

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315 - 1000	1000 - 2000	2000 - 4000	ABOVE 4000	RA
TOLERANCE		+0.1	+0.2	+0.3	+0.5	+0.8	±1.2	±2	±3	~

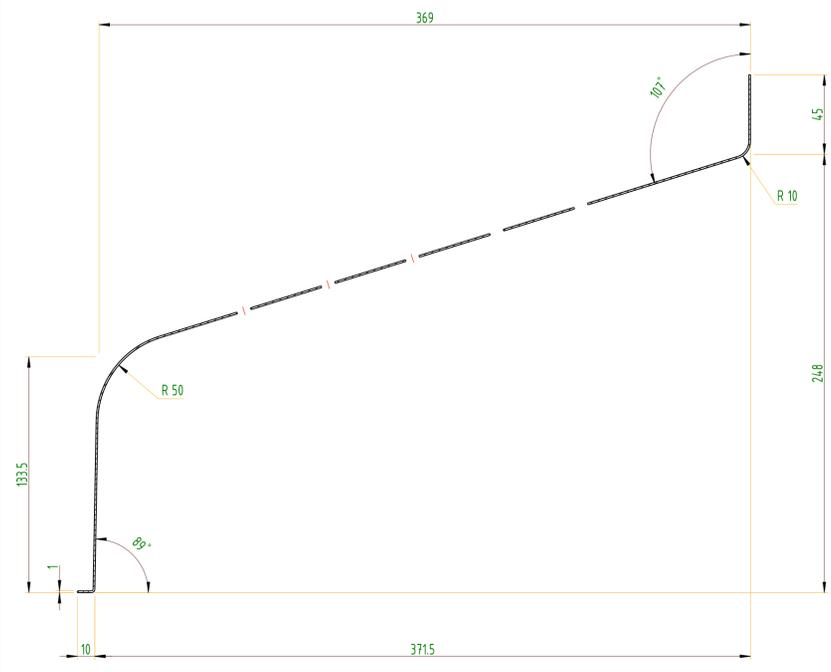
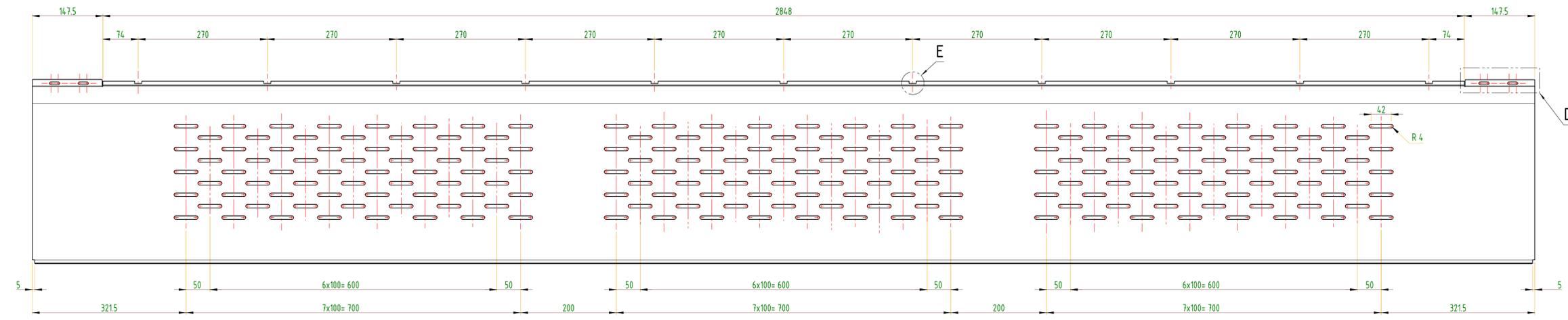
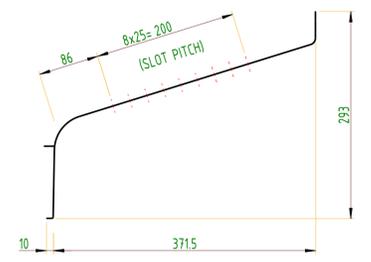
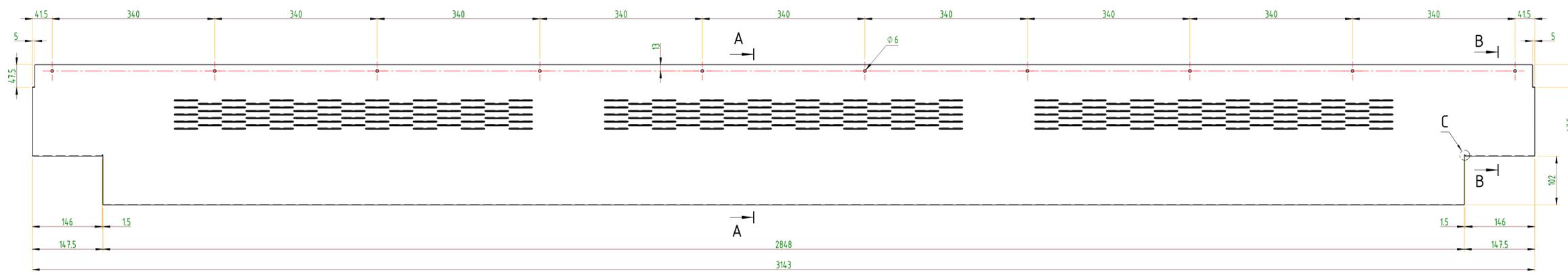
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-223

UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-II) (MEDIUM)

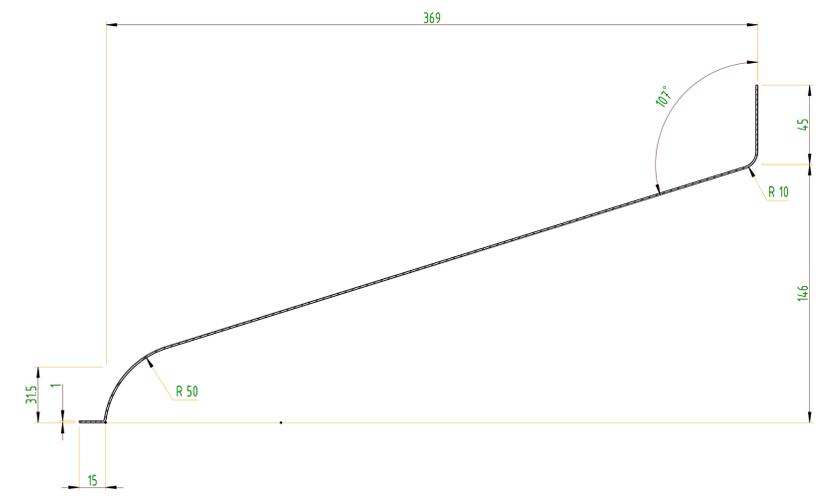
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS-1012.C

WELDING SHALL BE CARRIED OUT AS PER IS-9595-96

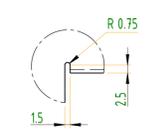
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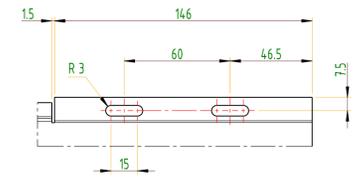
SECTION A-A
SCALE 1:2



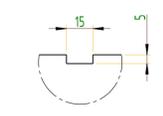
SECTION B-B
SCALE 1:2



DETAIL C
SCALE 1:1 (TYP)



DETAIL D
SCALE 1:2 (TYP)



DETAIL E
SCALE 1:2 (TYP)

NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. REMOVE ALL SHARP EDGES AND BURRS.

