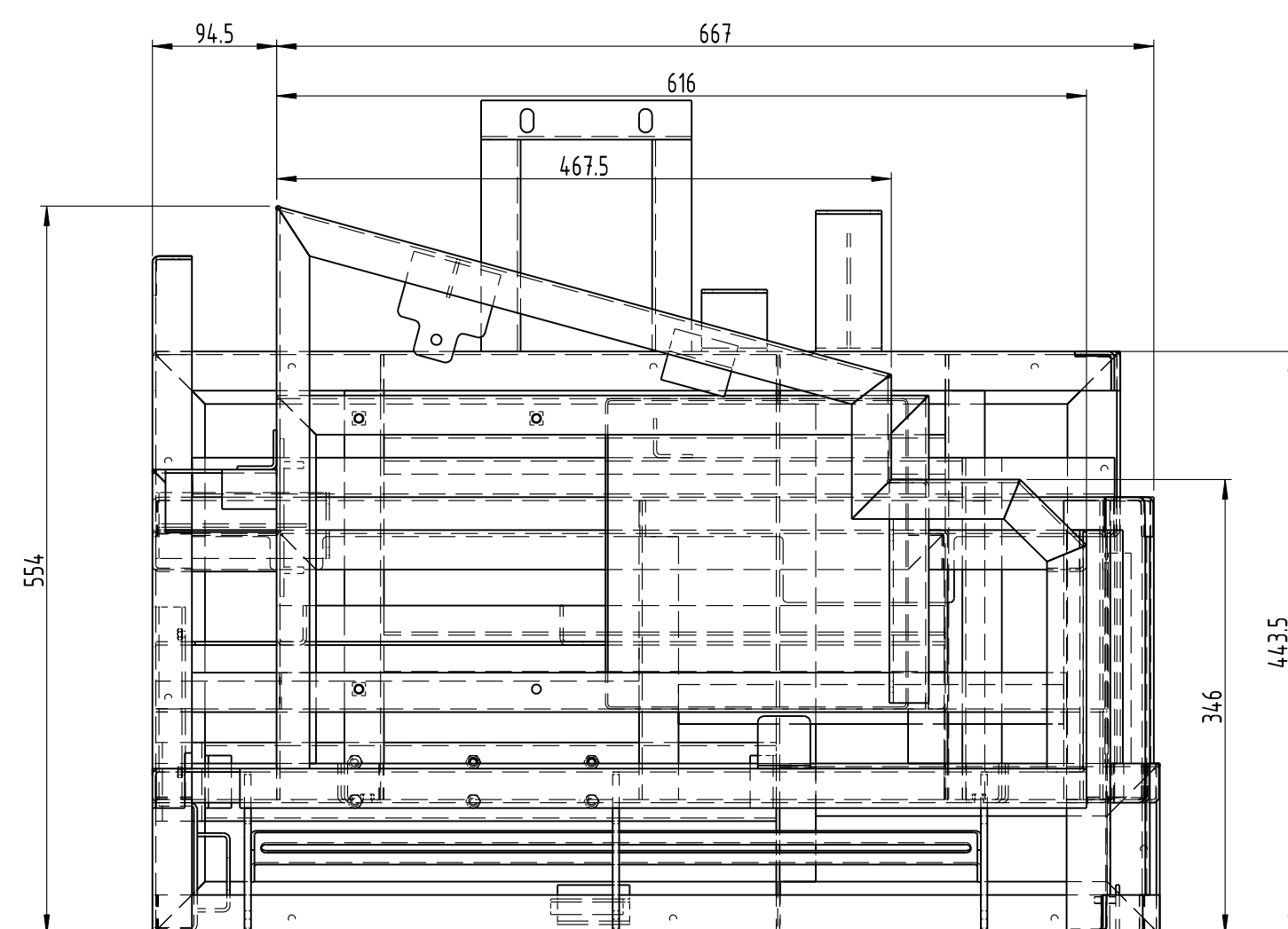
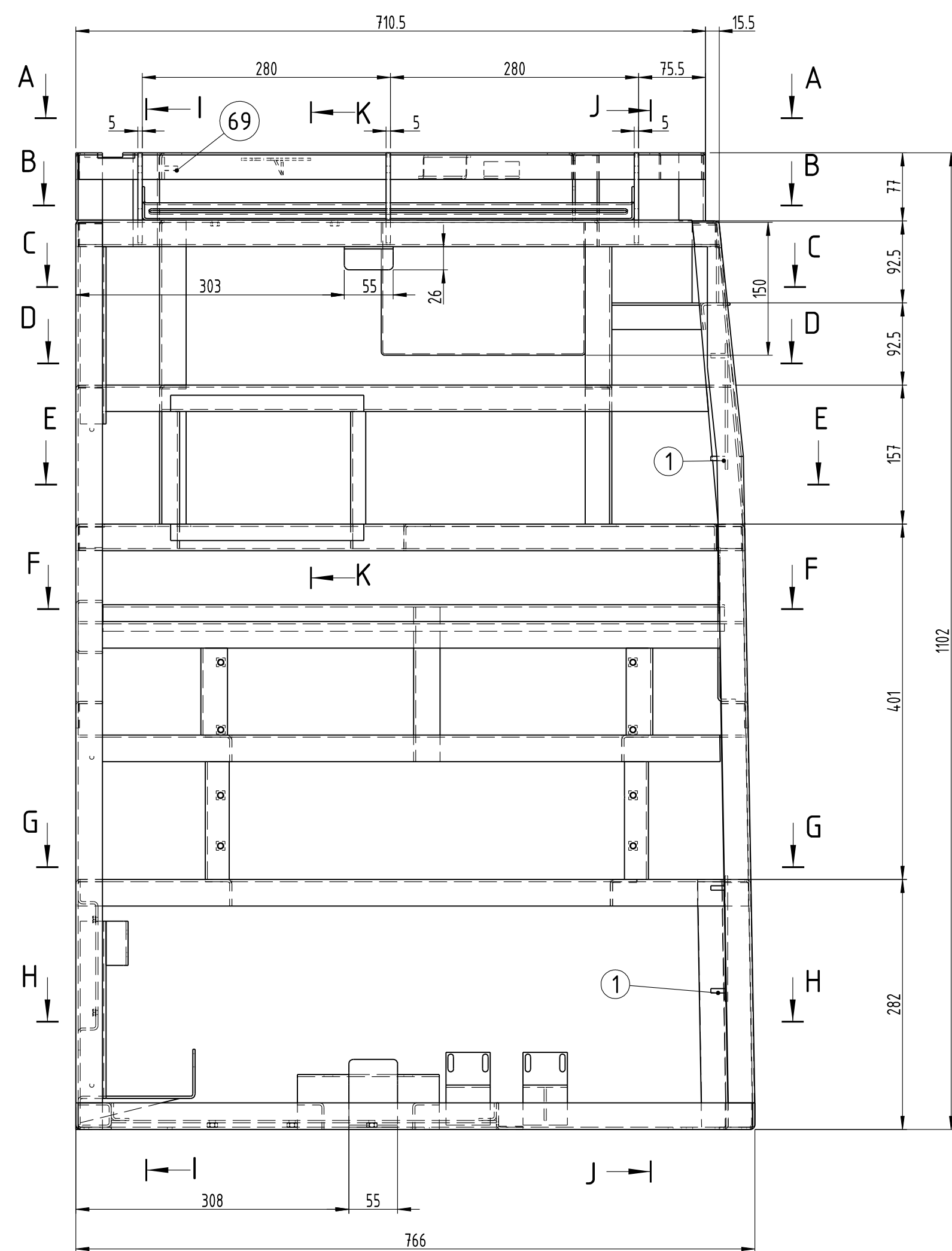
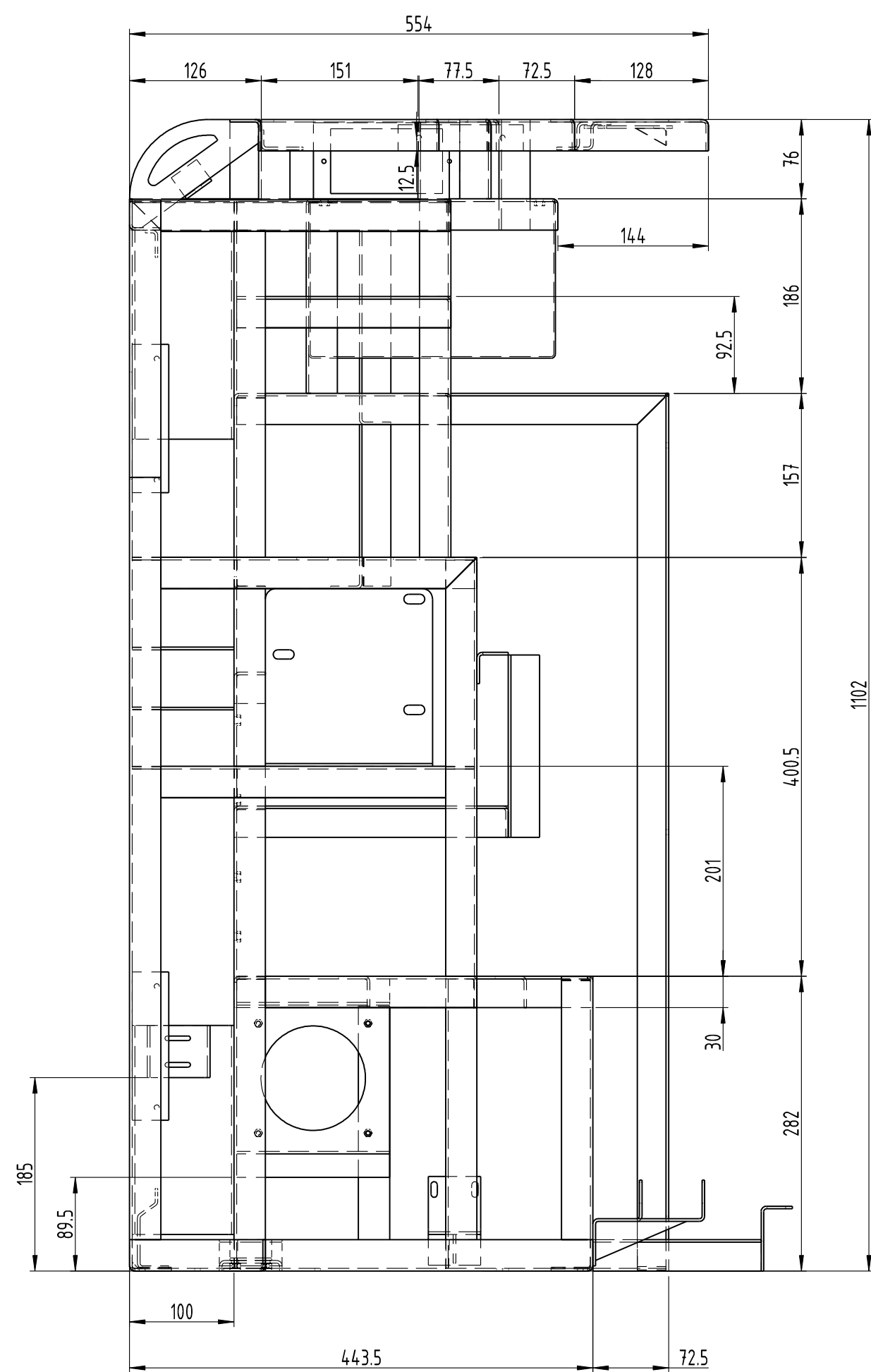

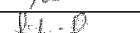


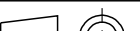




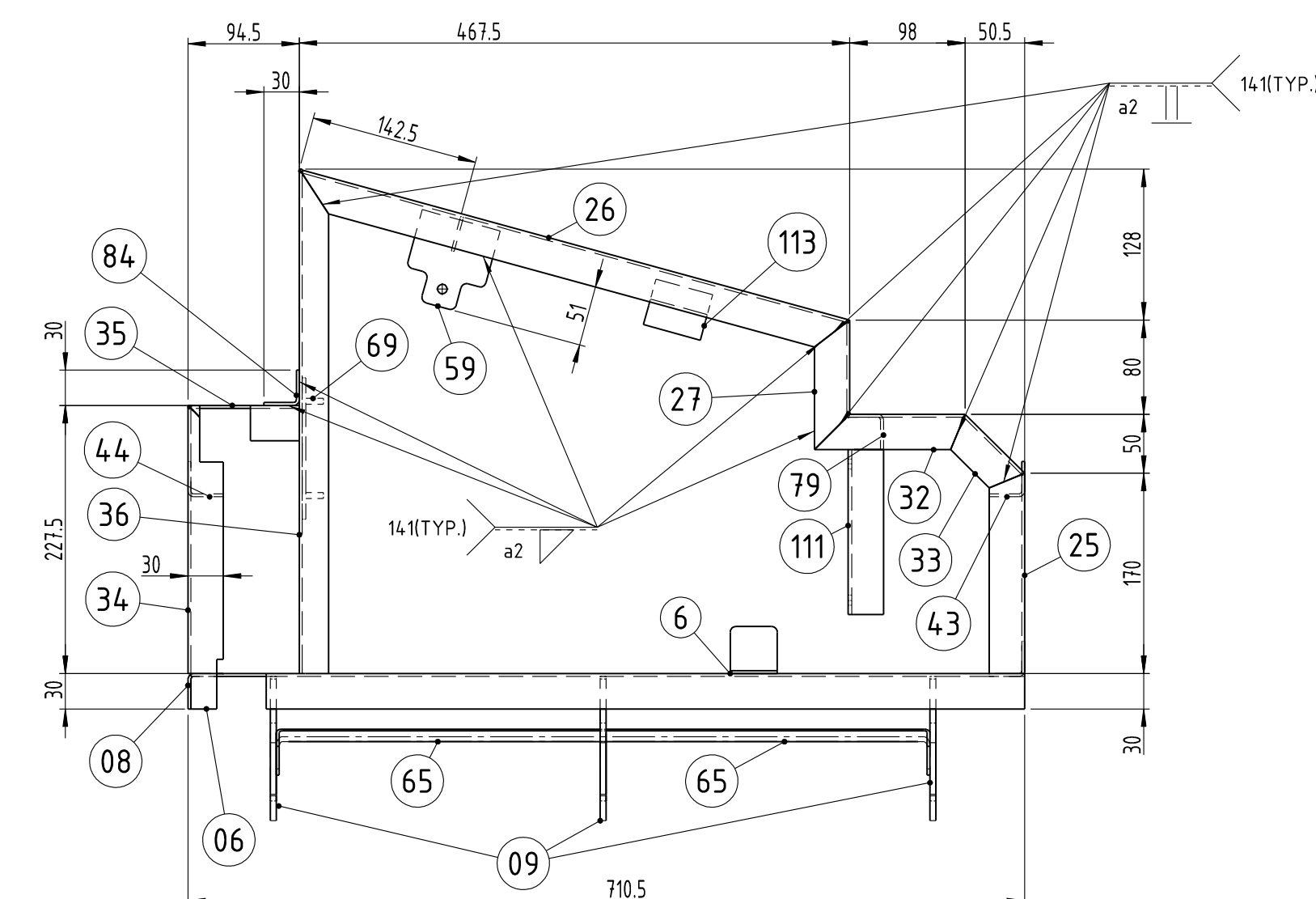
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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS		RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA	
		TOLERANCE	+0.1	+0.2	+0.3	+0.5	+0.8	+12	+12	+13	~	
FOR DIMENSIONAL TOLERANCES OF SHEET METAL AND WELDED STRUCTURES, REFER 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												



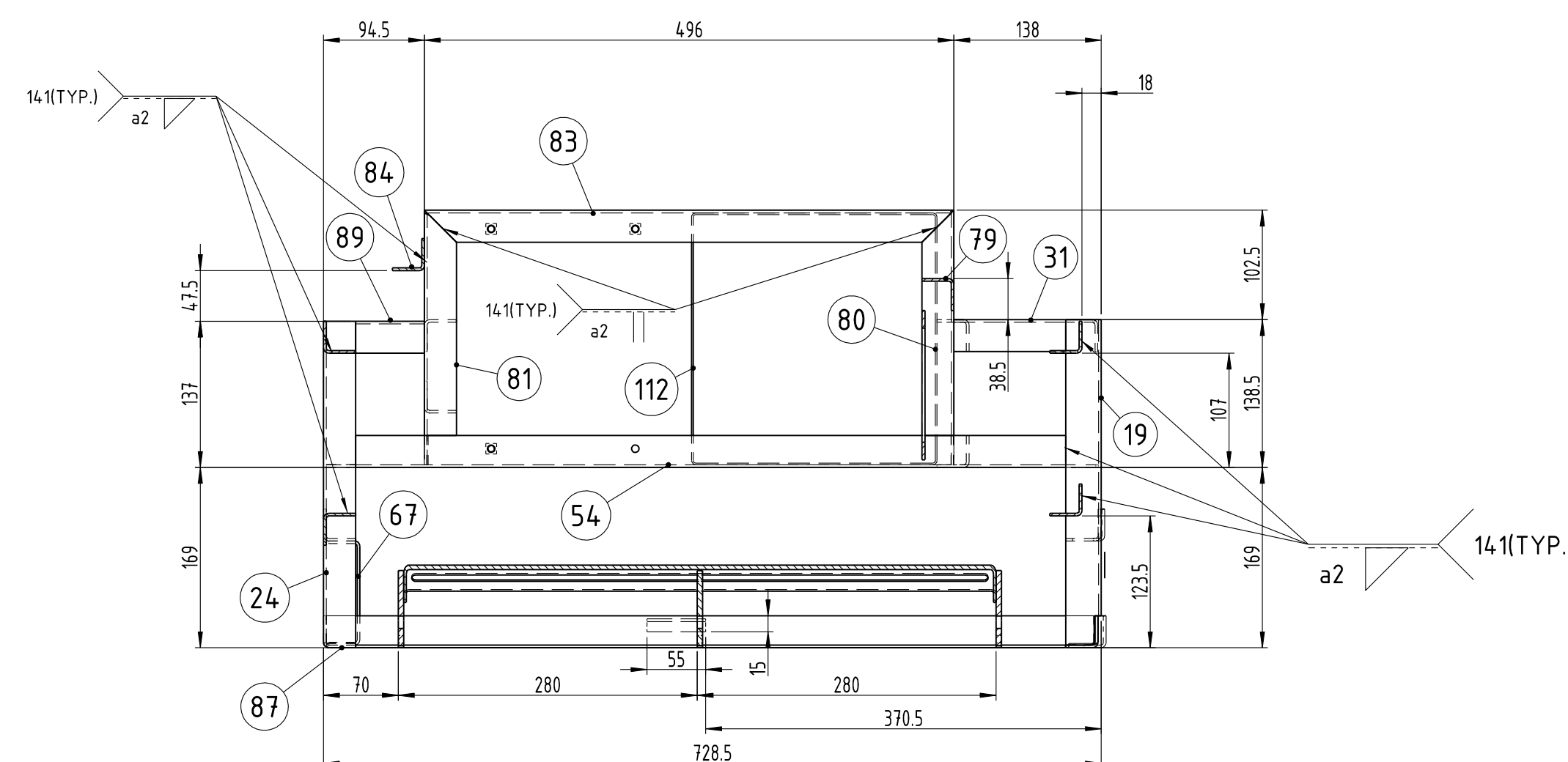
UNCONTROLLED

SLNo.	QTY	PART / STOCK No.				DESCRIPTION	SIZE	COMPANY STD./IS		WT. (Kg)
								MATERIAL		
△					PRODUCT	MUMBAI METRO CARS - L2 & L7				
					REF DRG					
△					MATERIAL	SUS304/AISI304-2B FINISH				
					HEAT TREAT		APPD		18.07.2019	
△					SURFACE TREAT		REV'D		18.07.2019	
					TITLE		CHK'D		18.07.2019	
△						AUX, DESK FRAME				
							DRWN		18.07.2019	
△							SCALE	1:5		
										
△								SHEET 1 OF 6	WT. -	
ALT NO.	ECN NO./CHANGES	DATE	BY	CHKD	APPD	 BEML LIMITED <small>WE PROTECT, YOU THRIVE</small>				ALT
						 525-18126				△

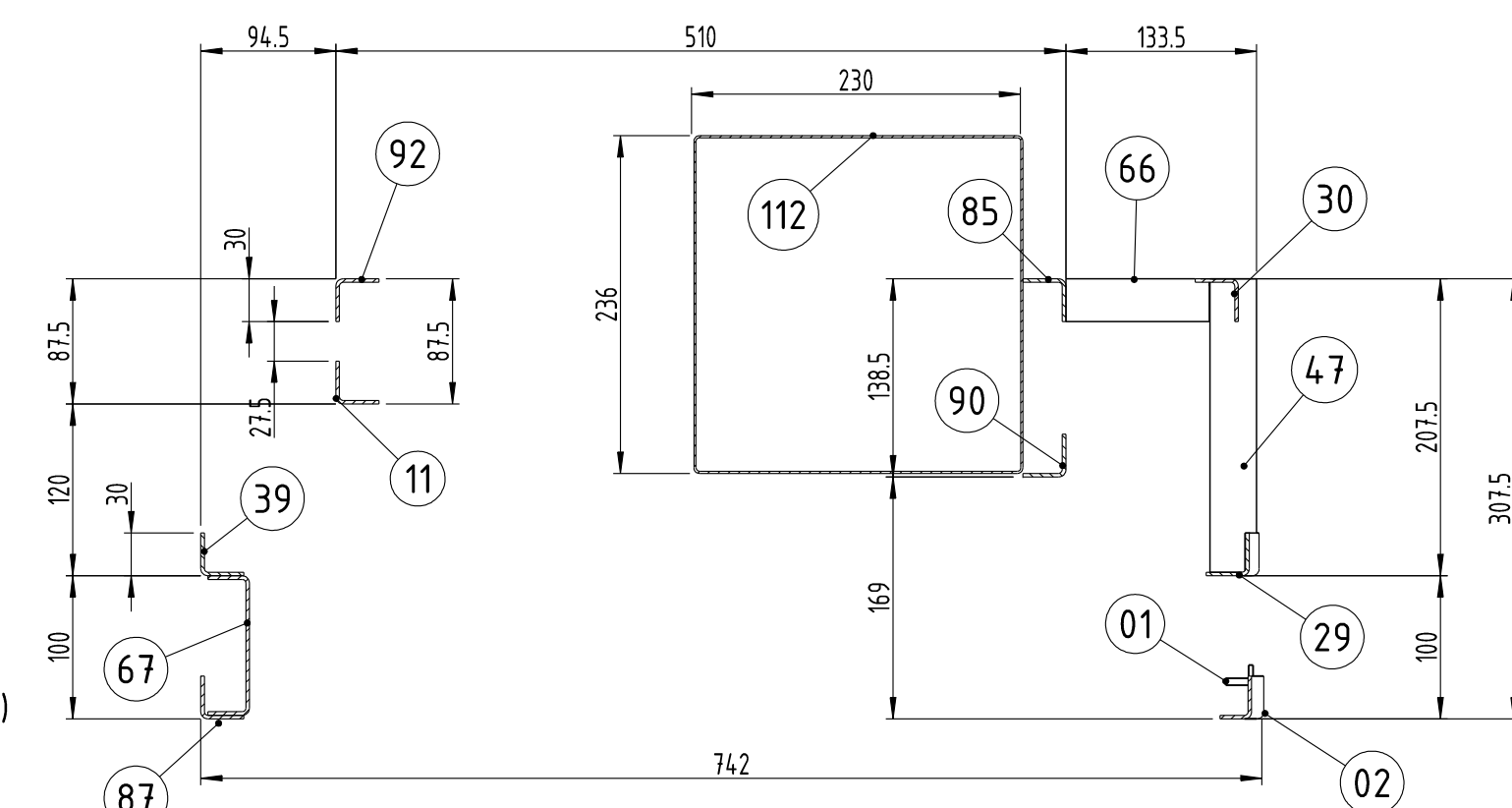
3		2							1		
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS		RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-6000	ABOVE 4000	RA
		TOLERANCE	± 0.1	± 0.2	± 0.3	± 0.5	REFER ST. RD-227	± 12	± 2	± 3	\sim
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER ST. RD-227								QUALITY OF WELD JOINTS REF. RD 330 MEDIUM			
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2002 (PT-1) (MEDIUM)								STATUS: PROTO/PRODUCTION			
VALUES FOR TEXTURE SURFACE SHALL BE AS PER COMPANY STD. IS. 1912.C											
WELDING SHALL BE CARRIED OUT AS PER IS. 9595-96											



