





















Product Name:		CABIN ASSY	TITAN CABIN ASSY PART CHECK LIST				DATE :29-03-2023
Part No:		558650383					Rev Data:
Proto / Production		1st Proto					
I	DOCUMENT PREVIEW	Part No:	DESCRIPTION	QTY.	Assemble Scope	Inspn / Verify	Remarks
1		558650383	CABIN FRAME - WMT	1	Sandhar	Assembly	
2		558650392	DOOR ASSY - RH	1	Sandhar	Assembled	
3		558650408	DOOR ASSY - LH	1	Sandhar	Assembled	
4		553651007	MTG BKT - STRIKER BOLT	2	Roots	Assembled	
5		553651009	HANDLE - FRONT	2	Sandhar	Assembled	
6		553651010	HANDLE - REAR	2	Roots	Assembled	
7		558650415	DASHBOARD - ASSY	1	Sandhar	Assembled	
8		558650417	COVER WMT - HVAC	1	Sandhar	Assembled	
9		553651096	MTG PLATE LH - HEATER	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
10		553651097	MTG PLATE RH - HEATER	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
11		553651095	COVER - HEATER	1	Sandhar	Assembled	
12		558650418	COVER ASSY - HVAC FILTER	1	Sandhar	Assembled	
13		558650425	CENTER CONTROL ASSY	1	Sandhar	Assembled	
14		558650430	ELECTRICAL BOX ASSY	1	Sandhar	Assembled	
15		553651098	COVER - WIPER MOTOR	1	Sandhar	Assembled	
16		558650440	PDM MTG ASSY - CABIN	1	Roots	Assembled	

17		553651119	COVER - WIPER LINK	2	Sandhar	Assembled	
18		553651120	MIDDLE COVER - WIPER LINK	1	Roots	Assembled	
19		553651128	MTG BKT RH - VISOR	1	Roots	Assembled	
20		553651129	MTG BKT LH - VISOR	1	Sandhar	Assembled	
21		558650418	DUCT COVER WMT - HVAC	1	Sandhar	Assembled	
22		553651110	LINK - WIPER MOTOR	1	Sandhar	In Loose Condition	
23		553651111	LINK WIPER MOTOR	1	Sandhar	In Loose Condition	
24		553651105	STRIP LH - INSULATION	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
25		553651111	STRIP LH - INSULATION	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
26		553651111	STRIP LH - INSULATION	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
27		553651111	STRIP LH - INSULATION	1	Sandhar	In Loose Condition supplied	For the second proto we will assemble
28		553443069	Working Light	2	Sandhar	Assembled	
29		553442072	Lead Beacon	1	Sandhar	Assembled	
30		553650994 & 553650995	MAIN MIRROR ASSY & WIDE ANGLE MIRROR ASSY	1	Sandhar	Assembled	
31		553651050	STEERING WITH COVER ASSY	1	Sandhar	Assembled	
32		553651051	SEAT ASSY	2	Sandhar	Assembled	
33		553651052	SEAT BELT	2	Sandhar	Assembled	
34		553651053	Head Light	1	Sandhar	In Loose Condition supplied	Mounting hole mismatch with cabin
35		553651094	DISPLAY MTG BKT	1	Sandhar	Assembled	

Prepared By: Mr. Tejas Elkote Me

Approved By: Sanish R

Tejas

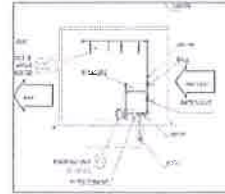
Sanish R

TITAN CABIN ASSY CABIN SHOWER TEST REPORT


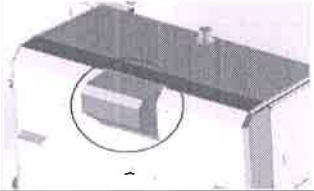



Shower tesiting Details

Shower testing set up



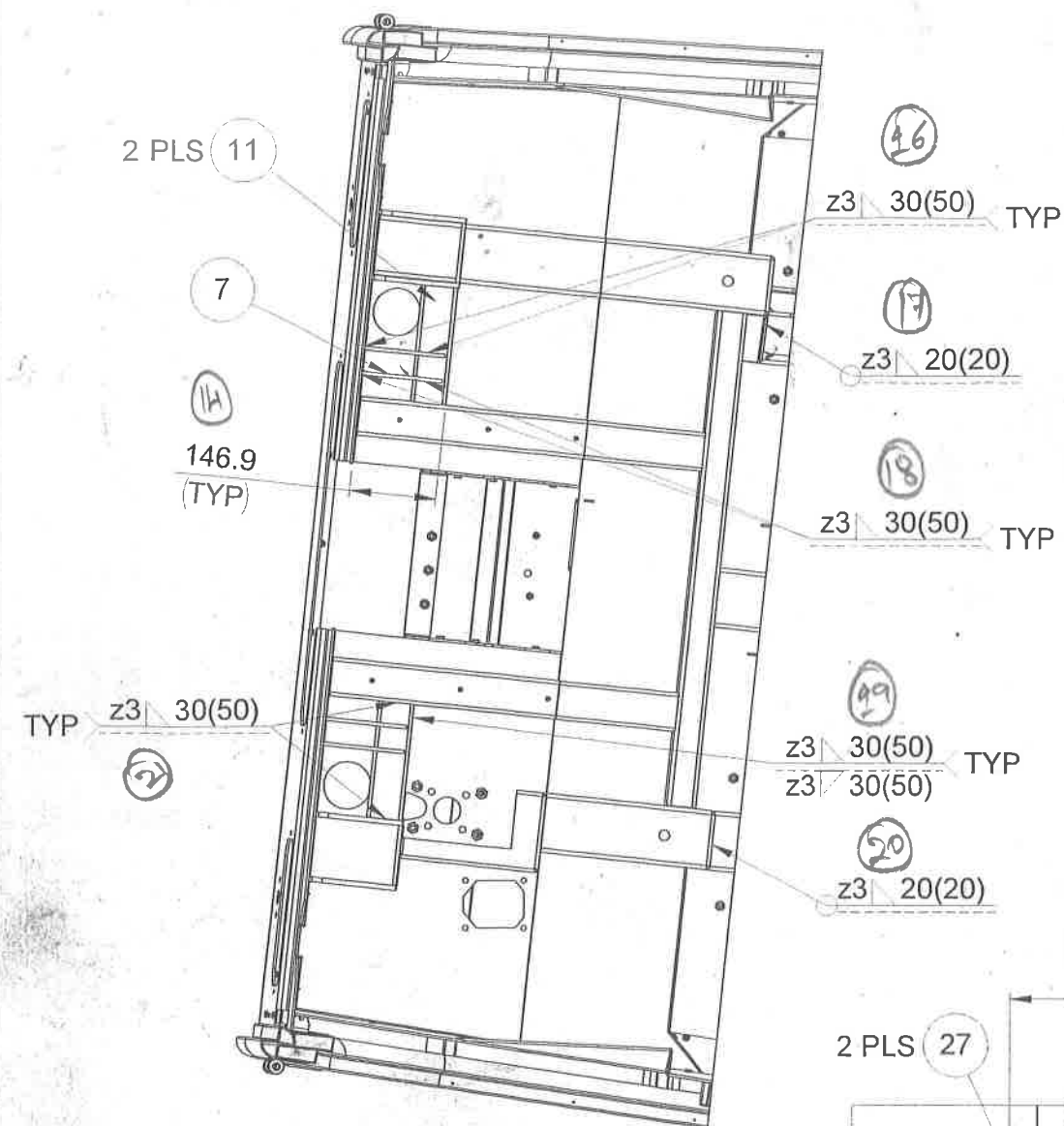
1. Pressure at 3 bar.
2. Water flow 330 lts per min .
3. Sourced with 16 nozzles from the top side & towards side also .
4. Testing time is 3 min .

Part No		Part Name		PO NO		Qty
558650382		CABIN ASSY		7900012574		1
Date	Time	CAB SI No	Testing Result	Leakage of area	Inspected By	Remarks
29-03-2023	9.30 AM	1st Proto Cabin	OK	Door Inside Lh side		
			OK	Door Inside Rh side		
			OK	Front Windshield Glass		
			Not ok	Cabin Roof Inside front		Due to Lead Beacon gasket not available 
			Not ok	Cabin Roof Inside Rear		Due to 553651016 Cover gasket not available 
			Not ok	Cabin Roof Inside front		Due to 2 holes are available of Dia 8 

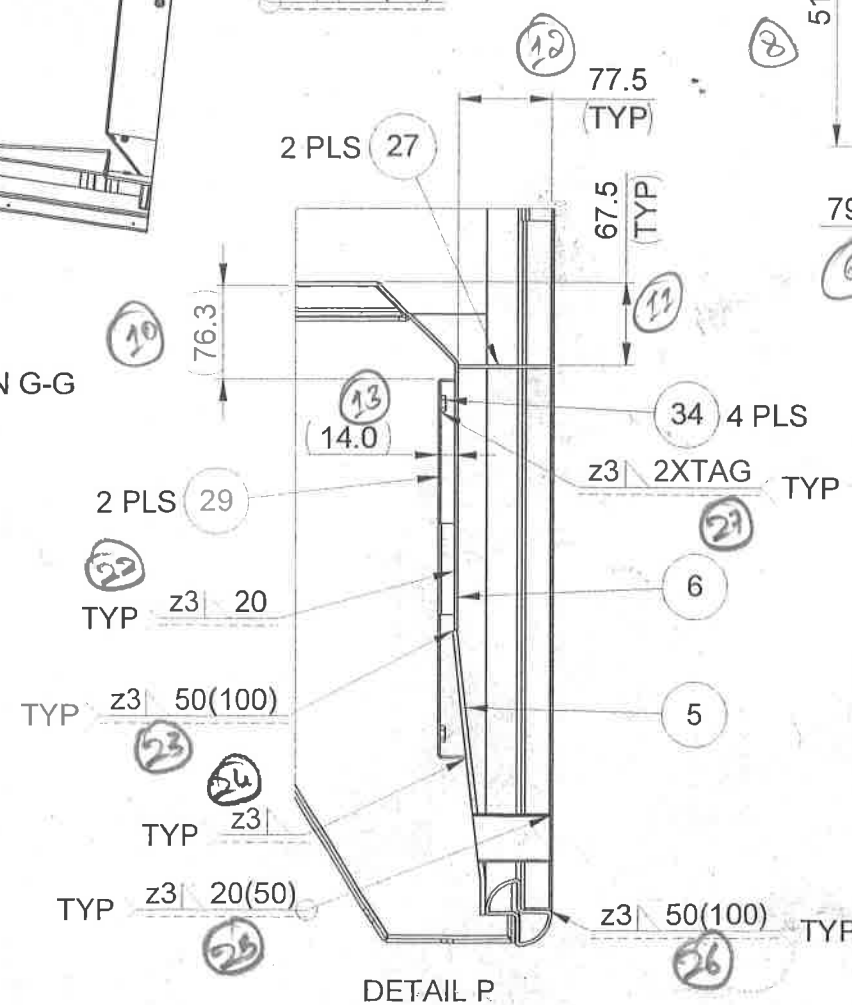
Checked By: Mr.Suresh & Ramesh M.L.