UNCONTROLLED

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./IS	WT. (Kg)
			PRODUCT	MUMBAI METRO CARS L2&L7		
			REF. DRG.			
			MATERIAL	SUS 304 / AISI 304, No. 2B FINISH		
			HEAT TREAT.	APPD		30/11/2019
			SURFACE TREAT.	REVO		30/11/2019
			TITLE	CHKD		30/11/2019
				DRWN		30/11/2019
				SCALE		1 of 1
				SHEET		13.45 Kg
				DRG No.		ALT
						0

COVER

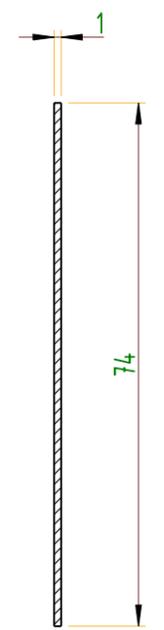
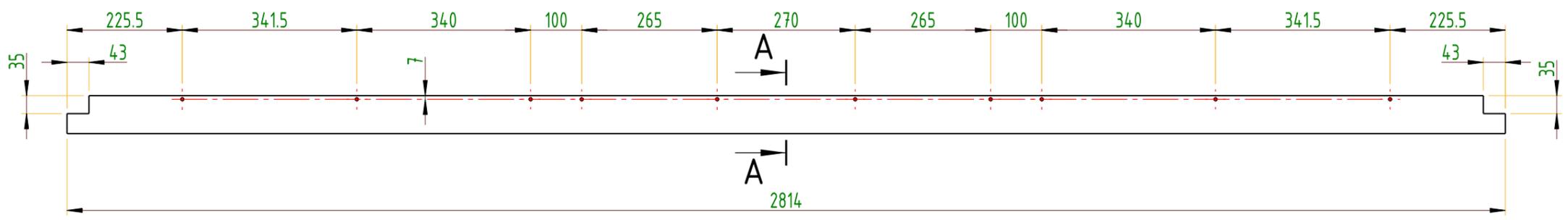
beml BEMAL LIMITED

525-23113

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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)								QUALITY OF WELD JOINTS REF. RD 230 MEDIUM		
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.										STATUS: PROTO/PRODUCTION
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										



SECTION A-A
SCALE 1:1

UNCONTROLLED

- NOTE:**
- ALL DIMENSIONS ARE IN mm.
 - REMOVE ALL SHARP EDGES AND BURRS.

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
			PRODUCT	MUMBAI METRO CARS L2&L7		
			REF DRG	-		
			MATERIAL	SUS 304 / AISI 304, No. 2B FINISH		
			HEAT TREAT.	-	APPD	<i>[Signature]</i> 30/11/2019
			SURFACE TREAT.	-	REVD	<i>[Signature]</i> 30/11/2019
			TITLE	BASE		
			CHKD	<i>[Signature]</i>		30/11/2019
			DRWN	<i>[Signature]</i>		30/11/2019
			SCALE	1:10	SHEET	1 OF 1
			DRG No.	525-23114		Wt. 1.6 Kg
ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	ALT 0



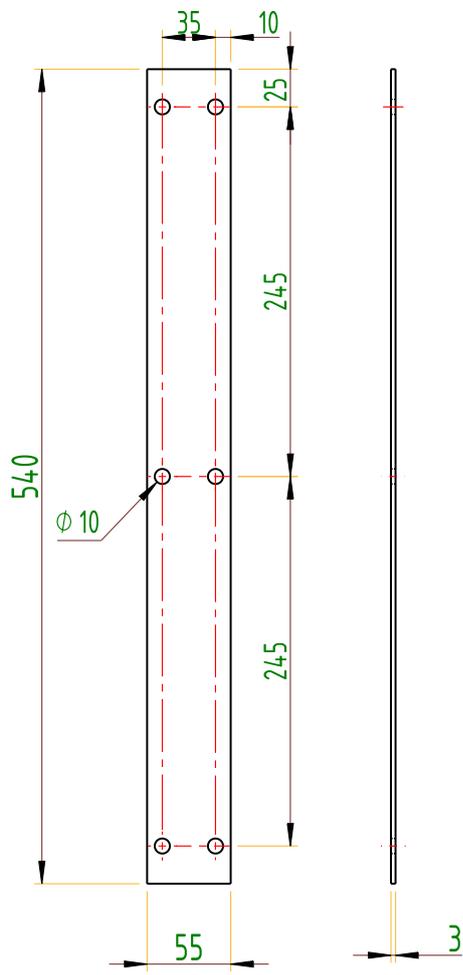
525-23114

ALT 0

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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)							QUALITY OF WELD JOINTS REF, RD 230 MEDIUM			
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.										
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96							STATUS:		PROTO/PRODUCTION	



UNCONTROLLED

- NOTE:**
1. ALL DIMENSIONS ARE IN mm.
 2. REMOVE ALL SHARP EDGES AND BURRS.