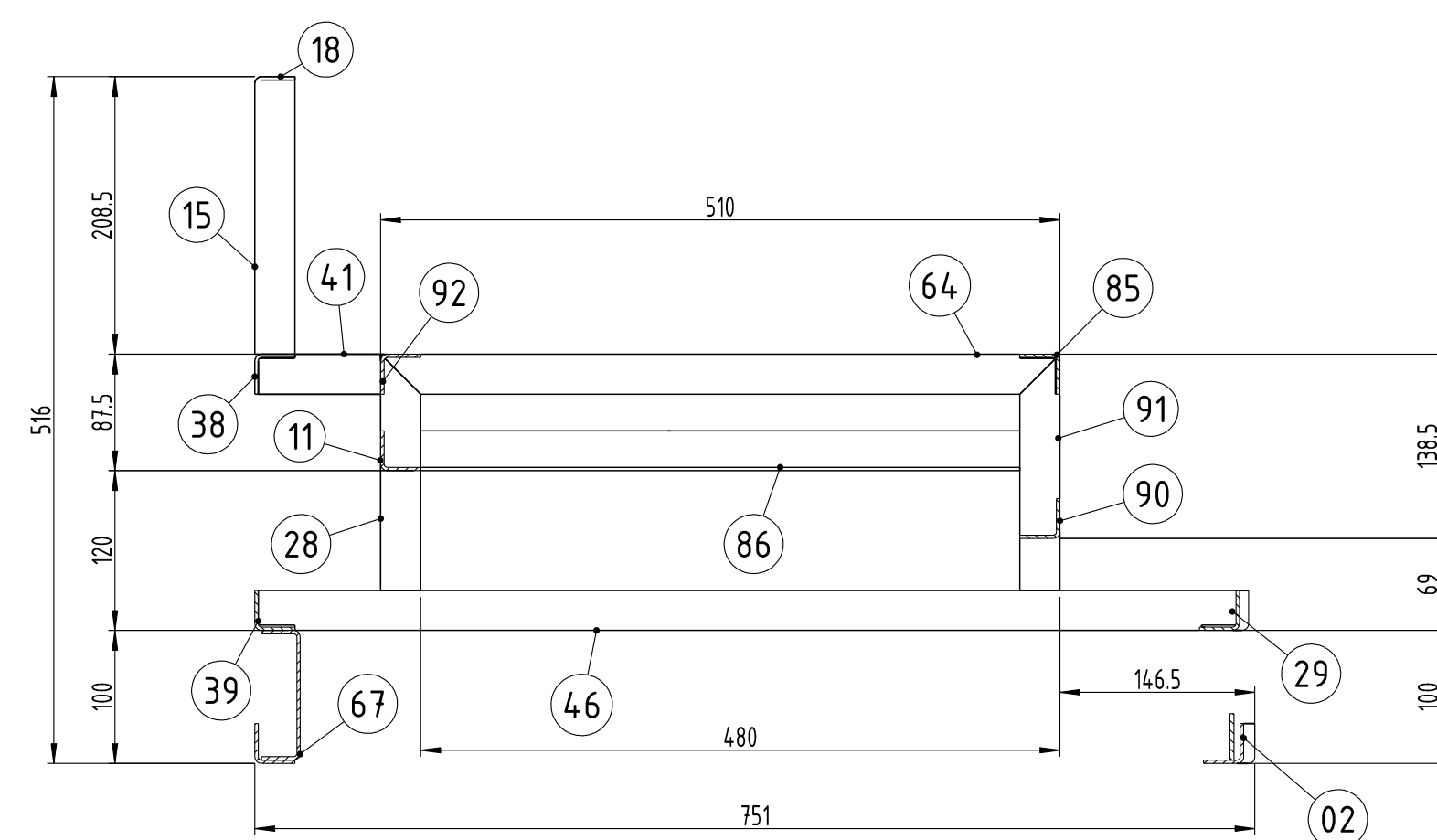
SECTION A-A



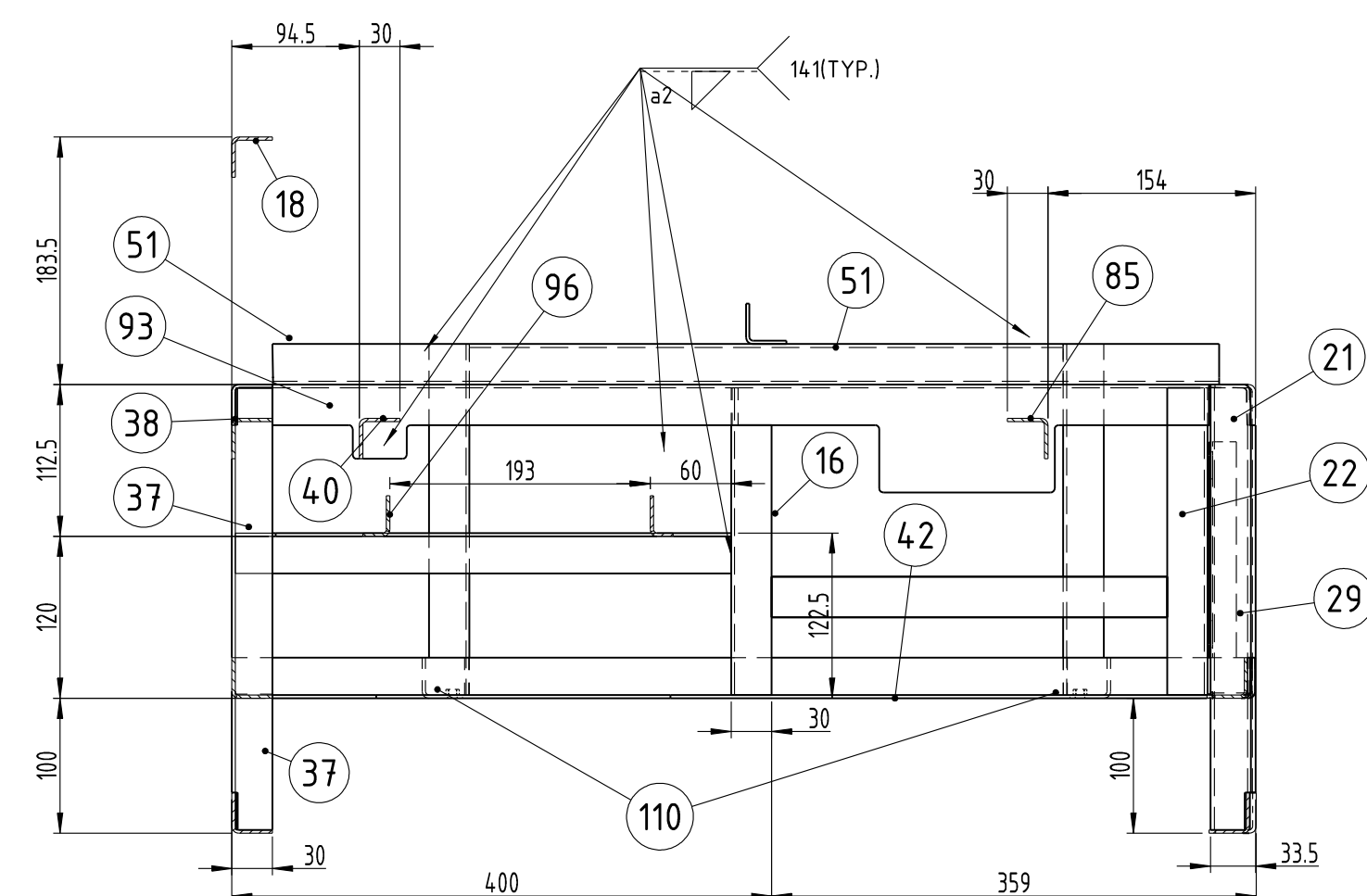
SECTION B-B



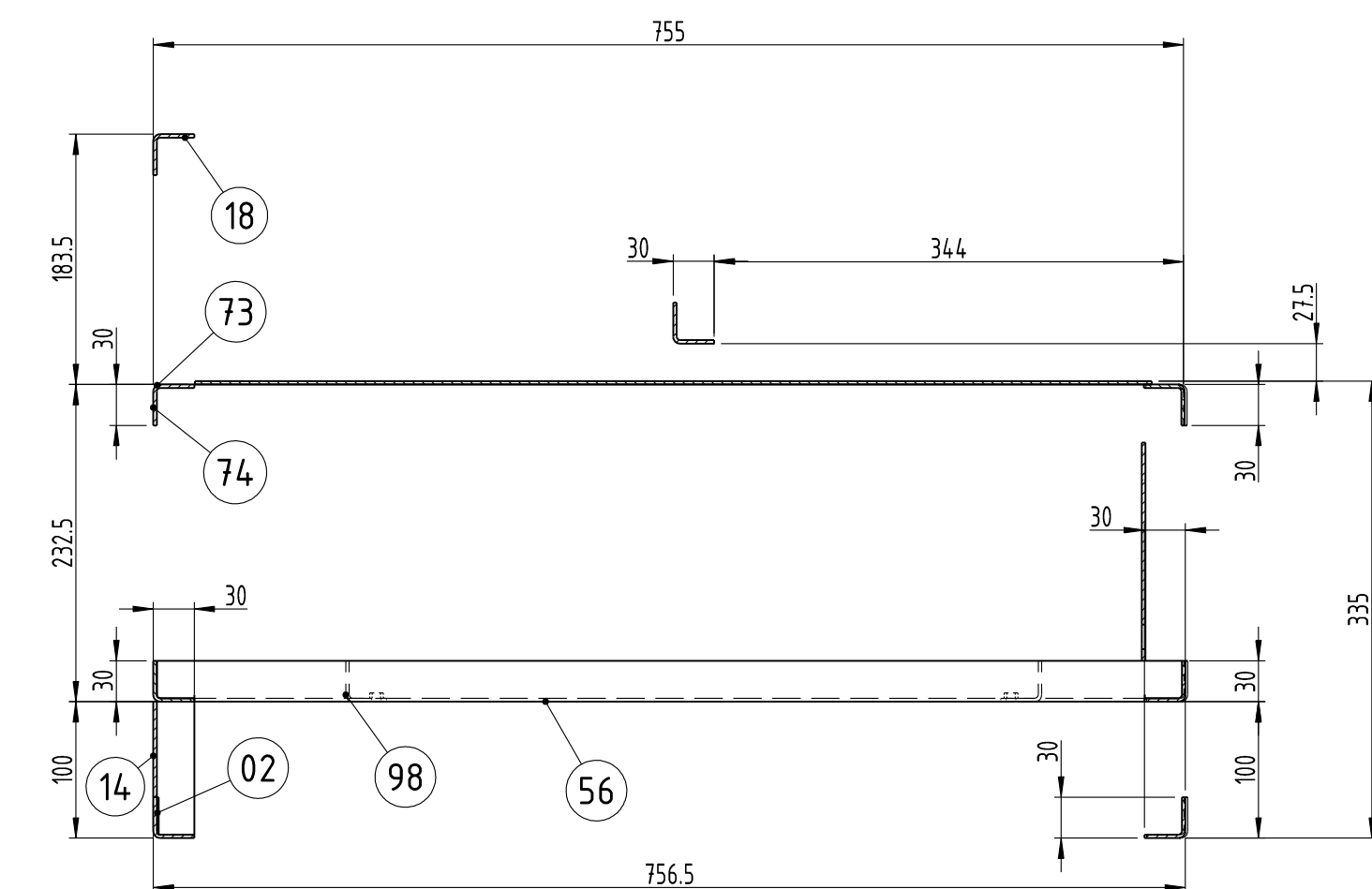
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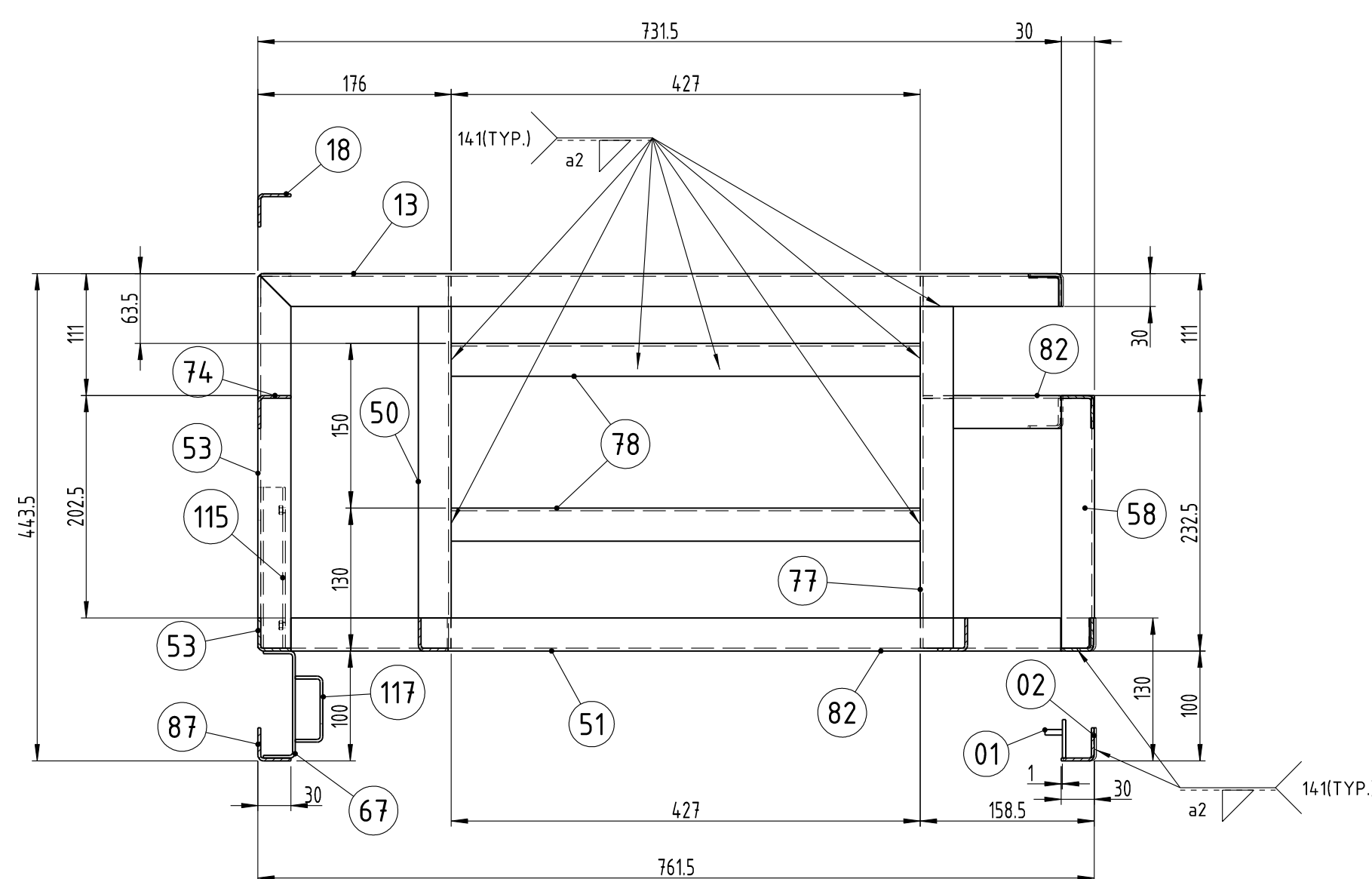
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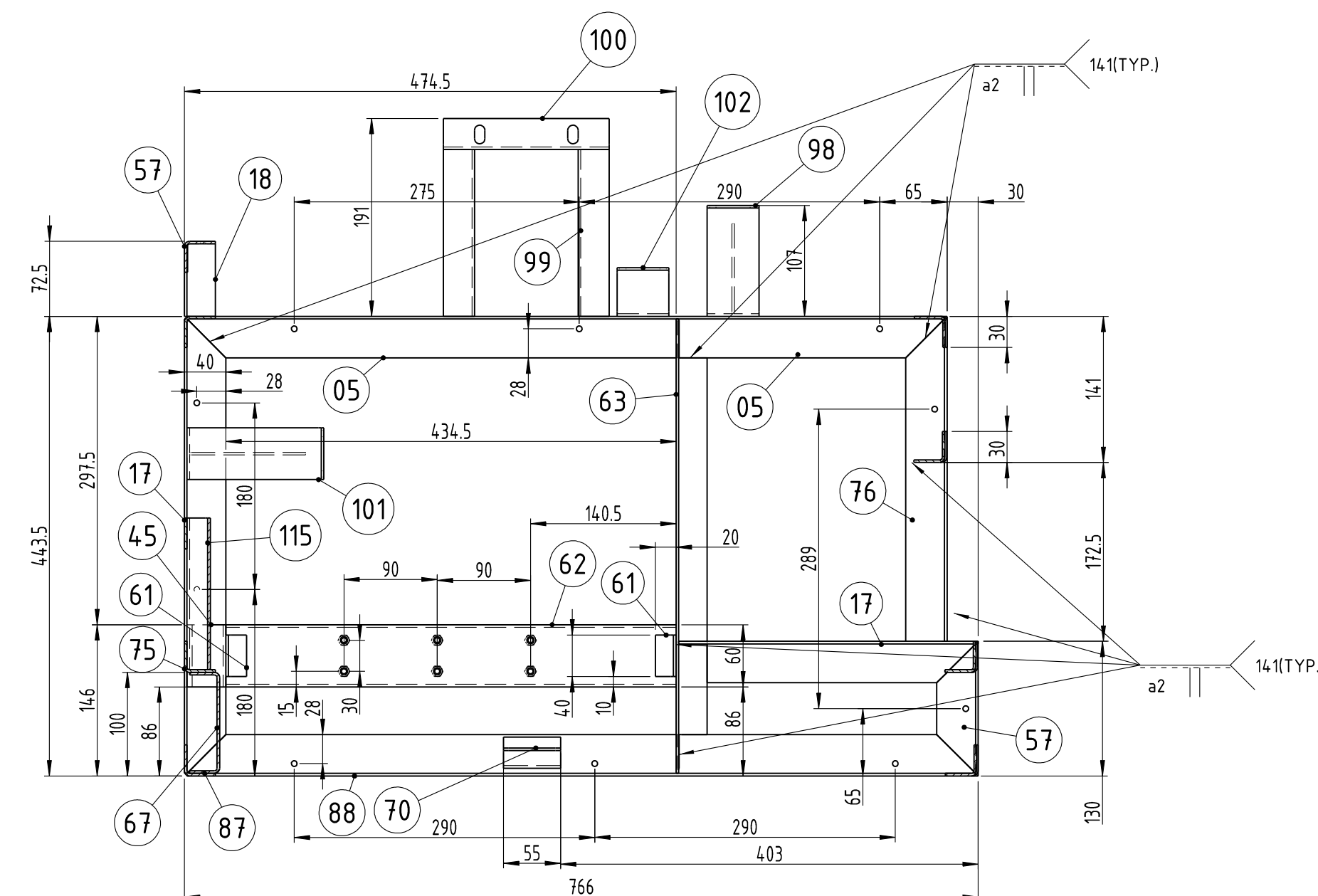
SECTION E-E



SECTION F-F






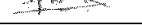

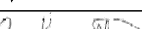



SECTION G-G



SECTION H-H

UNCONTROLLED

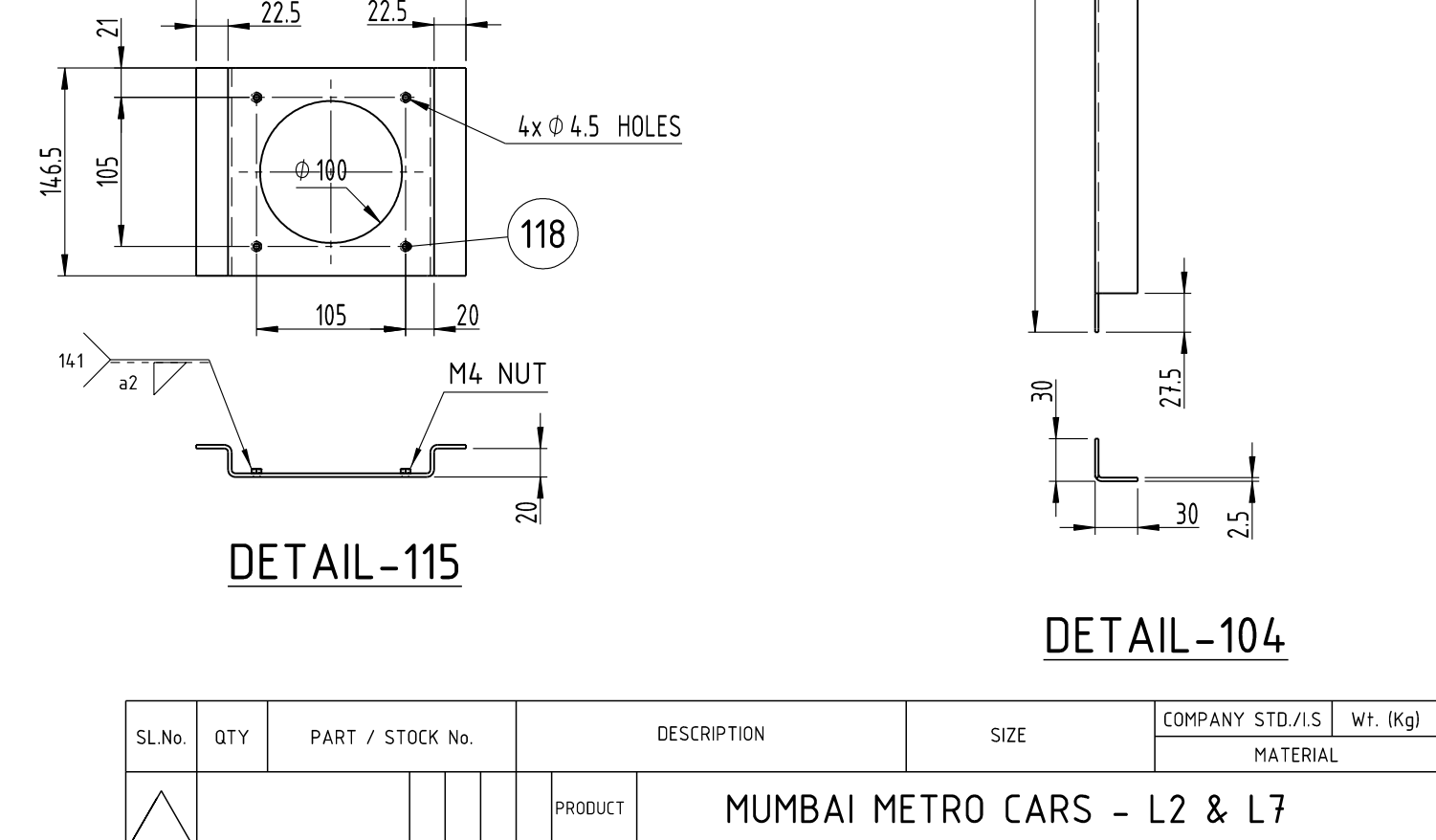
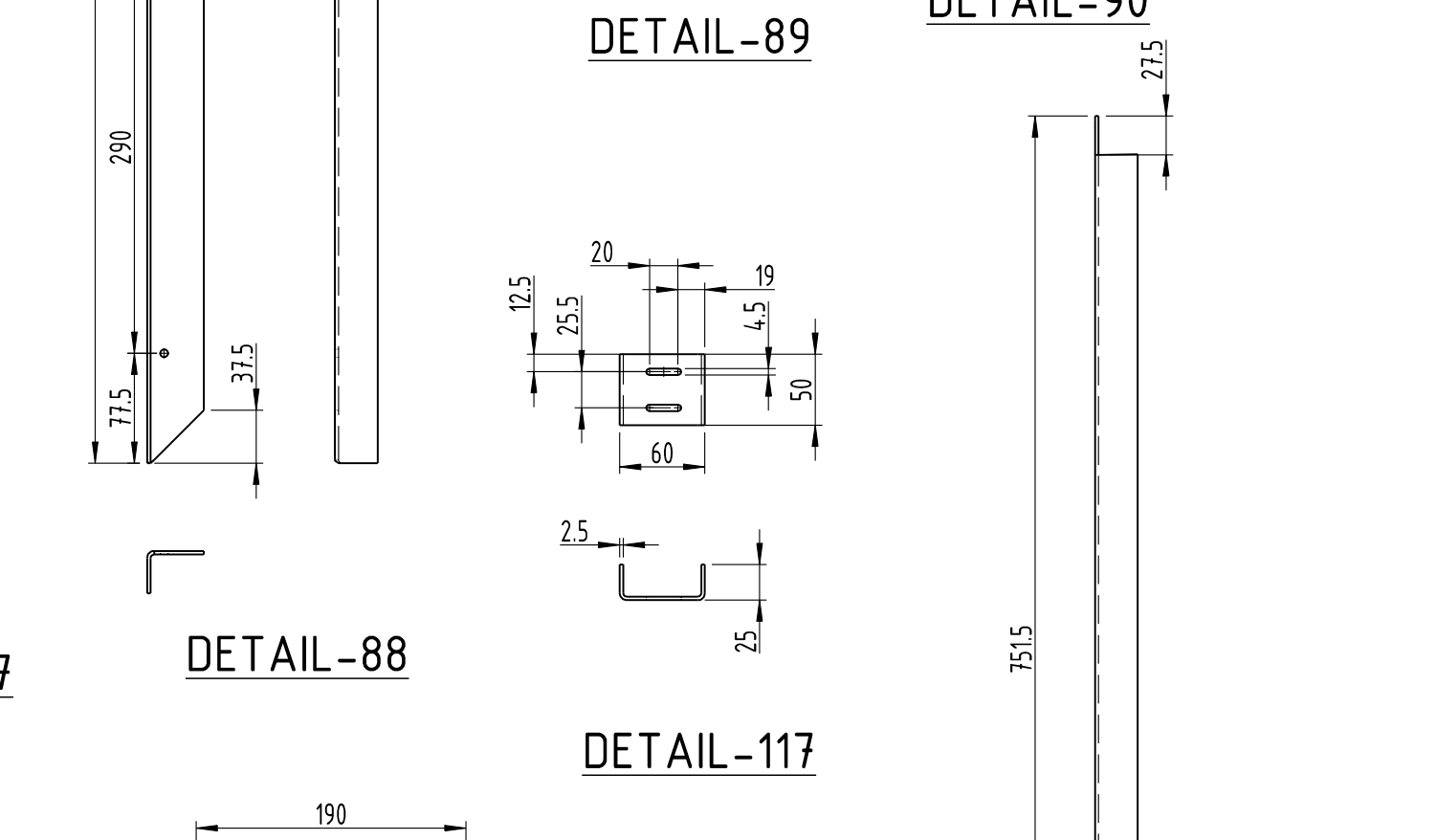
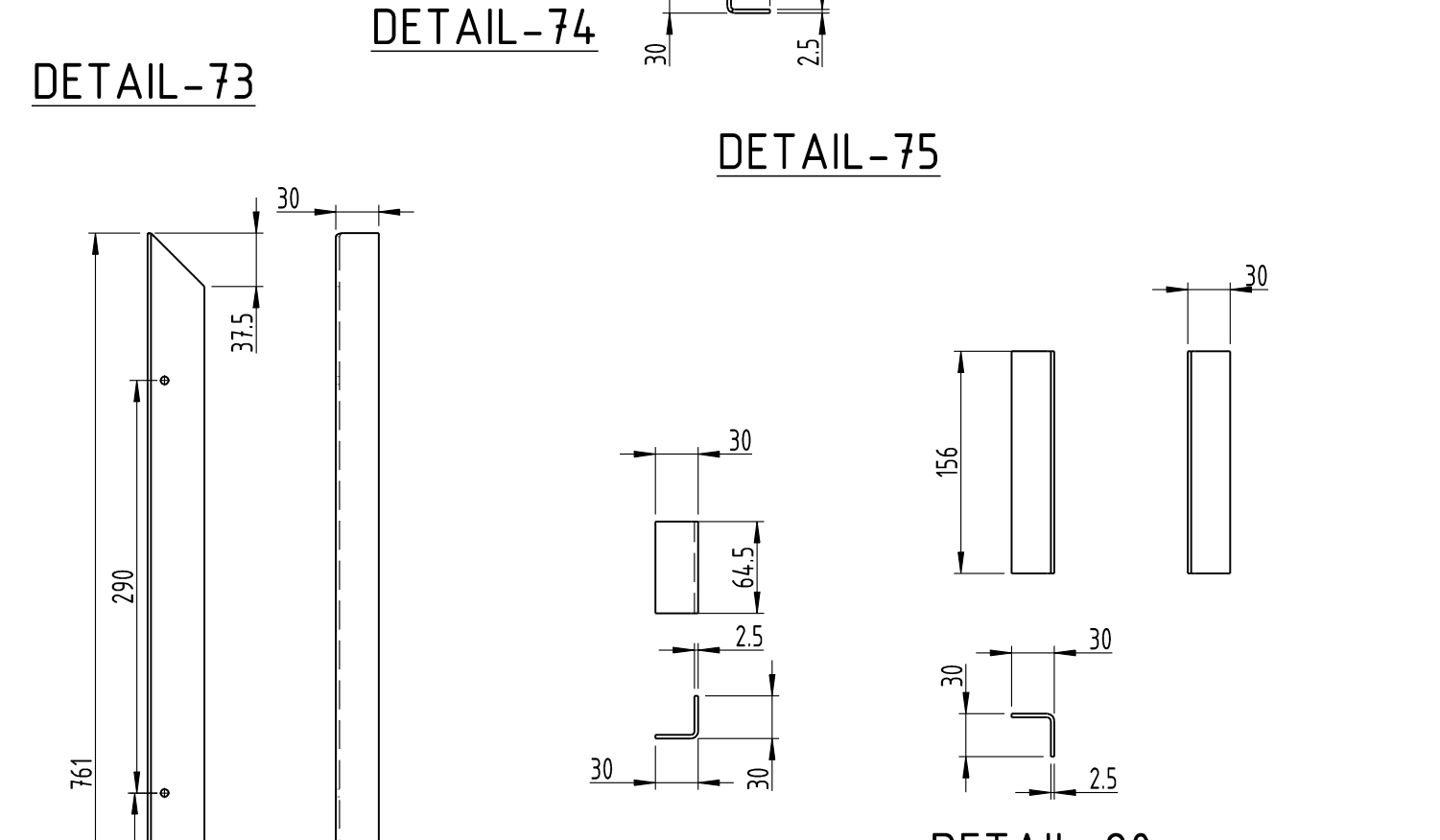
SL.No.	QTY	PART / STOCK No.			DESCRIPTION			SIZE	COMPANY STD./S		wt. (Kg)	
					PRODUCT	MUMBAI METRO CARS - L2 & L7						
					REF. DRG							
					MATERIAL	SUS304/AISI304-2B FINISH						
					HEAT TREAT							
					SURFACE TREAT							
					TITLE	AUX, DESK FRAME						
						APPD				18.07.2019		
						REVD				18.07.2019		
						CHKD				18.07.2019		
						DRWN				18.07.2019		
						SCALE				SHEET 2 OF 6	Wt. -	
						DRG No.						
ALT.NO.	ECN NO/CHANGES			DATE	BY	ENGR	APPD	BEML BEML LIMITED				ALT
								NEW HYDRA COIL, NEW BEAMS				
								525-18126				

