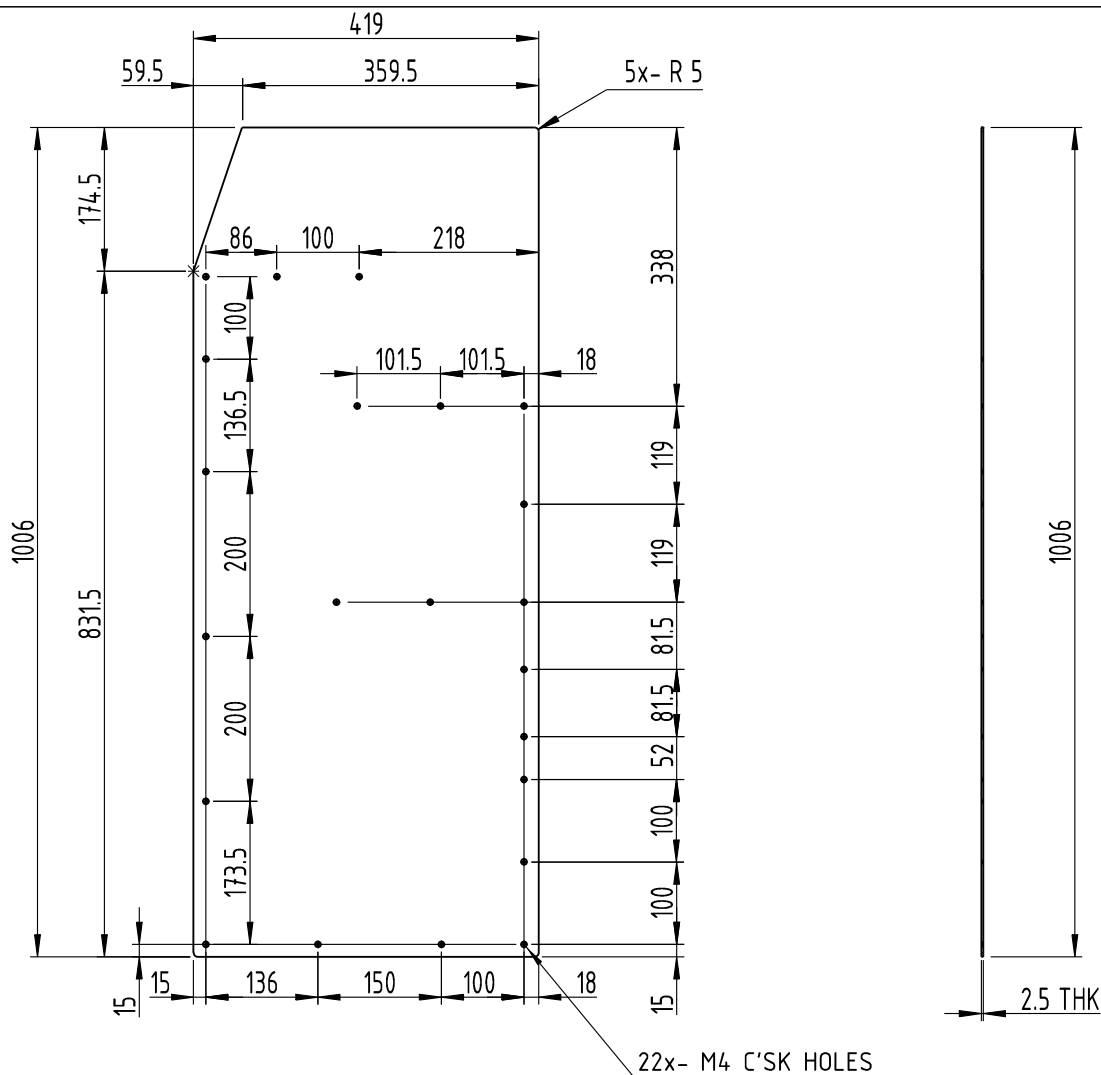


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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER 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										



NOTE:

