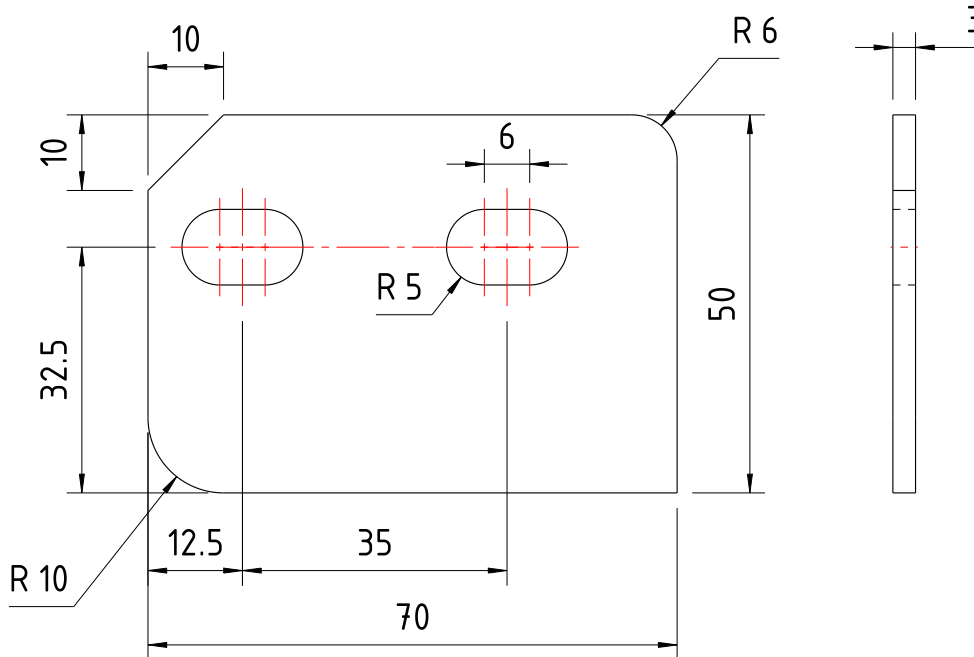


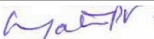

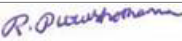











FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227		
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)	QUALITY OF WELD JOINTS REF, RD 230 MEDIUM	
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.	STATUS:	PROTO/PRODUCTION
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96		



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

UNCONTROLLED

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	SUPPORT	CHKD		30/11/2019	
						DRWN			30/11/2019		
						SCALE				SHEET	Wt.
								1:1			1 OF 1
							DRG No.				
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	 BEML LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>		525-23123			

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)

