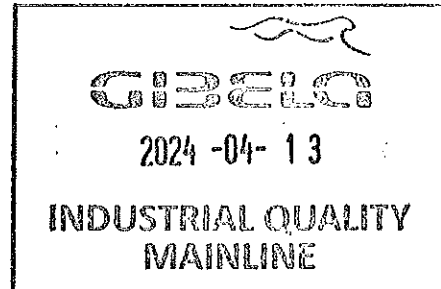
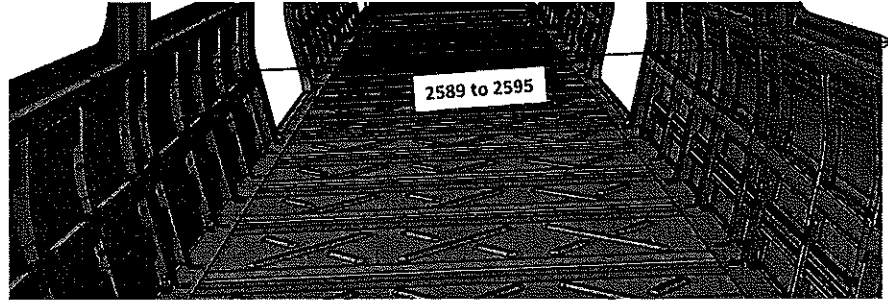


## Specifications of Details for CBS measurement


 LATERAL DIREITA  
Right Side

2589 to 2595mm

A	25 95
B	25 03
C	25 94
D	25 89
E	25 90
F	25 91
G	25 93
H	25 94
I	25 95
J	25 96
K	25 89
L	25 90
M	25 91
N	26 92
O	25 95



## Threshold verification

Nominal value :38

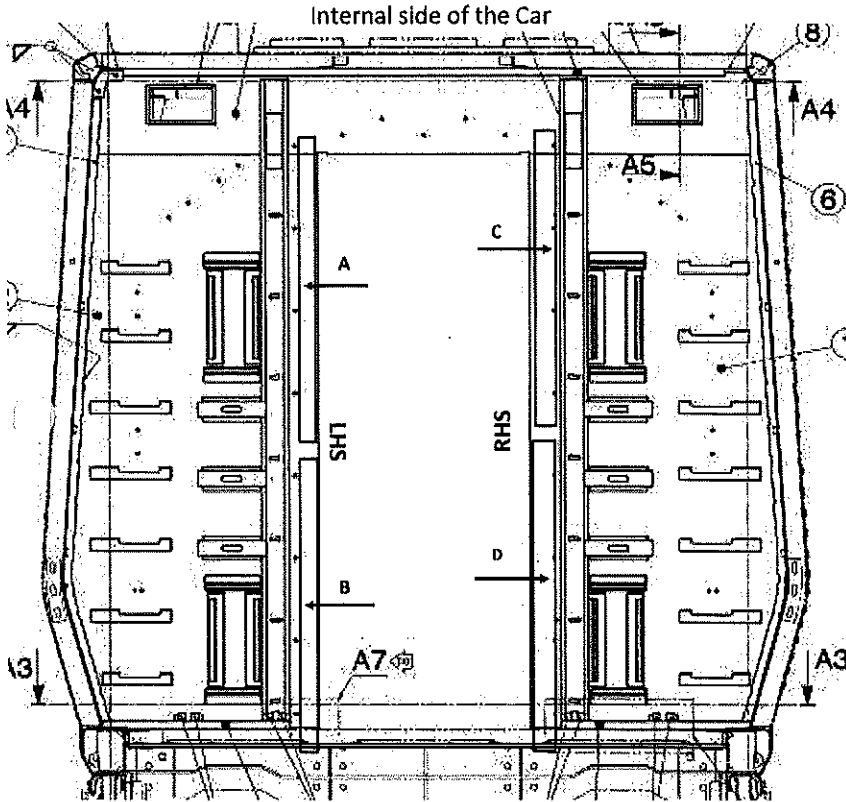
Door 1		Door 2		Door 3	
L	R	L	R	L	R
38	38	38	37	37	38
Door 4		Door 5		Door 6	
L	R	L	R	L	R
36	37	37	38	37	38

 BOILER MAKER: Buhie [Signature]  
 WELDER: Zanele [Signature]