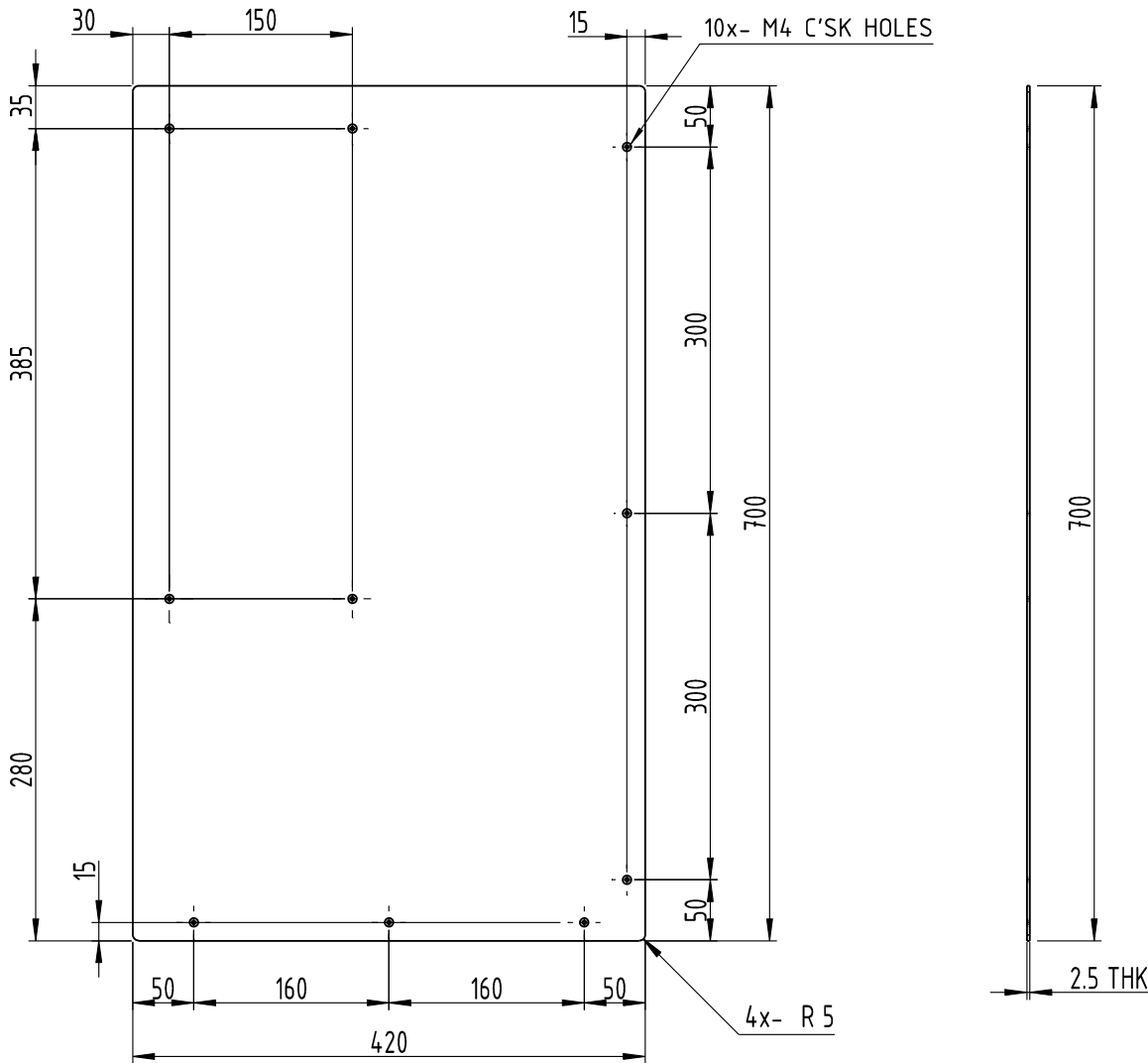
1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

