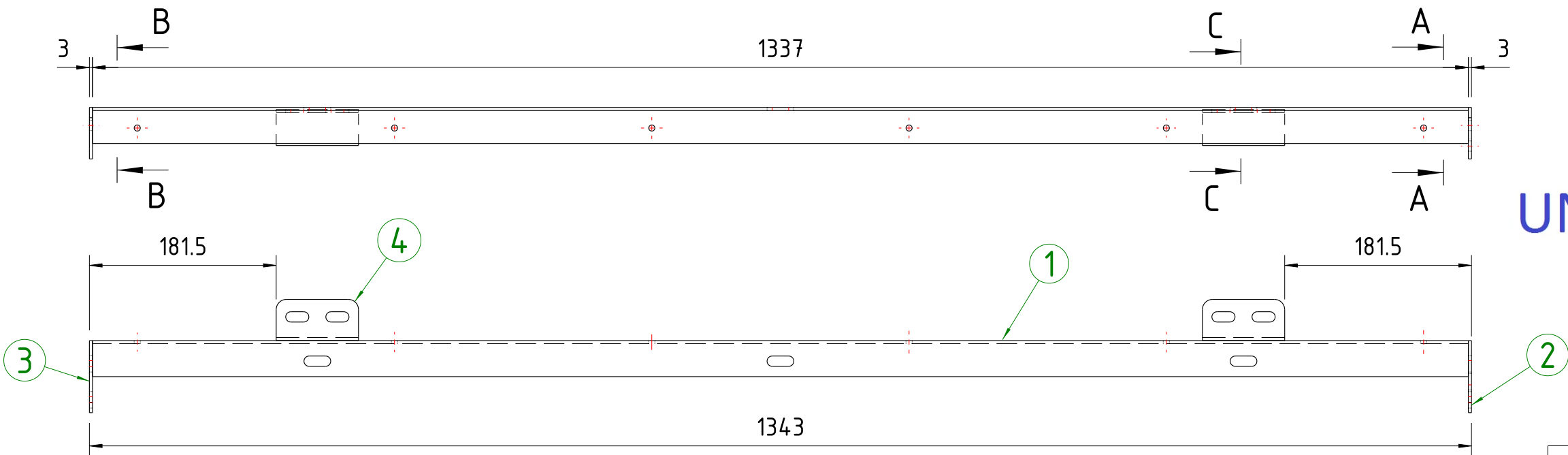


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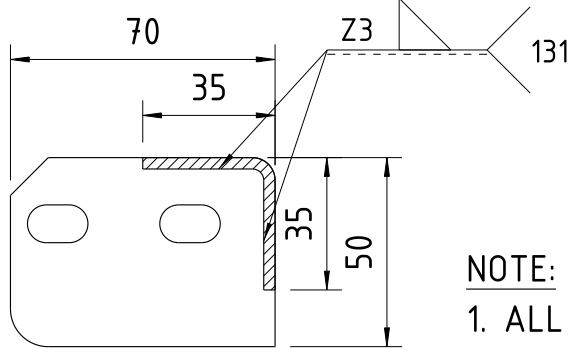
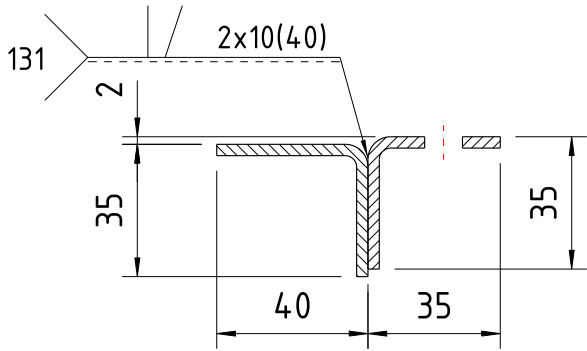
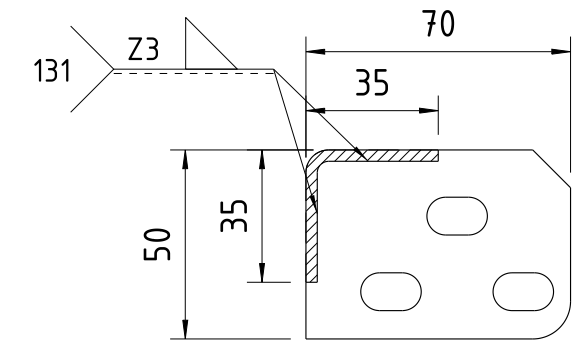
GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	SYMBOL
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
SURFACE ROUGHNESS													