[Handwritten signatures]

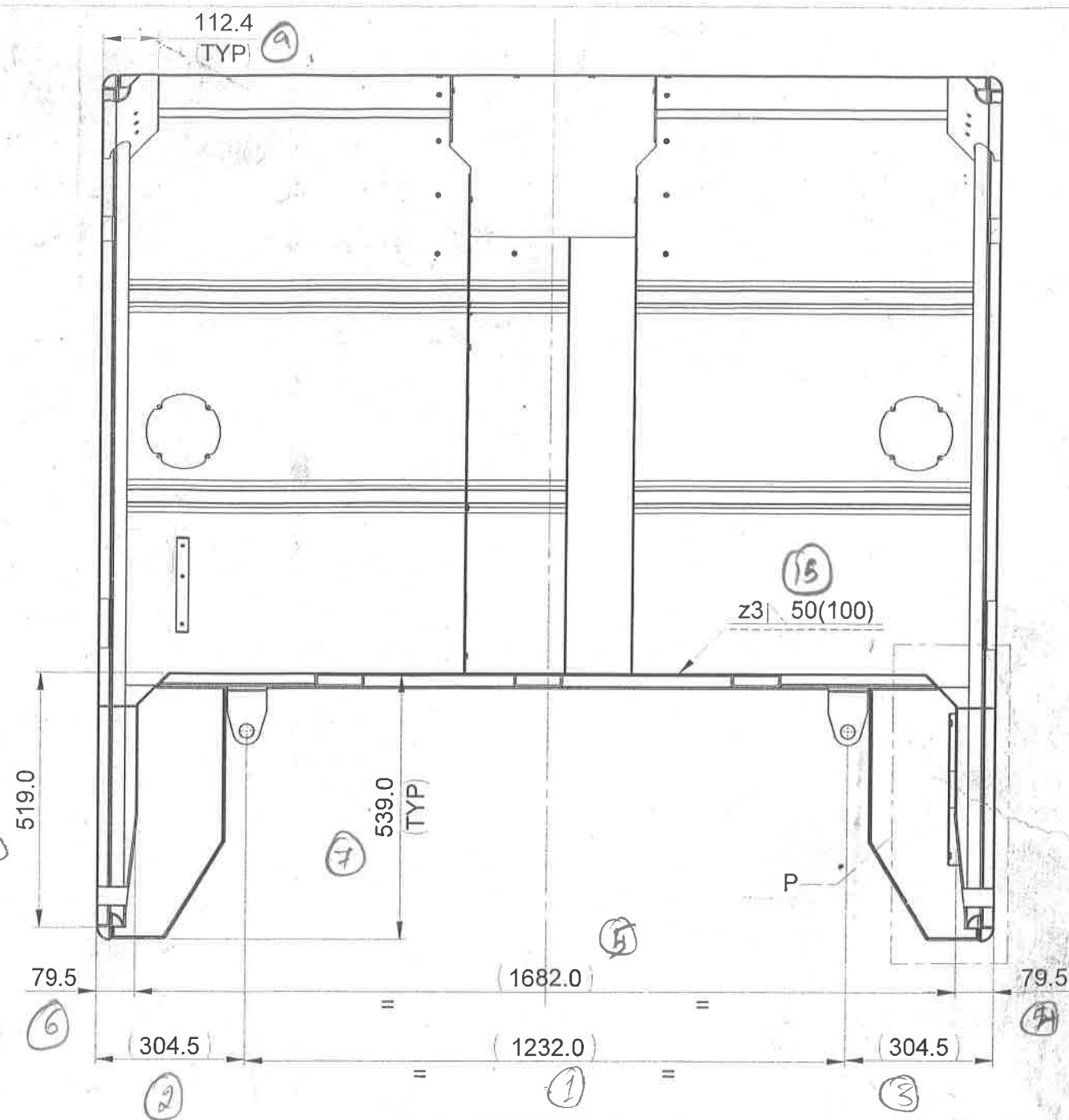
ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING





SECTION G-G



DETAIL P



SECTION D-D

				TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)									
						2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000		
A				RELEASED FOR PRODUCTION				±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
REV	ERN	DATE	CHANGE DESCRIPTION				ANGULAR DIM : ± 0.5°						
DEGN		24/11/2020	 ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA				MODEL (FIRST USED)						
DRWN							TITAN						
CHKD			MATERIAL		FINISH/COLOUR PAINTING WHITE (RAL 9016)								
APPD													
SCALE 1:10			TITLE				PART NO			REV A			
WEIGHT IN g 387126.3			CABIN FRAME - WMT				558650383			SHEET 3/6			

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT

SANDHAR

INSPECTION REPORT

Part Number : 558650383

Customer Name: ROOTS [TITAN]

Sample Qty. : 9

Part Name: CABIN FRAME - WMT

Engg. Change Level:

Date : 17/02/2023

Reason for Submission

PILOT

PROD.

PROTO

OTHERS



Dimensional



Material



Appearance

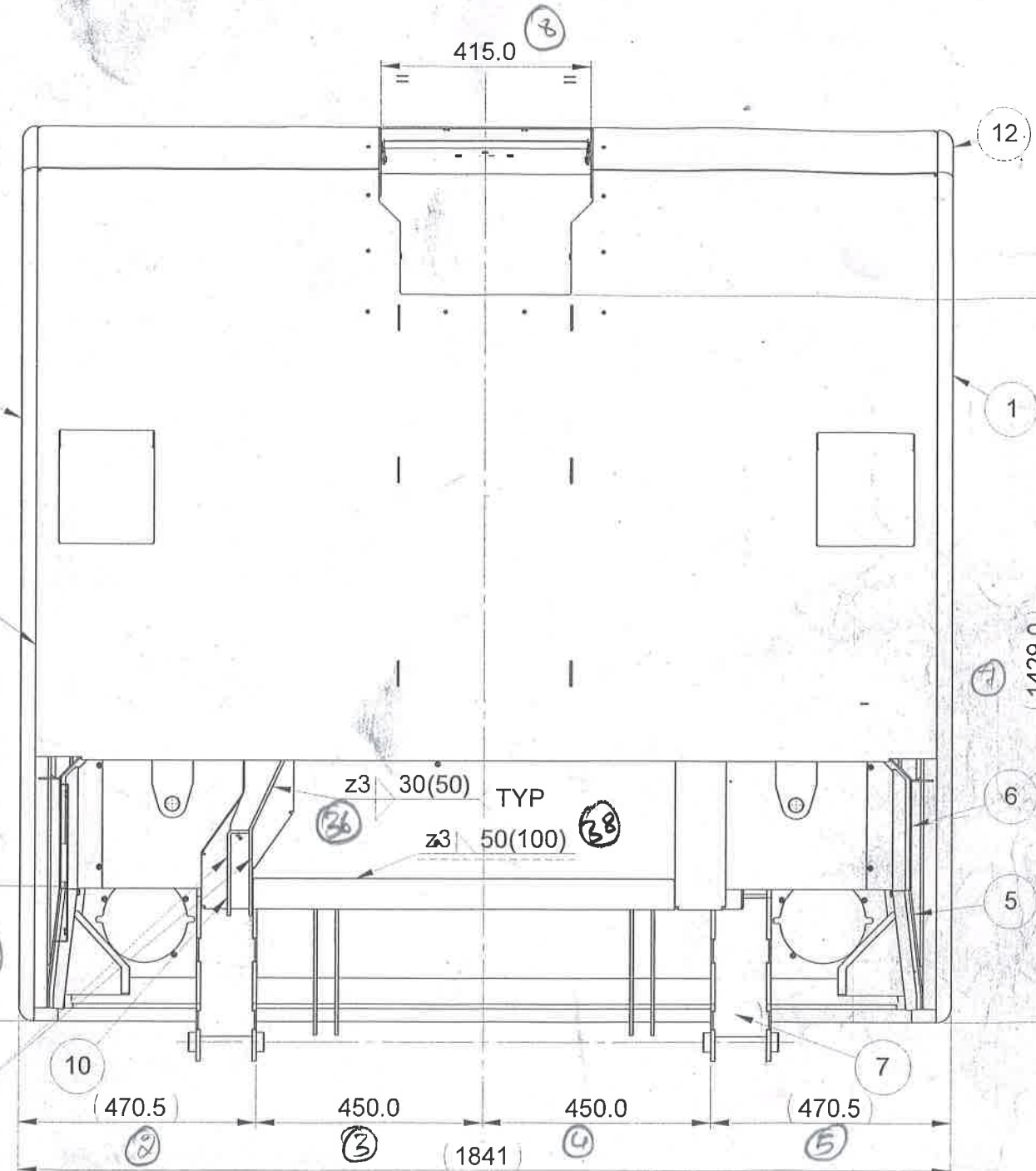
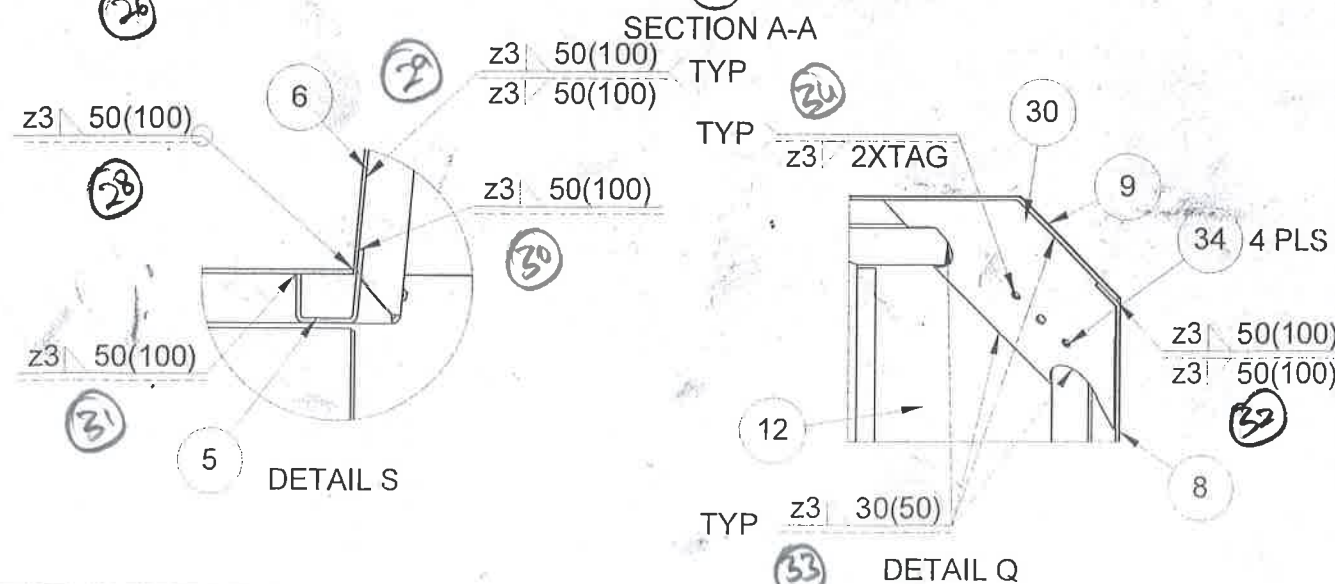
Engineering
Specification
Testing

Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dfm	1232.0 ± 3.0	MT	1232					✓		
2	Dfm	304.5 ± 1.0	MT	304					✓		
3	Dfm	304.5 ± 1.0	MT	304					✓		
4	Dfm	79.5 ± 1.0	MT	79					✓		
5	Dfm	1682.0 ± 3.0	MT	16800					✓		
6	Dfm	79.5 ± 1.0	MT	79					✓		
7	Dfm	539.0 ± 2.0	MT	539					✓		
8	Dfm	579.0 ± 2.0	MT	579					✓		
9	Dfm	112.4 ± 1.0	MT	113					✓		
10	Dfm	76.3 ± 1.0	MT	77					✓		
11	Dfm	67.5 ± 1.0	MT	66						✓	
12	Dfm	77.5 ± 1.0	MT	78					✓		
13	Dfm	14.0 ± 1.0	MT	14.0					✓		
14	Dfm	146.9 ± 1.0	MT	147					✓		
15	Welding	23A 50(100)	MT/Visual						✓		
16	Welding	23A 50(50)	MT/Visual						✓		
17	Welding	23A 20(20)	MT/Visual						✓		
18	Welding	23A 30(30)	MT/Visual						✓		
19	Welding	23A 30(50)	MT/Visual						✓		
20	Welding	23A 20(20)	MT/Visual						✓		
21	Welding	23A 30(50)	MT/Visual						✓		
22	Welding	23A 20	MT/Visual						✓		
23	Welding	23A 50(200)	MT/Visual						✓		
24	Welding	23A	MT/Visual						✓		
25	Welding	23A 20(50)	MT/Visual						✓		
26	Welding	23A 50(100)	MT/Visual						✓		
27	Welding	23A 20(100)	MT/Visual						✓		
28											
29											
30											
31											
32											
33											
34											
35											

Inspected By : Approved By : 

ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING



			TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)											
			<table><tr><td>2.0 TO 30</td><td>30 TO 120</td><td>120 TO 400</td><td>400 TO 1000</td><td>1000 TO 2000</td><td>2000 TO 4000</td></tr></table>						2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000
2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000									
A			RELEASED FOR PRODUCTION			<table><tr><td>±1.0</td><td>±1.0</td><td>±1.0</td><td>±2.0</td><td>±3.0</td><td>±4.0</td></tr></table>			±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
±1.0	±1.0	±1.0	±2.0	±3.0	±4.0									
REV	ERN	DATE	CHANGE DESCRIPTION			ANGULAR DIM : ± 0.5°								
DEGN		24/11/2020	<div>ROOTS</div> ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA			MODEL (FIRST USED)								
DRWN			MATERIALFINISH/COLOUR PAINTING WHITE (RAL 9016)			TITAN								
CHKD														
APPD														
SCALE 1:10			TITLE CABIN FRAME - WMT			PART NO		REV						
WEIGHT IN g						558650383		A						
						SHEET 4/6								

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT

mag
SANDHAR

INSPECTION REPORT

Part Number : 558650383

Customer Name:

ROOTS [TITAN]

Sample Qty. : 1

Part Name: CABIN FRAME WME

Engg. Change Level:

Date : 17/02/2023

Reason for Submission

PILOT

PROD.

PROTO

OTHERS



Dimensional



Material



Appearance

Engineering
Specification
Testing

Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	1841 ± 3.0	MT	1841					✓		
2	Dim	470.5 ± 2.0	MT	469					✓		
3	Dim	450.0 ± 2.0	MT	450					✓		
4	Dim	450.0 ± 2.0	MT	450					✓		
5	Dim	470.5 ± 2.0	MT	469					✓		
6	Dim	265.0 ± 1.0	MT	265					✓		
7	Dim	1429.0 ± 3.0	MT	1428					✓		
8	Dim	415.0 ± 2.0	MT	415					✓		
9	Dim	1154.0 ± 1.0	MT	1154					✓		
10	Dim	467.0 ± 1.0	MT	468					✓		
11	Dim	539.0 ± 2.0	MT	540					✓		
12	Dim	725.0 ± 2.0	MT	725					✓		
13	Dim	60.8 ± 1.0	MT	60					✓		
14	Dim	280.0 ± 1.0	MT	280					✓		
15	Dim	40.0 ± 1.0	MT	40					✓		
16	Dim	605.0 ± 2.0	MT	603					✓		
17	Dim	320 ± 1.0	MT	321					✓		
18	Dim	88 ± 1.0	MT	88					✓		
19	Dim	767 ± 2.0	MT	768					✓		
20	Welding	23A	MT/Visual						✓		
21	Welding	23A	MT/Visual						✓		
22	Welding	23A 50(100)	MT/Visual						✓		
23	Welding	23A 2X TAG	Visual						✓		
24	Welding	23A	Visual						✓		
25	Welding	23A 50(100)	MT/Visual						✓		
26	Welding	23A 50(100)	MT/Visual						✓		
27	Welding	23A 20(35)	MT/Visual						✓		
28	Welding	23A 50(100)	MT/Visual						✓		
29	Welding	23A 50(100)	MT/Visual						✓		
30	Welding	23A 50(100)	MT/Visual						✓		
31	Welding	23A 50(100)	MT/Visual						✓		
32	Welding	23A 50(100)	MT/Visual						✓		
33	Welding	23A 30(50)	MT/Visual						✓		
34	Welding	23A 50(100)	Visual						✓		
35	Welding	23A 50(100)	MT/Visual						✓		

Inspected By :

Approved By :

F/QA/03

Mag Engineering

QUALITY ASSURANCE DEPARTMENT

mag
SANDHAR

INSPECTION REPORT

Part Number : 558650383

Customer Name: ROOTS (TITAN)

Sample Qty. : 1

Part Name: CABIN FRAME WHT Engg. Change Level:

Date : 17/02/2023

Reason for Submission

PILOT

PROD.

PROTO

OTHERS



Dimensional



Material



Appearance

Engineering
Specification
Testing

Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
36	Welding	23 20/50	MT/Visual						✓		
37	Welding	23 20/35	MT/Visual						✓		
38	Welding	31 50/100	MT/Visual						✓		
39	Welding	31 20/35	MT/Visual						✓		
5											
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35											

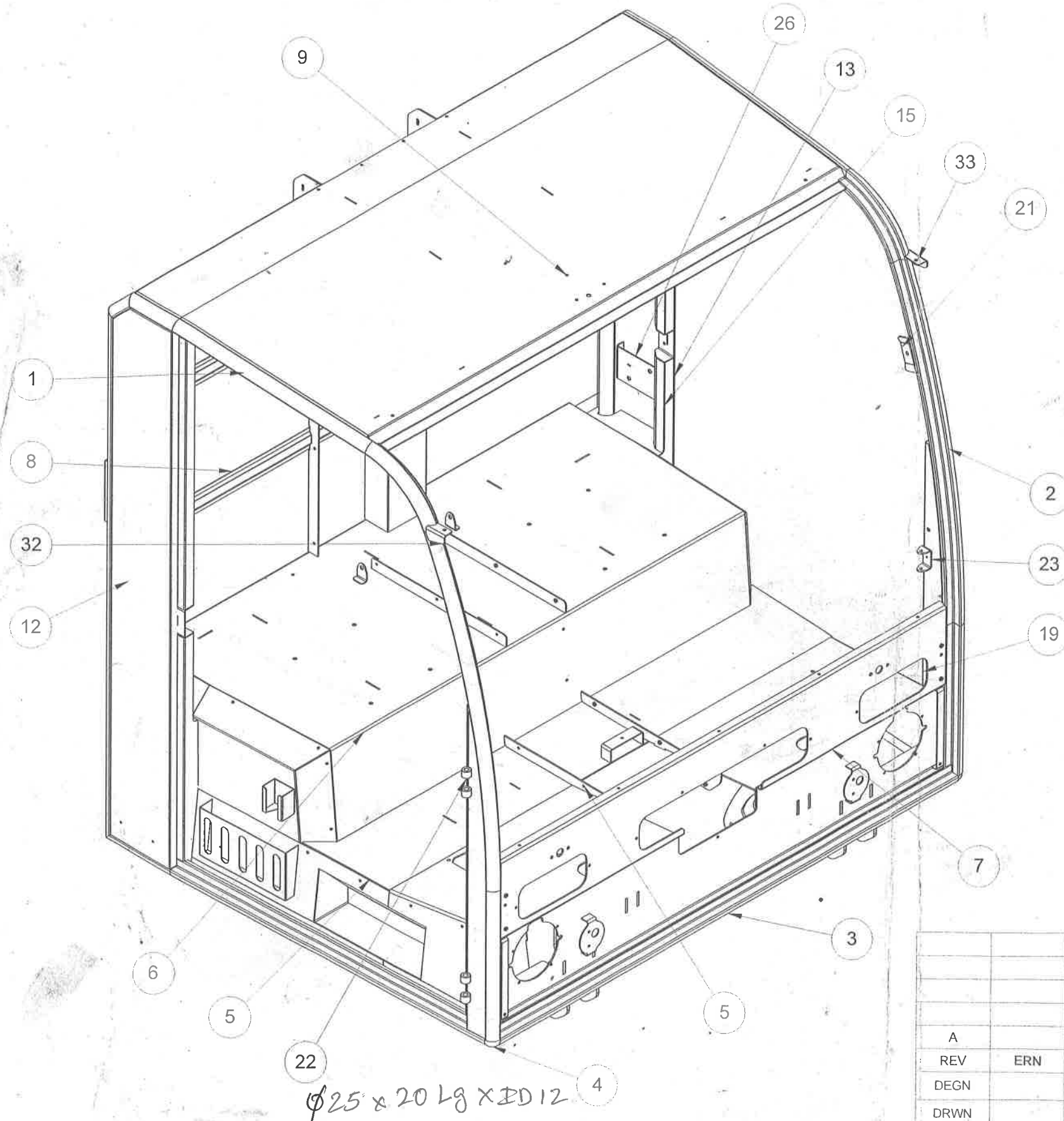
Inspected By :

Approved By :