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SURFACE
ROUGHNESS

ISIRI No. 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 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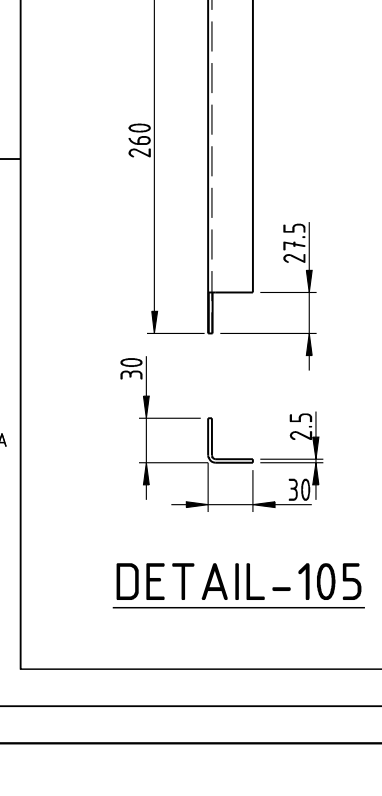
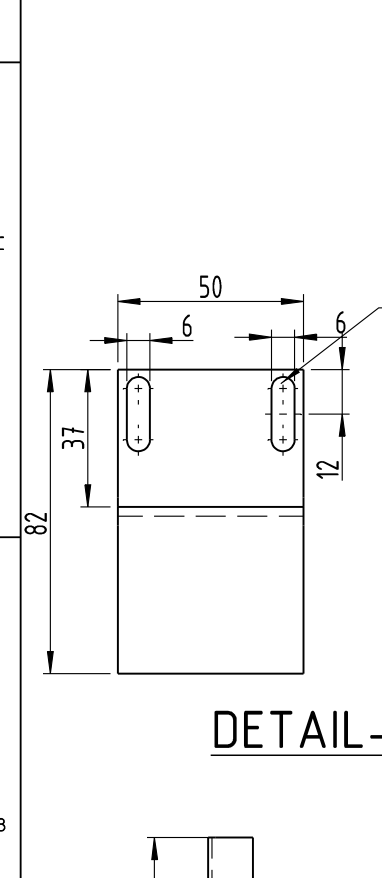
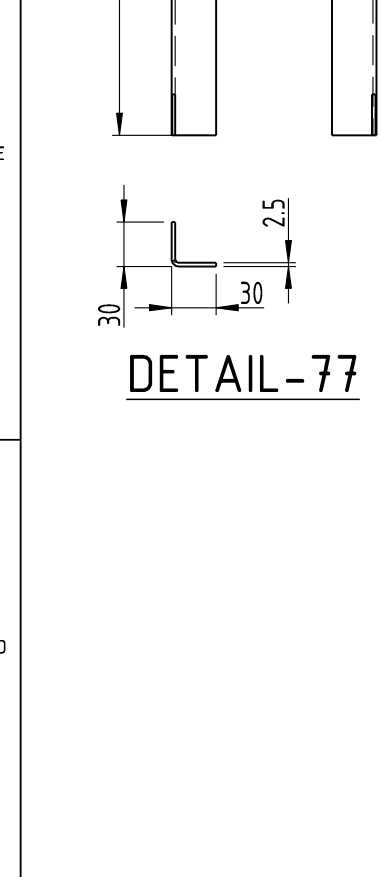
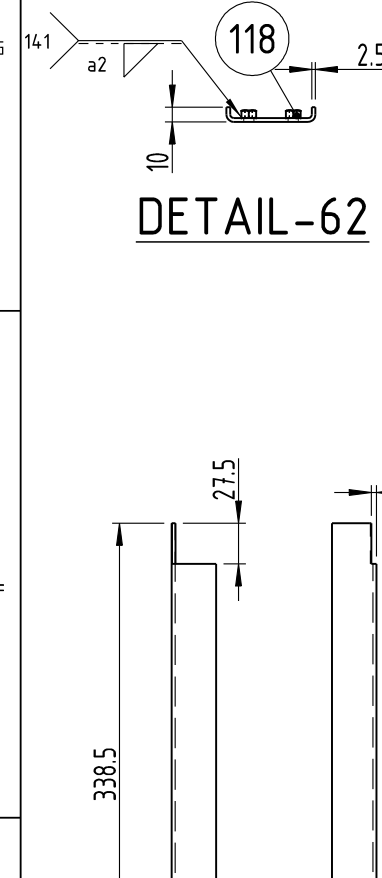
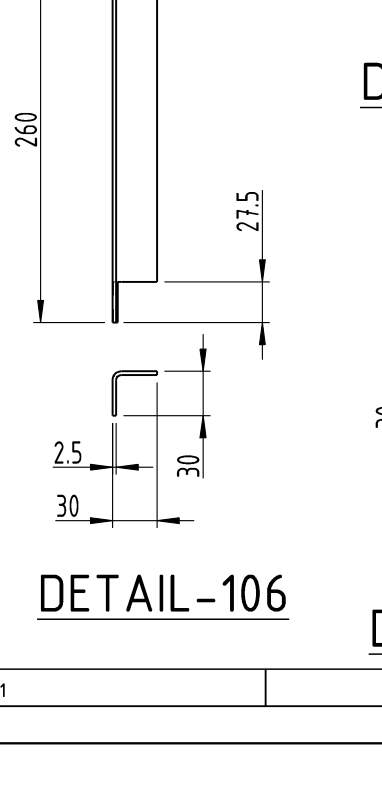
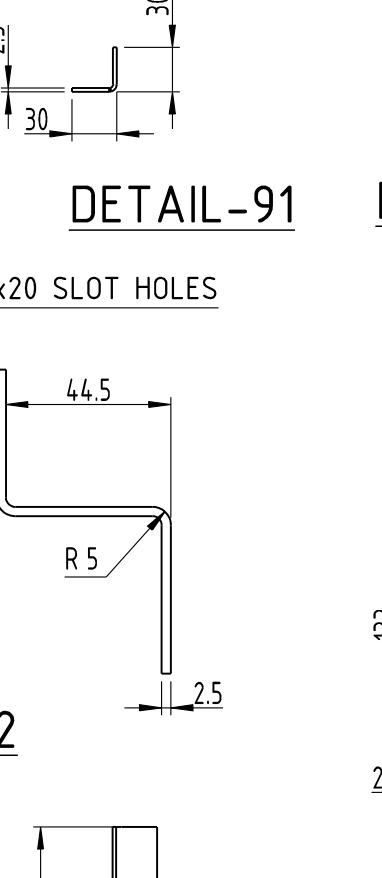
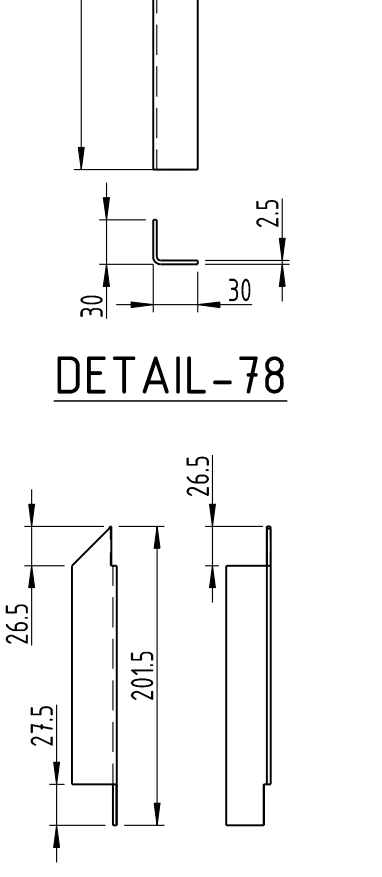
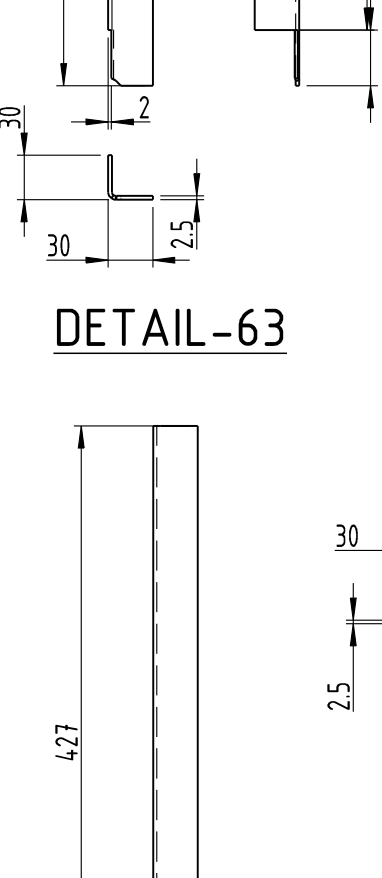
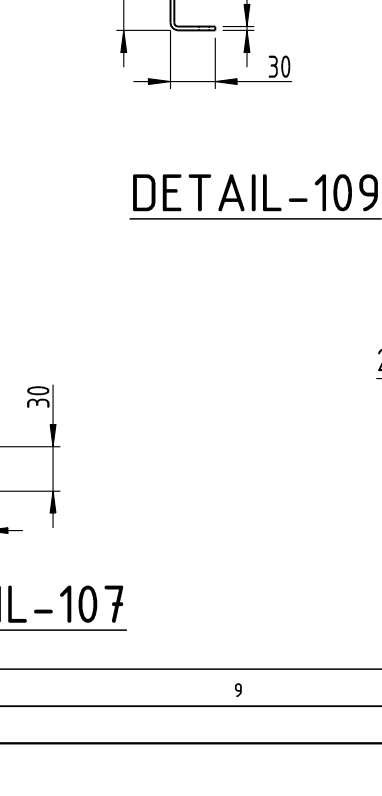
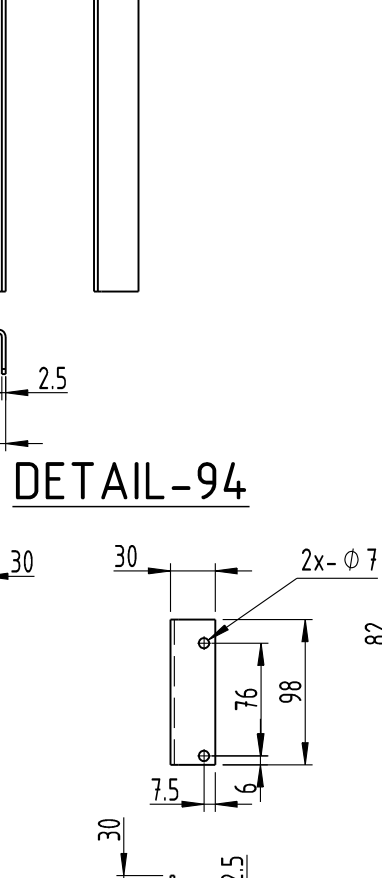
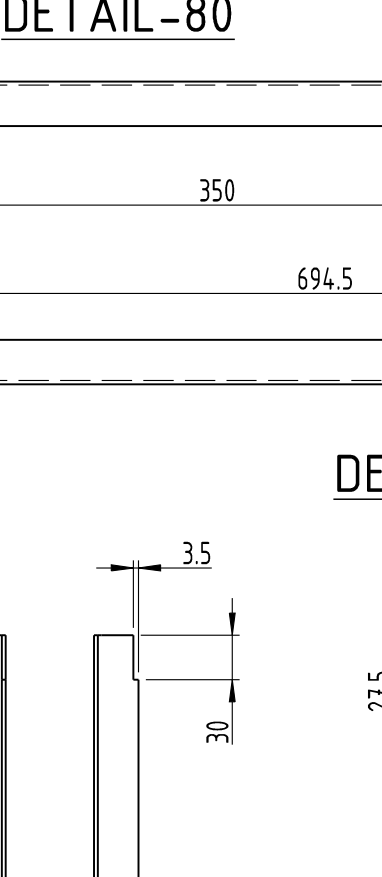
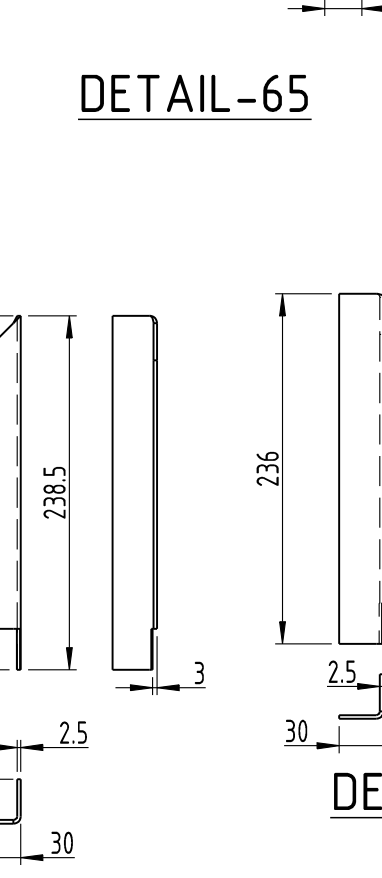
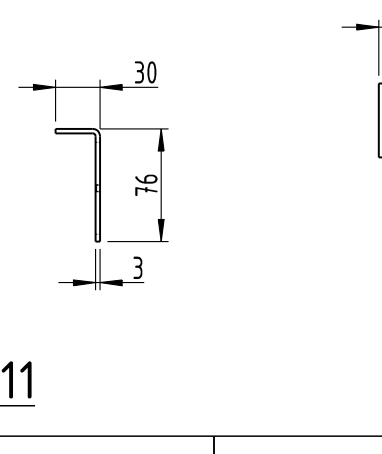
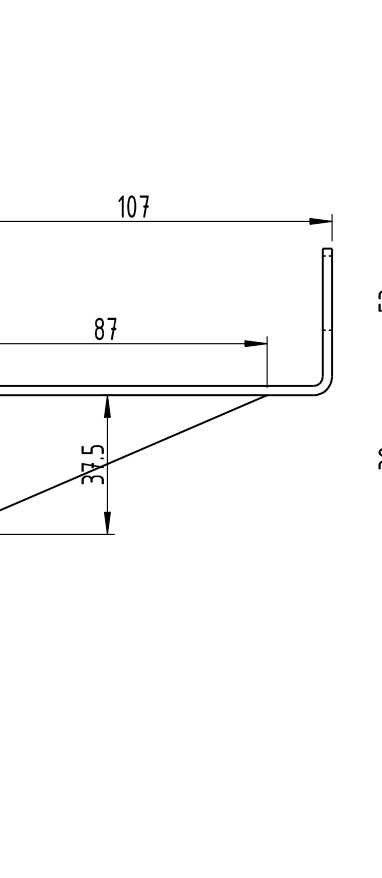
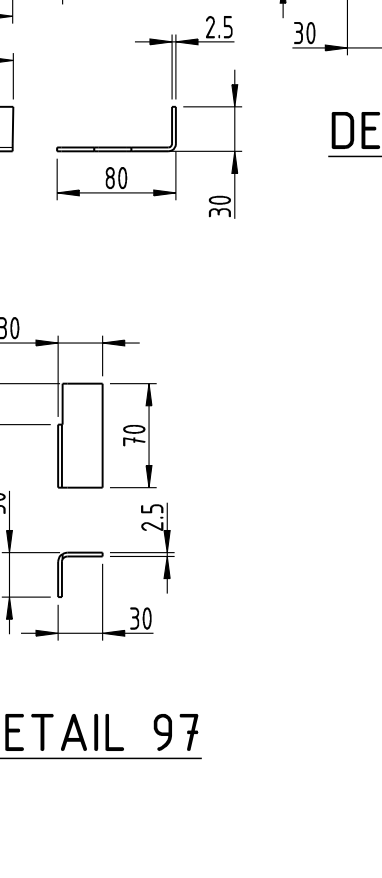
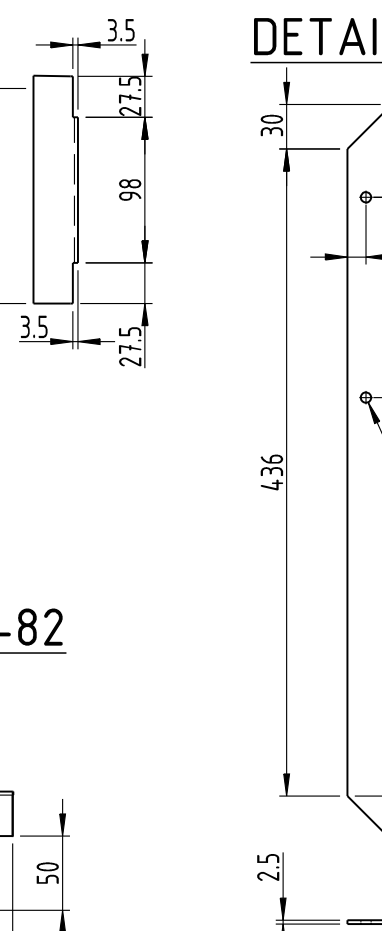
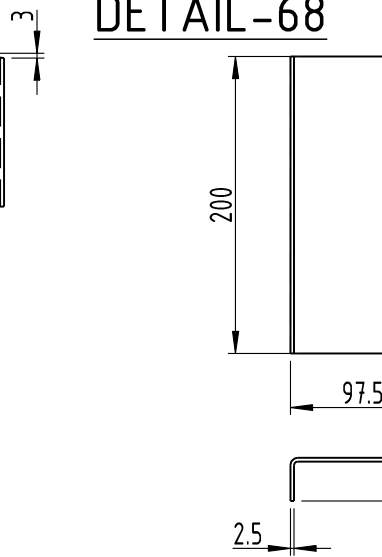
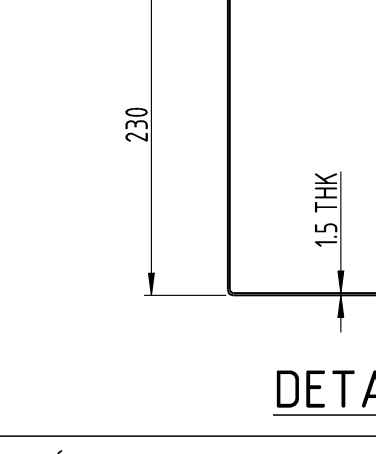
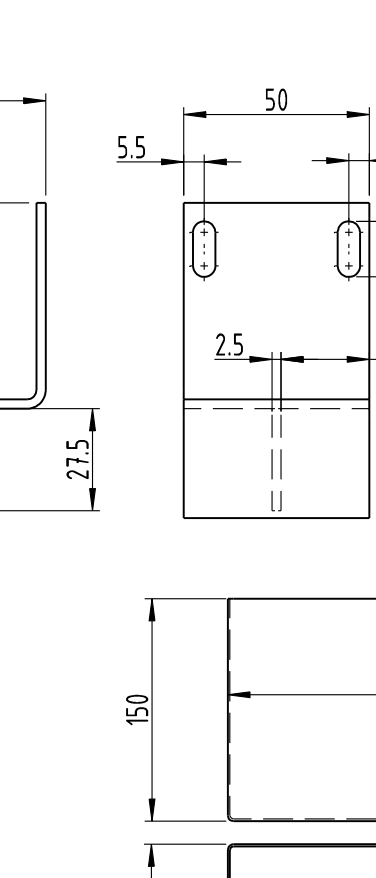
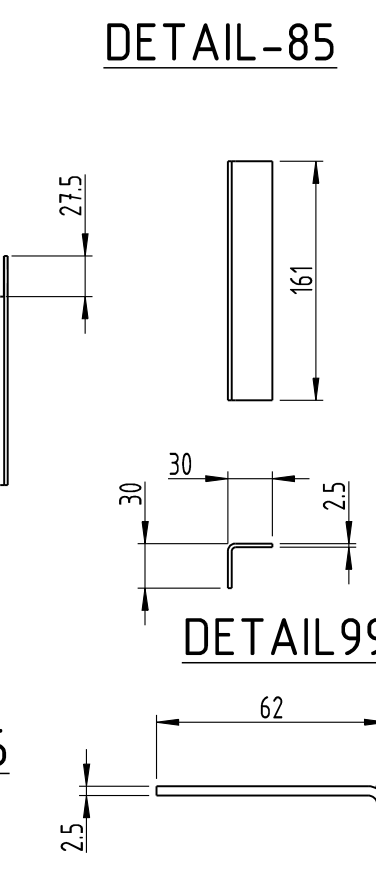
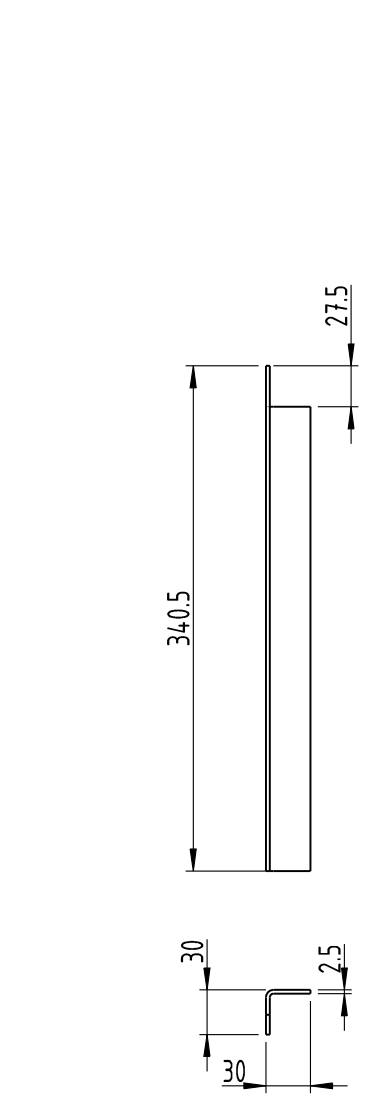
Technical drawing of Detail-76, showing three views of a rectangular component with various dimensions. The top view shows a long rectangle with a width of 401 and a length of 450.5. The side view shows a height of 27.5 and a width of 30. The front view shows a height of 27.5 and a width of 30. The detail is labeled DETAIL-76.

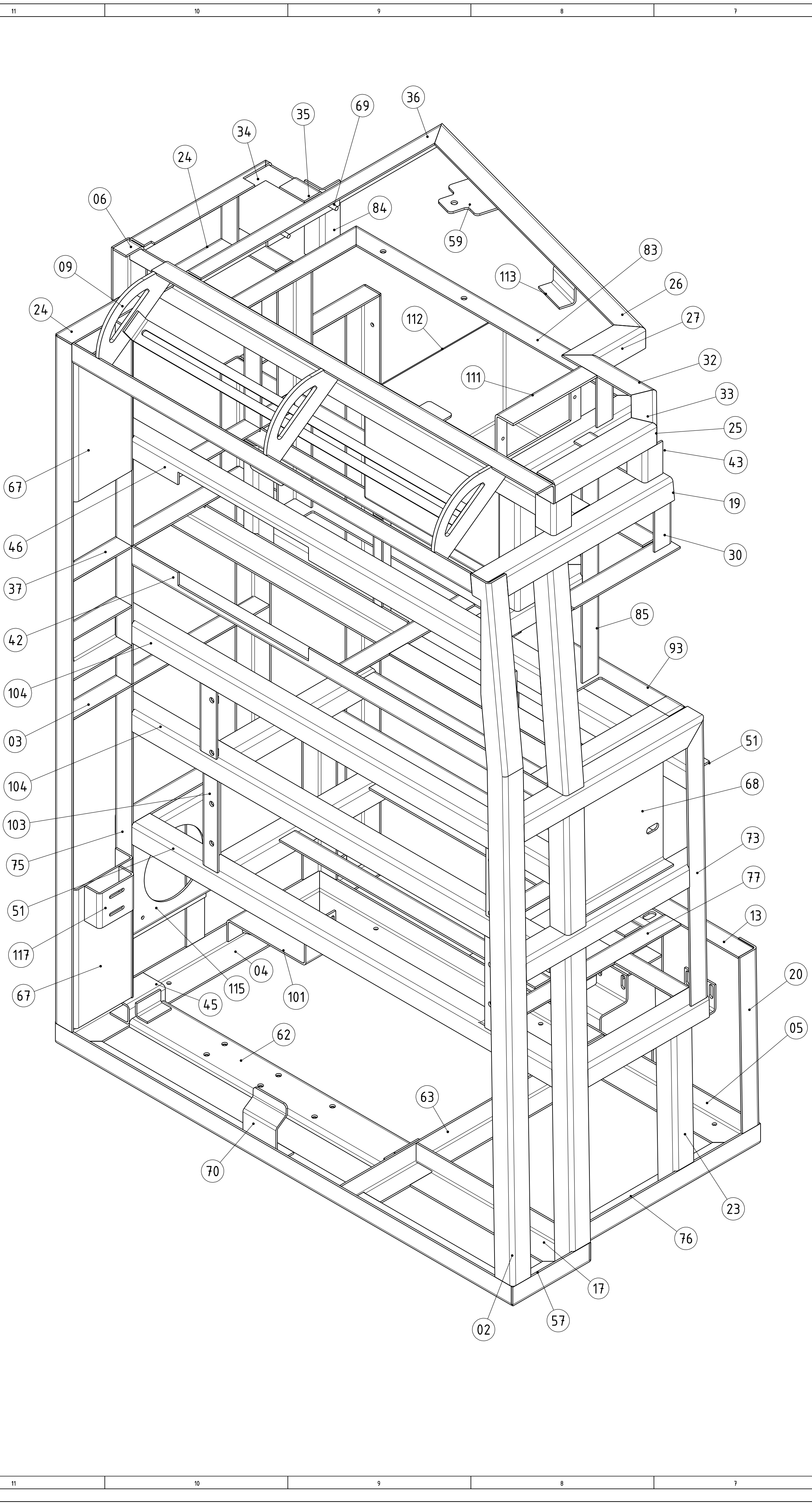
[illegible]

Technical drawing of a detail of a door or window frame, showing two views: a side view and a top view.

The side view (left) shows a vertical profile with a width of 55 and a height of 30. The top view (right) shows a rectangular shape with dimensions 26, 12, 14.5, and 2.5, and a radius R 5.

DETAIL-70

[illegible]

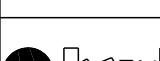


UNCONTROLLED

118	1	-	HEX HEAD FLANGE NUT	M6	ISO-7044-83/MATL: ISO-3506, Gr A2-70, SS	51	2	-	FRAME	25t, 30x30 L=7015	SUS304 / AISI304
117	1	-	BRACKET	25t, 25x25x60 L=50	SUS304 / AISI304	50	1	-	FRAME	25t, 30x30 L=338.5	SUS304 / AISI304
116	1	-	BRACKET	25t, 223.5X30	SUS304 / AISI304	48	1	-	HEX NUT	M6	SUS304 / AISI304
115	1	-	BRACKET	25t	SUS304 / AISI304	47	1	-	FRAME	25t, 30x30 L=205	SUS304 / AISI304
114	1	-	BRACKET	25t, 19x40 L=40	SUS304 / AISI304	46	1	-	FRAME	25t, 30x30 L=736.3	SUS304 / AISI304
113	1	-	BRACKET	25t, 20x20 L=50	SUS304 / AISI304	45	1	-	FRAME	25t, 30x30x37.5 L=60	SUS304 / AISI304
112	1	-	TRAY	15t, 150x230x230	SUS304 / AISI304	44	1	-	FRAME	25t, 30x30 L=73.5	SUS304 / AISI304
111	1	-	BRACKET	3t	SUS304 / AISI304	43	1	-	FRAME	25t, 30x30 L=73	SUS304 / AISI304
110	12	-	NUT PAD	5t	SUS304 / AISI304	42	1	-	FRAME	25t, 30x30x30 L=750	SUS304 / AISI304
109	2	-	FRAME	25t 30x30 L=98	SUS304 / AISI304	41	1	-	FRAME	25t, 30x30 L=92	SUS304 / AISI304
108	1	-	FRAME	25t 30x30 L=174.5	SUS304 / AISI304	40	1	-	FRAME	25t, 30x30 L=127	SUS304 / AISI304
107	1	-	FRAME	25t 30x30 L=44.0	SUS304 / AISI304	39	1	-	FRAME	25t, 30x30 L=340.5	SUS304 / AISI304
106	1	-	FRAME	25t 30x30 L=260	SUS304 / AISI304	38	1	-	FRAME	25t, 30x30 L=157	SUS304 / AISI304
105	1	-	FRAME	25t 30x30 L=260	SUS304 / AISI304	37	1	-	FRAME	25t, 30x30 L=327.5	SUS304 / AISI304
104	1	-	FRAME	25t 30x30 L=751.5	SUS304 / AISI304	36	1	-	FRAME	25t, 30x30 L=428	SUS304 / AISI304
103	2	-	FRAME	25t 30x30 L=133	SUS304 / AISI304	35	1	-	FRAME	25t, 30x30 L=94.5	SUS304 / AISI304
102	1	-	FRAME	25t	SUS304 / AISI304	34	1	-	FRAME	25t, 30x30 L=227.5	SUS304 / AISI304
101	1	-	FRAME	25t	SUS304 / AISI304	33	1	-	FRAME	25t, 30x30 L=71	SUS304 / AISI304
100	1	-	FRAME	25t 62x30 L=160	SUS304 / AISI304	32	1	-	FRAME	25t, 30x30 L=128	SUS304 / AISI304
99	2	-	FRAME	25t 30x30 L=161	SUS304 / AISI304	31	1	-	FRAME	25t, 30x30 L=104.5	SUS304 / AISI304
98	1	-	FRAME	25t	SUS304 / AISI304	30	1	-	FRAME	25t, 30x30 L=90	SUS304 / AISI304
97	1	-	FRAME	25t 30x30 L=70	SUS304 / AISI304	29	1	-	FRAME	25t, 30x30 L=343.5	SUS304 / AISI304
96	1	-	FRAME	25t, 30x30 L=154.5	SUS304 / AISI304	28	1	-	FRAME	25t, 30x30 L=205	SUS304 / AISI304
95	1	-	FRAME	25t, 30x30 L=154.5	SUS304 / AISI304	27	1	-	FRAME	25t, 30x30 L=80	SUS304 / AISI304
94	1	-	FRAME	25t, 30x30 L=367.5	SUS304 / AISI304	26	1	-	FRAME	25t, 30x30 L=484.5	SUS304 / AISI304
93	1	-	FRAME	25t, 80x30 L=694.5	SUS304 / AISI304	25	1	-	FRAME	25t, 30x30 L=170	SUS304 / AISI304
92	1	-	FRAME	25t, 30x30 L=183	SUS304 / AISI304	24	1	-	FRAME	25t, 30x30 L=306	SUS304 / AISI304
91	1	-	FRAME	25t, 30x30 L=201.5	SUS304 / AISI304	23	1	-	FRAME	25t, 30x30 L=277	SUS304 / AISI304
90	1	-	FRAME	25t, 30x30 L=156	SUS304 / AISI304	22	1	-	FRAME	25t, 30x30 L=227.5	SUS304 / AISI304
89	1	-	FRAME	25t, 30x30 L=64.5	SUS304 / AISI304	21	1	-	FRAME	25t, 30x30 L=330	SUS304 / AISI304
88	1	-	FRAME	25t, 30x30 L=761	SUS304 / AISI304	20	1	-	FRAME	25t, 30x30 L=252	SUS304 / AISI304
87	1	-	FRAME	25t, 30x30 L=993.5	SUS304 / AISI304	19	1	-	FRAME	25t, 30x30 L=305	SUS304 / AISI304
86	1	-	FRAME	25t, 30x30 L=505	SUS304 / AISI304	18	1	-	FRAME	25t, 30x30 L=840	SUS304 / AISI304
85	1	-	FRAME	25t, 30x30 L=340.5	SUS304 / AISI304	17	1	-	FRAME	25t, 30x30 L=289	SUS304 / AISI304
84	1	-	FRAME	25t, 30x30 L=106	SUS304 / AISI304	16	1	-	FRAME	25t, 30x30 L=227.5	SUS304 / AISI304
83	1	-	FRAME	25t, 30x30 L=493.5	SUS304 / AISI304	15	1	-	FRAME	25t, 30x30 L=208	SUS304 / AISI304
82	1	-	FRAME	25t, 30x30 L=145	SUS304 / AISI304	14	1	-	FRAME	25t, 30x30 L=97.5	SUS304 / AISI304
81	1	-	FRAME	25t, 30x30 L=236	SUS304 / AISI304	13	1	-	FRAME	25t, 30x30 L=726.5	SUS304 / AISI304
80	1	-	FRAME	25t, 30x30 L=238.5	SUS304 / AISI304	12	1	-	FRAME	25t, 30x30 L=327.5	SUS304 / AISI304
79	1	-	FRAME	25t, 30x30 L=73.5	SUS304 / AISI304	11	1	-	FRAME	25t, 30x30 L=156	SUS304 / AISI304
78	2	-	FRAME	25t, 30x30 L=427	SUS304 / AISI304	10	1	-	FRAME	25t, 30x30 L=723.5	SUS304 / AISI304
77	1	-	FRAME	25t, 30x30 L=338.5	SUS304 / AISI304	9	3	-	BRACKET	3t	SUS304 / AISI304
76	1	-	FRAME	25t, 30x30 L=313.5	SUS304 / AISI304	8	1	-	FRAME	25t, 30x30 L=76	SUS304 / AISI304
75	1	-	FRAME	25t, 30x30 L=450.5	SUS304 / AISI304	7	1	-	FRAME	25t, 30x30 L=47	SUS304 / AISI304
74	1	-	FRAME	25t, 30x30 L=401	SUS304 / AISI304	6	1	-	FRAME	25t, 30x30 L=708	SUS304 / AISI304
73	1	-	FRAME	25t, 30x30 L=401	SUS304 / AISI304	5	1	-	FRAME	25t, 30x30 L=731	SUS304 / AISI304
72	1	-	FRAME	25t, 30x30 L=222	SUS304 / AISI304	4	1	-	FRAME	25t, 30x30 L=438.5	SUS304 / AISI304
71	1	-	BRACKET	25t, 26x12 L=55	SUS304 / AISI304	3	1	-	FRAME	25t, 30x30 L=327.5	SUS304 / AISI304
70	1	-	BRACKET	25t	SUS304 / AISI304	2	1	-	FRAME	25t, 30x30 L=995	SUS304 / AISI304
69	1	-	BRACKET WITH STUDS	3t, M5x15	SUS304 / AISI304 FOR STUDS -SS, Gr. A2-70	1	2	-	BRACKET WITH STUDS	3t, M5x15	SUS304 / AISI304 FOR STUDS -SS, Gr. A2-70

