

Technical drawing of a mechanical part, showing front and side views with dimensions and callouts.

Front View (Left):

- Overall width: 30
- Overall height: 30
- Top hole: Diameter 15, centered horizontally.
- Bottom holes: Two holes, each with a diameter of 6 (indicated by $\phi 6$ in the callout).
- Horizontal spacing: 7 units from the left edge to the center of the first bottom hole, and 16 units between the centers of the two bottom holes.
- Vertical spacing: 7 units from the bottom edge to the center of the bottom holes.
- Callout 1: Points to the top hole.
- Callout 2: Points to the bottom holes, labeled "2- $\phi 6$ HOLES".

Side View (Right):

- Overall width: 26.5
- Overall height: 9
- Top hole: Diameter 15, centered horizontally.
- Bottom holes: Two holes, each with a diameter of 6 (indicated by $\phi 6$ in the callout).
- Horizontal spacing: 7 units from the left edge to the center of the first bottom hole, and 16 units between the centers of the two bottom holes.
- Vertical spacing: 7 units from the bottom edge to the center of the bottom holes.
- Callout 1: Points to the top hole.
- Callout 2: Points to the bottom holes, labeled "2- $\phi 6$ HOLES".
- Callout 3: Points to the top hole, labeled "141(TYP)".

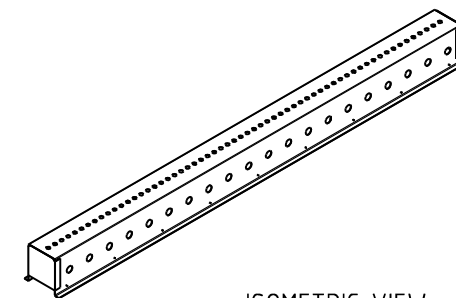
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE ALL SHARP EDGES AND BURRS.
4. WELDING SYMBOLS AS PER ISO 2553.
5. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

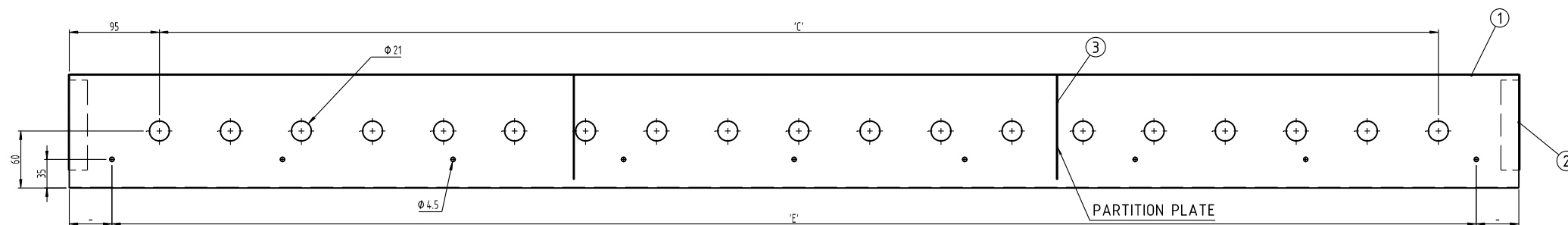
2	1	525-19140-02	PIN	Ø5	A6063-T5, ASTM B221	
1	1	525-19140-01	PLATE	30x30x1THK	A5052P, ASTM B209	
SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	
					MATERIAL	
						Wt. (Kg)

						PRODUCT	MUMBAI METRO CARS - L2 & L7				
						REF DRG					
						MATERIAL	-				
						HEAT TREAT.		APPD		20.05.2020	
						SURFACE TREAT.		REVD		20.05.2020	
						TITLE	CEILING COVER LOCATING PIN	CHKD		20.05.2020	
						DRWN			20.05.2020		
						SCALE			SHEET	Wt.	
						NTS			1 OF 1	-	
						DRG No.				ALT	
						525-19140					
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	BEM LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>					