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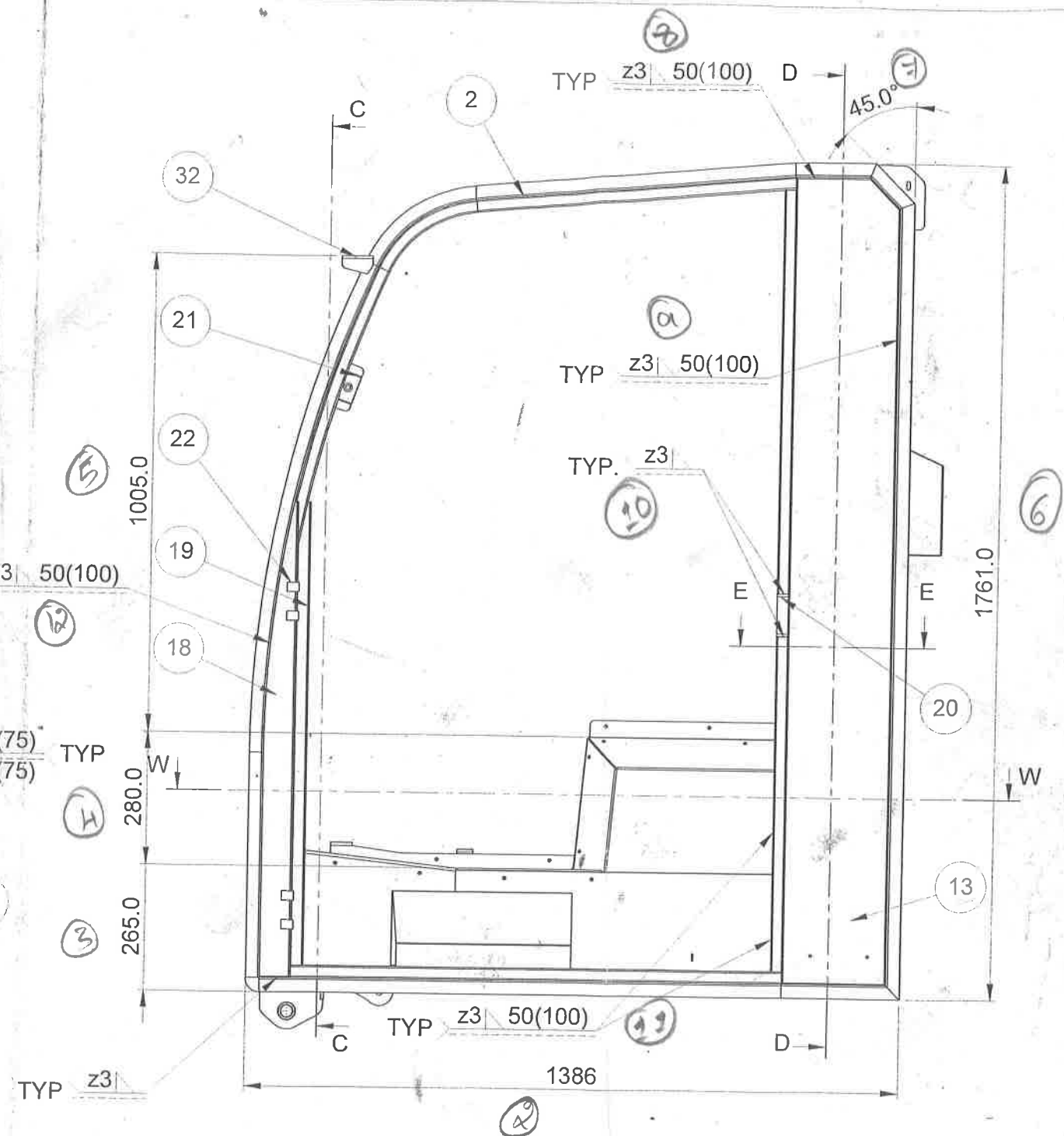
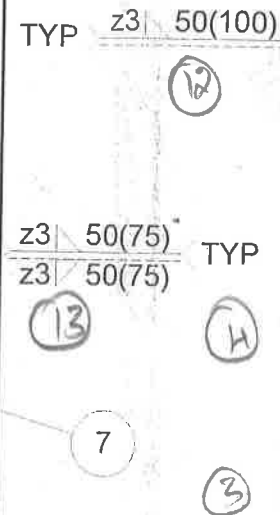
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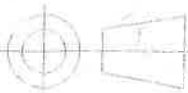


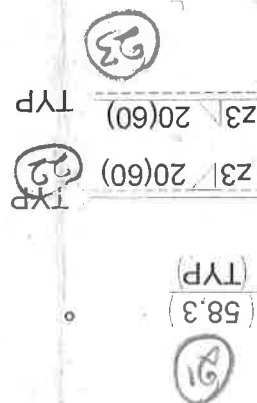
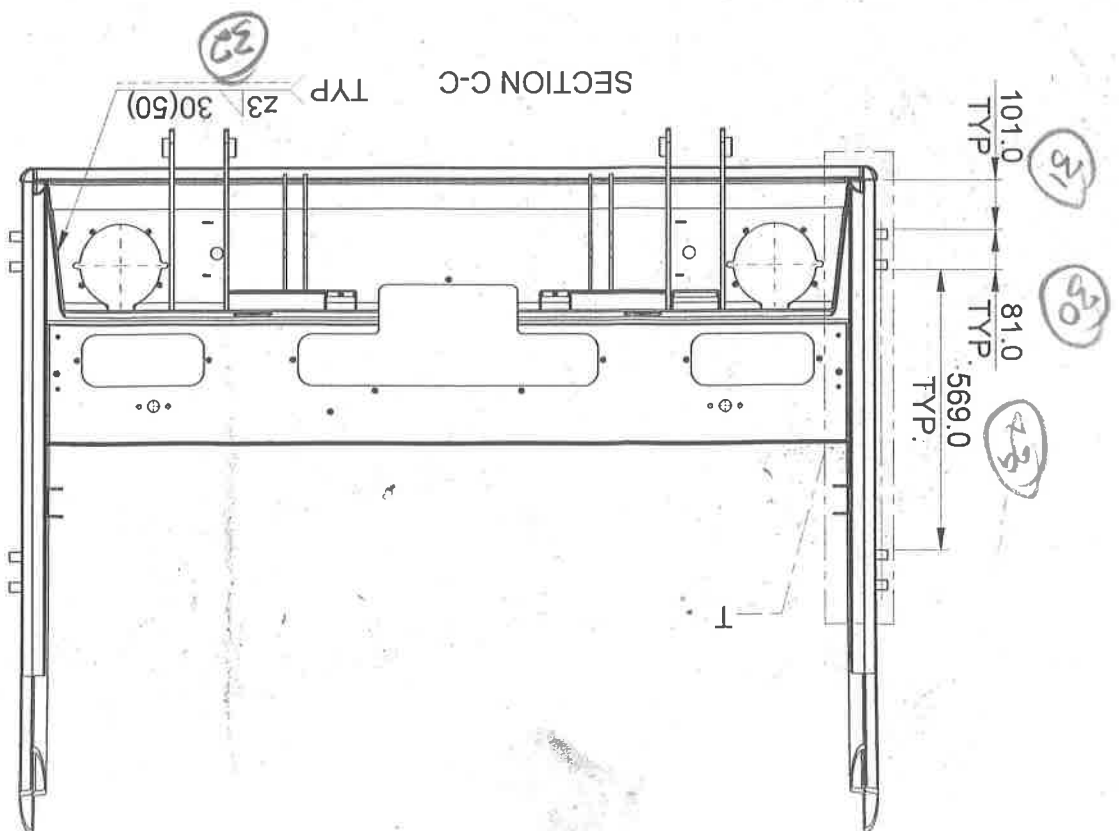
ITEM NO.	PART NO.	DESCRIPTION	
1	558650428	SIDE FRAME WMT - RH	1
2	558650429	SIDE FRAME WMT - LH	1
3	553650893	FRONT FRAME - CABIN	1
4	553651049	END COVER - BASE FRAME	2
5	558650385	BTM SHEET WMT - CABIN	1
6	558650384	BASE WMT - SEAT	1
7	558650388	FRONT SHEET WMT - CABIN	1
8	558650390	REAR SHEET WMT - CABIN	1
9	558650391	TOPSHEET WMT - CABIN	1
10	558650387	PIVOT WMT - CABIN CYLINDER	1
11	553650926	SUPP STRIP BTM - CABIN	2
12	553650938	SHEET RH - CABIN	1
13	553650939	SHEET LH - CABIN	1
14	553650940	SUPPORT STRIP RH - REAR HANDLE	1
15	553650941	SUPPORT STRIP LH - REAR HANDLE	1
16	553650942	MTG SHEET RH - DOOR	1
17	553650943	SUPP SHEET RH - DOOR	1
18	553650944	MTG SHEET LH - DOOR	1
19	553650945	SUPP SHEET LH - DOOR	1
20	553650946	MTG STRIP - STRIKER BOLT	2
21	553650947	MTG BKT - FRONT HANDLE	2
22	553650948	MTG BUSH - DOOR	8
23	553650949	STOPPER BKT - DOOR	2
24	553650950	MTG BKT TOP - SEAT BELT	2
25	553650951	MTG BKT RH - SEAT BELT	1
26	553650961	MTG BKT LH - SEAT BELT	1
27	553650952	COVER - SIDE SHEET	2
28	553650953	SUPPORT STRIP - BTM SHT WMT	2
29	553650954	MTG STRIP - PDM	2
30	553650959	MTG BKT RH - FAN	1
31	553650960	MTG BKT LH - FAN	1
32	553650956	MTG BKT RH - WORKING LIGHT	1
33	553650957	MTG BKT LH - WORKING LIGHT	1
34	552190004	HEX WELD NUT - STEEL - M6	12
35	552190005	HEX WELD NUT - STEEL - M8	6

				TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)					
				2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000
A			RELEASED FOR PRODUCTION	±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
REV	ERN	DATE	CHANGE DESCRIPTION	ANGULAR DIM : ± 0.5°					
DEGN		24/11/2020	ROOTS ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA	MODEL (FIRST USED) TITAN					
DRWN			MATERIAL	FINISH/COLOUR PAINTING WHITE (RAL 9016)					
CHKD									
APPD									
SCALE	1:10		TITLE	PART NO			REV		
WEIGHT IN g			CABIN FRAME - WMT	558650383			A		
							SHEET 1/6		

ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING

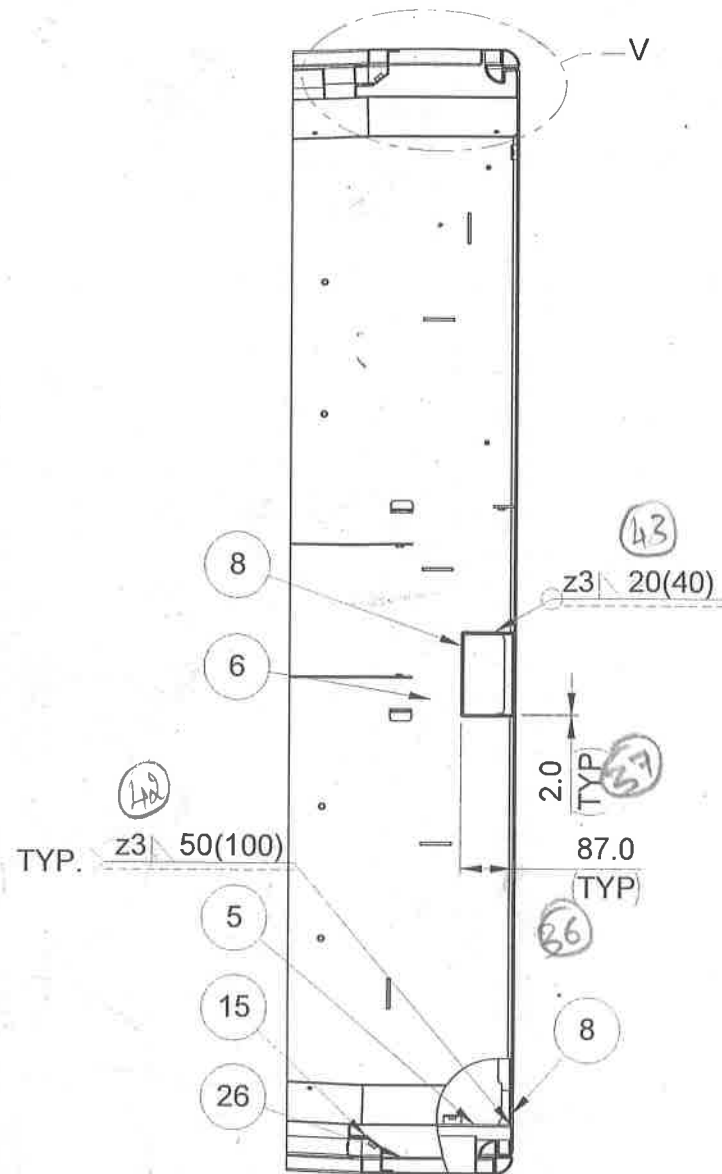


				TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)					
				2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000
A	RELEASED FOR PRODUCTION			±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
REV	ERN	DATE	CHANGE DESCRIPTION			ANGULAR DIM : ± 0.5°			
DEGN	24/11/2020		 ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA			MODEL (FIRST USED) TITAN			
DRWN									
CHKD			MATERIAL	FINISH/COLOUR PAINTING WHITE (RAL 9016)					
APPD									
SCALE 1:10						PART NO			REV A
WEIGHT IN g						TITLE CABIN FRAME - WMT			558650383
									SHEET 2/6