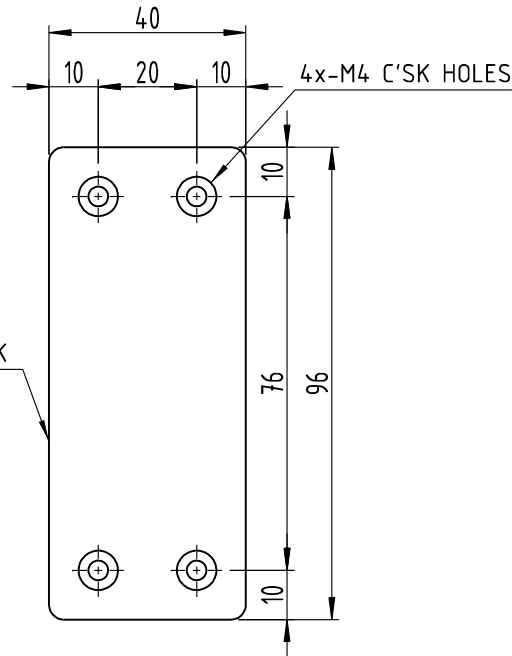
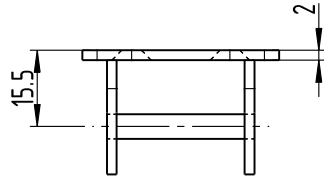
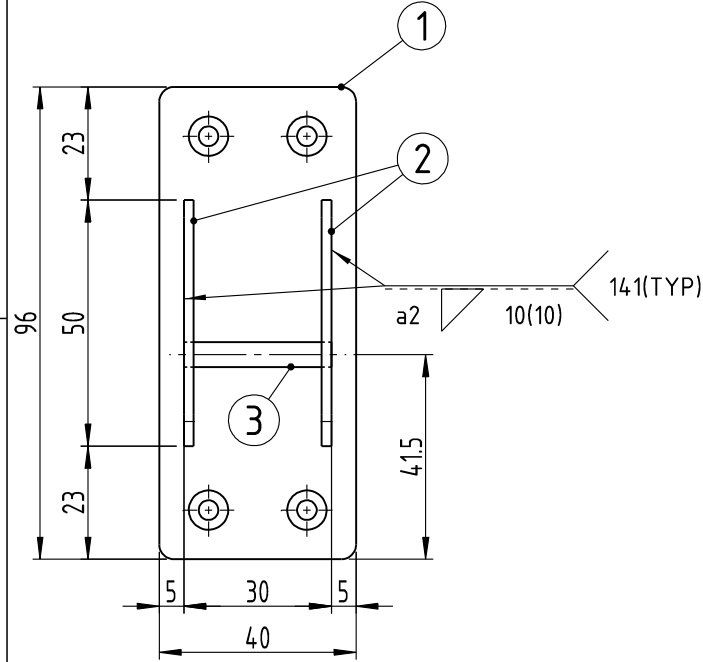
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ASSY SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. WELDING SYMBOLS ACCORDING TO ISO:2553.
4. WELD AREAS SHALL BE PICKLED AND PASSIVATED.
5. REMOVE SHARP EDGES AND BURRS.
6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION

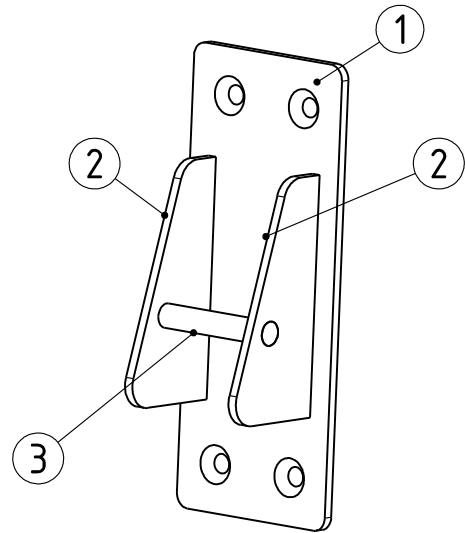
SL.No.		QTY	PART / STOCK No.				DESCRIPTION		SIZE	COMPANY STD./IS		Wt. (Kg)
										MATERIAL		
△							PRODUCT	MUMBAI METRO CARS - L2 & L7				
△							REF DRG					
△							MATERIAL	SUS304 / AISI304-2B FINISH				
△							HEAT	APPD		<i>[Signature]</i>	18.07.2019	
△							TREAT	REVD		<i>[Signature]</i>	18.07.2019	
△							SURFACE	CHKD		<i>[Signature]</i>	18.07.2019	
△							TREAT	DRWN		<i>[Signature]</i>	18.07.2019	
△							TITLE	SCALE		1:5	SHEET 6 OF 6	
△							AUX. DESK FRAME		DRG No.		Wt. -	
△							 BEML LIMITED <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		525-18126		ALT	
ALT.NO		ECN NO/CHANGES			DATE	BY	CHKD	APPD				△

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

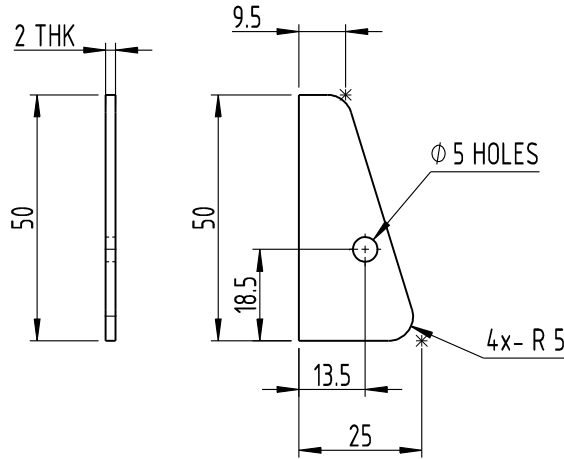


DETAIL-1

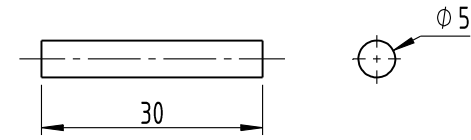


ISOMETRIC VIEW

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 2



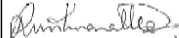






DETAIL 3

UNCONTROLLED

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. WELDING SYMBOLS ACCORDING TO ISO:2553.
4. WELD AREAS SHALL BE PICKLED AND PASSIVATED.
5. REMOVE SHARP EDGES AND BURRS.
6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

3	1	-	PIN			DIA. 5x30		SUS304/AISI304-2B FINISH			
2	2	-	BRACKET			2THK		SUS304/AISI304-2B FINISH			
1	1	-	PLATE			96x40x2THK		SUS304/AISI304-2B 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	SUS304/AISI304-2B FINISH				
						HEAT TREAT.		APPD		10.06.2020	
						SURFACE TREAT.		REVD		10.06.2020	
						TITLE	BRACKET ASSY	CHKD		10.06.2020	
								DRWN		10.06.2020	
								SCALE			SHEET
								1:1.5		1 OF 1	-
ALT.NO.	ECN NO/CHANGES		DATE	BY	CHKD	APPD	DRG No.			ALT	
							 BEML LIMITED <small>NEW FRONTIER. NEW DREAMS</small>				
							525-18134				



BEML LIMITED

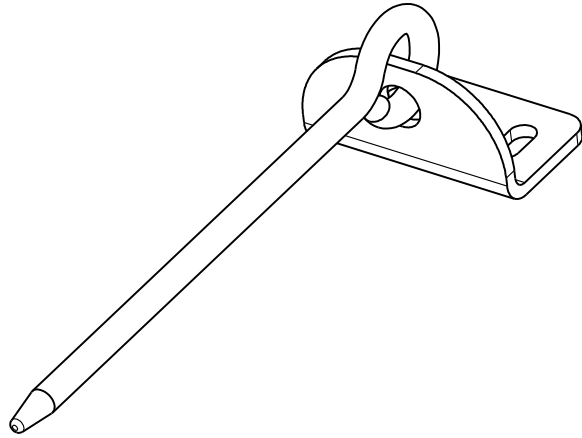
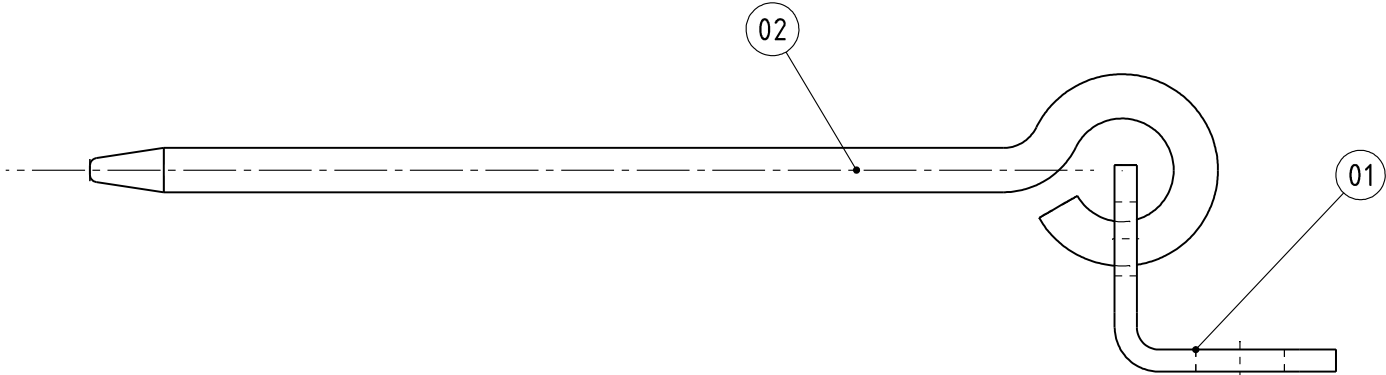
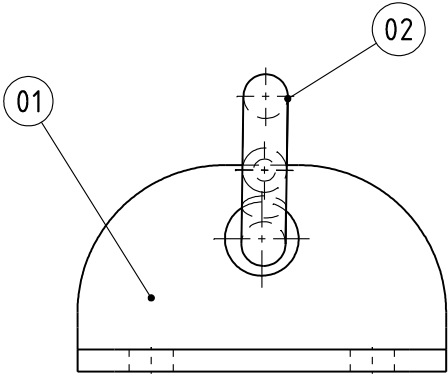
525-18134

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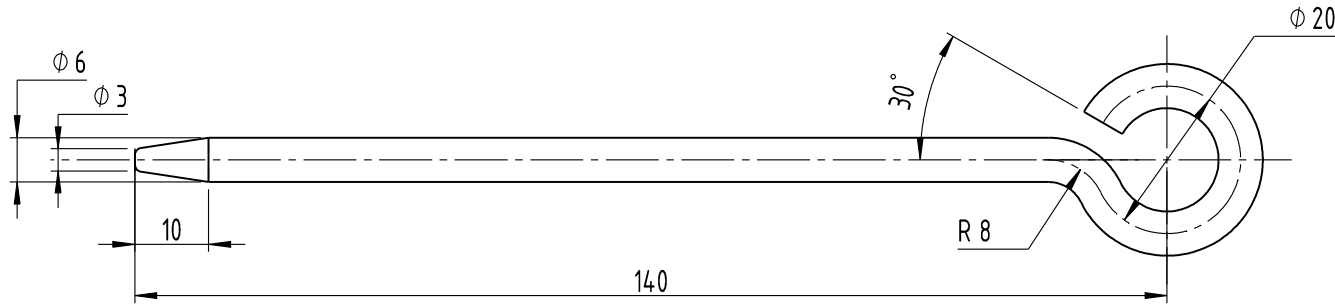
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50
SYMBOL												
SURFACE ROUGHNESS												

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										

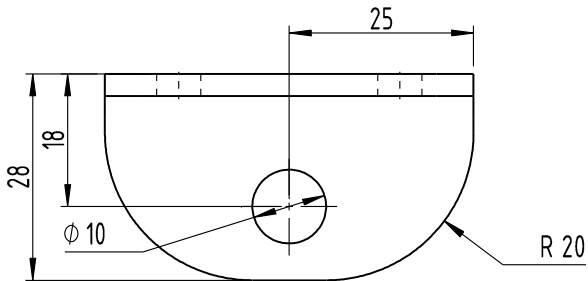
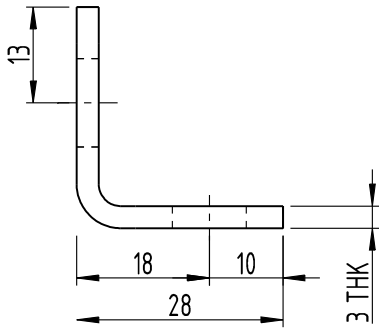
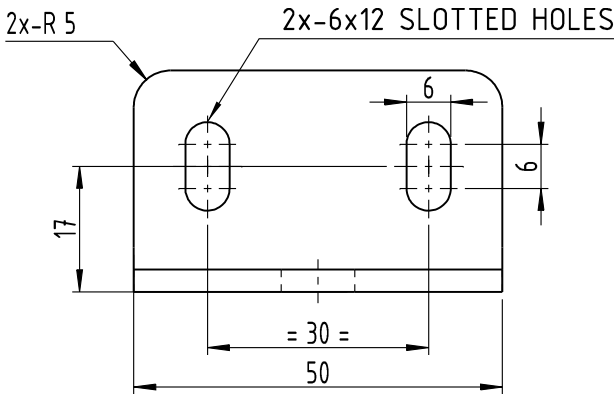


ISOMETRIC VIEW









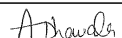



DETAIL '2'

UNCONTROLLED



DETAIL '1'

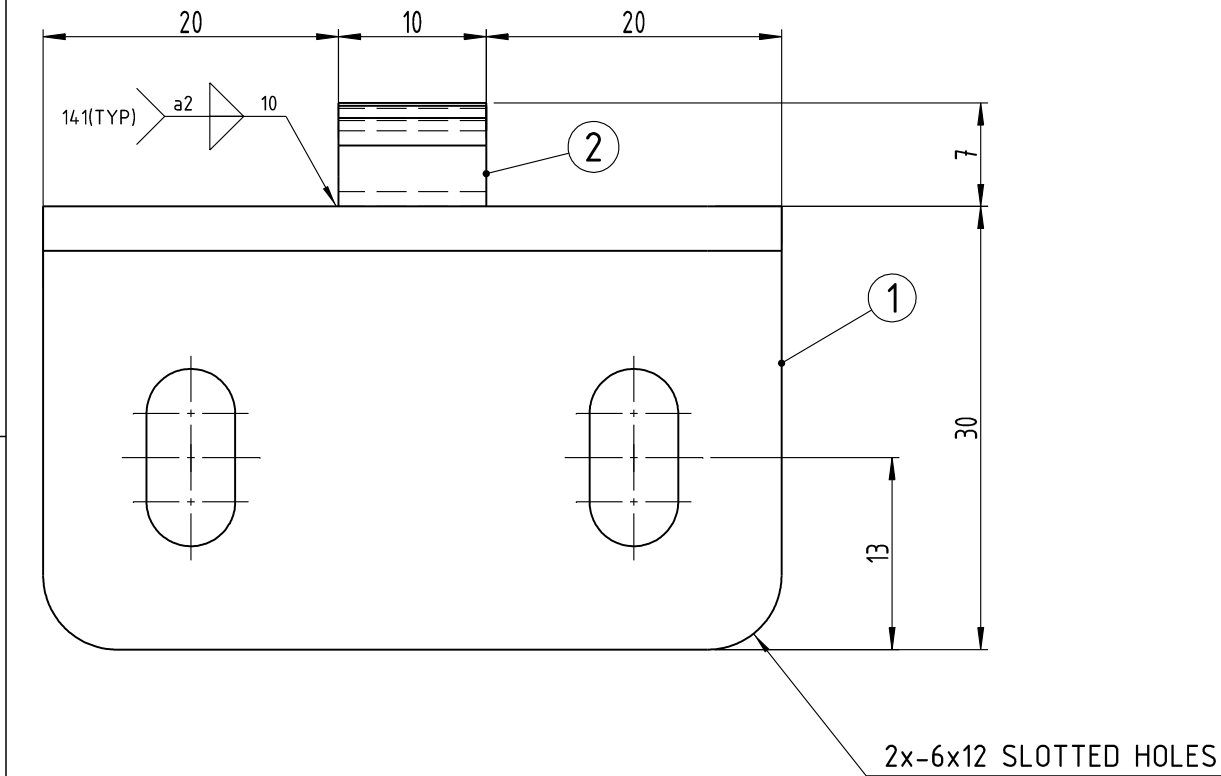
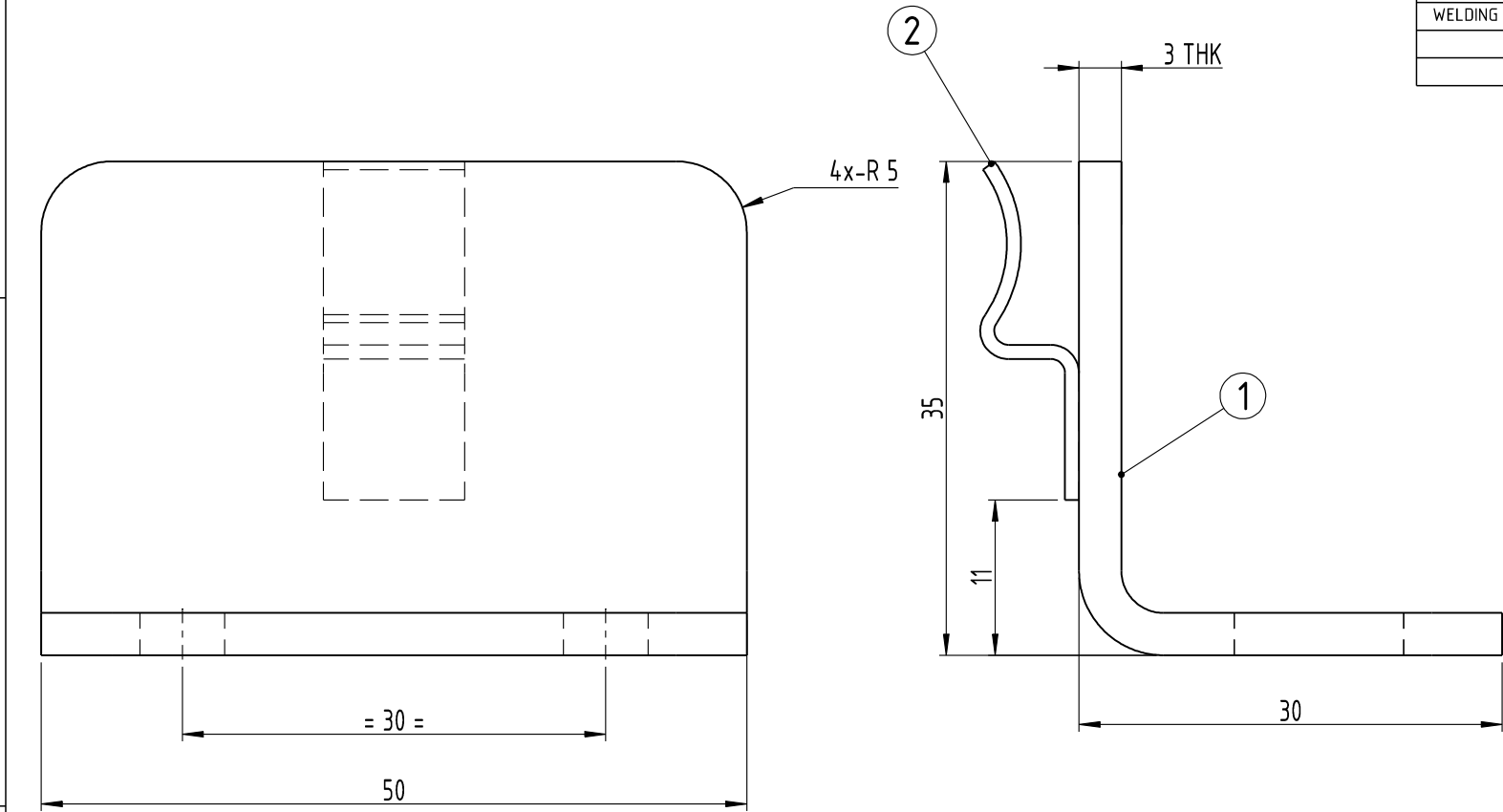
- NOTE:
1. ALL DIMENSIONS ARE IN mm.
 2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
 3. REMOVE SHARP EDGES AND BURRS.
 4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

2	1	-	SUPPORT				Ø6	SUS304/AISI304-2B FINISH				
1	1	-	BRACKET				PL 30x28x3†,L=50	SUS304/AISI304-2B 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	SUS304/AISI304-2B FINISH					
							HEAT TREAT.	APPD		11.06.2020		
						SURFACE TREAT.	REVD					11.06.2020
												
						BRACKET ASSY	DRWN					11.06.2020
						1:1					1 OF 1	-
												
								ALT.NO.	ECN NO/CHANGES	DATE		
 BEML LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>												

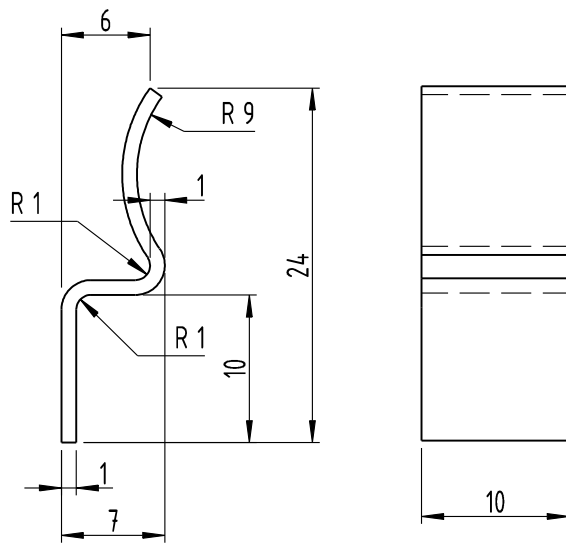


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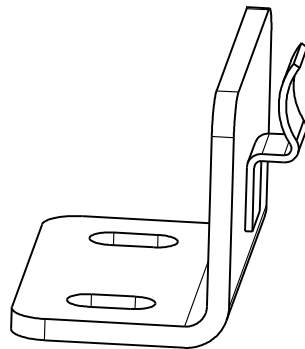
GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	VALUE	SYMBOL
	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50		
SURFACE ROUGHNESS														



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 '2'





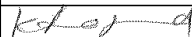



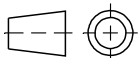





ISOMETRIC VIEW

UNCONTROLLED

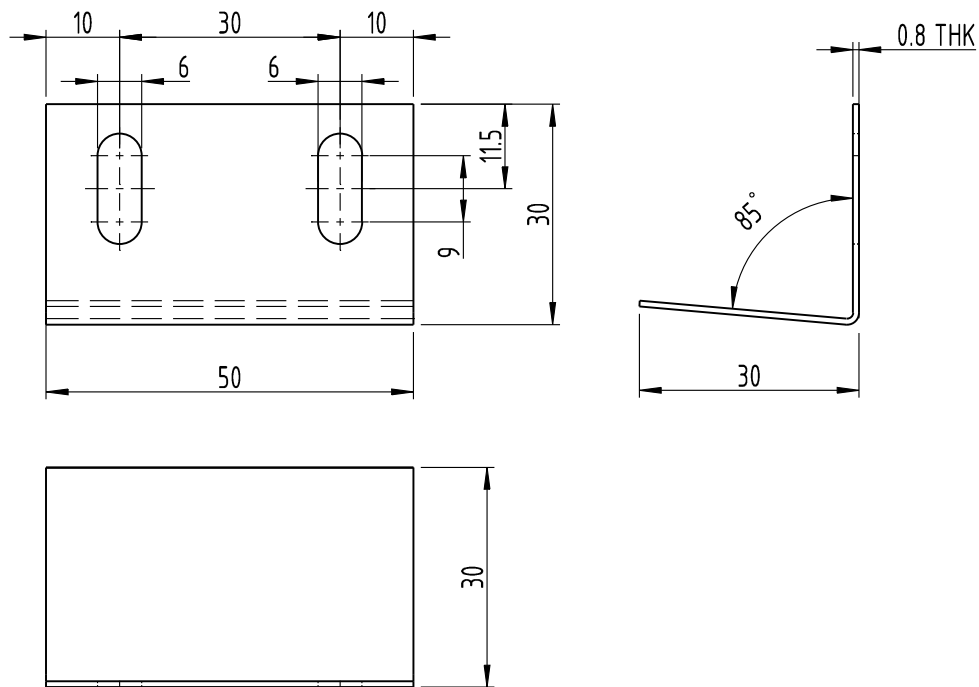
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. WELDING SYMBOLS ACCORDING TO ISO:2553.
4. WELD AREAS SHALL BE PICKLED & PASSIVATED.
5. REMOVE SHARP EDGES AND BURRS.
6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

2	1	-	BRACKET				1t		SUS304/AISI304-2B FINISH					
1	1	-	BRACKET				65x50x3t		SUS304/AISI304-2B 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	SUS304/AISI304-2B FINISH						
							HEAT TREAT.			APPD			11.06.2020	
							SURFACE TREAT.			REVD			11.06.2020	
							TITLE	BRACKET			CHKD			11.06.2020
							DRWN						11.06.2020	
							SCALE			SHEET	Wt.			
							1:1			1 OF 1	-			
							DRG No.					ALT		
ALT.NO.	ECN NO/CHANGES			DATE	BY	CHKD	APPD	 BEM LIMITED <small>NEW FRONTIERS - NEW DREAMS</small>			525-18136			

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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										