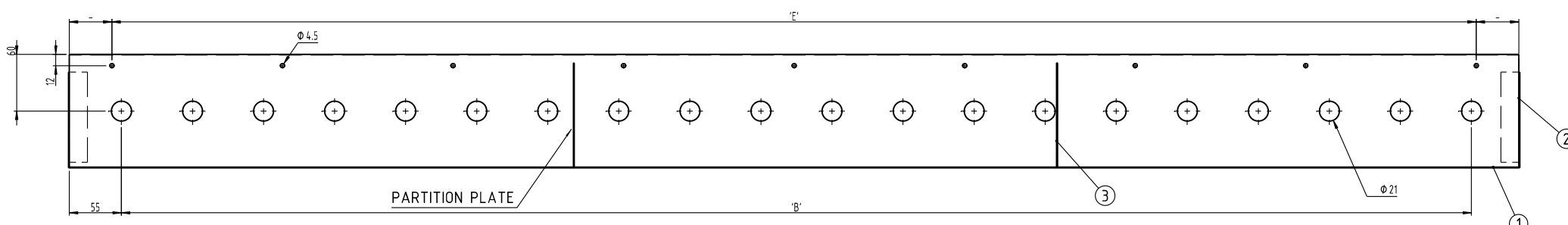
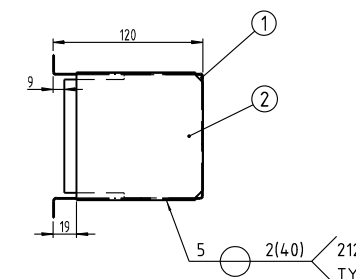
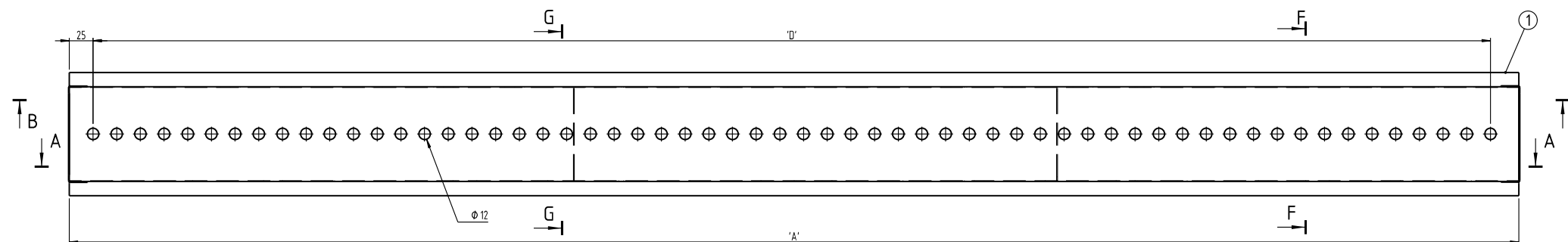
3		2						1			
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS		RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
TOLERANCE		±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. 217											
UNSPECIFIED TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 202 (PT-I) (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/	