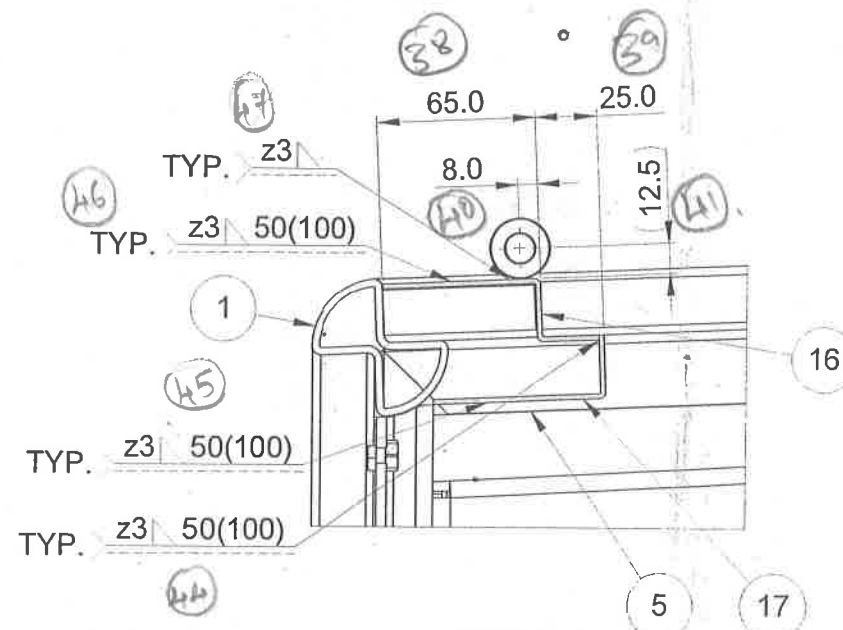


Technical drawing of a mobile office unit, showing dimensions and callouts. The drawing includes a side elevation and a top plan view. Dimensions are provided in feet and inches (e.g., 1386, 250.0, 1745, 1841.0). Callouts are numbered 1 through 16, with some numbers circled. The drawing shows a unit with a large door, a smaller door, and a window. The unit is shown in a perspective view, with the side elevation and top plan view visible. The side elevation shows a unit with a large door, a smaller door, and a window. The top plan view shows the unit's footprint, including the door and window. Dimensions are provided for the overall size of the unit, the door, and the window. Callouts are numbered 1 through 16, with some numbers circled. The drawing is a technical drawing, showing the unit's dimensions and callouts.

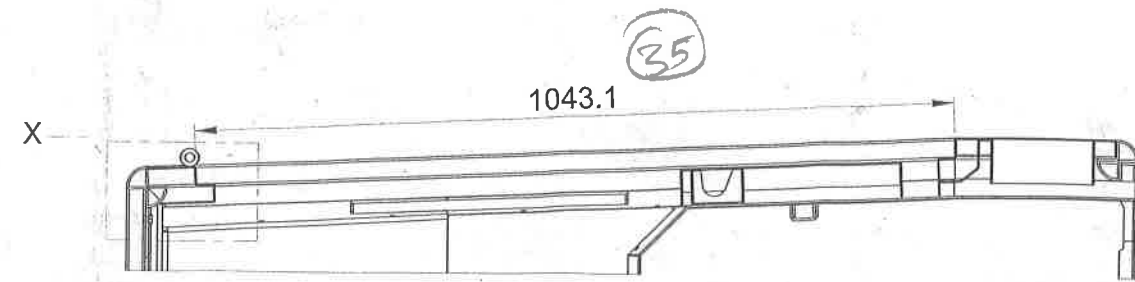
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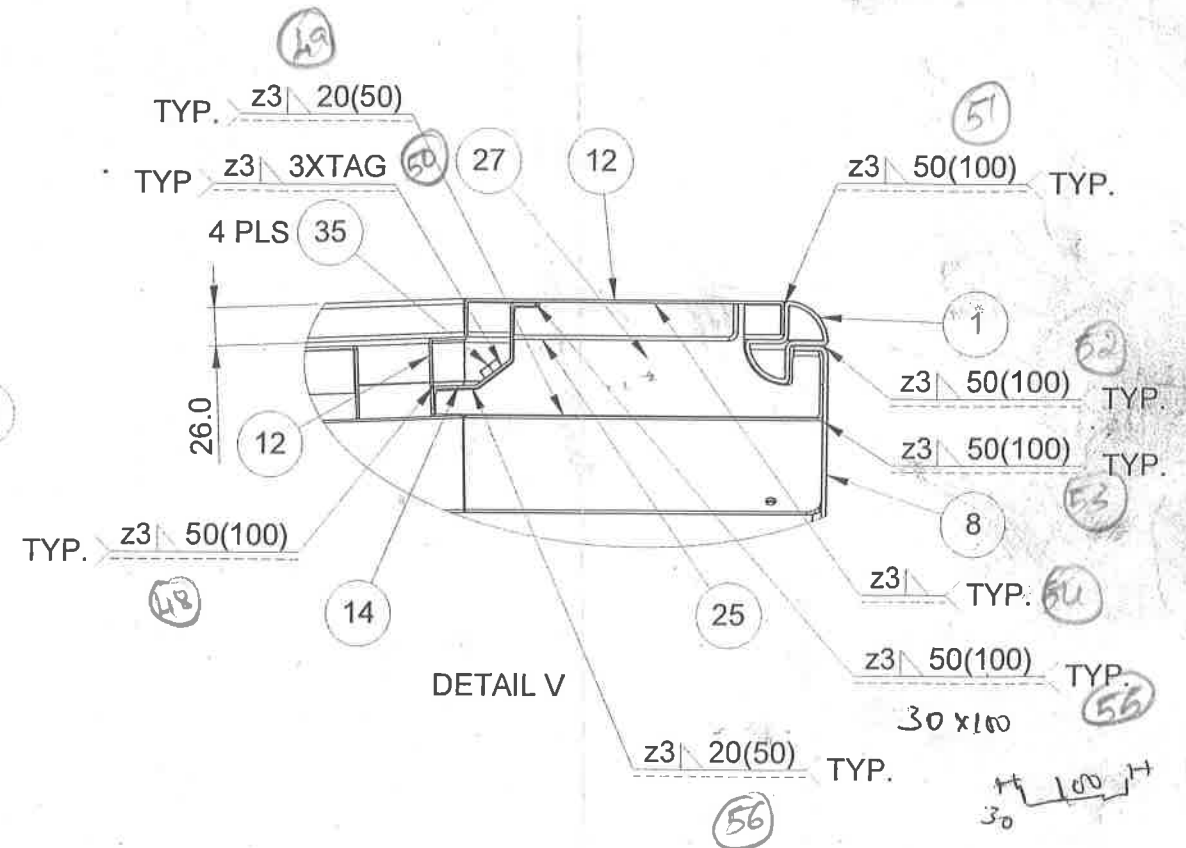
SECTION E-E



DETAIL X



SECTION W-W



DETAIL V

				TOLERANCE UNLESS SPECIFIED					
				LINEAR DIM : WELDED CONSTRUCTIONS					
				(ISO : 13920 - CLASS A)					
				2.0	30	120	400	1000	2000
				TO	TO	TO	TO	TO	TO
				30	120	400	1000	2000	4000
				±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
				ANGULAR DIM : ± 0.5°					
				MODEL (FIRST USED)					
				TITAN					
				PART NO				REV	
				558650383				A	
								SHEET	
								6/6	

ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING

RELEASED FOR PRODUCTION

CHANGE DESCRIPTION



ROOTS MULTICLEAN LIMITED
COIMBATORE - INDIA

MATERIAL

FINISH/COLOUR

PAINTING
WHITE (RAL 9016)

SCALE

1:10

WEIGHT IN g



TITLE

CABIN FRAME - WMT

PART NO

558650383

REV

A

SHEET

6/6

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT

 **SANDHAR**
INSPECTION REPORT

Part Number : 558650383 Customer Name : ROOTS (TITAN) Sample Qty : 1
 Part Name : CABIN FRAME-WMT Engg. Change Level: Date : 13/02/2023

Reason for Submission

☐ PILOT☐ PROD.☐ PROTO☐ OTHERS☒ Dimensional☐ Material☐ Appearance☐ Engineering
Specification
Testing☐ Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	1841.0 ± 3.0	MT	1841.0					✓		
2	Dim	1386 ± 3.0	MT	1386					✓		
3	Dim	2650 ± 1.0	MT	265					✓		
4	Dim	280.0 ± 1.0	MT	280					✓		
5	Dim	1005.0 ± 3.0	MT	1004					✓		
6	Dim	1761.0 ± 3.0	MT	1760					✓		
7	Angle	45°	BP	45°					✓		
8	Welding	23A 50(100)	MT/Visual						✓		
9	Welding	23A 50(100)	MT/Visual						✓		
10	Welding	23A	MT/Visual						✓		
11	Welding	23A 50(100)	MT/Visual						✓		
12	Welding	23A 50(100)	MT/Visual	x					✓		
13	Welding	23A 50(45)	MT/Visual						✓		
14	Welding	23A 50(45)	MT/Visual						✓		
15	Welding	23 V	MT/Visual						✓		
16	Dim	1745 ± 3.0	MT	1745					✓		
17	Dim	1841.0 ± 3.0	MT	1841					✓		
18	Dim	250.0 ± 1.0	MT	250					✓		
19	Welding	23A 50(100)	MT/Visual						✓		
20	Dim	50.0 ± 0.0	MT	50					✓		
21	Dim	58.3 ± 0.0	MT	58					✓		
22	Welding	23A 50(100)	MT/Visual						✓		
23	Welding	23A 50(100)	MT/Visual						✓		
24	Dim	101.0 ± 1.0	MT	101					✓		
25	Dim	81.0 ± 1.0	MT	82					✓		
26	Dim	81.0 ± 1.0	MT	82					✓		
27	Dim	569.0 ± 0.0	MT	566							✓ for poor fitting
28	Welding	23A 50(100)	MT/Visual						✓		
29	Dim	589.0 ± 0.0	MT	566						✓	
30	Dim	81.0 ± 1.0	MT	81					✓		
31	Dim	101.0 ± 1.0	MT	101					✓		
32	Welding	23A 50(100)	MT/Visual						✓		
33	Dim	1386 ± 3.0	MT	1386					✓		
34	Angle	2.5°	BP	Not possible							
35											

Inspected By : T. J.Approved By : P. B.