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N7 1.6	N8 3.2	N9 6.3	N10 12.5	N11 25	N12 50	GRADE No. VALUE SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)	
												MATERIAL		
										PRODUCT	MUMBAI METRO CARS - L2 & L7			
										REF DRG				
										MATERIAL	ALUMINIUM ALLOY 5052 H32 AS PER ASTM B209			
										HEAT TREAT.	APPD		08.06.2020	
										SURFACE TREAT.	REVD		08.06.2020	
										TITLE	CHKD		08.06.2020	
										PANEL PLATE	DRWN		08.06.2020	
											SCALE		SHEET	Wt.
											1:1		1 OF 1	-
										DRG No.			ALT	
										525-18259				
SURFACE ROUGHNESS							ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	BEML LIMITED	
													NEW FRONTIERS. NEW DREAMS	

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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										



NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

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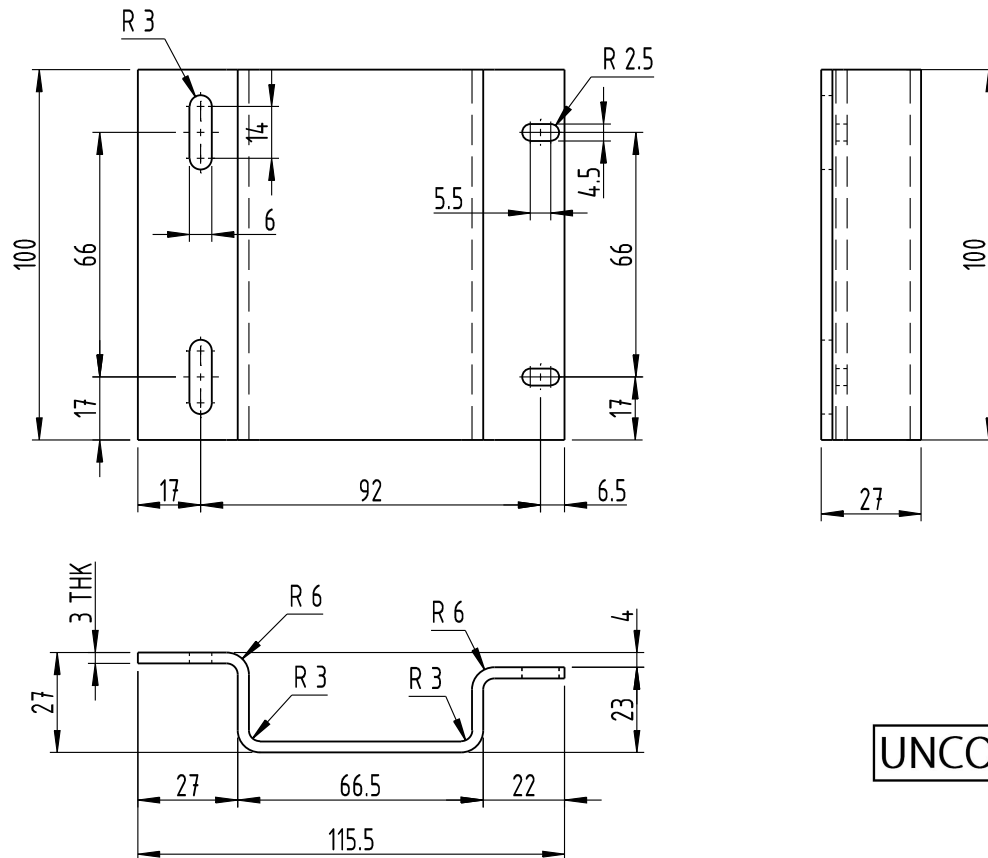
GRADE No.	VALUE	SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S		Wt. (Kg)	
								MATERIAL			
N7	1.6	▽	△					PRODUCT	MUMBAI METRO CARS - L2 & L7		
N8	3.2	▽									
N9	6.3	▽	△					REF DRG			
N10	12.5	▽									
N11	25	▽	△					MATERIAL	ALUMINIUM ALLOY 5052 H32 AS PER ASTM B209		
N12	50	▽									
SURFACE ROUGHNESS	ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPO	PANEL PLATE	HEAT TREAT.	APPD	08.06.2020	
								SURFACE TREAT.	REVD	08.06.2020	
								TITLE	CHKD	08.06.2020	
								DRWN	08.06.2020		
								SCALE	1:1	SHEET	1 OF 1
DRG No.								525-18269		ALT	△ -