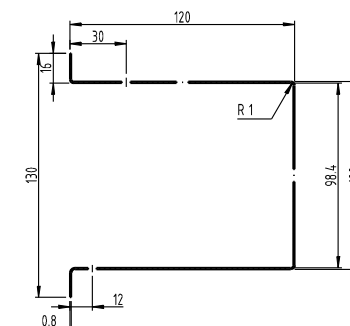
ISOMETRIC VIEW



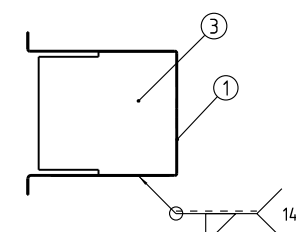
SECTION B-B



SECTION A-A



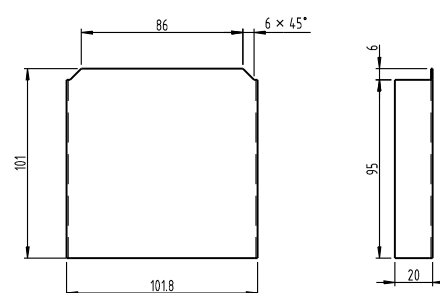
SECTION F-F



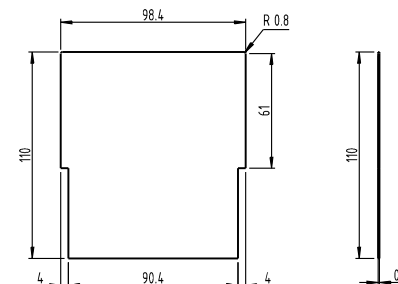
SECTION G-G

UNCONTROLLED

PART NO	'A'	'B'	'C'	'D'	'E'	NO OF ITEM-3 (PARTITION PLATES) /BOX	NO OF ITEM- 2 /BOX	BOX QTY/DM	BOX QTY/M	BOX QTY/T
525-19145-401	409	5x75	4x75	15x25	160x2=320	-	2	4	4	4
525-19145-402	485	6x75	5x75	18x25	195x2=390	-	2	2	-	-
525-19145-403	670	8x75	8x75	-	190x3=570	1	2	4	4	4
525-19145-404	770	9x75	9x75	30x25	225x3=675	1	2	-	4	4
525-19145-405	860	11x75	10x75	33x25	255x3=765	1	2	4	4	4
525-19145-406	1067	14x75	13x75	21x50	195x5=975	2	2	2	2	2
525-19145-407	1216	16x75	15x75	-	188x6=1128	2	2	4	4	4
525-19145-408	1532	20x75	19x75	60x25	180x8=1440	3	2	2	2	2
525-19145-409	1761	23x75	22x75	34x50	180x9=1620	3	2	2	2	2
525-19145-410	497	6x75	5x75	19x25	210x2=420	-	2	2	-	-
525-19145-411	1246	16x75	15x75	49x25	195x6=1170	2	2	-	4	4
525-19145-412	1048	13x75	13x75	41x25	190x5=950	2	2	2	-	-
525-19145-413	575	7x75	6x25	22x25	160x3=480	-	2	-	4	4
525-19145-414	1216	16x25	15x25	48x25	188x6=1128	2	2	4	-	-
525-19145-415	1761	23x75	22x75	68x25	180x9=1620	3	2	2	2	2



DETAIL - 2





DETAIL - 3

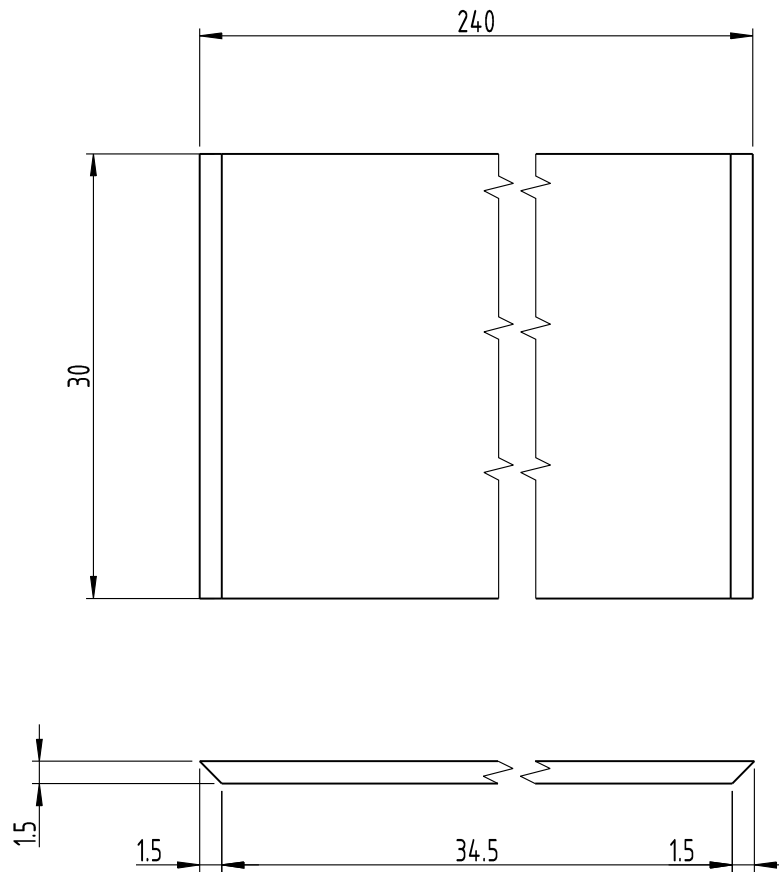
NOTES:

- NOTES:
1. REMOVE ALL SHARP EDGES & BURRS.
 2. PARTS SHALL BE ANODISED TO GRADE AC15 OF IS 1868:1996

* 3. ITEM-3 SHALL BE WELED AT EQUAL DISTANCE ALONG LENGTH OF BOX

★	3	SEE TABLE	525-19145-03	PARTITION PLATE			100x98.4x0.8 THK	
	2	SEE TABLE	525-19145-02	END PLATE			140x101x0.8 THK	
	1	SEE TABLE	525-19145-01	DISTRIBUTION BOX			0.8 THK	
	SLNO.	QTY	PART / STOCK No.			DESCRIPTION	SIZE	COMPANY STD./S. WT. (KG.) MATERIAL
	△					PRODUCT	MUMBAI METRO CARS - L2 & L7	
						REF DRG	A5052P	
	△					MATERIAL		
						HEAT TREAT	APPD	30.04.2020
						SURFACE	REVD	30.04.2020
						TREAT	CHVD	30.04.2020
	△					TITLE	DRWN	30.04.2020
						AIR DISTRIBUTION BOX		
	△					SCALE	1:3	SHEET 1 OF 1
						DRG No.	Wt. -	
	ALT.NO.	ECN NO/CHANGES		DATE	BY	APPROVED	AL	
						 BEML LIMITED	525-19145	