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT


SANDHAR
INSPECTION REPORT
Part Number : 558650383 Customer Name : ROOIS ETITANI Sample Qty. : 1

Part Name : CABIN FRAME-WMT Engg. Change Level: Date : 13/02/2023

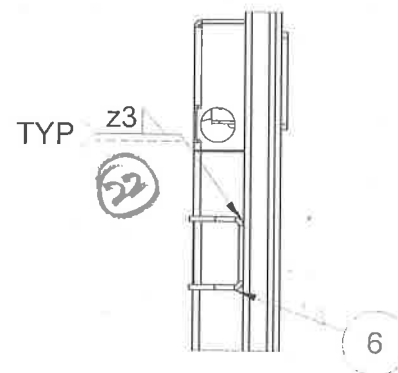
Reason for Submission ☐ PILOT ☐ PROD. ☐ PROTO ☐ OTHERS

☐ Dimensional ☐ Material ☐ Appearance ☐ Engineering Specification Testing ☐ Others


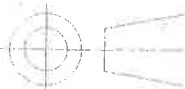
Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
35	Dim	1043.1 ± 3.0	MT	1045					✓		
36	Dim	87 ± 1.0	MT	87					✓		
37	Dim	2.0 ± 1.0	MT	2.0					✓		
38	Dim	65.0 ± 1.0	MT	65.0					✓		
39	Dim	25.0 ± 1.0	MT	25.0					✓		
40	Dim	8.0 ± 1.0	MT	8.0					✓		
41	Dim	12.5 ± 1.0	MT	12.5					✓		
42	Welding	23A 50(100)	MT/Visual						✓		
43	Welding	23A 20(100)	MT/Visual						✓		
44	Welding	23A 50(100)	MT/Visual						✓		
45	Welding	23A 50(100)	MT/Visual						✓		
46	Welding	23A 50(100)	MT/Visual						✓		
47	Welding	23A	MT/Visual						✓		
48	Welding	23A 50(100)	MT/Visual						✓		
49	Welding	23A 20(50)	MT/Visual						✓		
50	Welding	23A 30(100)	MT/Visual						✓		
51	Welding	23A 50(100)	MT/Visual						✓		
52	Welding	23A 50(100)	MT/Visual						✓		
53	Welding	23A 50(100)	MT/Visual						✓		
54	Welding	23A < TYP	MT/Visual						✓		
55	Welding	23A 50(100)	MT/Visual						✓		
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

Inspected By : Approved By :

ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING



1. REFER AND FOLLOW RES 552790100 FOR WELDING
2. PARTS SHOULD BE FREE FROM SHARP EDGES

					TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)											
					2.0 TO 30		30 TO 120		120 TO 400		400 TO 1000		1000 TO 2000		2000 TO 4000	
					±1.0		±1.0		±1.0		±2.0		±3.0		±4.0	
REV			ERN			DATE			RELEASED FOR PRODUCTION				ANGULAR DIM : ± 0.5°			
DEGN						24/11/2020			 ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA				MODEL (FIRST USED)			
DRWN													TITAN			
CHKD									MATERIAL				FINISH/COLOUR			
APPD													POWDER COATING			
													BLACK (RAL 9005)			
SCALE			1:10						TITLE				PART NO			
WEIGHT IN g			31039.6						DOOR WMT - LH				558650410			
													REV A			
													SHEET 1/1			

Exploded view diagram of a window frame assembly. The diagram shows the frame, sash, and handle components. The components are numbered as follows:

- 1: Top frame rail
- 2: Side frame rail
- 3: Sash handle
- 4: Sash handle bracket
- 5: Sash handle pin
- 6: Sash handle pin
- 7: Sash handle pin
- 8: Bottom frame rail
- 9: Sash handle pin
- 10: Sash handle pin
- 11: Sash handle pin
- 12: Sash handle pin

Text labels:

- 6 PLS (near callout 12)
- 2 PLS (near callout 5)

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT



INSPECTION REPORT

Part Number : 558650410

Customer Name: ROOTS [TITAN]

Sample Qty. : 01

Part Name : Door WMT - LH

Engg. Change Level:

Date : 28/01/2023

Reason for Submission

PILOT

PROD.

PROTO

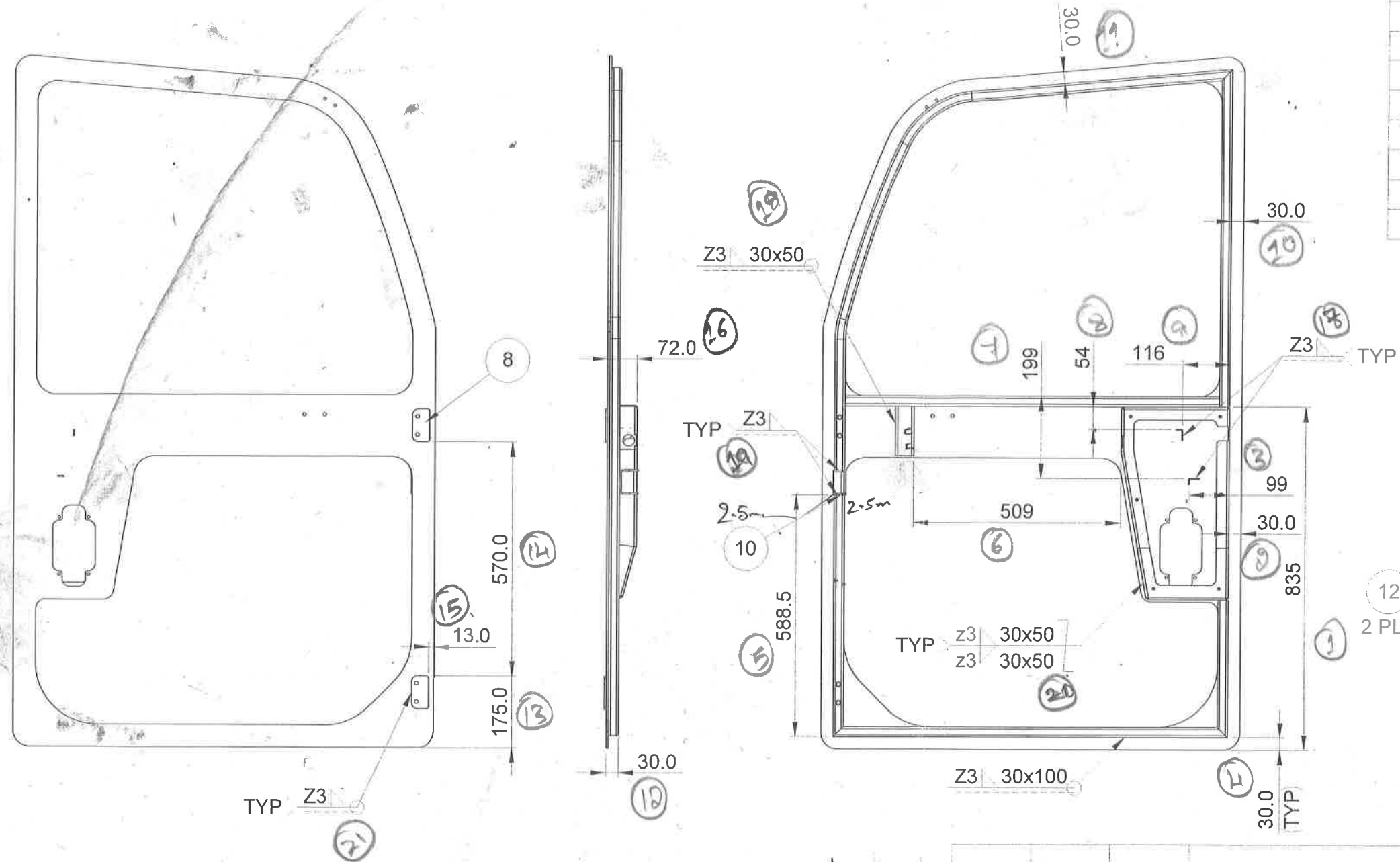
OTHERS

☒ Dimensional☐ Material☐ Appearance☐ Engineering
Specification
Testing☐ Others

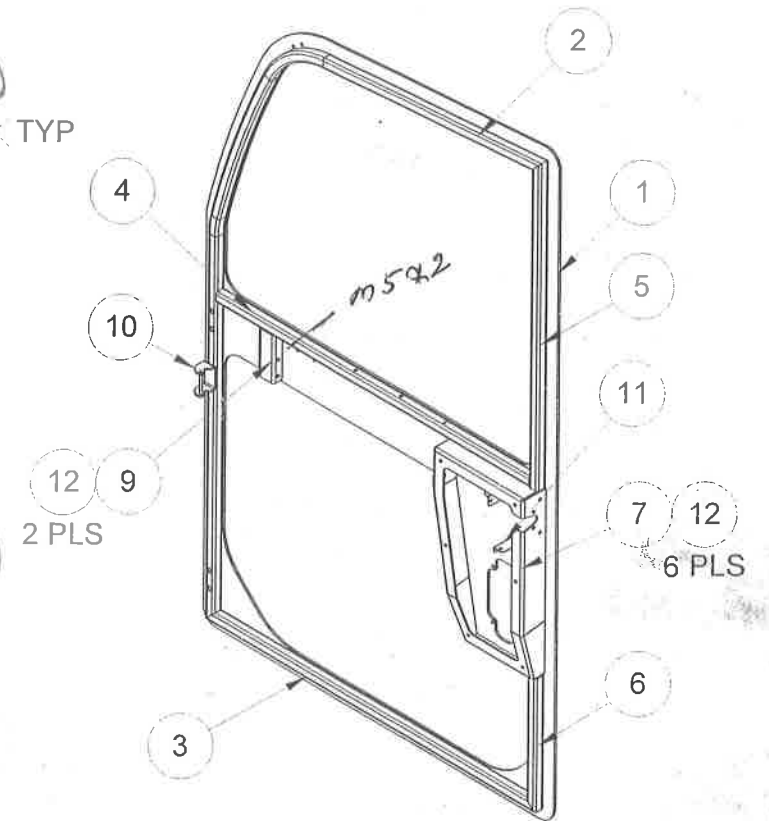
Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	966.5 \pm 2.0	MT	966					✓		
2	Dim	835 \pm 2.0	MT	832						✓	
3	Dim	30 \pm 1.0	MT	30					✓		
4	Dim	70 \pm 1.0	MT	70					✓		
5	Dim	116 \pm 1.0	MT	116					✓		
6	Dim	85 \pm 1.0	MT	84					✓		
7	Dim	174 \pm 1.0	MT	174					✓		
8	Dim	509 \pm 2.0	MT	510					✓		
9	Dim	613.5 \pm 2.0	MT	614					✓		
10	Dim	30 \pm 1.0	MT	31					✓		
11	Dim	72 \pm 1.0	MT	72					✓		
12	Dim	30 \pm 1.0	MT	30					✓		
13	Dim	13 \pm 1.0	MT	14					✓		
14	Dim	175 \pm 1.0	MT	175					✓		
15	Dim	570 \pm 2.0	MT	571					✓		
16	Welding	23A	MT/Visual						✓		
17	Welding	23A 30x50	MT/Visual						✓		
18	Welding	23A 30x50	MT/Visual						✓		
19	Welding	23A 30x50	MT/Visual						✓		
20	Welding	23A 30x100	MT/Visual						✓		
21	Welding	23A	Visual						✓		
22	Welding	23A	Visual						✓		
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

Inspected By :

Approved By :



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	553650963	PLATE - DOOR	1
2	553650964	SUPP TUBE - DOOR	1
3	553650965	BTM TUBE - DOOR	1
4	553650966	MIDDLE TUBE - DOOR	1
5	553650967	LONG TUBE - DOOR	1
6	553650968	SHORT TUBE - DOOR	1
7	553650969	MTG BKT RH - ROTARY LATCH	1
8	553650970	SPACER PLATE - HINGE	2
9	553650971	MTG BKT - DOOR HANDLE	1
10	558650395	STOPPER WMT - DOOR	1
11	553650974	END BKT - DOOR CABLE	2
12	552190003	HEX WELD NUT - STEEL - M5	8



NOTE:
1. REFER AND FOLLOW RES 552790100 FOR WELDING
2. PARTS SHOULD BE FREE FROM SHARP EDGES

TOLERANCE UNLESS SPECIFIED					
LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)					
2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000
±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
ANGULAR DIM : ± 0.5°					
MODEL (FIRST USED)					
TITAN					
PART NO			REV		
558650394			A		
SHEET			1/1		

RELEASED FOR PRODUCTION

CHANGE DESCRIPTION

ROOTS

ROOTS MULTICLEAN LIMITED
COIMBATORE - INDIA

MATERIAL

FINISH/COLOUR:
POWDER COATING
BLACK (RAL 9005)

TITLE

DOOR WMT- RH

SCALE
1:20
WEIGHT IN g
31039.54

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT



INSPECTION REPORT

Part Number : 558650314 Customer Name: ROOTS [TITAN]

Sample Qty. : 01

Part Name : DOOR WMT- RH Engg. Change Level:

Date : 28/01/2023

Reason for Submission

PILOT

PROD.