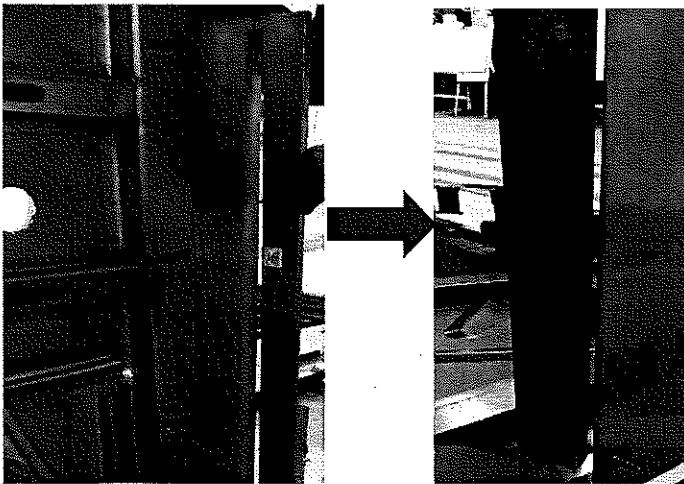
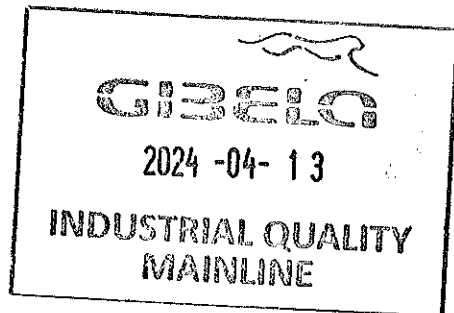
**Specifications of Details for CBS measurement**

Measure the flatness on the Cab Fire Barrier after installation and welding. Measure positions A, B, C and D using 1000mm flatness ruler and taper gauge.

Specified Maximum Flatness deviation on Cab Fire Barrier = 2mm



	Measured Values		
	Minimum	Maximum	Deviation
A	8.0	8.7	0.7
B	9.2	4.5	0.3
C	10.1	10.9	0.8
D	10.5	11.5	1





DT00000223319 Carshell Assembly TC

Rev. 30

Project: PRASA

Date- 06/11/2023

SI.CB1230.324.V29

### Dye penetrant test

Dye-penetration test to be performed by quality personnel

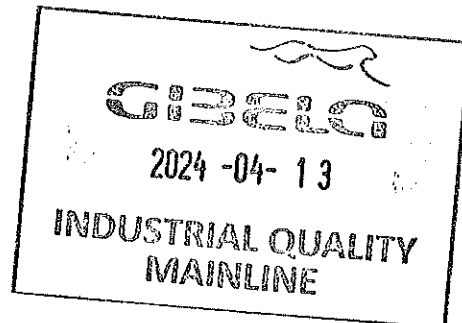


Item	Description of the Issue	OK	Signature/Date (Operations)	Signature/Date (Quality)

#### II.2 - Check List REX

#### Check List Items

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





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**Self Inspection - Final Result**

Is the car good to advance to the next workstation/process? (Approval of Operations and Industrial Quality)		DATE	NAME	SIGNATURE
<b>HOLD POINT</b>	If activities are not complete, the missing activities must not impact the next stage!	17/04/2024	CB3004 romarh@relo Operations	
	Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.)	17/04/2024	AMO 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":

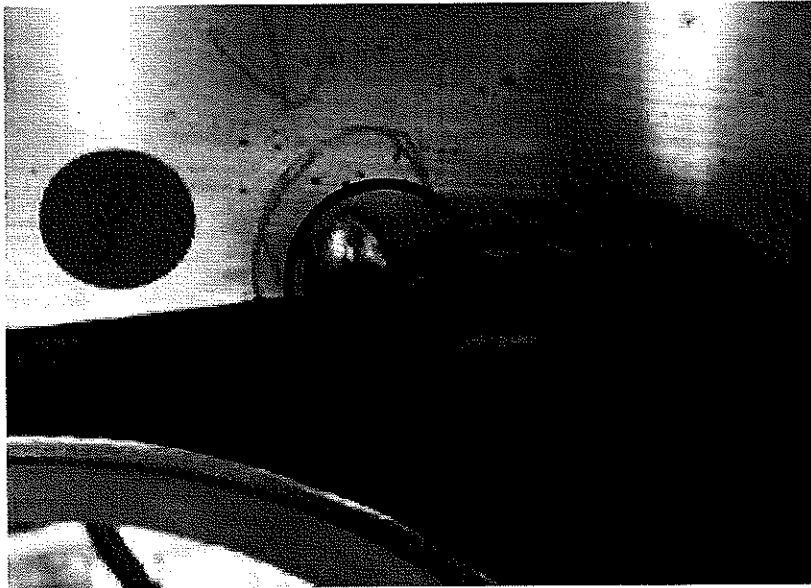
Item	Description	Action	Responsible	Due date	Status

Operations

Quality



**ANNEXURE A: Arc Welding Quality Acceptance Standard**



  
**GIBELQ**  
2024-04-13  
INDUSTRIAL QUALITY  
MAINLINE