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										



UNCONTROLLED

PART NO	REMARK
525-23043-300	AS DRAWN
525-23043-301	OPPOSITE DRAWN



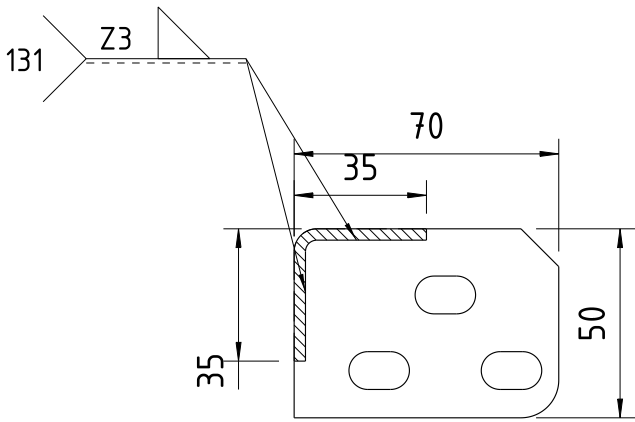
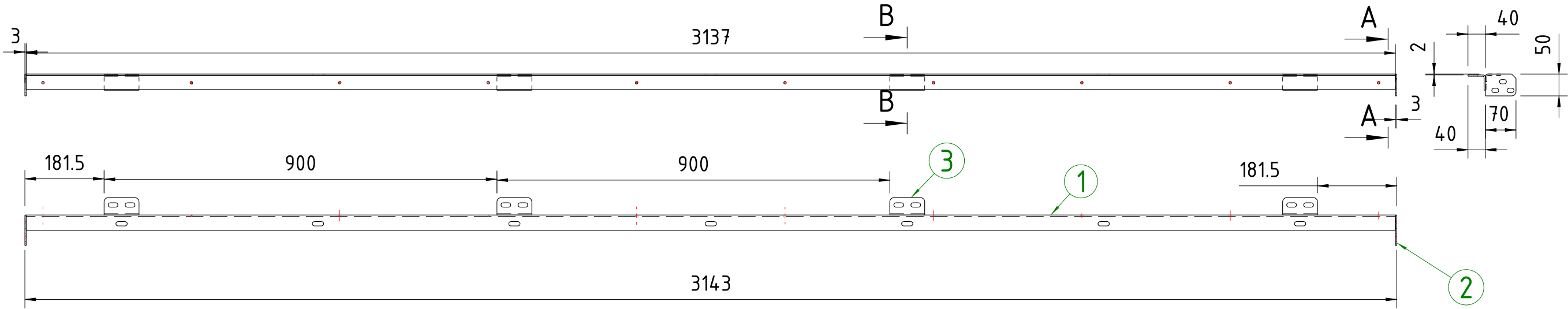
- NOTE:
1. ALL DIMENSIONS ARE IN mm.
 2. WELDING SYMBOLS AS PER ISO 2553
 3. ALL WELD AREAS SHALL BE PICKLED AND PASSIVATED.
 4. REMOVE ALL SHARP EDGES AND BURRS.
 5. THE ASSEMBLY SHALL CONFORM TO DOC. No. GR/TD/4931 (TECHNICAL DELIVERY CONDITIONS).

4	2	525-23124	SUPPORT			
3	1	525-23123	SUPPORT			
2	1	525-23122	SUPPORT			
1	1	525-23121	SUPPORT			
SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
			MATERIAL			
			PRODUCT	MUMBAI METRO CARS L2&L7		
			REF DRG	-		
			MATERIAL	-		
			HEAT TREAT.	-	APPD	25/11/2019
			SURFACE TREAT.	-	REVD	25/11/2019
			TITLE	SUPPORT, THREE SEATER		
			CHKD	25/11/2019		
			DRWN	25/11/2019		
			SCALE	1:5	SHEET	Wt.
					1 OF 1	2.43 Kg
			DRG No.	525-23043		
			ALT	0		
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	
			BEML LIMITED			

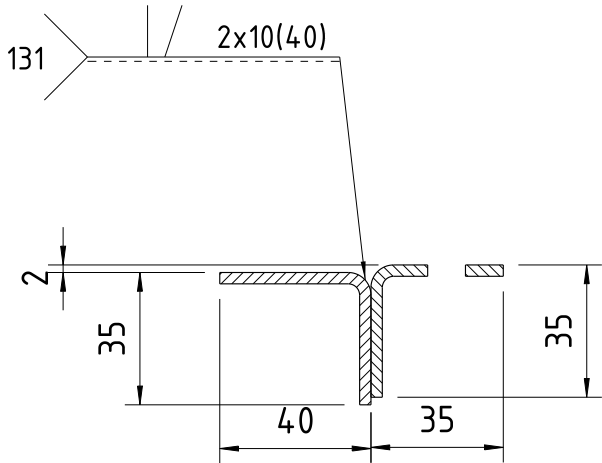
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	SYMBOL
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
SURFACE ROUGHNESS													