PROTO

OTHERS



Dimensional



Material



Appearance

Engineering
Specification
Testing

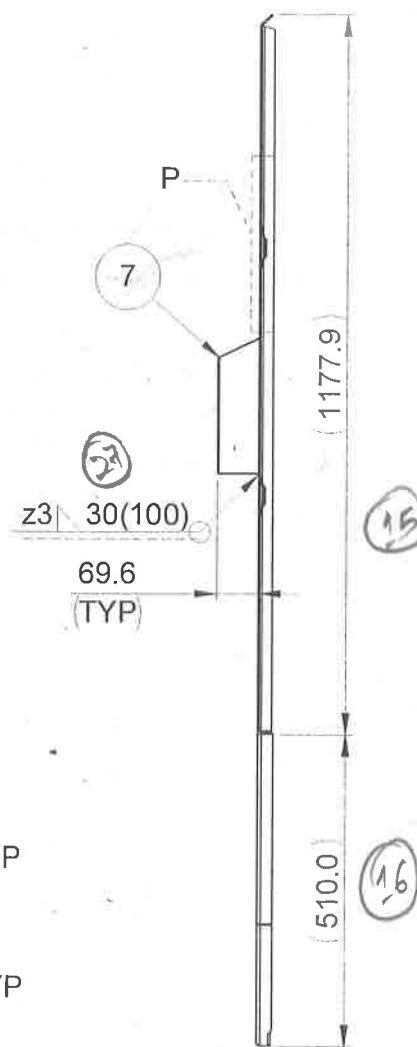
Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	835±0.0	MT	835					✓		
2	Dim	30.0±1.0	MT	30					✓		
3	Dim	99.0±1.0	MT	98					✓		
4	Dim	30.0±1.0	MT	30					✓		
5	Dim	588.5±2.0	MT	589					✓		
6	Dim	509.0±2.0	MT	509					✓		
7	Dim	199 ±1.0	MT	199					✓		
8	Dim	54 ±1.0	MT	55					✓		
9	Dim	116 ±1.0	MT	117					✓		
10	Dim	30.0 ±1.0	MT	30					✓		
11	Dim	30.0 ±1.0	MT	30					✓		
12	Dim	30.0 ±1.0	MT	30					✓		
13	Dim	175.0 ±1.0	MT	175					✓		
14	Dim	570.0±2.0	MT	570					✓		
15	Dim	13.0 ±1.0	MT	13					✓		
16	Dim	720 ±1.0	MT	72					✓		
17	Welding	23A	MT/Visual						✓		
18	Welding	23A 30x50	MT/Visual						✓		
19	Welding	23A	MT/Visual						✓		
20	Welding	23A 30x50	MT/Visual						✓		
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

Inspected By

Approved By :

ALL DIMENSIONS IN mm
DO NOT SCALE THE DRAWING



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	553650927	REAR SHEET - CABIN	1
2	553650931	REAR SHEET LH - CABIN	1
3	553650930	REAR SHEET RH - CABIN	1
4	553650928	MTG STRIP - FILTER COVER	1
5	553650932	BKT - AC HOSE ROUTING	1
6	553650929	SUPPORT STRIP - REAR SHEET	2
7	553650958	COVER - SPEAKER	2
8	553651131	MTG CLAMP - FIRE EXTINGUISHER	1
9	552190003	HEX WELD NUT - STEEL - M5	16
10	552190002	HEX WELD NUT - STEEL - M4	3

1.PARTS SHOULD BE FREE FROM BURR AND SHARP EDGES
2.REFER RES 552790100 FOR WELDING.

						TOLERANCE UNLESS SPECIFIED	
						LINEAR DIM : WELDED CONSTRUCTIONS	
						(ISO : 13920 - CLASS A)	
						2.0 TO 30	30 TO 120
						120 TO 400	400 TO 1000
						1000 TO 2000	2000 TO 4000
		RELEASED FOR PRODUCTION				±1.0	±1.0
		CHANGE DESCRIPTION				±1.0	±1.0
REV	ERN	DATE			ANGULAR DIM : ± 0.5°		
DEGN		15/07/2022	 ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA		MODEL (FIRST USED)		
DRWN					TITAN		
CHKD			MATERIAL	FINISH/COLOUR			
APPD			-/-	-/-			
SCALE			TITLE		PART NO		REV
1:50			REAR SHEET WMT - CABIN		558650390		A
WEIGHT IN g							SHEET
65466.2							1/1

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT



INSPECTION REPORT

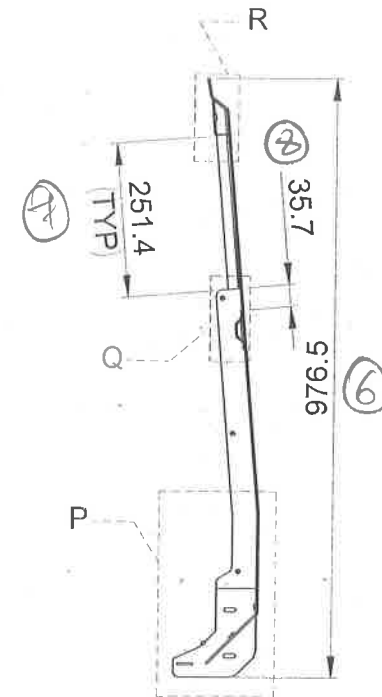
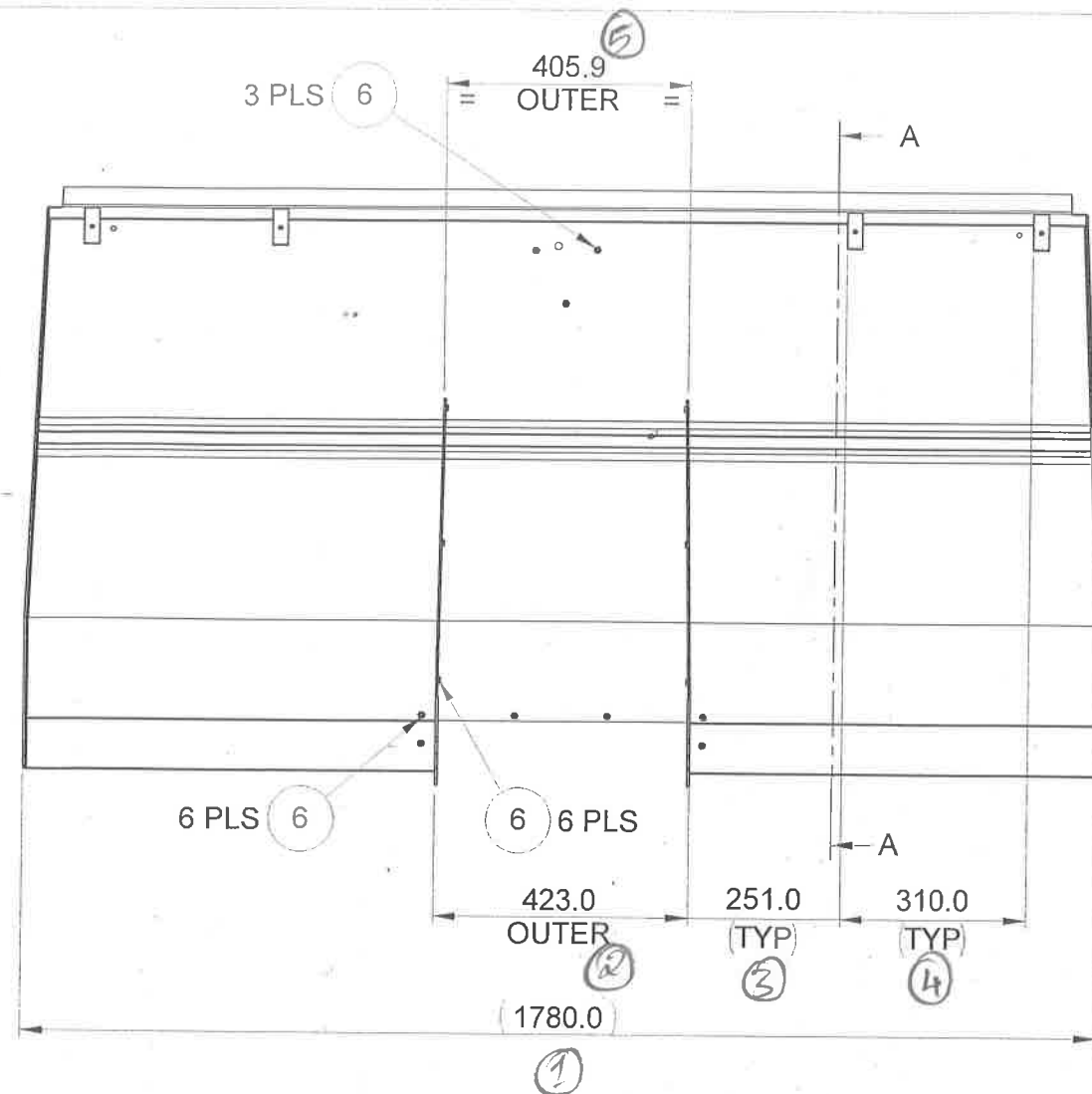
Part Number : 558650390 Customer Name: ROOTS [TITAN] Sample Qty. : 01.
 Part Name: Rear Sheet WMT-CAB Eng. Change Level: Date: 28/01/2023