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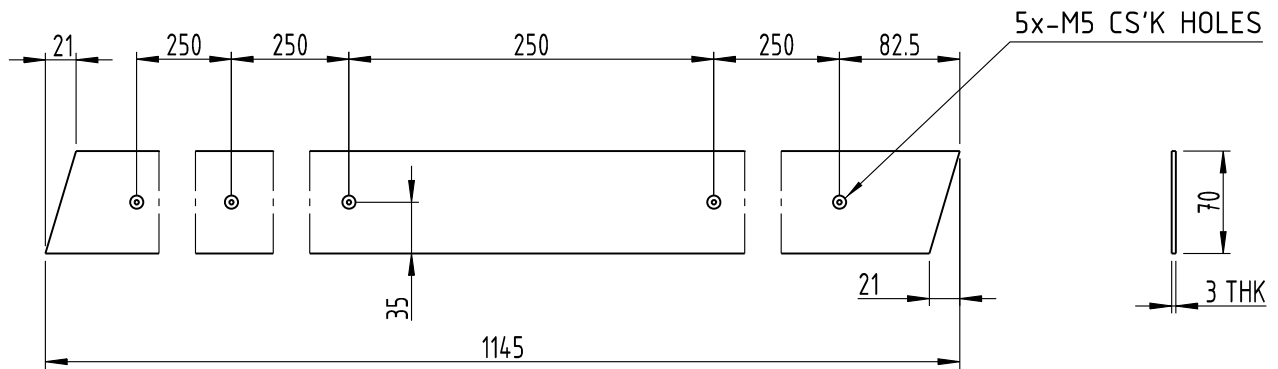
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
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									
N7	1.6	▽	△					PRODUCT	MUMBAI METRO CARS - L2 & L7								
N8	3.2	▽															
N9	6.3	▽															
N10	12.5	▽	△					REF DRG									
N11	25	▽															
N12	50	▽															
SURFACE ROUGHNESS		△						MATERIAL	SUS304/AISI304-2B FINISH								
											HEAT TREAT.	APPD	11.06.2020				
											SURFACE TREAT.			REVD	11.06.2020		
											TITLE					CHKD	11.06.2020
BRACKET								SCALE		SHEET	Wt.						
								1:1		1 OF 1	-						
DRG No.								525-18137		ALT							
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										



SL NO.	PART NO.	DESCRIPTION	WT (KG)	REMARKS
1	525-18155-300	PANEL PLATE-LH	1.89	AS DRAWN
2	525-18155-301	PANEL PLATE-RH	1.89	OPPOSITE

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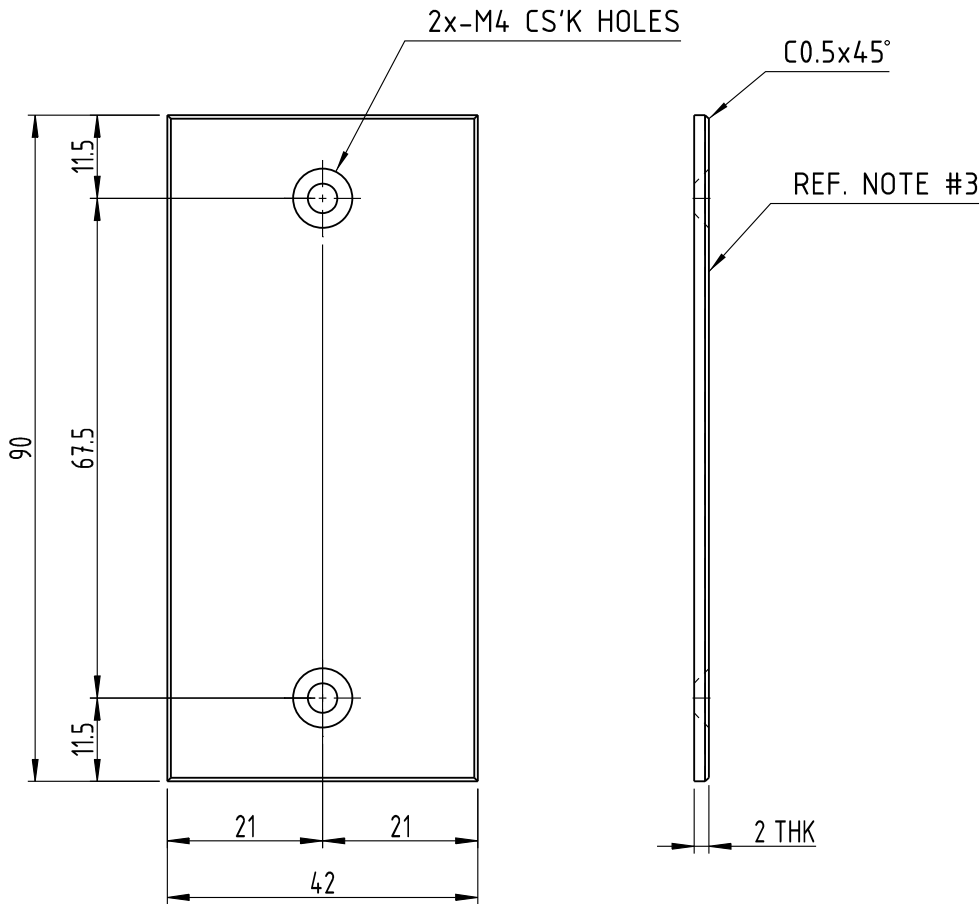
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
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						
N7	1.6	▽	△			PRODUCT	MUMBAI METRO CARS - L2 & L7							
N8	3.2	▽					REF DRG							
N9	6.3	▽						MATERIAL	SUS304/AISI304-2B FINISH					
N10	12.5	▽	HEAT TREAT. SURFACE TREAT. TITLE	APPD	[Signature]				21.04.2020					
N11	25	▽			REVD	[Signature]			21.04.2020					
N12	50	▽				CHKD	[Signature]		21.04.2020					
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY			CHKD	APPD	PANEL PLATE	DRWN	[Signature]	21.04.2020		
					SCALE								[Symbol]	SHEET
					NTS	[Symbol]							1 OF 1	-
BEML LIMITED							DRG No.		ALT					
							525-18155		[Symbol]					

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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/5025.
3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480. NO.6 FINISH.
4. REMOVE SHARP EDGES AND BURRS.
5. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

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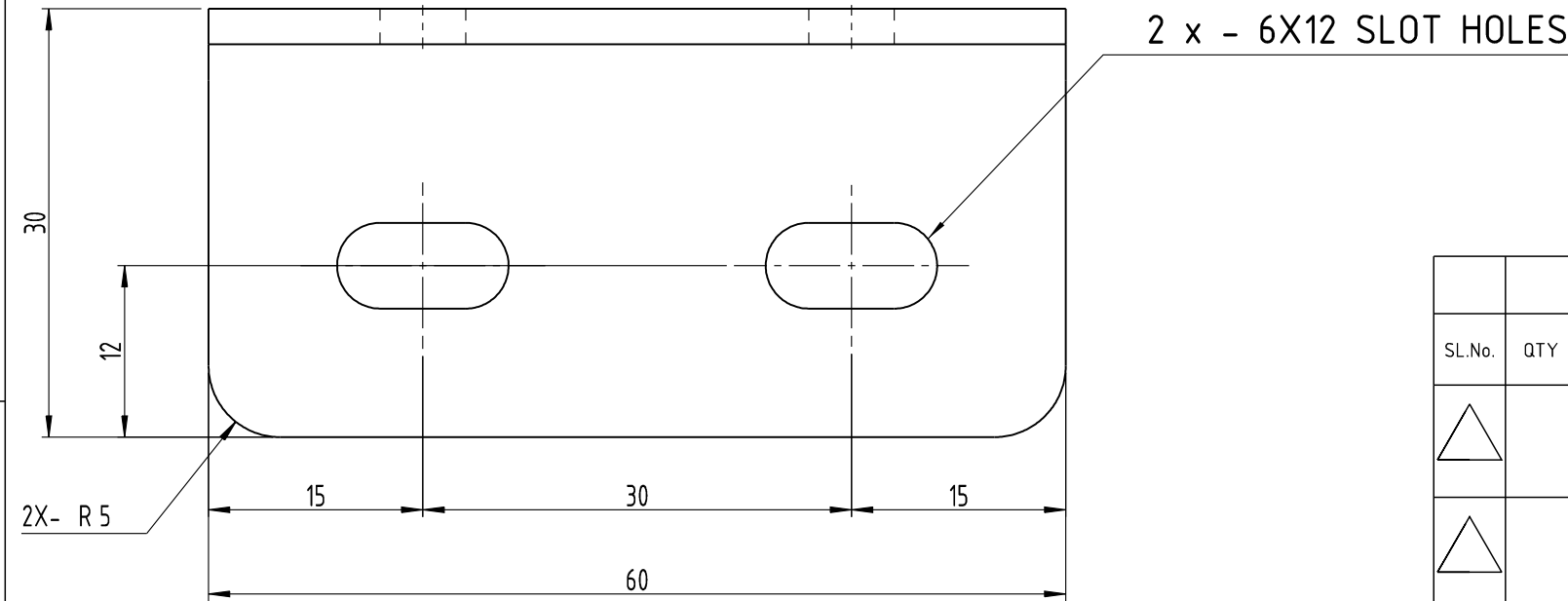
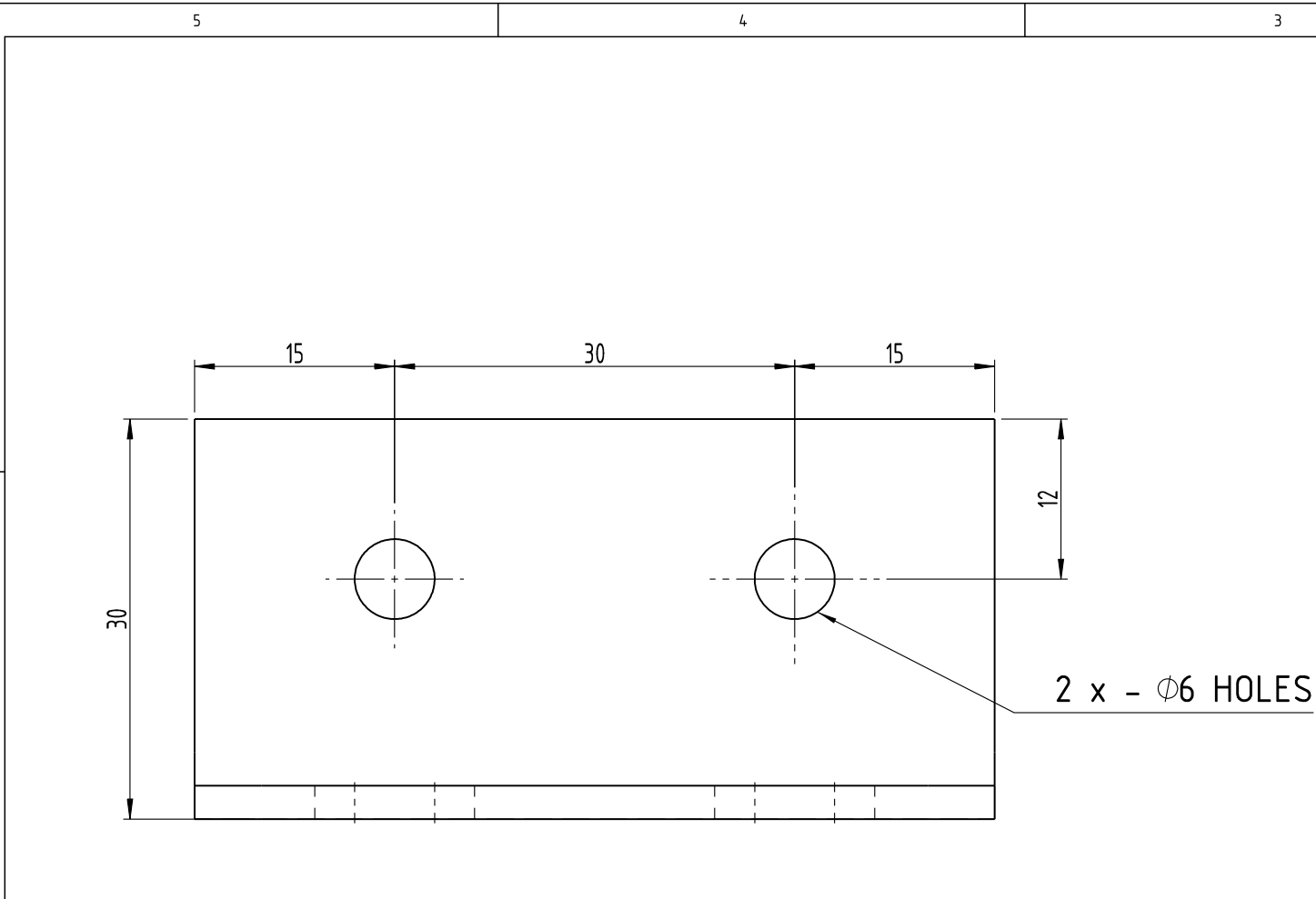
GRADE No.	VALUE	SYMBOL	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	MUMBAI METRO CARS - L2 & L7		90x42x2THK	COMPANY STD./I.S	Wt. (Kg)
									PRODUCT				
									REF DRG				
									MATERIAL	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH			
									HEAT TREAT.		APPD	12.05.2020	
									SURFACE TREAT.		REVD	12.05.2020	
									TITLE	COVER PLATE	CHKD	12.05.2020	
											DRWN	12.05.2020	
									SCALE	1:1	SHEET	1 OF 1	Wt.
													0.059 kg
									DRG No.	525-18163			ALT



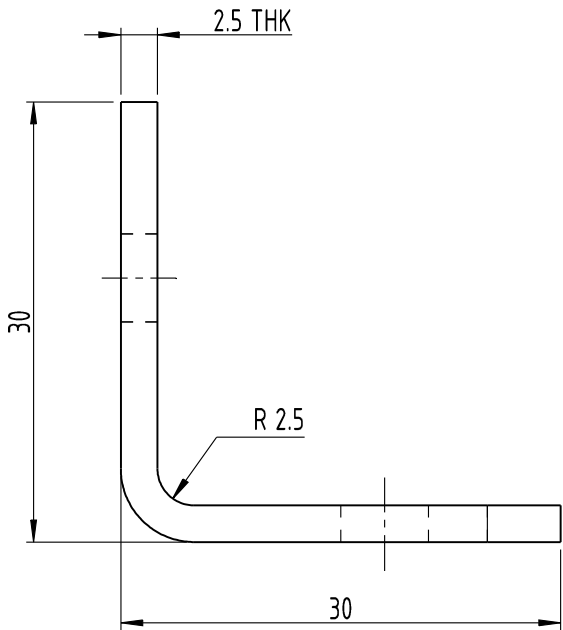
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	SYMBOL
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
ROUGHNESS													



		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	~
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										



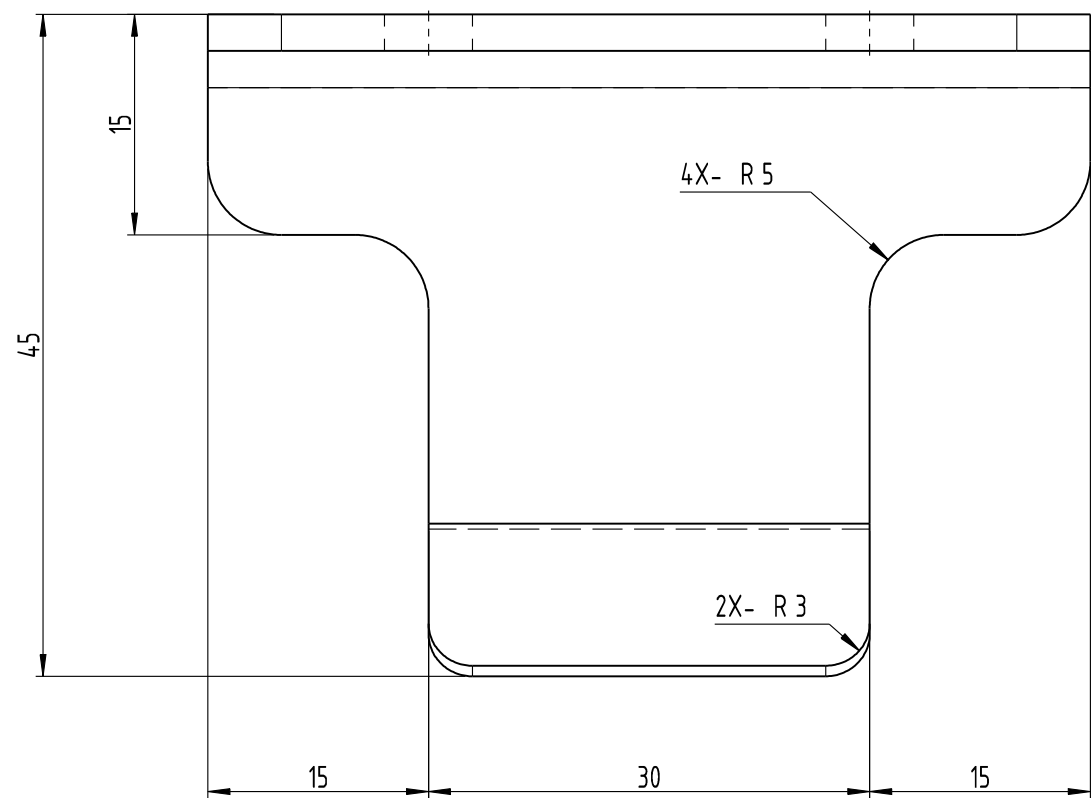
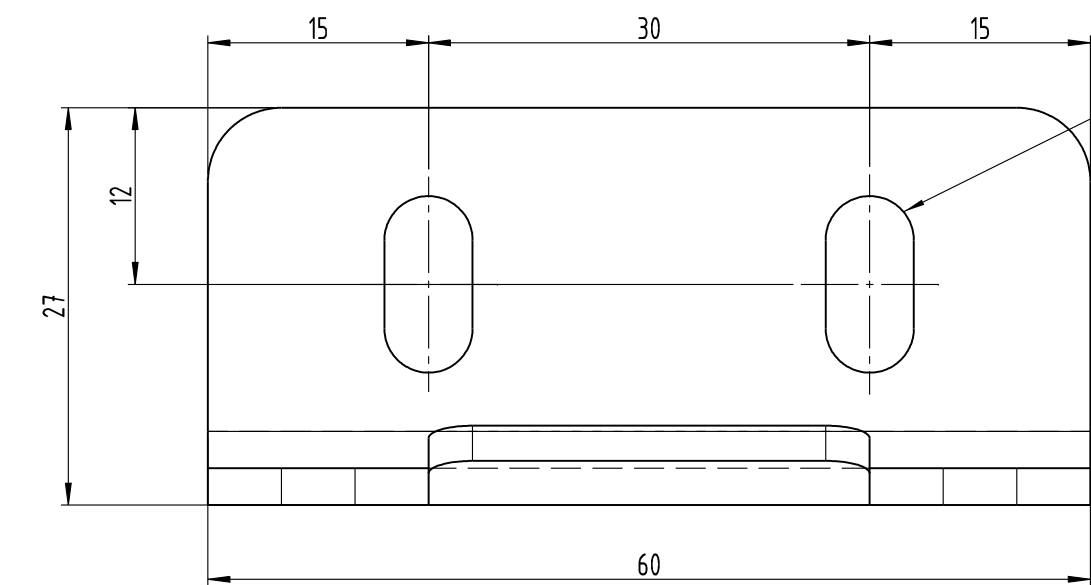
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- NOTE:
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 3. REMOVE SHARP EDGES AND BURRS.
 4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

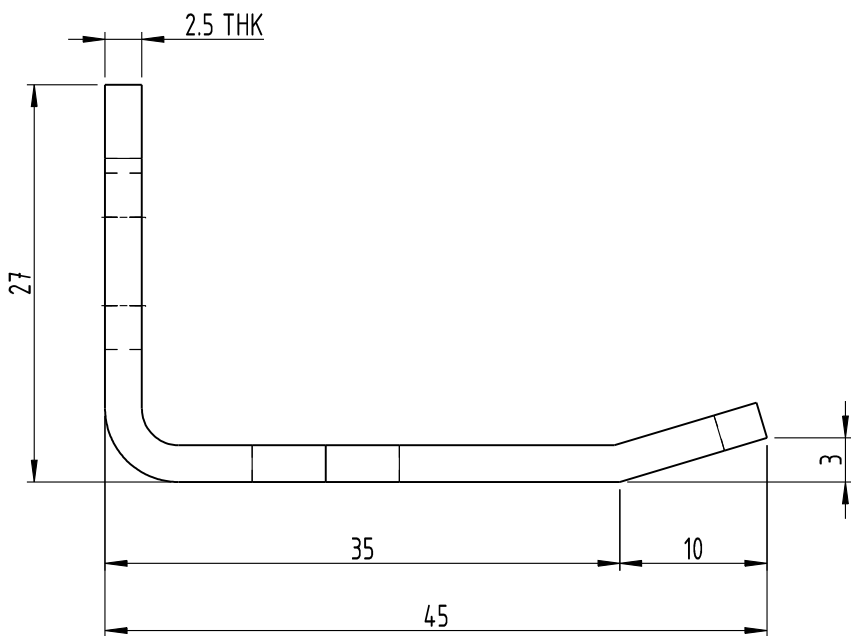
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50
SYMBOL												
SURFACE ROUGHNESS												



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

- NOTE:
- ALL DIMENSIONS ARE IN mm.
 - THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
 - REMOVE SHARP EDGES AND BURRS.
 - SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

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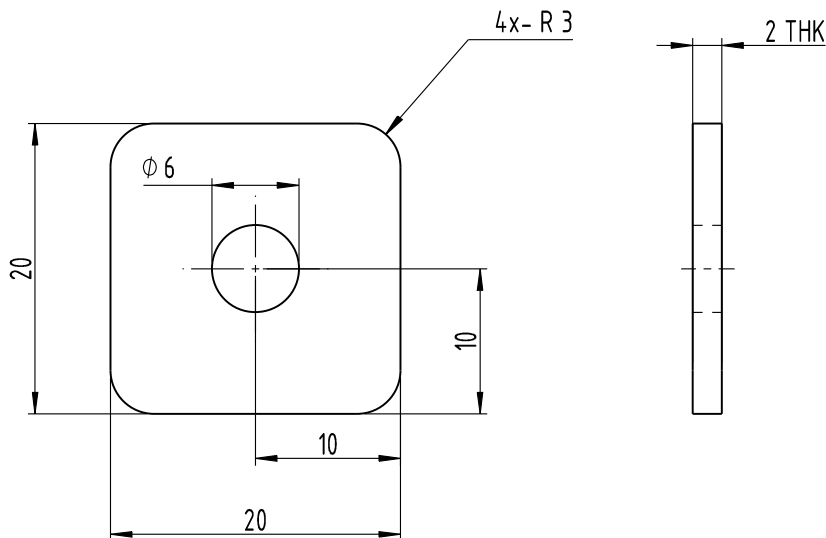
BEML LIMITED

525-18166



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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:

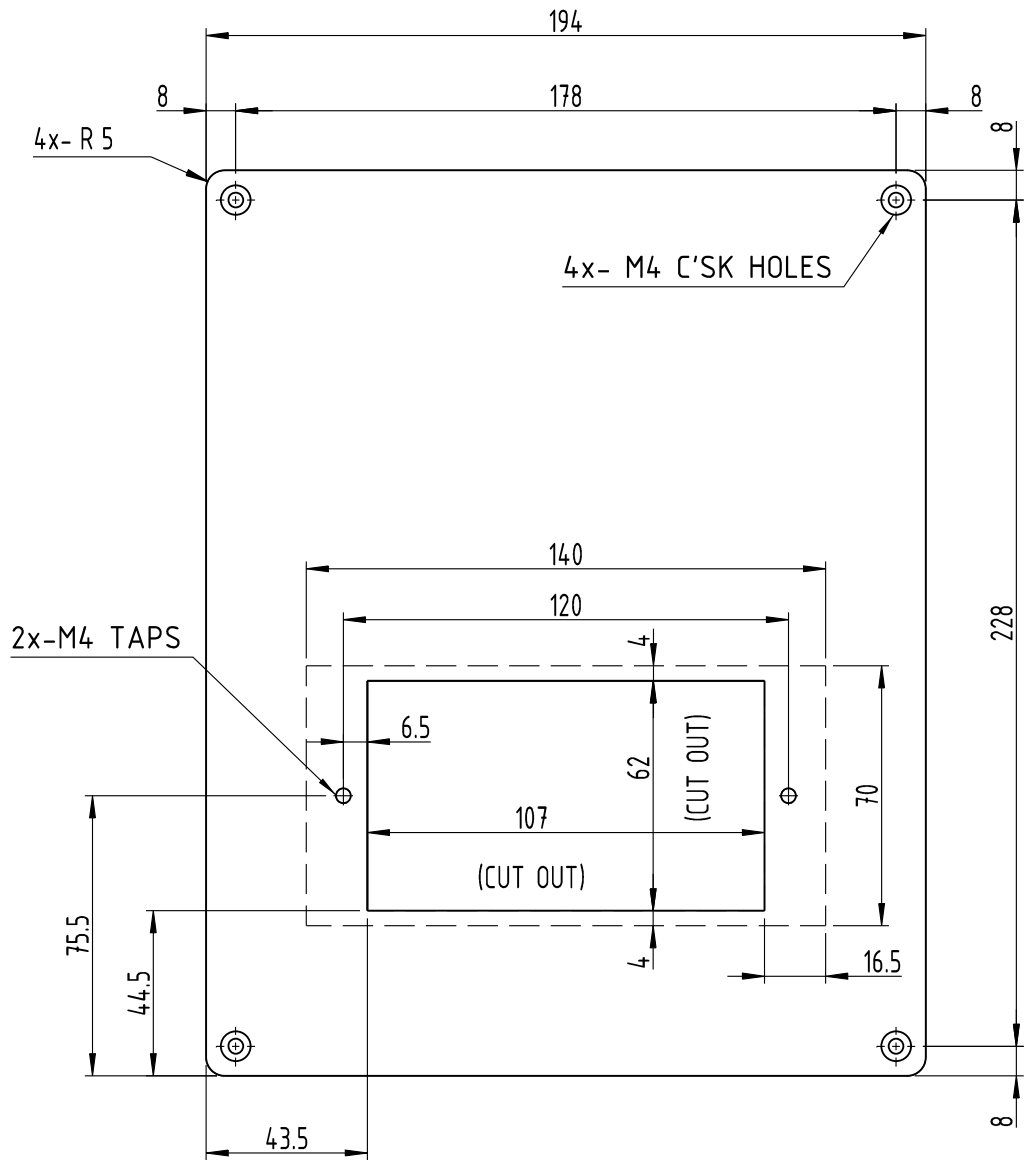
1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

GRADE No. VALUE SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S		Wt. (Kg)		
						MATERIAL				
N7	16	✓		PRODUCT	MUMBAI METRO CARS - L2 & L7					
N8	32	✓								
N9	63	✓								
N10	125	✓		REF DRG						
N11	25	✓		MATERIAL	SUS304/AISI304-2B FINISH					
N12	50	✓		HEAT TREAT.	APPD	[Signature]		01.07.2019		
				SURFACE TREAT.	REVD	[Signature]		01.07.2019		
				TITLE	CHKD	[Signature]		01.07.2019		
					DRWN	[Signature]		01.07.2019		
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	SCALE	[Symbol]	SHEET	Wt.
							NTS	[Symbol]	1 OF 1	0.0063 kg
DRG No.							ALT			
BEML LIMITED							525-18181		[Symbol]	

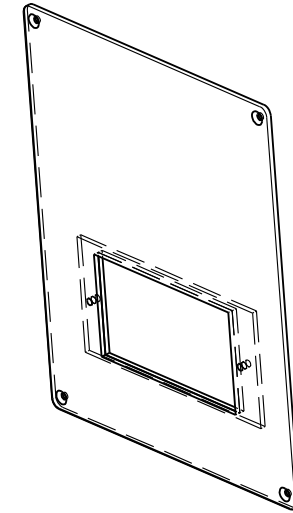
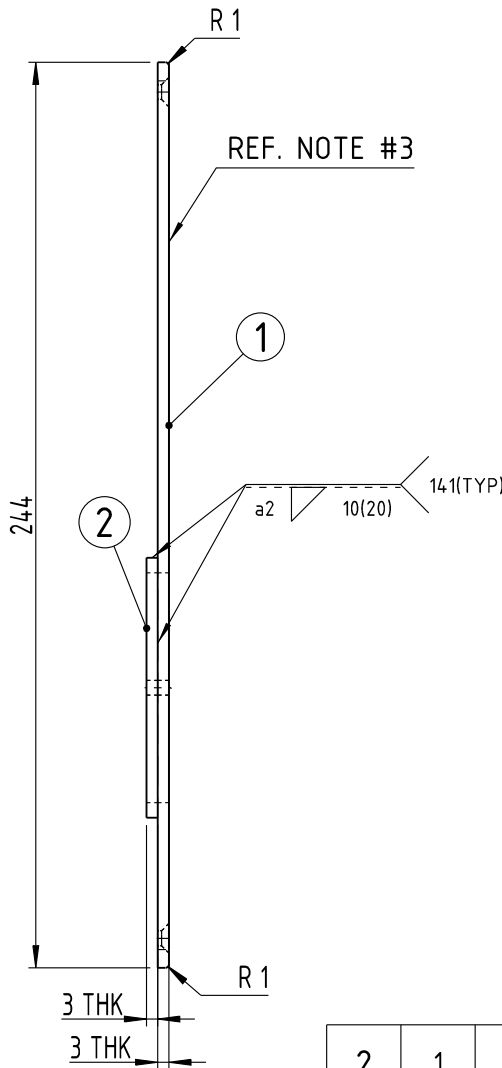
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
SYMBOL													

SURFACE ROUGHNESS






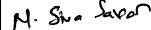
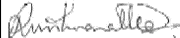






- NOTE:
1. ALL DIMENSIONS ARE IN mm.
 2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
 3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480, NO.6 FINISH.
 4. THE WELDING SYMBOLS ACCORDING TO ISO:2553.
 5. REMOVE SHARP EDGES AND BURRS.
 6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.