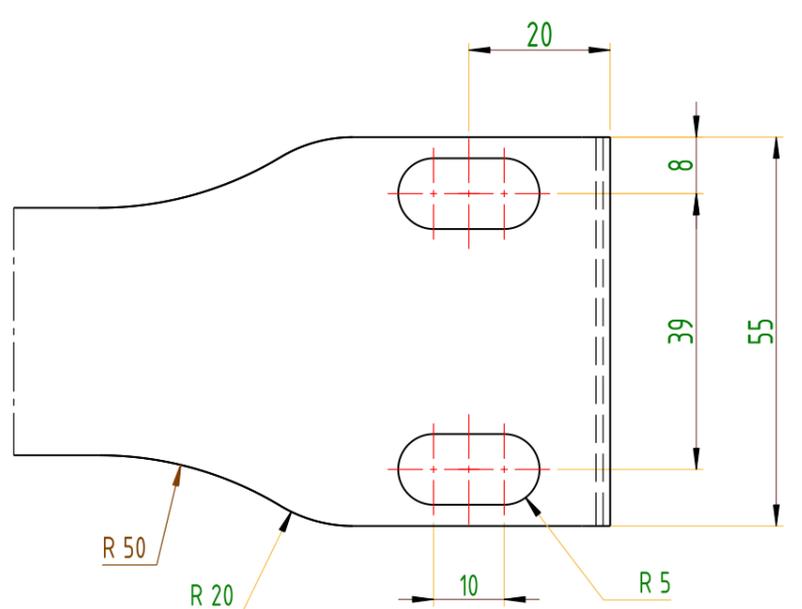
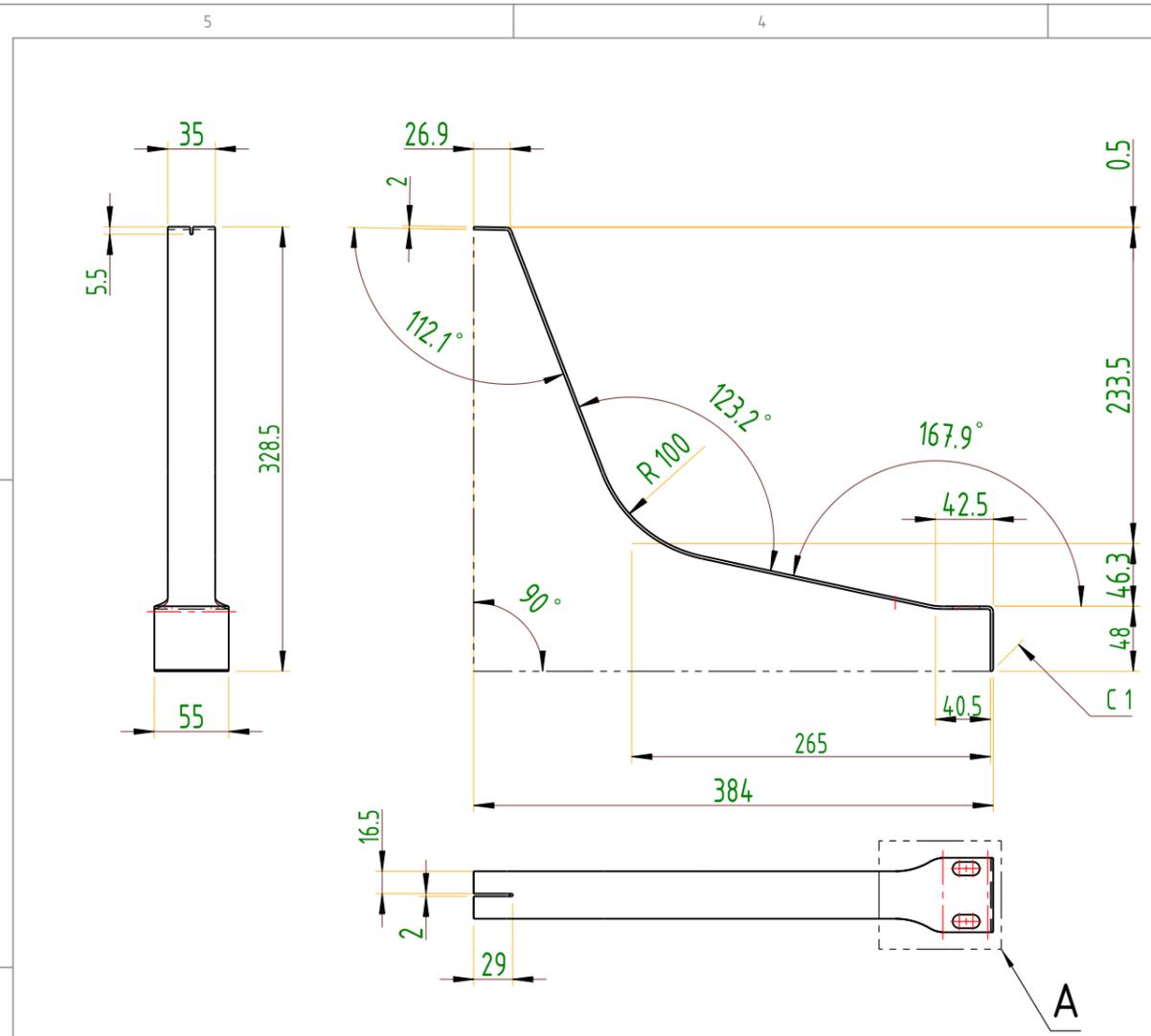
N1	0.025	▽
N2	0.05	▽
N3	0.1	▽
N4	0.2	▽
N5	0.4	▽
N6	0.8	▽
N7	1.6	▽
N8	3.2	▽
N9	6.3	▽
N10	12.5	▽
N11	25	▽
N12	50	▽
GRADE No.		▽
VALUE		▽
SYMBOL		▽
SURFACE ROUGHNESS		▽