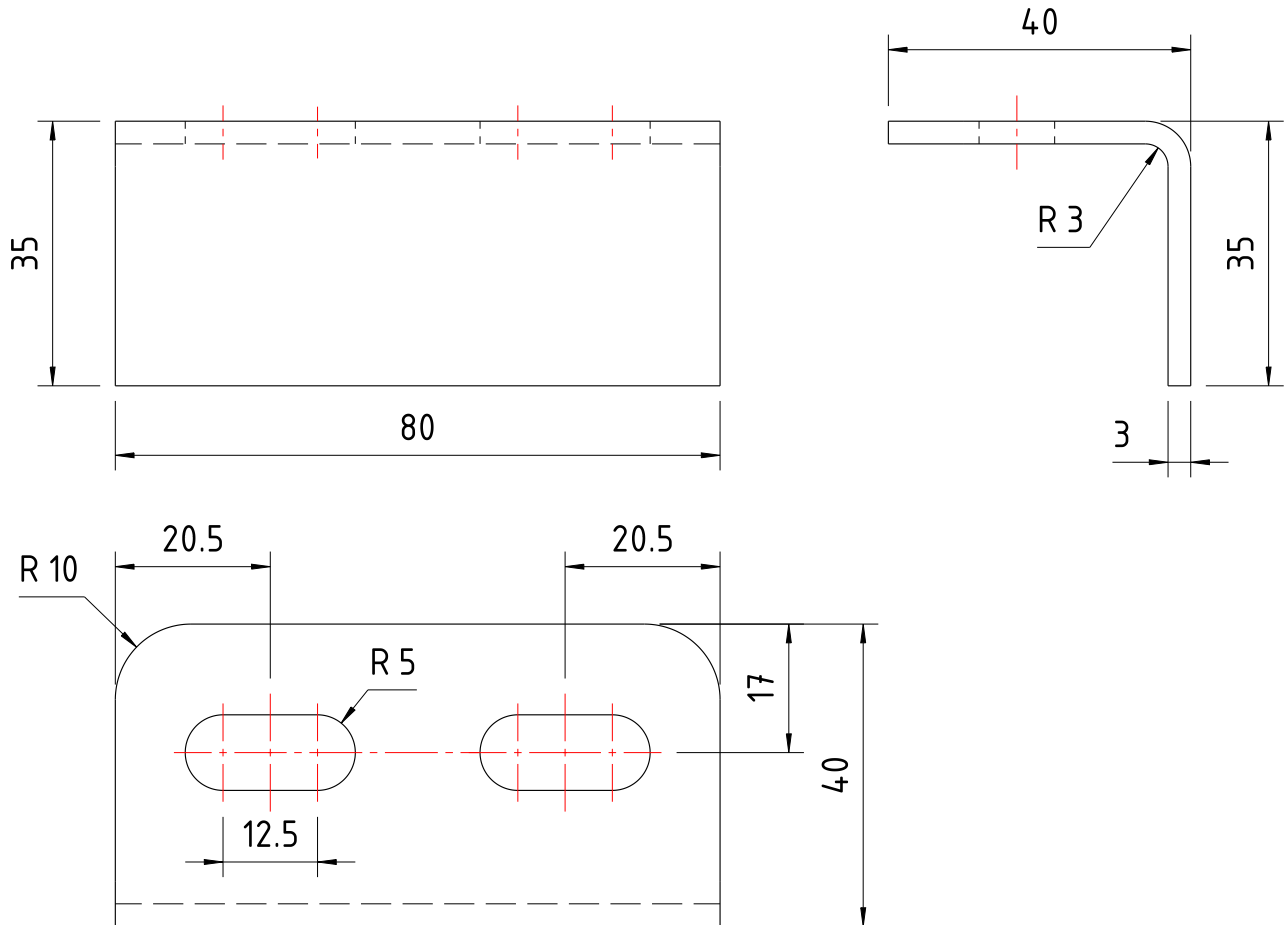
QUALITY OF WELD JOINTS REF, RD 230 MEDIUM

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



NOTE:

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

UNCONTROLLED

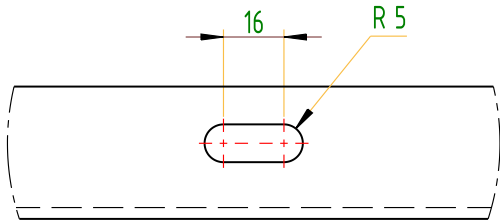
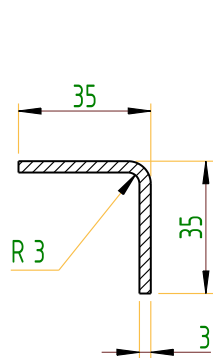
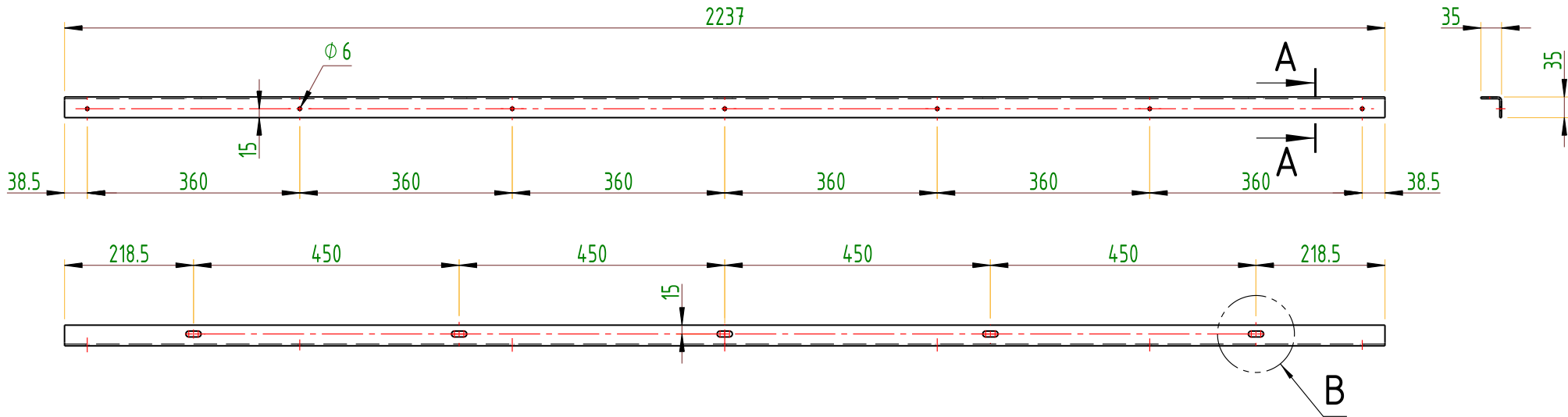
GRADE No.	VALUE	SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	PRODUCT	MATERIAL	
							MUMBAI METRO CARS L2&L7		
							REF DRG	-	
							MATERIAL	SUS 304 / AISI 304, No. 2B FINISH	
							HEAT TREAT.	-	
							SURFACE TREAT.	-	
							TITLE		
							APPD	<i>K. Mohith</i>	30/11/2019
							REVD	<i>R. P. P. P. P. P.</i>	30/11/2019
							CHKD	<i>R. P. P. P. P. P.</i>	30/11/2019
							DRWN	<i>K. Mohith</i>	30/11/2019
							SCALE	1:1	
							SHEET	1 OF 1	
							Wt.	0.12 Kg	
							DRG No.	525-23124	
							ALT	0	