Reason for Submission: ☐ PILOT ☐ PROD. ☐ PROTO ☐ OTHERS

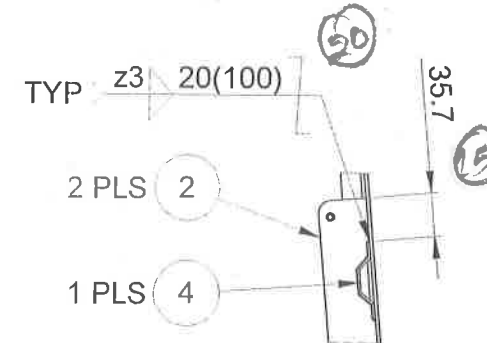
☒ Dimensional ☐ Material ☐ Appearance ☐ Engineering Specification Testing ☐ Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	1318.0 ± 3.0	MT	1317					✓		
2	Dim	231.0 ± 1.0	MT	233						✓	
3	Dim	124.5 ± 1.0	DVC	126					✓		
4	Dim	110.0 ± 1.0	MT	108						✓	
5	Dim	425.3 ± 2.0	MT	423					✓		
6	Dim	44.3 ± 2.0		Not possible							
7	Dim	1780.0 ± 3.0	MT	1780					✓		
8	Dim	345.0 ± 1.0	MT	344					✓		
9	Dim	717.5 ± 2.0	MT	718					✓		
10	Dim	661 ± 2.0	MT	660					✓		
11	Dim	338.9 ± 1.0	MT	339					✓		
12	Dim	661 ± 1.0	MT	660					✓		
13	Dim	356.9 ± 1.0	MT	357.0					✓		
14	Dim	356.9 ± 1.0	MT	356.0					✓		
15	Dim	1177.9 ± 3.0	MT	1177.0					✓		
16	Dim	570.0 ± 2.0	MT	570.0					✓		
17	Dim	29.0 ± 1.0	MT	290					✓		
18	Welding	23A 2050	MT/Visual						✓		
19	Welding	23A	Visual						✓		
20	Welding	23A	Visual						✓		
21	Welding	23A	Visual						✓		
22	Welding	23A 2050	MT/Visual						✓		
23	Welding	23A 2050	MT/Visual						✓		
24	Welding	23A 2050	MT/Visual						✓		
25	Welding	23A 2050	MT/Visual						✓		
26	Welding	23A 2050	MT/Visual						✓		
27	Welding	23A 2050	MT/Visual						✓		
28	Welding	23A 2050	MT/Visual						✓		
29											
30											
31											
32											
33											
34											
35											

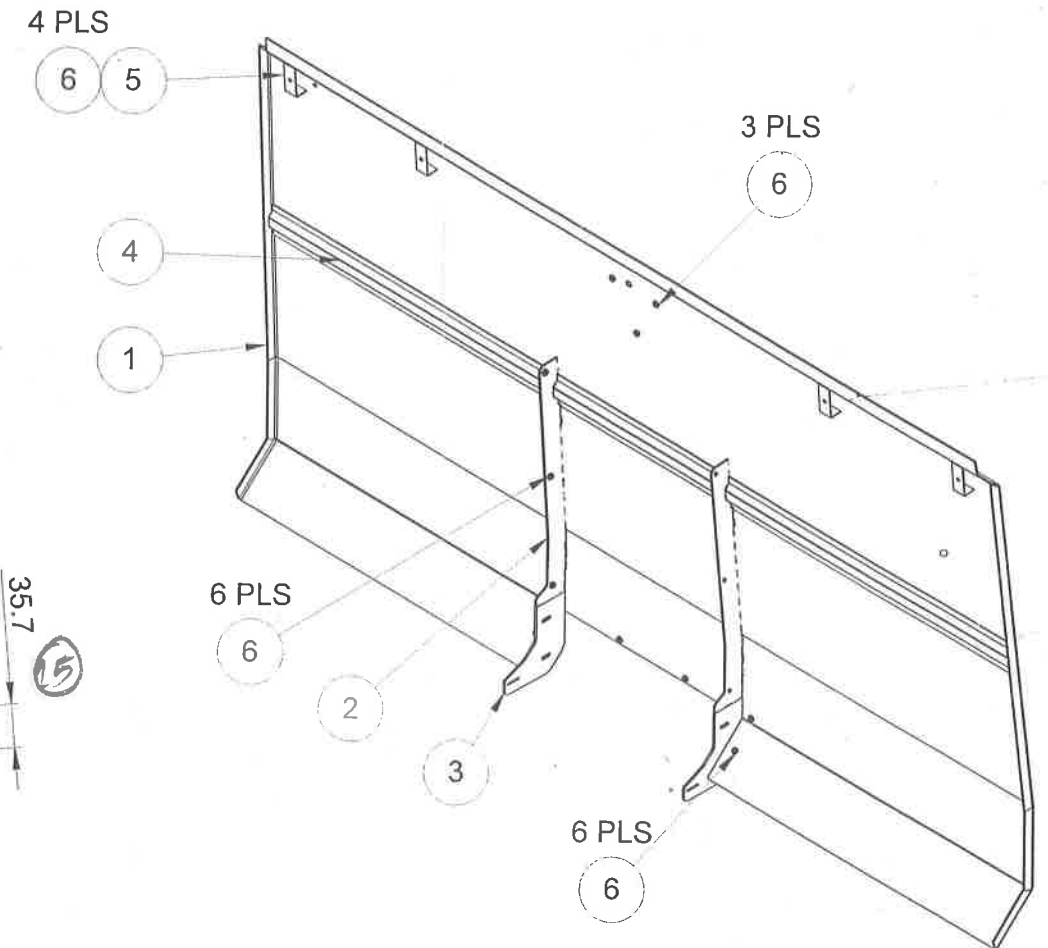
Inspected By: Approved By: 



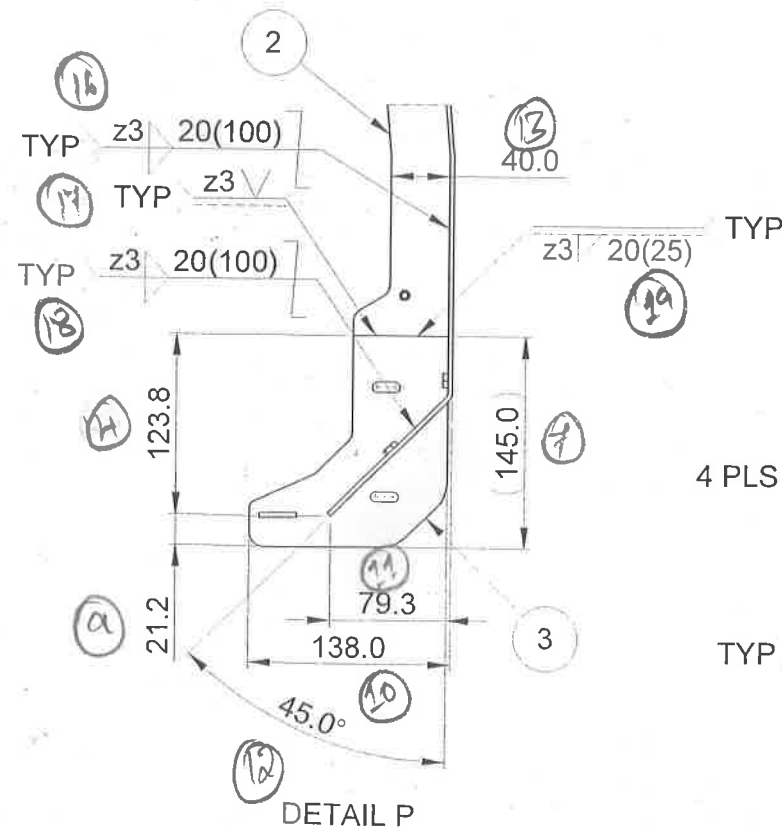
SECTION A-A



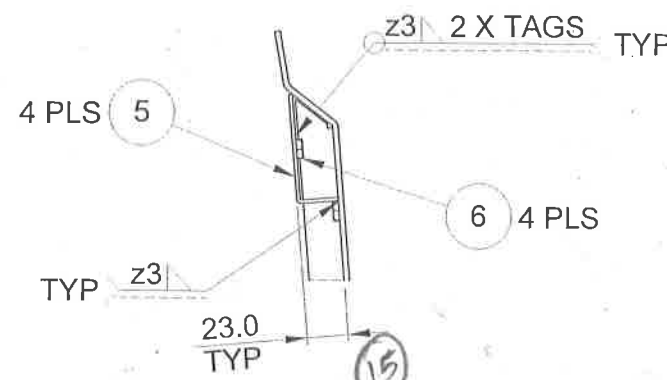
DETAIL Q



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	553650933	TOP SHEET - CABIN	1
2	553650934	MTG STRIP - AC DUCT	2
3	553650935	MTG PLATE - HVAC KIT	2
4	553650936	SUPPORT STRIP - TOP SHEET	1
5	553650937	MTG STRIP - VISOR COVER	4
6	552190003	HEX WELD NUT - STEEL - M5	19




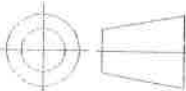
DETAIL P



DETAIL R

NOTE:

- 1.PARTS SHOULD BE FREE FROM BURR AND SHARP EDGES
- 2.REFER RES 552790100 FOR WELDING.

					TOLERANCE UNLESS SPECIFIED LINEAR DIM : WELDED CONSTRUCTIONS (ISO : 13920 - CLASS A)					
					2.0 TO 30	30 TO 120	120 TO 400	400 TO 1000	1000 TO 2000	2000 TO 4000
			RELEASED FOR PRODUCTION		±1.0	±1.0	±1.0	±2.0	±3.0	±4.0
REV	ERN	DATE	CHANGE DESCRIPTION		ANGULAR DIM : ± 0.5°					
DEGN		15/07/2022	 ROOTS MULTICLEAN LIMITED COIMBATORE - INDIA		MODEL (FIRST USED)					
DRWN					TITAN					
CHKD			MATERIAL	FINISH/COLOUR						
APPD			-/-	-/-						
SCALE			TITLE		PART NO			REV		
1:50			TOPSHEET WMT - CABIN		558650391			A		
WEIGHT IN g										
44815.5								SHEET 1/1		

F/QA/03

Mag Engineering QUALITY ASSURANCE DEPARTMENT



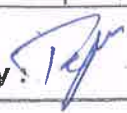
INSPECTION REPORT

Part Number : 558650391 Customer Name : ROOTS [TITAN] Sample Qty : 01
 Part Name : Top sheet WMT CARD Engg. Change Level: _____ Date : 28/01/2023

Reason for Submission ☐ PILOT ☐ PROD. ☐ PROTO ☐ OTHERS

☒ Dimensional ☐ Material ☐ Appearance ☐ Engineering Specification Testing ☐ Others

Sl. No.	Characteristic	Specification	Instrument Used	Observation					Conformance		Remarks
				1	2	3	4	5	OK	Not OK	
1	Dim	1780.8±3.0	MT	1778					✓		
2	Dim	423.0±2.0	MT	422					✓		
3	Dim	251.0±1.0	MT	251.0					✓		
4	Dim	310.0±1.0	MT	310.0					✓		
5	Dim	405.9±2.0	MT	406.0					✓		
6	Dim	976.5±2.0	MT	977					✓		
7	Dim	251.4±1.0	MT	250					✓		
8	Dim	35.7±1.0	MT	36					✓		
9	Dim	21.2±1.0	MT	19					✓	✓	
10	Dim	138.0±1.0	MT	140.0						✓	
11	Dim	79.3±1.0	MT	82						✓	
12	Angle	45.0°	BP	45°					✓		
13	Dim	40.0±1.0	MT	40.0					✓		
14	Dim	123.8±1.0	MT	123.0					✓		
15	Dim	28.0±1.0	MT	28.0					✓		
16	Welding	3A 20(100)	MT/Visual						✓		
17	Welding	3A 20(100)	Visual						✓		
18	Welding	3A 20(100)	MT/Visual						✓		
19	Welding	3A 20(100)	MT/Visual						✓		
20	Welding	3A 20(100)	MT/Visual						✓		
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

Inspected By : Approved By : 