ISOMETRIC VIEW

UNCONTROLLED

2	1	-	NUT PLATE			140x70x3t	SUS304/AISI304		
1	1	-	COVER PLATE			224x194x3t	SUS304/AISI304		
SL.No.	QTY	PART / STOCK No.			DESCRIPTION	SIZE	COMPANY STD./I.S		Wt. (Kg)
							MATERIAL		
					PRODUCT	MUMBAI METRO CARS - L2 & L7			
					REF DRG				
					MATERIAL	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH			
					HEAT TREAT.	APPD		12.05.2020	
					SURFACE TREAT.	REVD		12.05.2020	
					TITLE	CHKD		12.05.2020	
					COVER PLATE, SOCKET	DRWN		12.05.2020	
						SCALE		SHEET	Wt.
					1:1		1 OF 1	1.034 kg	
						DRG No.			ALT
						525-18203			
ALT.NO.	ECN NO/CHANGES		DATE	BY	CHKD	APPD	 BEM LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>		



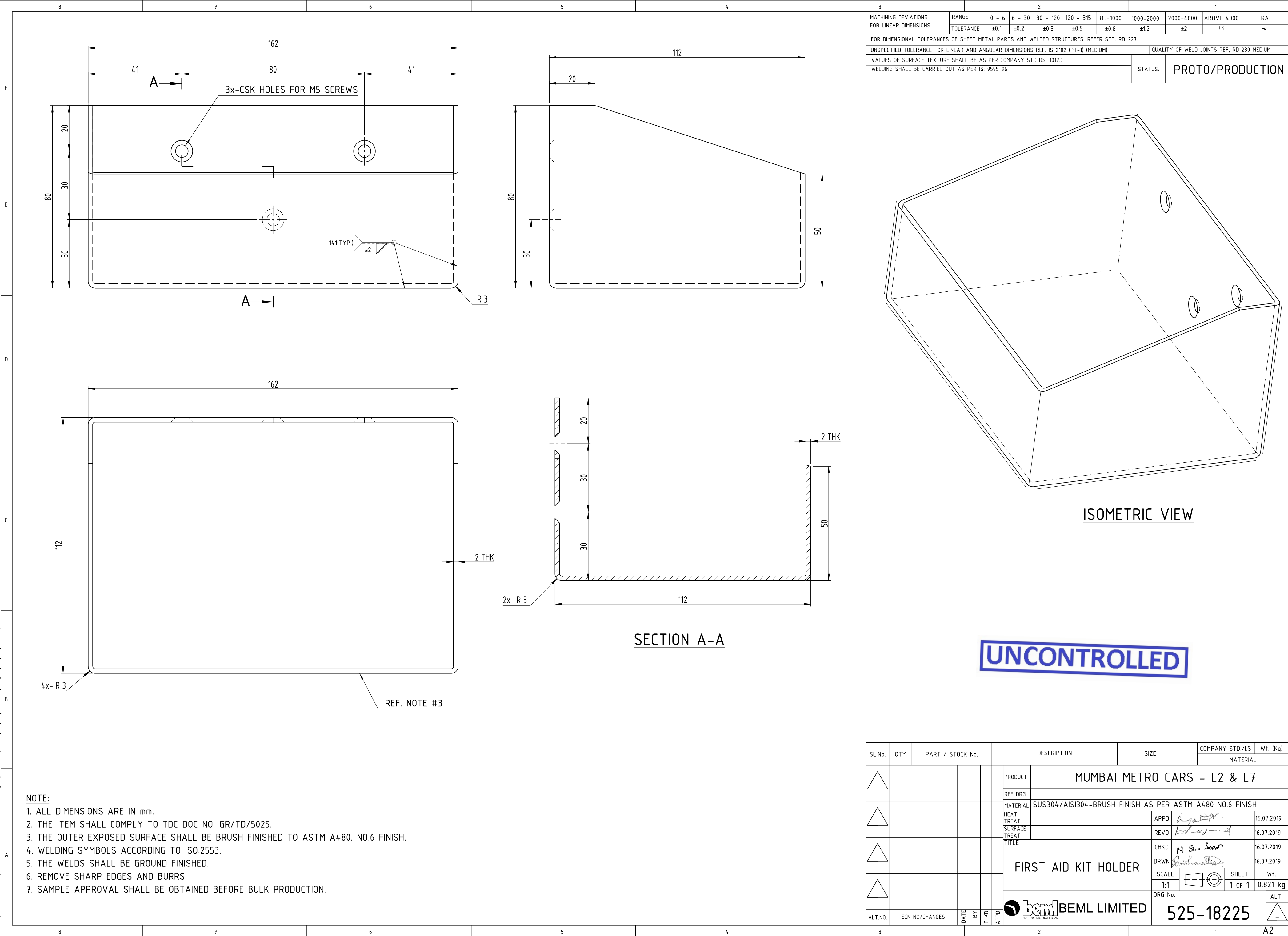
BEML LIMITED

525-18203

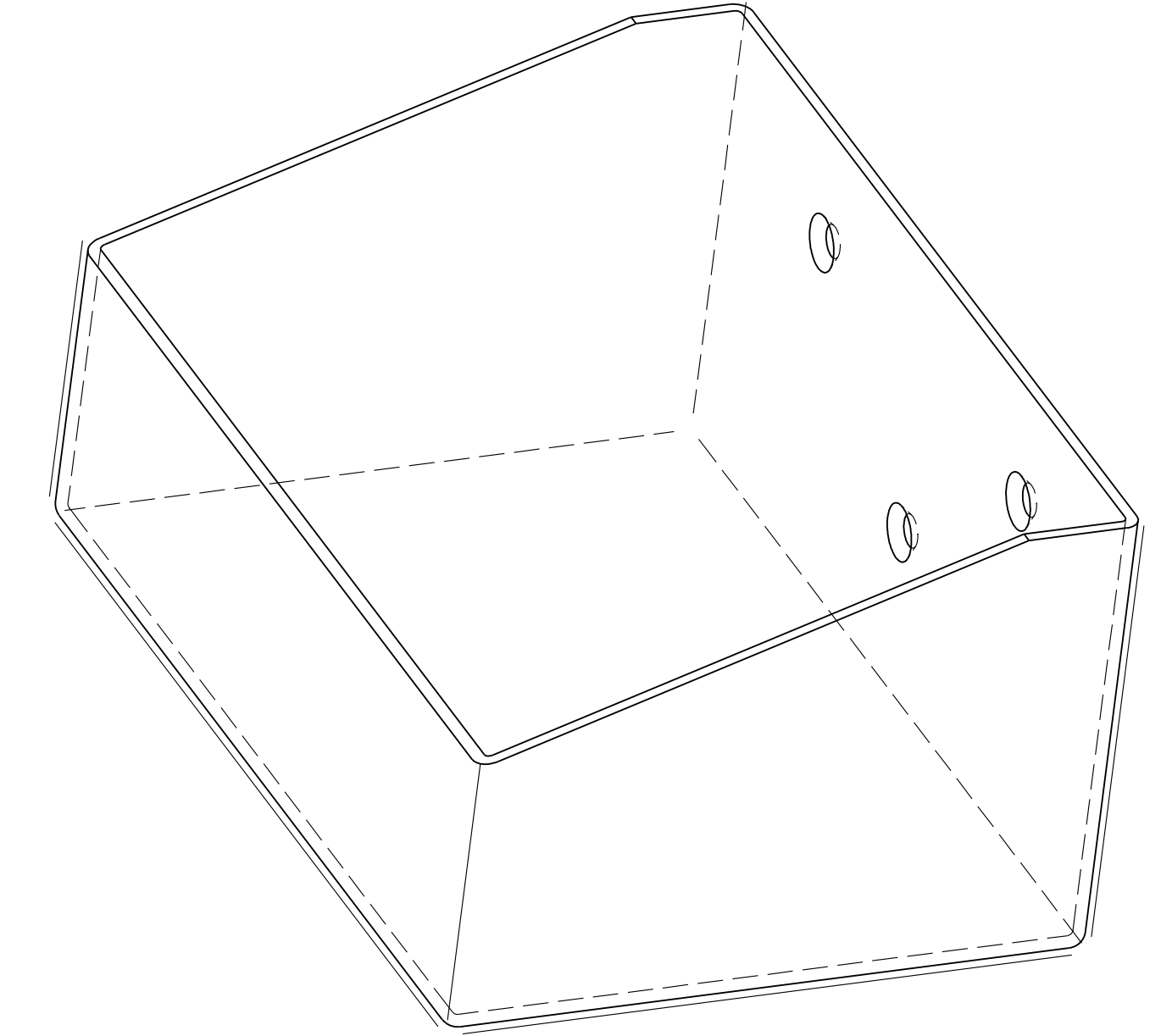


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GRADE No.
VALUE
SYMBOL
SURFACE
ROUGHNESS



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										



ISOMETRIC VIEW

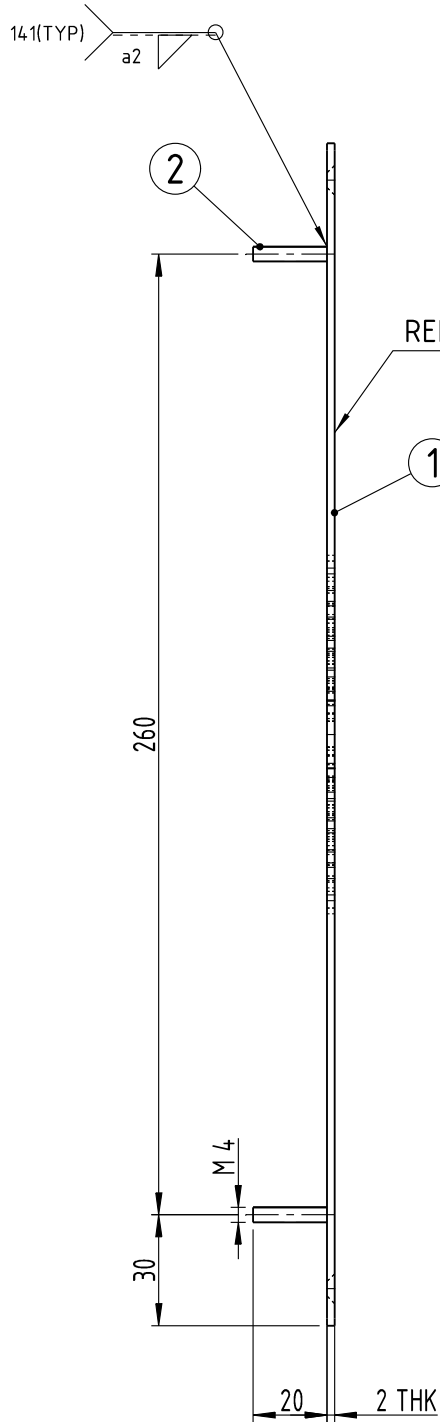
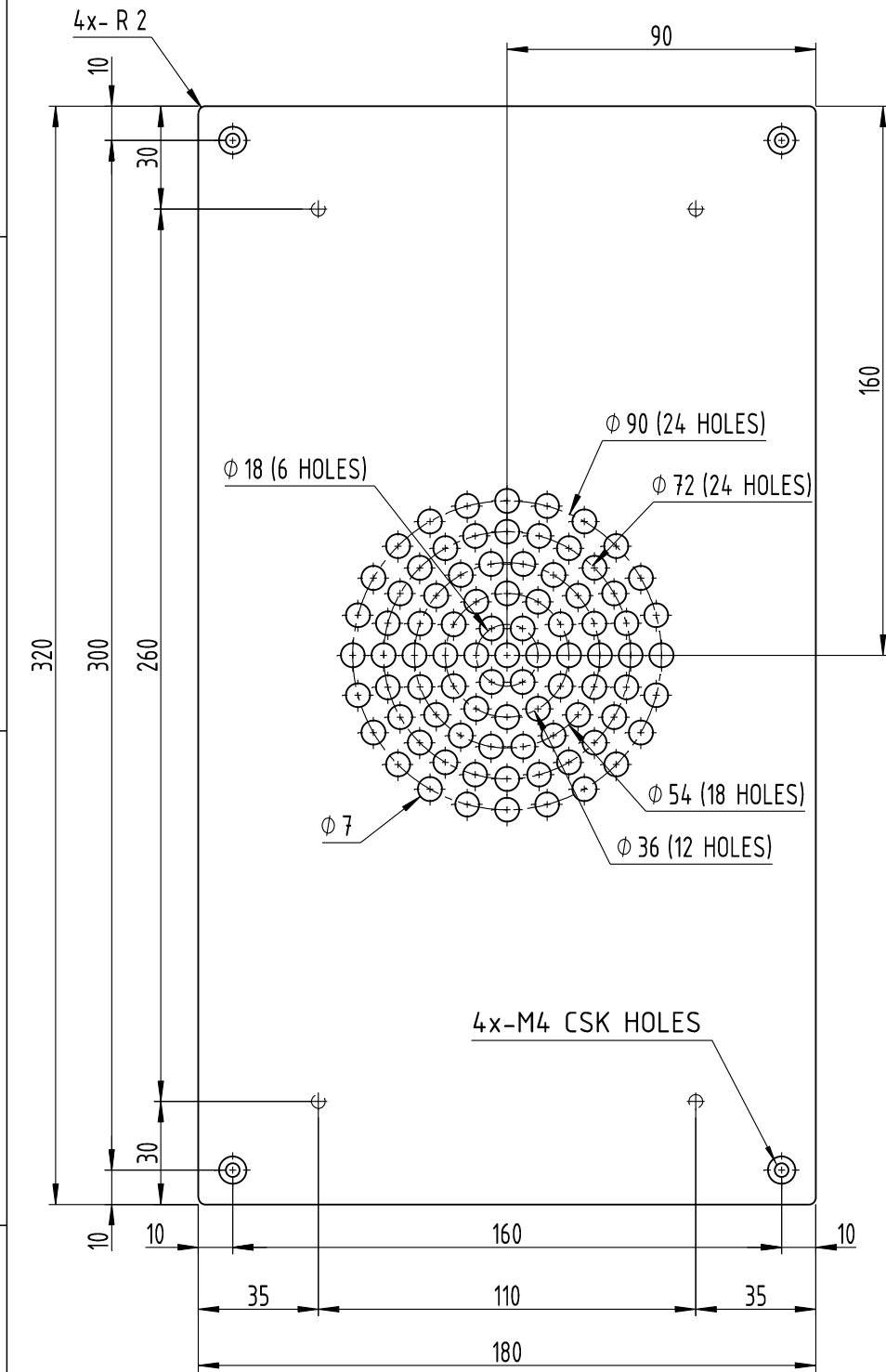
UNCONTROLLED

- NOTE:
1. ALL DIMENSIONS ARE IN mm.
 2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
 3. THE OUTER EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480. NO.6 FINISH.
 4. WELDING SYMBOLS ACCORDING TO ISO:2553.
 5. THE WELDS SHALL BE GROUND FINISHED.
 6. REMOVE SHARP EDGES AND BURRS.
 7. SAMPLE APPROVAL SHALL BE OBTAINED 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	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH				
						HEAT TREAT.	APPD			16.07.2019	
						SURFACE TREAT.	REVD			16.07.2019	
						TITLE	CHKD			16.07.2019	
						FIRST AID KIT HOLDER	DRWN			16.07.2019	
							SCALE		SHEET	Wt.	
							1:1		1 OF 1	0.821 kg	
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	DRG No.				ALT	
						 BEM LIMITED					
						525-18225					

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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	
ROUGHNESS													






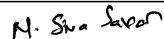








MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 – 6	6 – 30	30 – 120	120 – 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR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

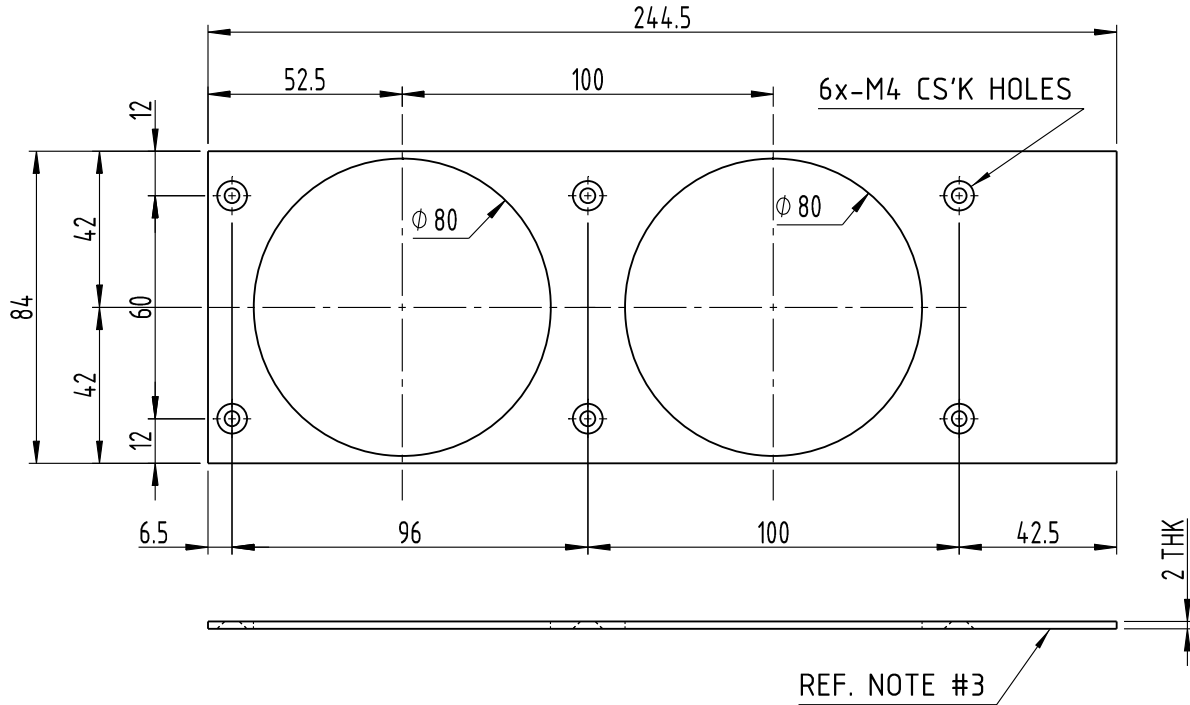
UNCONTROLLED

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480. NO.6 FINISH.
4. WELDING SYMBOLS ACCORDING TO ISO:2553
5. REMOVE SHARP EDGES AND BURRS.
6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

2	4	-	STUD BOLT				M4x20		Gr A2-70, SS	
1	1	-	PLATE				320x180x2t		SUS304/AISI304	
SL.No.	QTY	PART / STOCK No.		DESCRIPTION				SIZE	COMPANY STD./I.S	Wt. (Kg)
										MATERIAL
						PRODUCT	MUMBAI METRO CARS - L2 & L7			
						REF DRG				
						MATERIAL	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH			
						HEAT TREAT.		APPD		15.05.2020
						SURFACE TREAT.		REVD		15.05.2020
						TITLE			CHKD	
						CLS SPEAKER PLATE	DRWN		15.05.2020	
							SCALE		SHEET	Wt.
							NTS		1 OF 1	0.864 kg
							DRG No.			ALT
ALT.NO.	ECN NO/CHANGES		DATE	BY	CHKD	APPD	 BEM BEML LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>		525-18230	
										

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/5025.
3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480. NO.6 FINISH.
4. REMOVE SHARP EDGES AND BURRS.
5. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

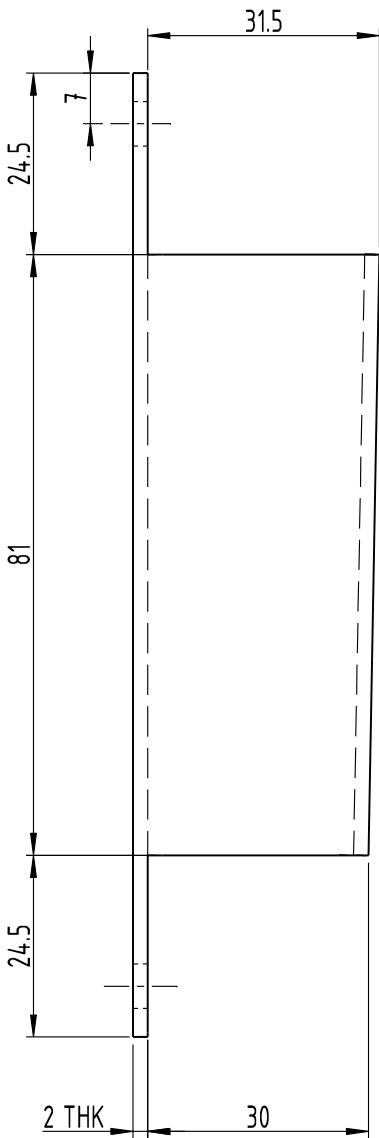
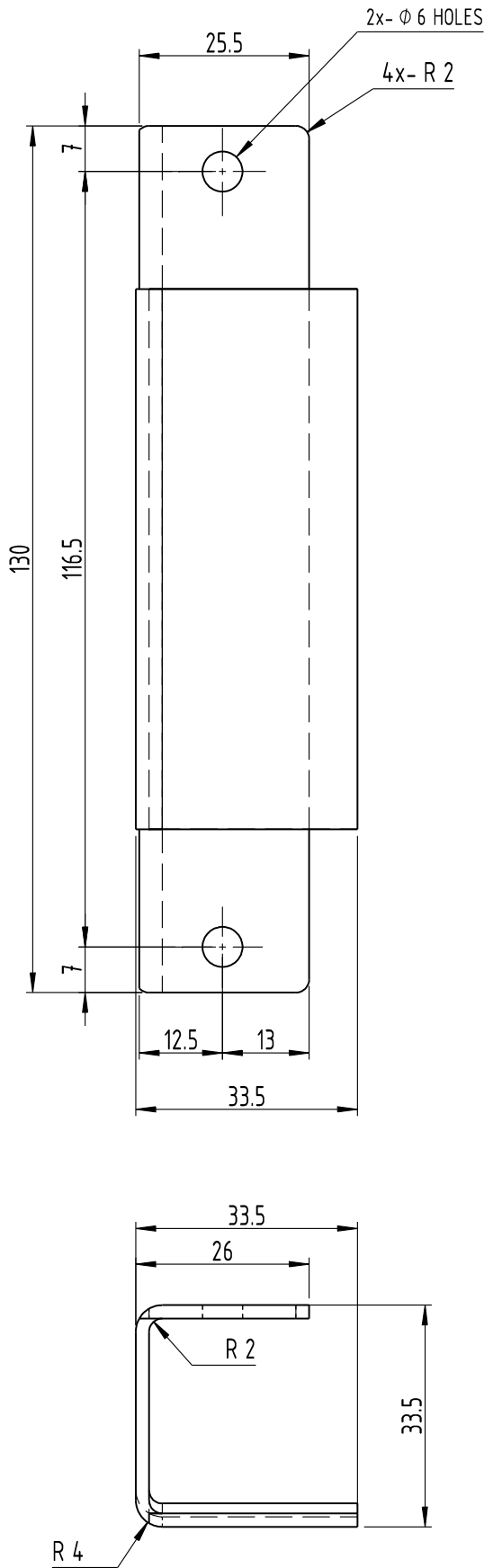
UNCONTROLLED

GRADE No.	VALUE	SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	244.5x84x2THK	COMPANY STD./I.S	Wt. (Kg)
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	PRODUCT	MUMBAI METRO CARS - L2 & L7	MATERIAL	
							REF DRG			
							MATERIAL	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH		
							HEAT TREAT.	APPD	15.05.2020	
							SURFACE TREAT.	REVD	15.05.2020	
							TITLE	CHKD	15.05.2020	
								DRWN	15.05.2020	
								SCALE	1:1.5	
								SHEET	1 OF 1	
								Wt.	0.163 kg	
								DRG No.	525-18263	
								ALT		

BEML LIMITED
NEW FRONTIERS. NEW DREAMS

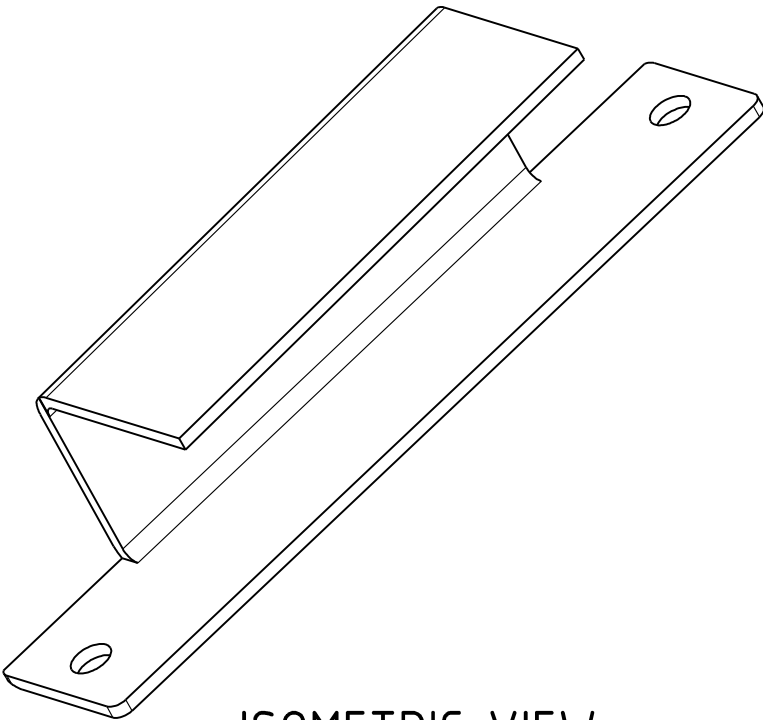
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GRADE No.	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
VALUE	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50
SYMBOL												
SURFACE ROUGHNESS												





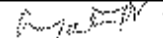


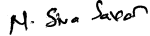





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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 – 6	6 – 30	30 – 120	120 – 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER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



ISOMETRIC VIEW

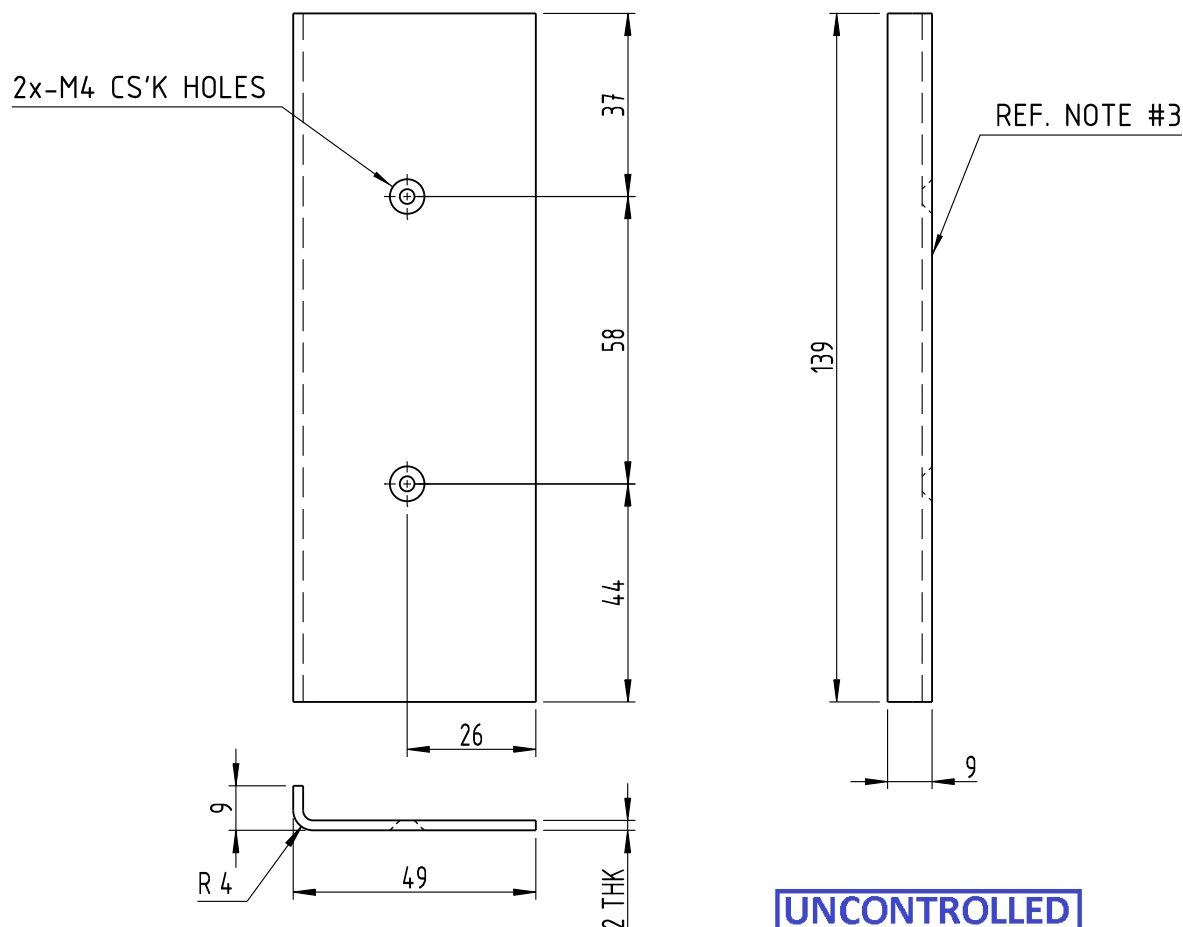
- NOTE:
1. ALL DIMENSIONS ARE IN mm.
 2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
 3. REMOVE SHARP EDGES AND BURRS.
 4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