BEML LIMITED
NEW FRONTIERS. NEW DREAMS

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GRADE No.	N1	0.025	▽
VALUE	N2	0.05	▽
SYMBOL	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	▽
SURFACE			
ROUGHNESS			

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 1:2

DETAIL B
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./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	SUPPORT		
				CHKD	30/11/2019	
				DRWN	30/11/2019	
△				SCALE	1:10	1 OF 1
						3.4 Kg
ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	ALT
						0



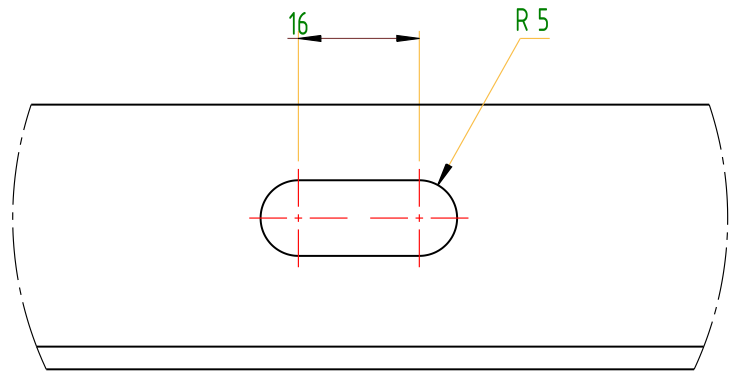
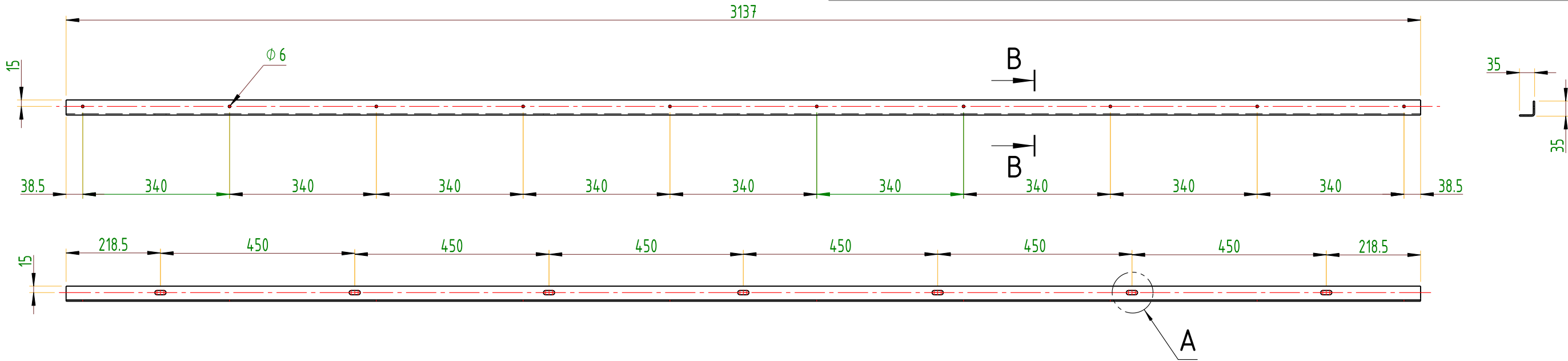
525-23125