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										



SECTION A-A
SCALE 1:2










SECTION B-B
SCALE 1:2

UNCONTROLLED

NOTE:

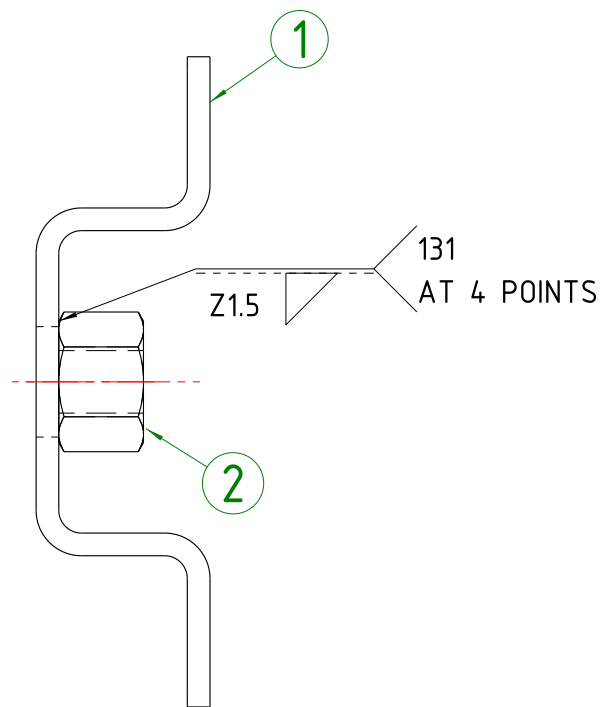
1. ALL DIMENSIONS ARE IN mm.
2. WELDING SYMBOLS AS PER ISO 2553
3. ALL WELD AREAS SHALL BE PICKLED AND PASSIVATED.
4. REMOVE ALL SHARP EDGES AND BURRS.
5. THE ASSEMBLY SHALL CONFORM TO DOC. No. GR/TD/4931 (TECHNICAL DELIVERY CONDITIONS).

3	4	525-23124									
2	2	525-23122									
1	1	525-23126									
SL.No.	QTY	PART / STOCK No.					DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)	
									MATERIAL		
							PRODUCT	MUMBAI METRO CARS L2 &L7			
							REF DRG	-			
							MATERIAL	-			
							HEAT TREAT.	-	APPD	Agarwal 25/11/2019	
							SURFACE TREAT.	-	REVD	R. P. S. S. S. 25/11/2019	
							TITLE	SUPPORT, SEVENSEATER			
								CHKD	R. P. S. S. S. 25/11/2019		
								DRWN	K. Mohith 25/11/2019		
								SCALE		SHEET	Wt.
								1:10		1 OF 1	5.42 Kg
								DRG No.			ALT
										525-23046	
											
ALT.No.	ECN NO/CHANGES		DATE	BY	CHKD	APPD	 BEM LIMITED NEW FRONTIERS. NEW DREAMS				











BEML LIMITED
NEW FRONTIERS. NEW DREAMS






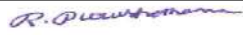




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WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96	STATUS:	PROTO/PRODUCTION



BRACKET

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

2		2				STIFFENER		47x17x2THK		AISI 304 No. 2B FINISH	
1		1				BRACKET		230x64X3THK		AISI 304 No. 2B FINISH	
SL.No.		QTY		PART / STOCK No.		DESCRIPTION		SIZE		COMPANY STD./I.S Wt. (Kg)	
										MATERIAL	
						PRODUCT		MUMBAI METRO CARS L2 & L7			
						REF DRG		-			
						MATERIAL		-			
						HEAT TREAT.		-		APPD  25/11/2019	
						SURFACE TREAT.		-		REVD  25/11/2019	
						TITLE		CHKD  25/11/2019			
						SEAT BRACKET		DRWN  25/11/2019			
								SCALE  SHEET Wt.(Kg)			
								1:1  1 OF 1 -			
ALT.NO.		ECN NO/CHANGES		DATE		BY		CHKO		APPD	