BEML LIMITED

525-18269

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										



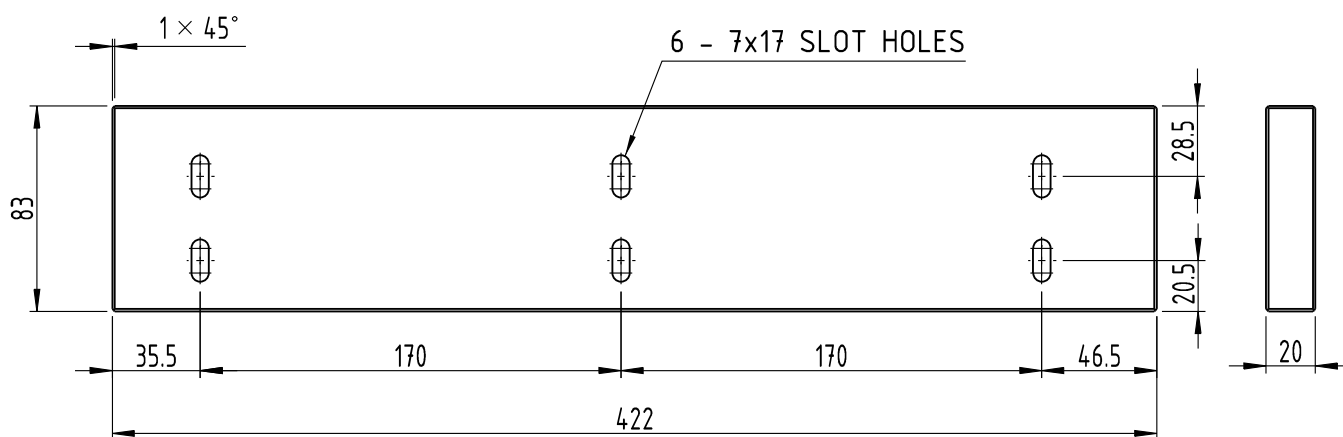
UNCONTROLLED

## NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

GRADE No.	VALUE	SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
								MATERIAL	
N1	0.025	✓				PRODUCT	MUMBAI METRO CARS - L2 & L7		
N2	0.05	✓				REF DRG			
N3	0.1	✓				MATERIAL	ALUMINIUM ALLOY 5052 H32 AS PER ASTM B209		
N4	0.2	✓				HEAT TREAT.	APPD	11.06.2020	
N5	0.4	✓				SURFACE TREAT.	REVD	11.06.2020	
N6	0.8	✓				TITLE	CHKD	11.06.2020	
N7	1.6	✓				COVING BRACKET	DRWN	11.06.2020	
N8	3.2	✓					SCALE	1:2	
N9	6.3	✓					SHEET	1 OF 1	
N10	12.5	✓					DRG No.	525-18347	
N11	25	✓				BEML LIMITED			
N12	50	✓				NEW FRONTIERS. NEW DREAMS			
ALT. NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD				






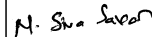





MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR 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										



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NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE ALL SHARP EDGES & BURRS.
4. THE EXPOSED SURFACE OF SPACER SHALL BE ANODISED AS PER IS: 1868 TO Gr. AC10 AFTER MAKING SLOTS.
5. THE SPACER SHALL BE APPROVED BEFORE BULK PRODUCTION.

SL.No.	QTY	PART / STOCK No.				DESCRIPTION	SIZE	COMPANY STD./I.S		Wt. (Kg)		
								MATERIAL				
						PRODUCT	MUMBAI METRO CARS - L2 & L7					
						REF DRG						
						MATERIAL	ALUMINIUM ALLOY 5052 H32 AS PER ASTM B209					
						HEAT TREAT.		APPD		11.06.2020		
						SURFACE TREAT.		REVD		11.06.2020		
						TITLE	SPACER FOOT REST			CHKD		11.06.2020
										DRWN		11.06.2020
										SCALE		
							1:3			1 OF 1	-	
ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	 <b>BEM</b> <b>LIMITED</b> <small>NEW FRONTIERS. NEW DREAMS</small>		DRG No.		ALT		
								525-18241		