A3

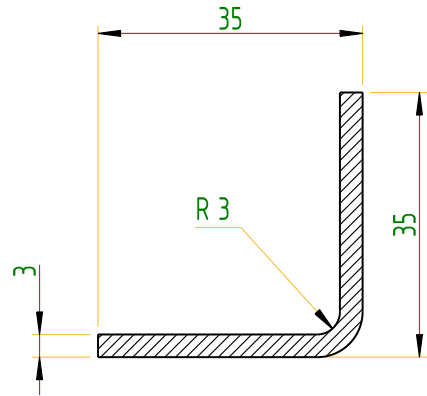
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	SYMBOL
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
SURFACE													
ROUGHNESS													

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										



DETAIL A
SCALE 1:1



SECTION B-B
SCALE 1:1

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./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
			TREAT. TITLE	-	CHKD	30/11/2019
					DRWN	30/11/2019
					SCALE	
					1:10	
					SHEET	
					1 OF 1	
					Wt.	
					4.80 Kg	
ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	ALT
						0

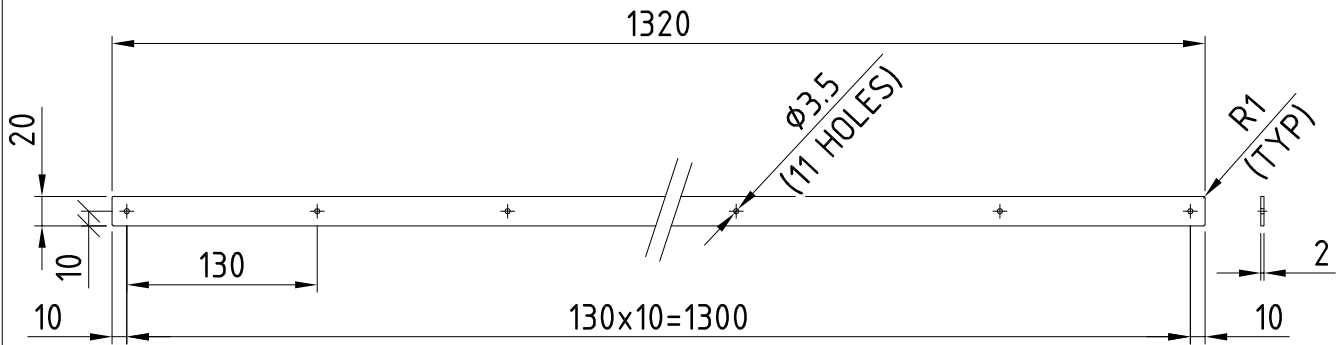
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NEW FRONTIERS. NEW DREAMS

525-23126

A3

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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										





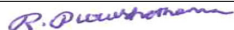



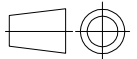



UNCONTROLLED

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		

								1320x20x2THK				
SL.No.	QTY	PART / STOCK No.					DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)		
									MATERIAL			
							PRODUCT	MUMBAI METRO CARS L2 & L7				
							REF DRG	-				
							MATERIAL	AISI 304, No. 2B FINISH				
							HEAT TREAT.	-	APPD		25/11/2019	
							SURFACE TREAT.	-	REVD		25/11/2019	
							TITLE	STIFFENER, THREE SEATER				
								CHKD		25/11/2019		
								DRWN		25/11/2019		
								SCALE		SHEET	Wt.(Kg)	
							1:5		1 OF 1	-		
								DRG No.		ALT		
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	 BEML LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>	525-23138					