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
					MATERIAL	
			PRODUCT	MUMBAI METRO CARS L2 & L7		
			REF DRG	-		
			MATERIAL	SUS 304 / AISI 304, No. 2B FINISH		
			HEAT TREAT.	-	APPD	30/11/2019
			SURFACE TREAT.	-	REVD	30/11/2019
			TITLE	CHKD	30/11/2019	
				DRWN	30/11/2019	
				SCALE	SHEET	Wt.
				1:5	1 OF 1	0.7kg
				DRG No.	ALT	
				525-23115	0	



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GRADE No.	VALUE	SYMBOL
ROUGHNESS		
N1	0.025	▽
N2	0.05	▽
N3	0.1	▽
N4	0.2	▽
N5	0.4	▽
N6	0.8	▽
N7	1.6	▽
N8	3.2	▽
N9	6.3	▽
N10	12.5	▽
N11	25	▽
N12	50	▽



DETAIL A
SCALE 1:1

NOTE:
 1. ALL DIMENSIONS ARE IN mm.
 2. REMOVE ALL SHARP EDGES AND BURRS.

UNCONTROLLED

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)								QUALITY OF WELD JOINTS REF. RD 230 MEDIUM		
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.										STATUS: PROTO/PRODUCTION
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)					
△			PRODUCT	MUMBAI METRO CARS L2 & L7							
△			REF DRG	-							
△			MATERIAL	SUS 304 / AISI 304, No. 2B FINISH							
△			HEAT TREAT.	APPD	<i>K. Mohith</i>	30/11/2019					
△			SURFACE TREAT.	REVD	<i>R. Purohit</i>	30/11/2019					
△			TITLE	CHKD	<i>R. Purohit</i>	30/11/2019					
△			BRACKET	DRWN	<i>K. Mohith</i>	30/11/2019					
△				SCALE	1:5	SHEET	1 OF 1				
△			ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	DRG No.	Wt.	ALT
			BEML LIMITED NEW FRONTIERS. NEW DREAMS				525-23116	0			