SL.No.	QTY	PART / STOCK No.				DESCRIPTION		SIZE	COMPANY STD./I.S	Wt. (Kg)		
									MATERIAL			
						PRODUCT	MUMBAI METRO CARS - L2 & L7					
						REF DRG						
						MATERIAL	SUS304/AISI304-2B FINISHED					
						HEAT TREAT.		APPD		02.05.2020		
						SURFACE TREAT.		REVD		02.05.2020		
						TITLE	HINGE MIDDLE BRACKET		CHKD		02.05.2020	
								DRWN		02.05.2020		
								SCALE			SHEET	Wt.
								1:1			1 OF 1	0.127 kg
								DRG No.			ALT	
								525-18265				
ALT.NO.	ECN NO/CHANGES				DATE	BY	CHKD	APPD	BEML LIMITED NEW FRONTIER - NEW GURGAON			








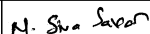






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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER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



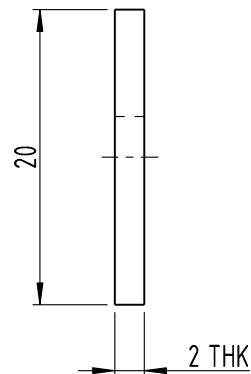
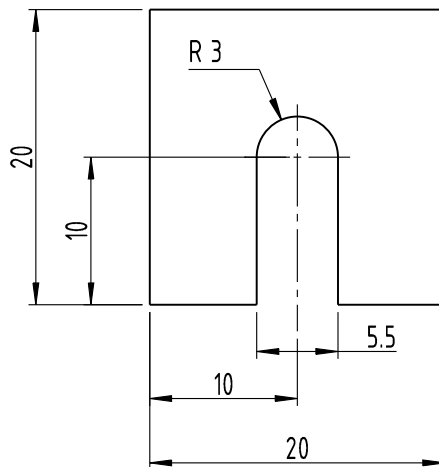
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480. NO.6 FINISH.
4. REMOVE SHARP EDGES AND BURRS.
5. SAMPLE APPROVAL SHALL BE OBTAINED 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	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH					
						HEAT TREAT. SURFACE TREAT.	APPD		02.05.2020			
							REVD		02.05.2020			
						TITLE	CHKD		02.05.2020			
						COVER PLATE, HINGE	DRWN		02.05.2020			
							SCALE			SHEET	Wt.	
							1:1.5		1 OF 1	0.145 kg		
							DRG No.			ALT		
ALT.NO.	ECN NO/CHANGES		DATE	BY	CHKD	APPD	 BEML LIMITED		525-18266			
												

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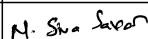
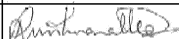




MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 – 6	6 – 30	30 – 120	120 – 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR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



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NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
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			
N7	1.6	▽	△			PRODUCT	MUMBAI METRO CARS - L2 & L7				
N8	3.2	▽				REF DRG					
N9	6.3	▽				MATERIAL	SUS304/AISI304 2B FINISH				
N10	12.5	▽	△			HEAT TREAT.	APPD			28.04.2020	
N11	25	▽				SURFACE TREAT.	REVD			28.04.2020	
N12	50	▽				TITLE	CHKD			28.04.2020	
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	LINER 2T	DRWN		28.04.2020	
								SCALE		SHEET	Wt.
								1:0.5		1 OF 1	0.0063kg
							DRG No.	525-18296		ALT	
 BEML LIMITED <small>NEW FRONTIERS. NEW DREAMS</small>											



BEML LIMITED

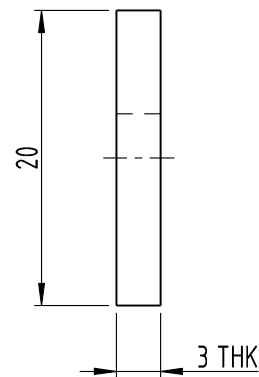
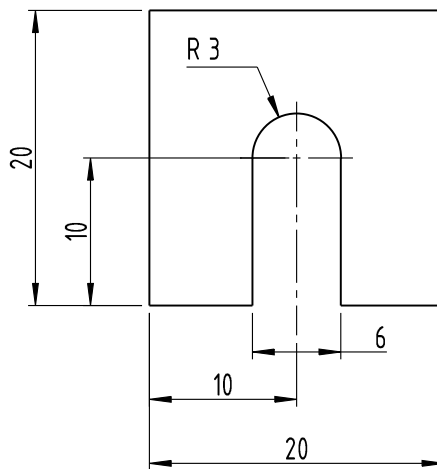
DRG No.

525-18296



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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										





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NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
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		
N7	1.6	✓						
N8	3.2	✓						
N9	6.3	✓						
N10	12.5	✓						
N11	25	✓						
N12	50	✓						
ALT.No.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	ALT		
SURFACE ROUGHNESS								

PRODUCT	MUMBAI METRO CARS - L2 & L7											
REF DRG												
MATERIAL	SUS304/AISI304 2B FINISH											
HEAT TREAT.					APPD	28.04.2020						
SURFACE TREAT.					REVD	28.04.2020						
TITLE	LINER 3T				CHKD	28.04.2020						
					DRWN	28.04.2020						
					SCALE	1:0.5	SHEET	Wt.				
							1 OF 1	0.0094kg				
 BEML LIMITED NEW FRONTIERS. NEW DREAMS					DRG No.			ALT				
					525-18297							

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)

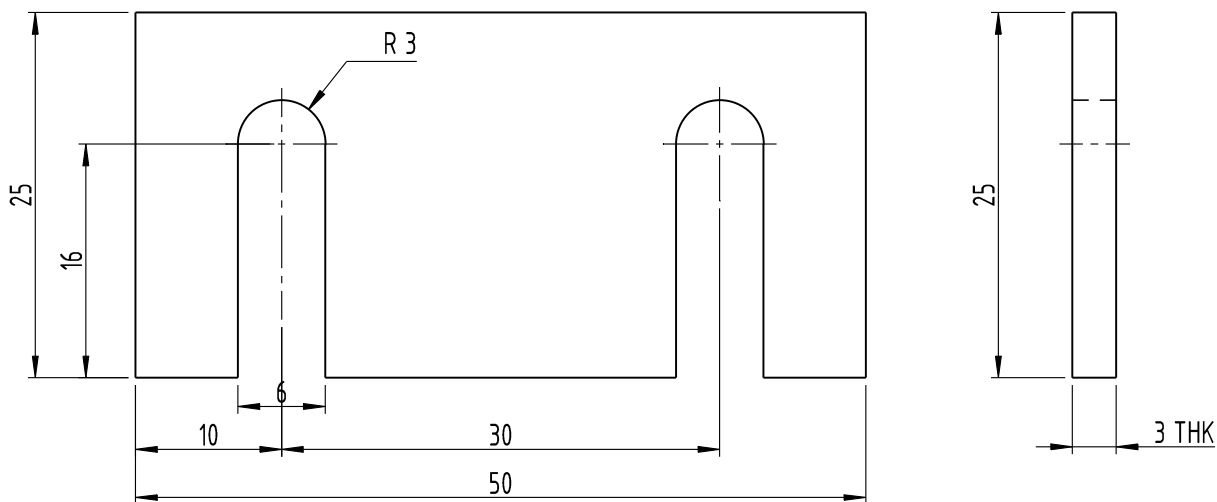
QUALITY OF WELD JOINTS REF, RD 230 MEDIUM

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



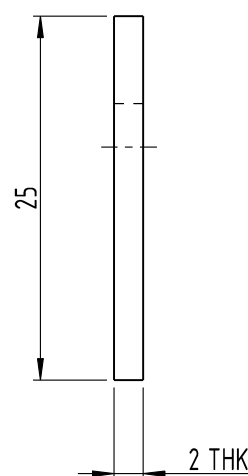
UNCONTROLLED

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

[illegible]

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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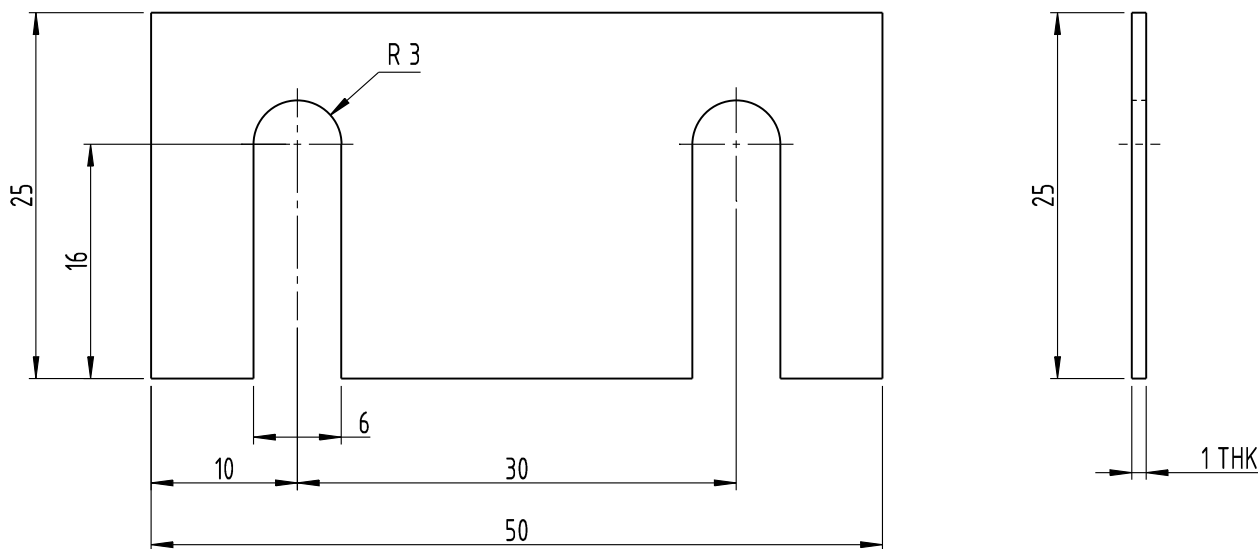
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

[illegible]

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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										



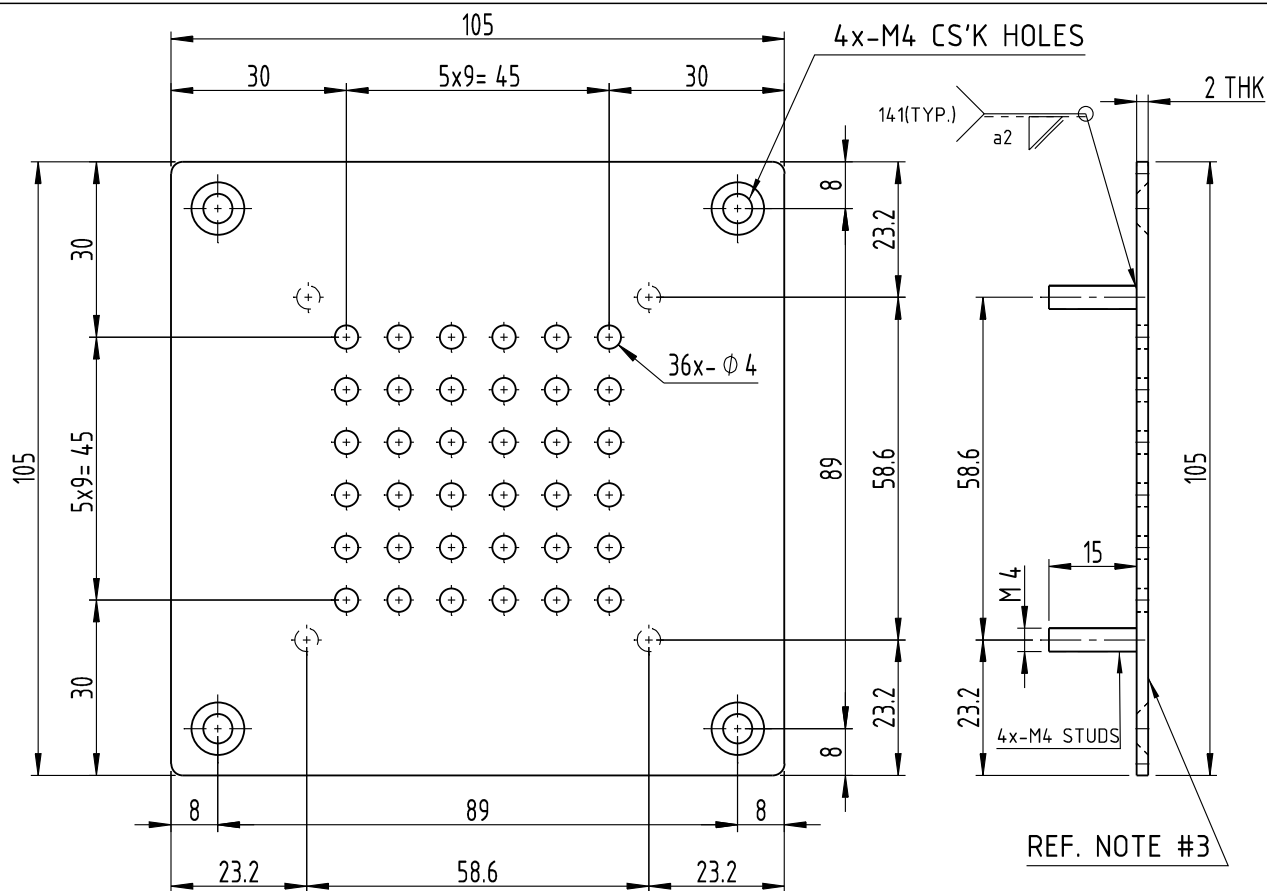
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NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.






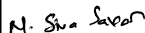





N7	1.6	✓	▽	SL.No.	QTY	PART / STOCK No.					DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)	
													MATERIAL		
N8	3.2	✓	▽	△							PRODUCT	MUMBAI METRO CARS - L2 & L7			
N9	6.3	✓	▽								REF DRG				
N10	12.5	✓	▽	△							MATERIAL	SUS304/AISI304 2B FINISH			
N11	25	✓	▽	△							HEAT TREAT.	APPD	<i>[Signature]</i>	27.04.2020	
											SURFACE TREAT.	REVD	<i>[Signature]</i>	27.04.2020	
N12	50	✓	▽	△							TITLE	CHKD	<i>M. Siva Sivar</i>	27.04.2020	
											LINER SIDE FIXING	DRWN	<i>[Signature]</i>	27.04.2020	
GRADE No.	VALUE	SYMBOL	△									SCALE		SHEET	Wt.
												1:0.5		1 OF 1	0.01 kg
SURFACE ROUGHNESS				ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	BEML LIMITED		DRG No.		525-18300	
														ALT	

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		



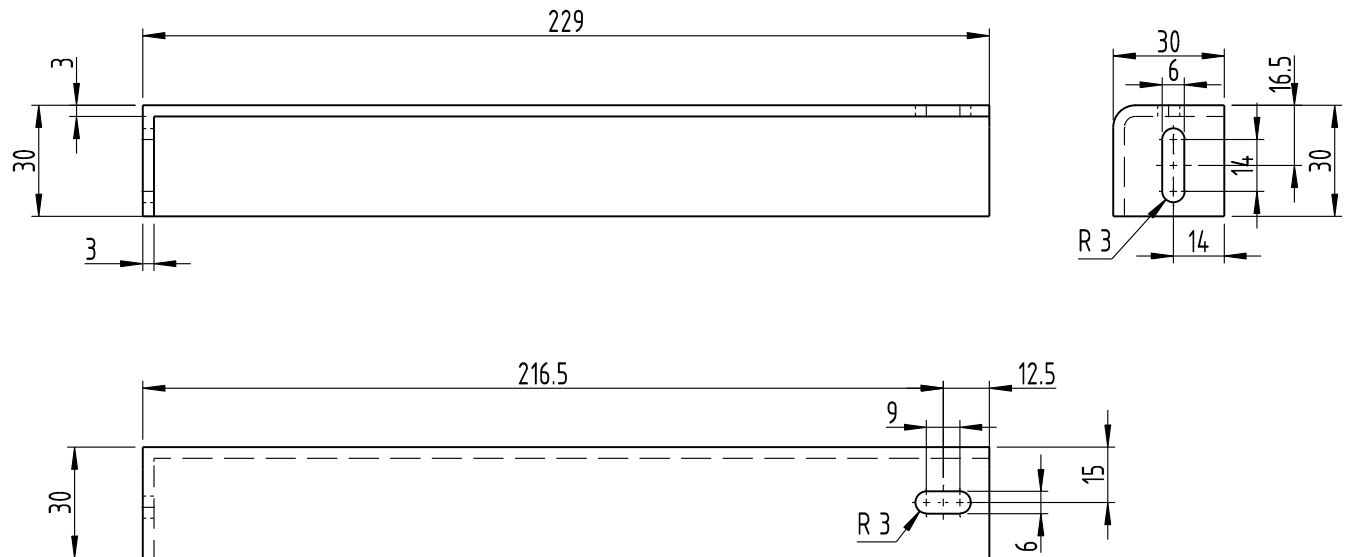
1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. THE EXPOSED SURFACE SHALL BE BRUSH FINISHED TO ASTM A480, NO.6 FINISH.
4. WELDING SYMBOLS ACCORDING TO ISO:2553
5. REMOVE SHARP EDGES AND BURRS.
6. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

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									105X105X2THK			
SL.No.	QTY	PART / STOCK No.				DESCRIPTION		SIZE	COMPANY STD./I.S		Wt. (Kg)	
											MATERIAL	
						PRODUCT	MUMBAI METRO CARS - L2 & L7					
						REF DRG						
						MATERIAL	SUS304/AISI304-BRUSH FINISH AS PER ASTM A480 NO.6 FINISH					
						HEAT TREAT.		APPD		16.05.2020		
						SURFACE TREAT.		REVD		16.05.2020		
						TITLE	PLATE, BUZZER SPEAKER		CHKD		16.05.2020	
						DRWN				16.05.2020		
						SCALE				SHEET	Wt.	
						1:1				1 OF 1	0.17 kg	
ALT.NO.	ECN NO/CHANGES				DATE	BY	CHKD	APPD	DRG No.		ALT	
									525-18313			
									BEM L 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										



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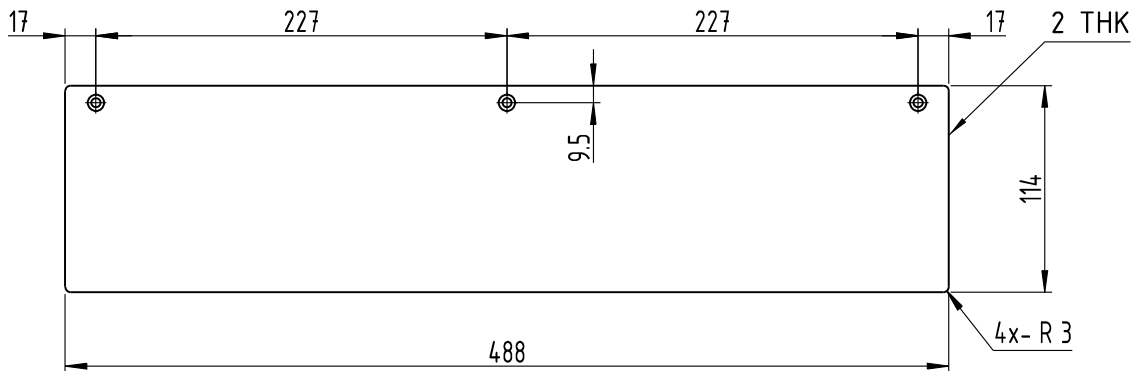
NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE SHARP EDGES AND BURRS.
4. SAMPLE APPROVAL SHALL BE OBTAINED BEFORE BULK PRODUCTION.

N7	N8	N9	N10	N11	N12	GRADE No. VALUE	SYMBOL	SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I/S		Wt. (Kg)	
													MATERIAL			
1.6	3.2	6.3	12.5	25	50						PRODUCT	MUMBAI METRO CARS - L2 & L7				
											REF DRG					
											MATERIAL	SUS304/AISI304-2B FINISH				
											HEAT TREAT.	APPD	[Signature]		27.04.2020	
											SURFACE TREAT.	REVD	[Signature]		27.04.2020	
											TITLE	CHKD	[Signature]		27.04.2020	
											SUPPORT BRACKET	DRWN	[Signature]		27.04.2020	
												SCALE	[Symbol]	SHEET	Wt.	
												NTS	[Symbol]	1 OF 1	0.25kg	
SURFACE ROUGHNESS												DRG No.		525-18344		ALT
ALT.No. ECN NO/CHANGES DATE BY CHKD APPD												[Logo] BEML LIMITED		[Symbol]		

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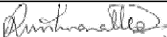
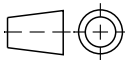


MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR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

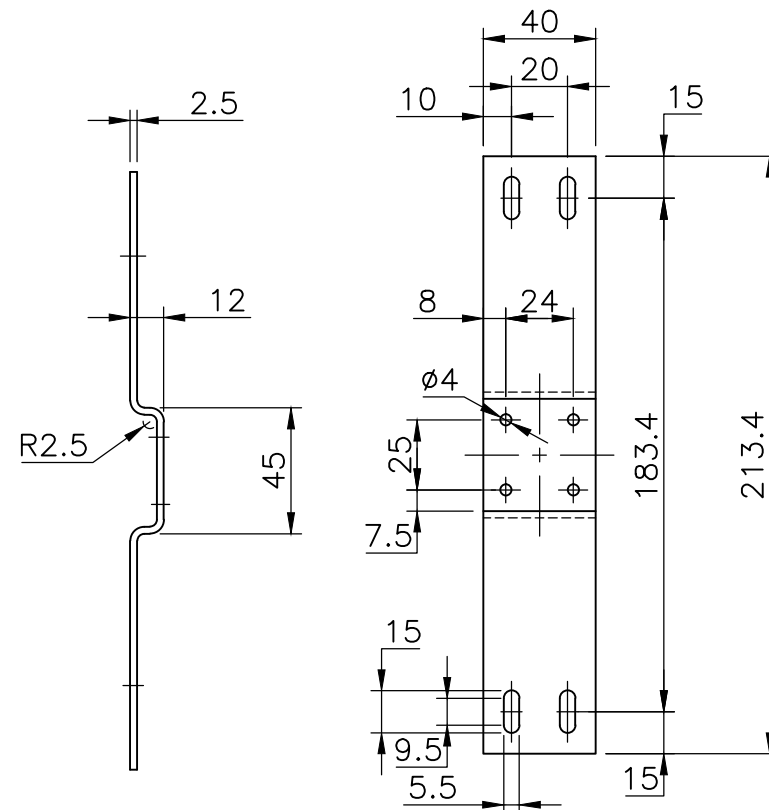


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NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. THE ITEM SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
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									
N7	1.6	✓	△			PRODUCT	MUMBAI METRO CARS - L2 & L7										
N8	3.2	✓					△			REF DRG							
N9	6.3	✓									△			MATERIAL	SUS304/AISI304-2B FINISH		
N10	12.5	✓	△			HEAT TREAT.									APPD		02.05.2020
N11	25	✓					△			SURFACE TREAT.							
N12	50	✓									△			TITLE			
SURFACE ROUGHNESS	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD									COVER PLATE	DRWN	
							SCALE		SHEET	Wt.							
											NTS	1 OF 1	0.87 kg				
BEML LIMITED							DRG No.	525-18346		ALT							
																	

[illegible]

Technical drawing of a mechanical part, showing front and top views.

Front View (Top):

- Overall width: 45
- Top flat section width: 25
- Top flat section height: 10
- Radius of the semi-circular bottom: R83
- Radius of the top fillet: R1
- Overall height: 85
- Offset from centerline to the start of the semi-circle: 1

Top View (Bottom):

- Overall width: 58
- Overall height: 40
- Distance between the two rows of holes: 25
- Distance from the top edge to the first row of holes: 24
- Distance from the bottom edge to the first row of holes: 10
- Hole diameter: $\varnothing 4$

The drawing consists of two parts: a main cross-section and a detail view.

SECTION A-A: This is a cross-sectional view of a circular manhole. The main body is a circle with a diameter of $\phi 166$. A vertical centerline is shown. At the top, there is a horizontal pipe connection. The distance from the centerline to the center of the pipe is 45. The pipe has a radius of $R2.5$. The pipe wall thickness is 12, and the distance from the pipe center to the manhole wall is 2.5. The manhole wall thickness is 10. The top of the manhole is labeled with a circled '1'. The bottom of the manhole is labeled with a circled '2'. The manhole is supported by a base, labeled with a circled '3'. The base has a radius of $R83$ and a thickness of 175. The base is labeled with a circled '4'. The manhole is labeled with a circled '5'. The base is labeled with a circled '6'. The base has a diameter of $\phi 166$. The base is labeled with a circled '41(TYP)'.