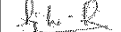



MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 – 6	6 – 30	30 – 120	120 – 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR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

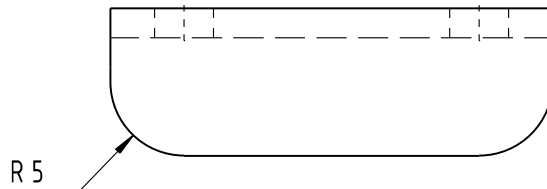
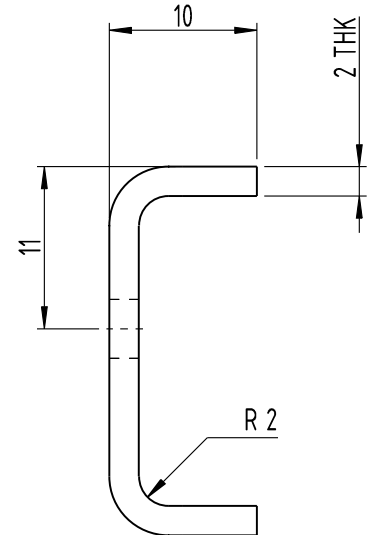
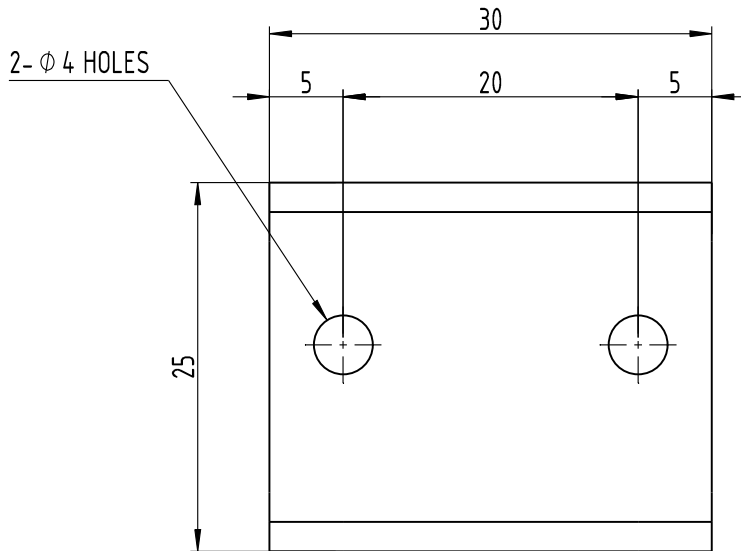
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2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5156.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

UNCONTROLLED

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	✓					△			REF DRG								
N9	6.3	✓									△			MATERIAL	A5052P, ASTM B209			
N10	12.5	✓	△			HEAT TREAT.									APPD		20.05.2020	
N11	25	✓					△			SURFACE TREAT.								REVD
N12	50	✓									△			TITLE	CHKD		20.05.2020	
SURFACE ROUGHNESS			DUCT BRACKET_CEILING															DRWN
							SCALE		SHEET	Wt.								
														NTS		1 OF 1	-	
ALT.No.							ECN NO/CHANGES		DATE	BY	CHKD	APPD	BEML LIMITED		DRG No.	525-19366		ALT
																		

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

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UNCONTROLLED

NOTE:

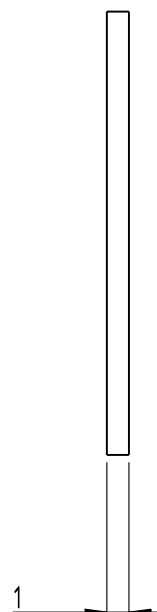
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					MATERIAL		
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N8	3.2		REF DRG				
N9	6.3		MATERIAL	A5052P, ASTM B209			
N10	12.5	△	HEAT TREAT.	APPD	20.05.2020		
N11	25		SURFACE TREAT.	REVD	20.05.2020		
N12	50		TITLE	CHKD	20.05.2020		
GRADE No. VALUE SYMBOL	△		CEILING PANEL BRACKET	DRWN	20.05.2020		
				SCALE		SHEET	Wt.
				1:1	1 OF 1	-	
SURFACE ROUGHNESS				DRG No.		ALT	
ALT.NO. ECN NO/CHANGES DATE BY CHKD APPD				525-19421			
BEML LIMITED NEW FRONTIERS. NEW DREAMS							

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

[illegible]

PROTO/PRODUCTION



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A4