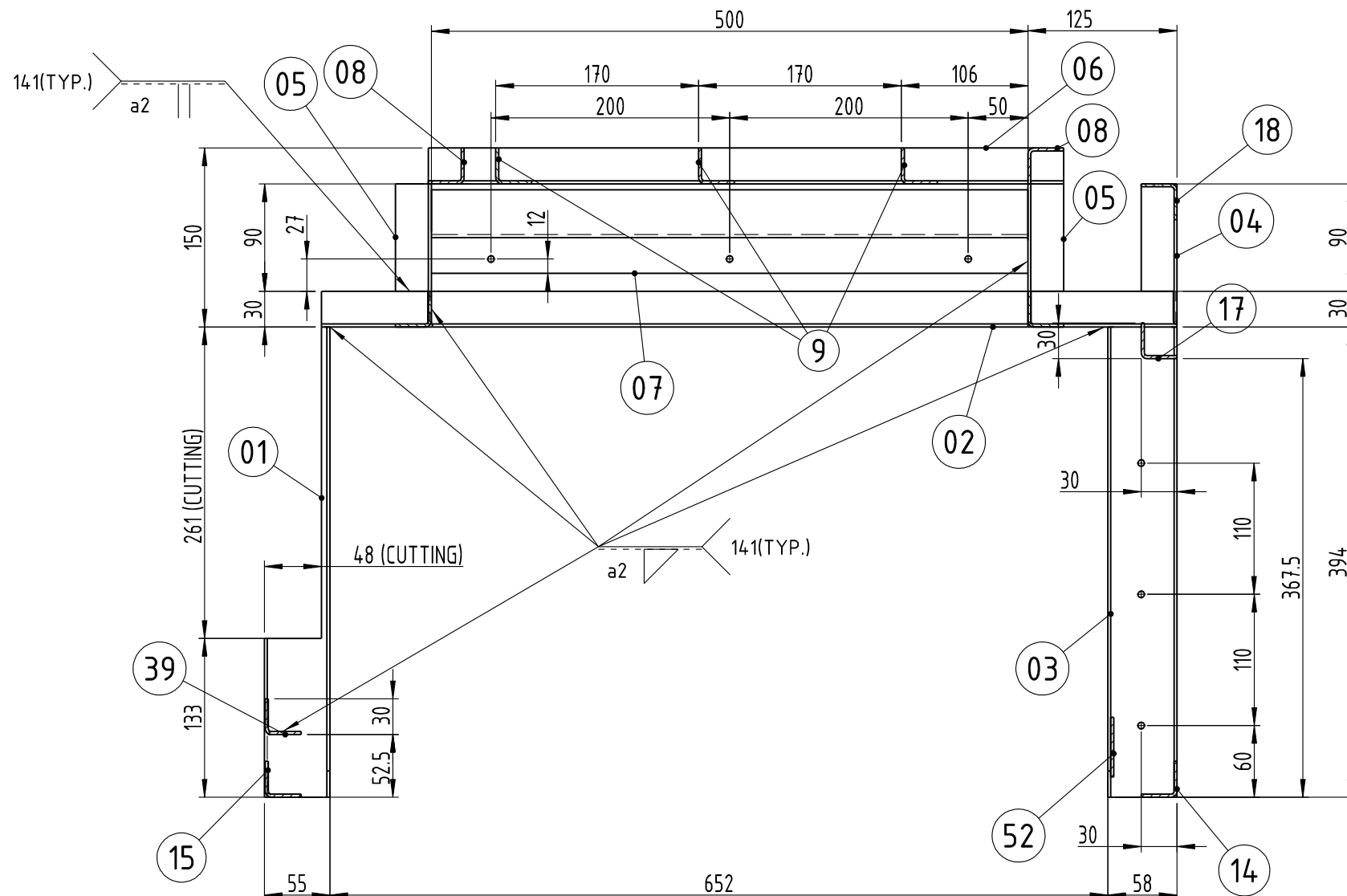
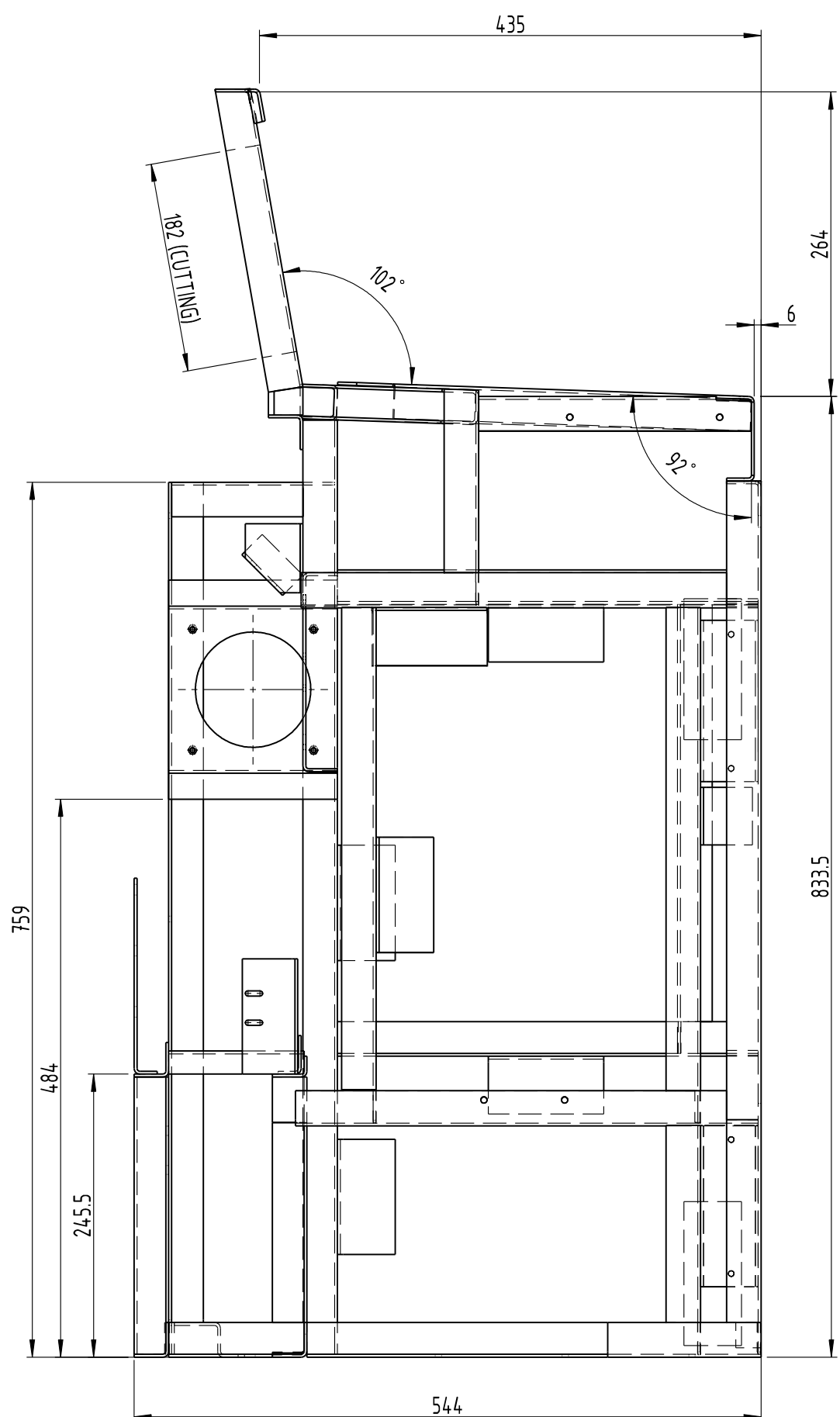
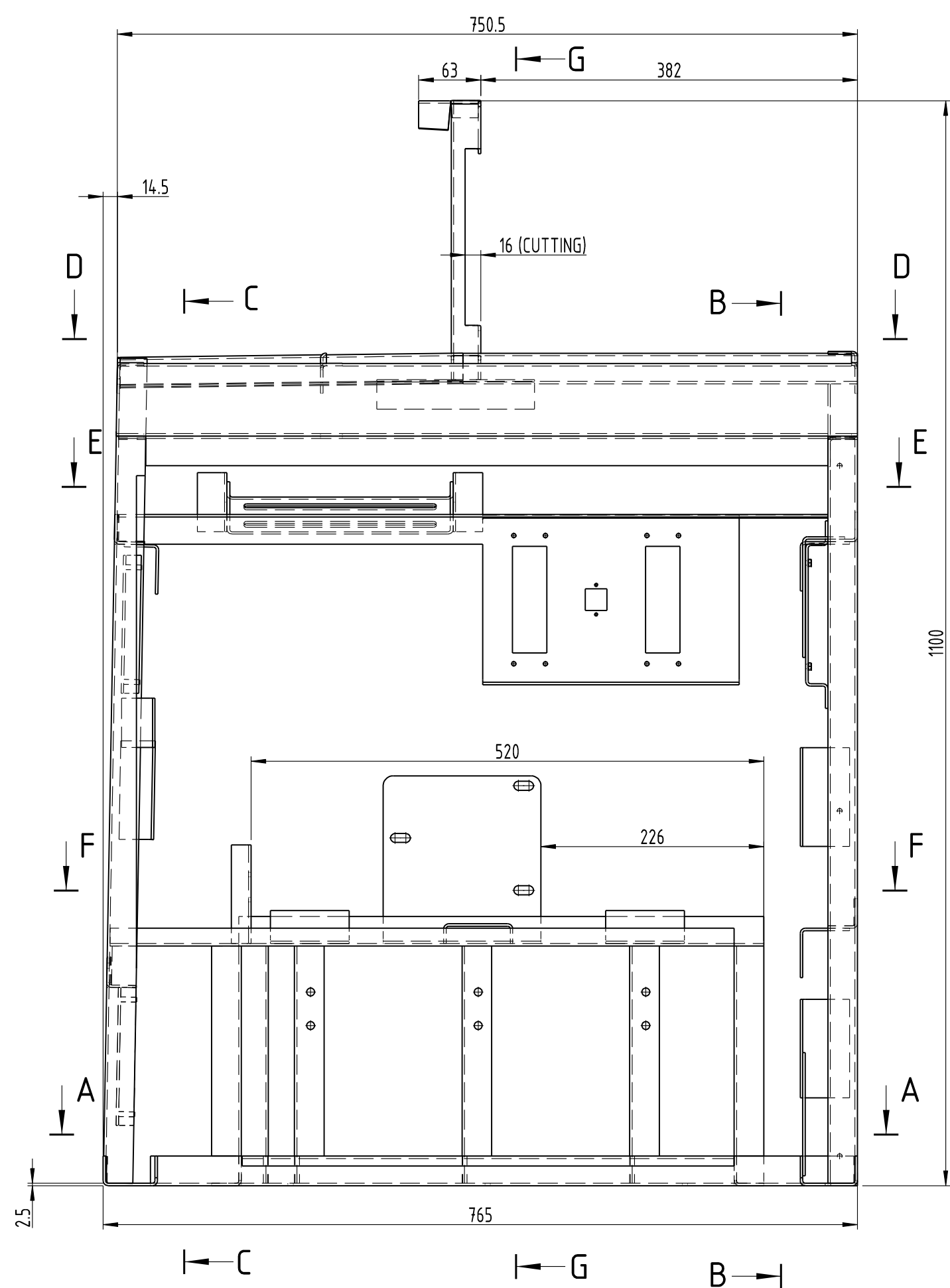
DETAIL-4: This is a detail view of the base of the manhole. It shows a curved section with a radius of $R83$ and a thickness of 175. The detail is labeled with a circled '41(TYP)'.

NOTE:

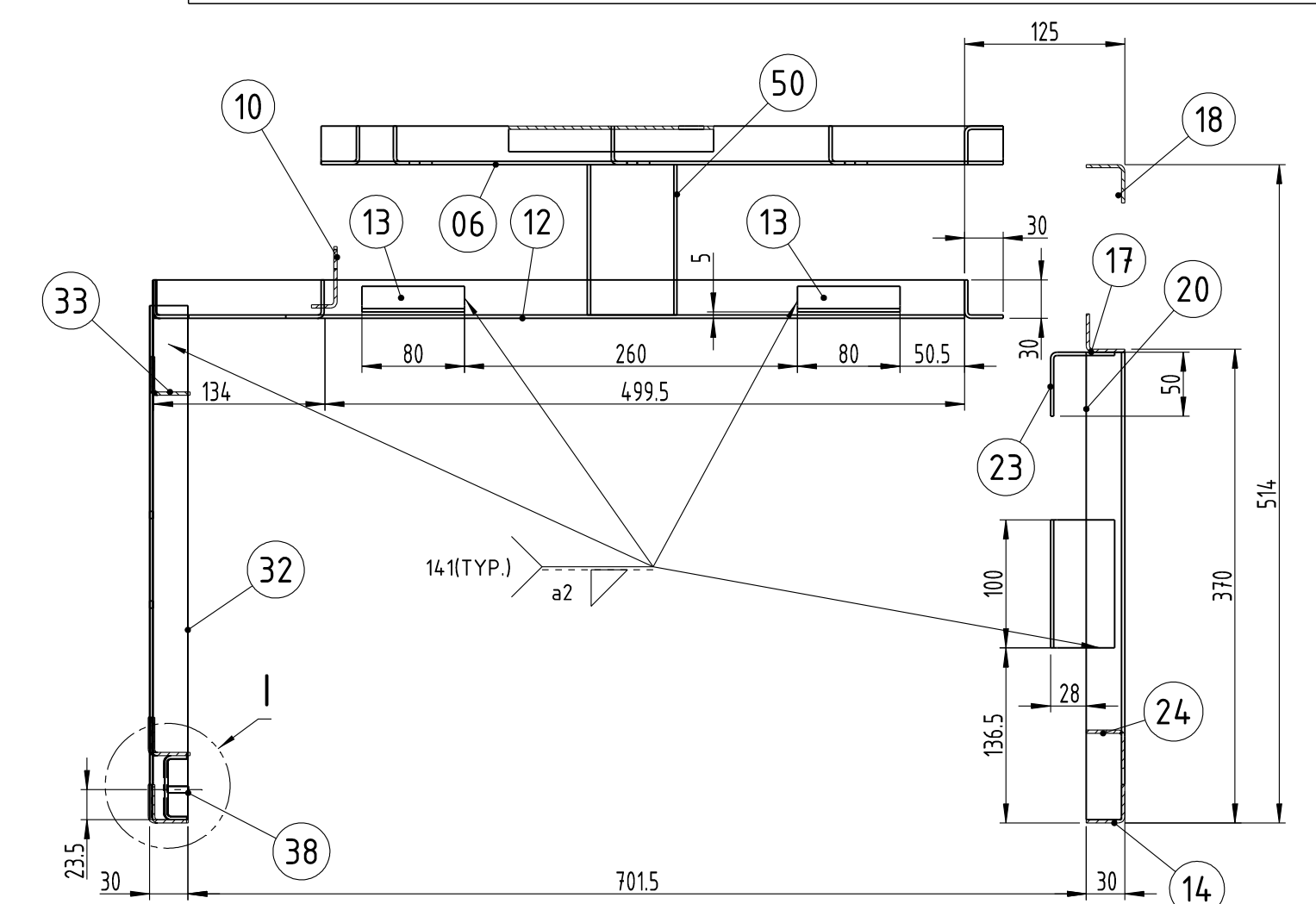
1. ALL DIMENSIONS ARE IN mm.
2. THE ASSY SHALL COMPLY TO TDC DOC NO. GR/TD/5025.
3. REMOVE ALL SHARP EDGES AND BURRS.
4. PLUG/SPOT WELD ITEM NO 5 & 6 WITH ITEM 2 & 4 SUITABLY.
5. WELD AREAS SHALL BE PICKLE& PASSIVATED.
6. RIVET ITEM 2 TO ITEM 1 USING ITEM 3.
7. THE BRACKET ASSY SHALL BE BRUSH FINISHED AS PER ASTM A480 TO NO. 6 FINISH.
8. THIS ITEM SHALL BE APPROVED BEFORE MASS PRODUCTION.

6	1	-	SS LATCH-COMMERCIAL	-	SUS304/AISI304	
5	2	-	SS HINGE-COMMERCIAL	40x40x1†	SUS304/AISI304	
4	2	-	BAND	115x40x1†	SUS304/AISI304	
3	4	-	RIVET	φ4x8L	DIN 7337,TYPE-A,SS	
2	1	-	BAND	280x40x1†	SUS304/AISI304	
1	1	-	BRACKET	2.5†	SUS304/AISI304	
SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./IS	Wt. (Kg)
					MATERIAL	
			MUMBAI METRO CARS L2 & L7			
			REF DRG			
			MATERIAL SUS304/AISI 304, BRUSH FINISHED AS PER ASTM A480 TO NO.6 FINISH			
			HEAT TREAT.			
			SURFACE TREAT.			
			TITLE			
			BRACKET, FIRE EXTINGUISHER-6KG (NON-UTO)			
			SCALE			
			NTS			
			DRG No.			
			APPD			
			REV D			
			CHKD			
			DRWN			
			SCALE			
			NTS			
			DRG No.			
			APPD			
			REV D			
			CHKD			
			DRWN			
			SCALE			
			NTS			
			DRG No.			
			APPD			
			REV D			
			CHKD			
			DRWN			
			SCALE			
			NTS			
			DRG No.			
			APPD			
			REV D			
			CHKD			
			DRWN			
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			DRG No.			
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			SCALE			
			NTS			
			DRG No.			
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			DRG No.			
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			CHKD			
			DRWN			
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			NTS			
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			CHKD			
			DRWN			
			SCALE			
			NTS			
			DRG No.</			

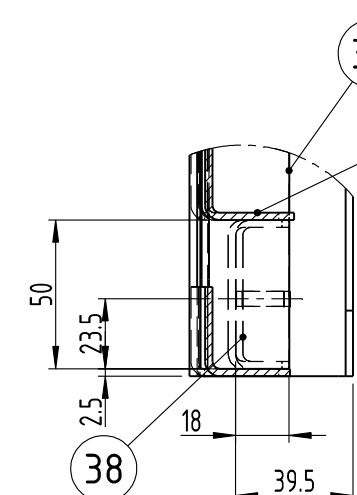
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VALUE		THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL												THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL
SYMBOL		THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL												THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL
SURFACE		N12	N11	N10	N9	N8	N7	N6	N5	N4	N3	N2	N1	THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL
ROUGHNESS		30	25	20	15	12	10	8	6	4	3	2	1	THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF BIRLA & COMPANY. CONFIDENTIAL



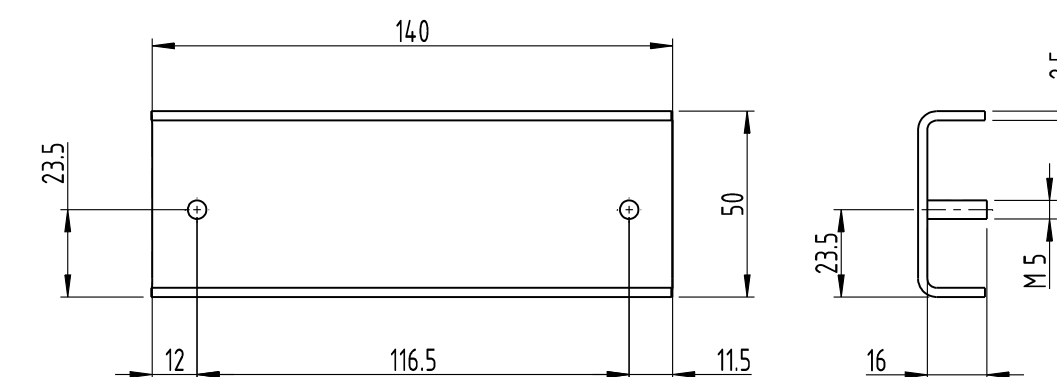
SECTION A-A



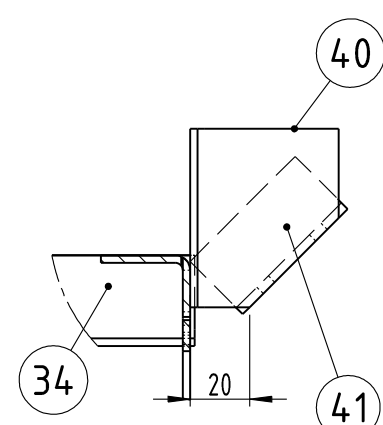
SECTION F-F



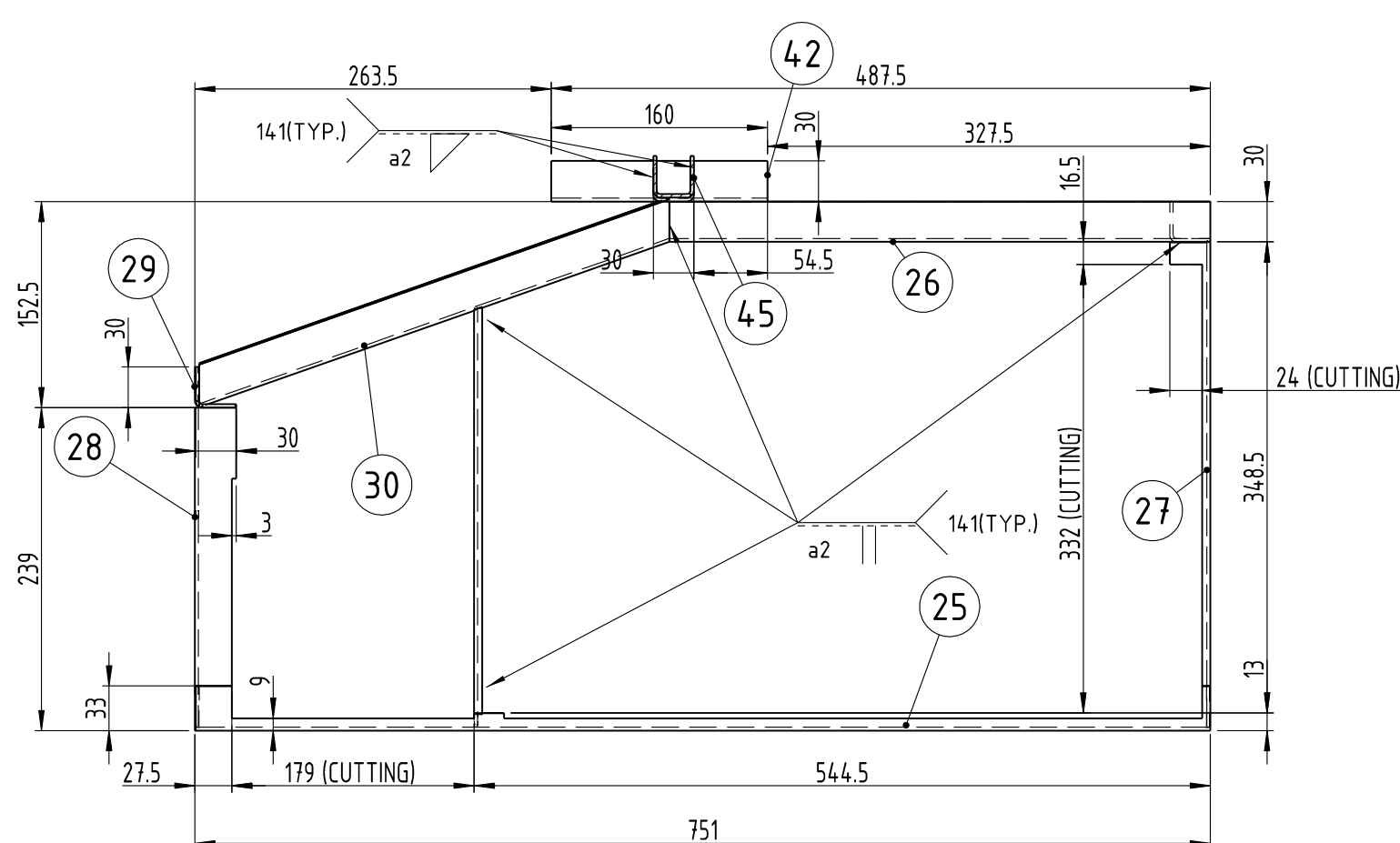
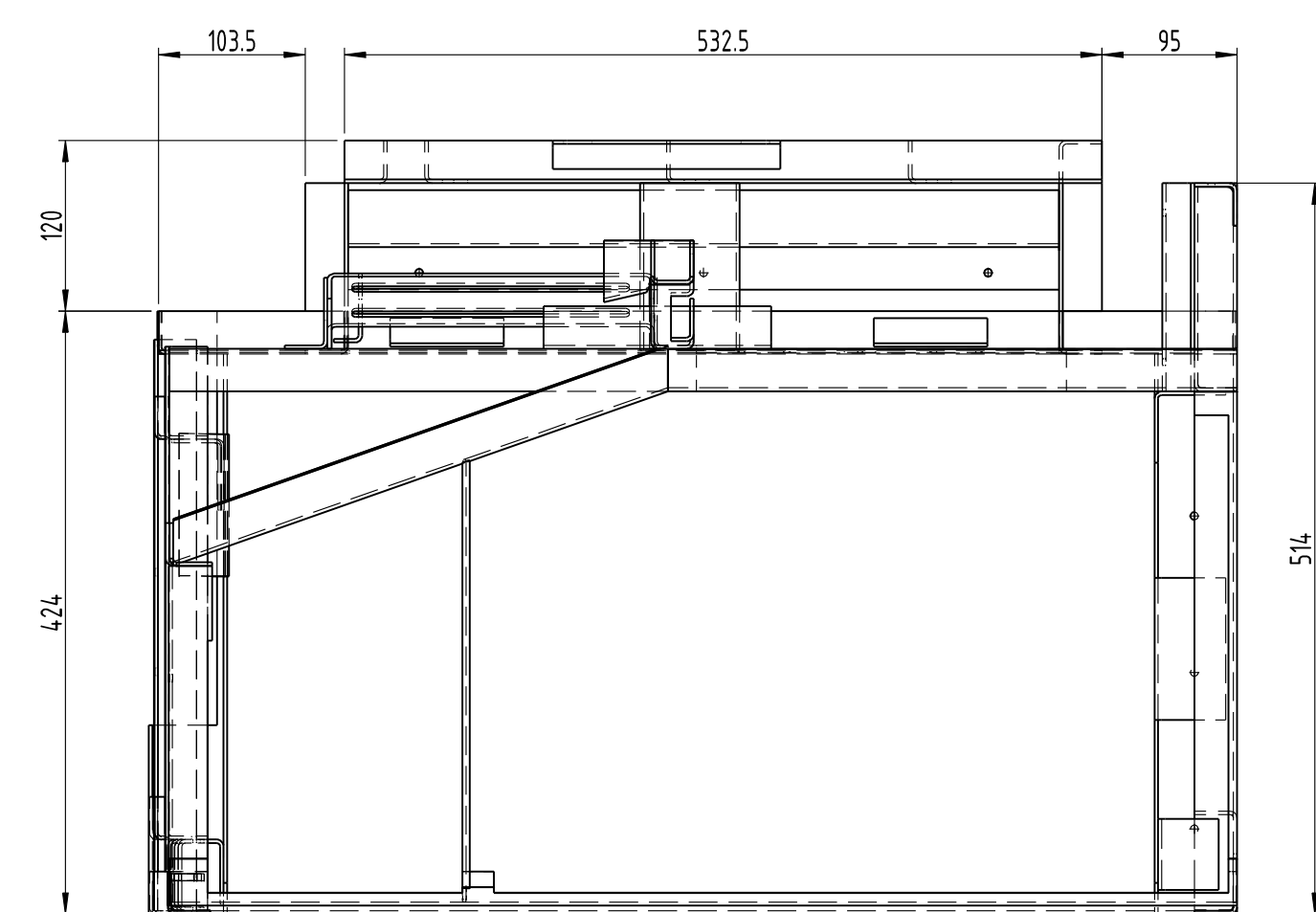
DETAIL- I



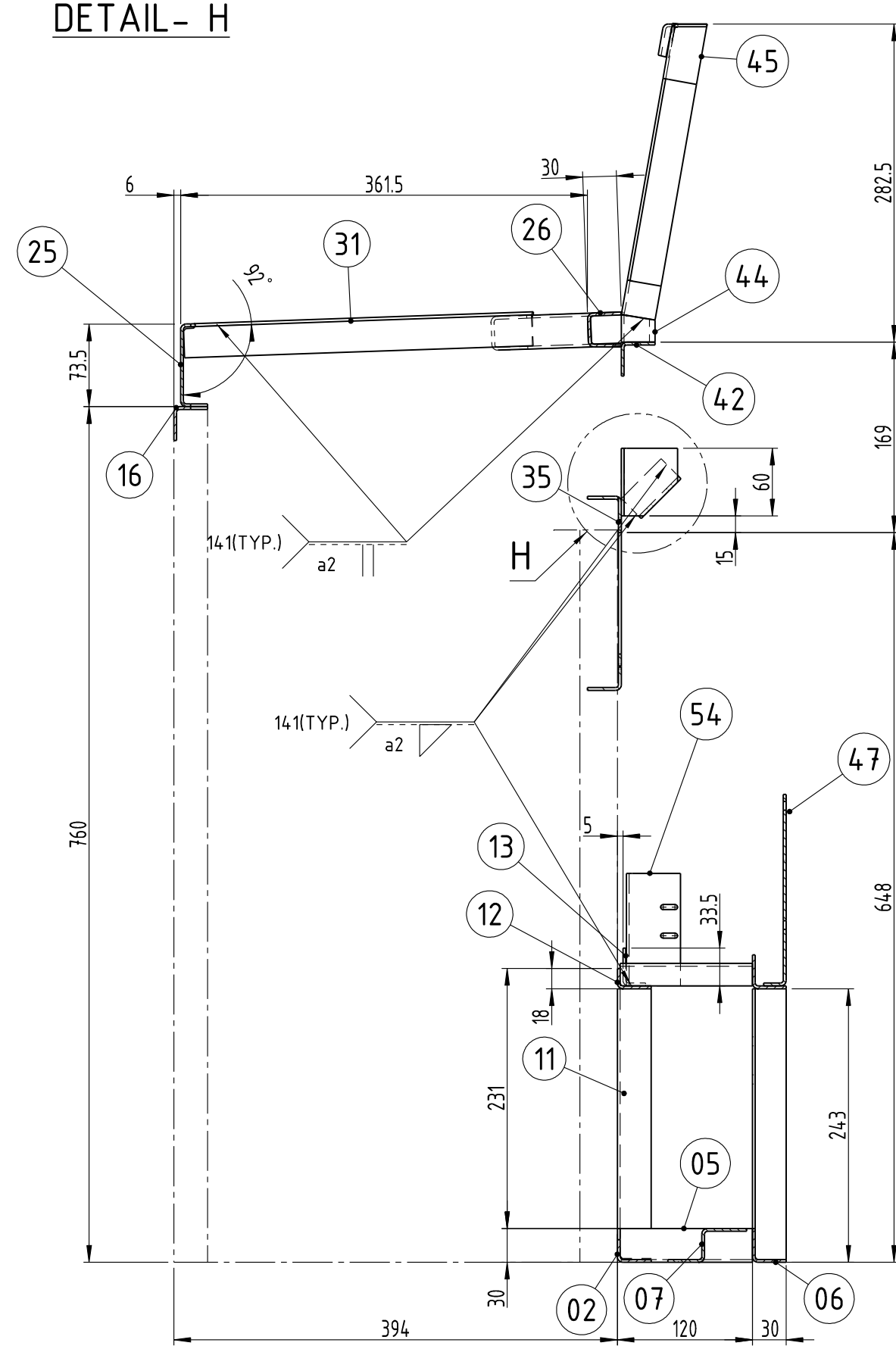
DETAIL-38



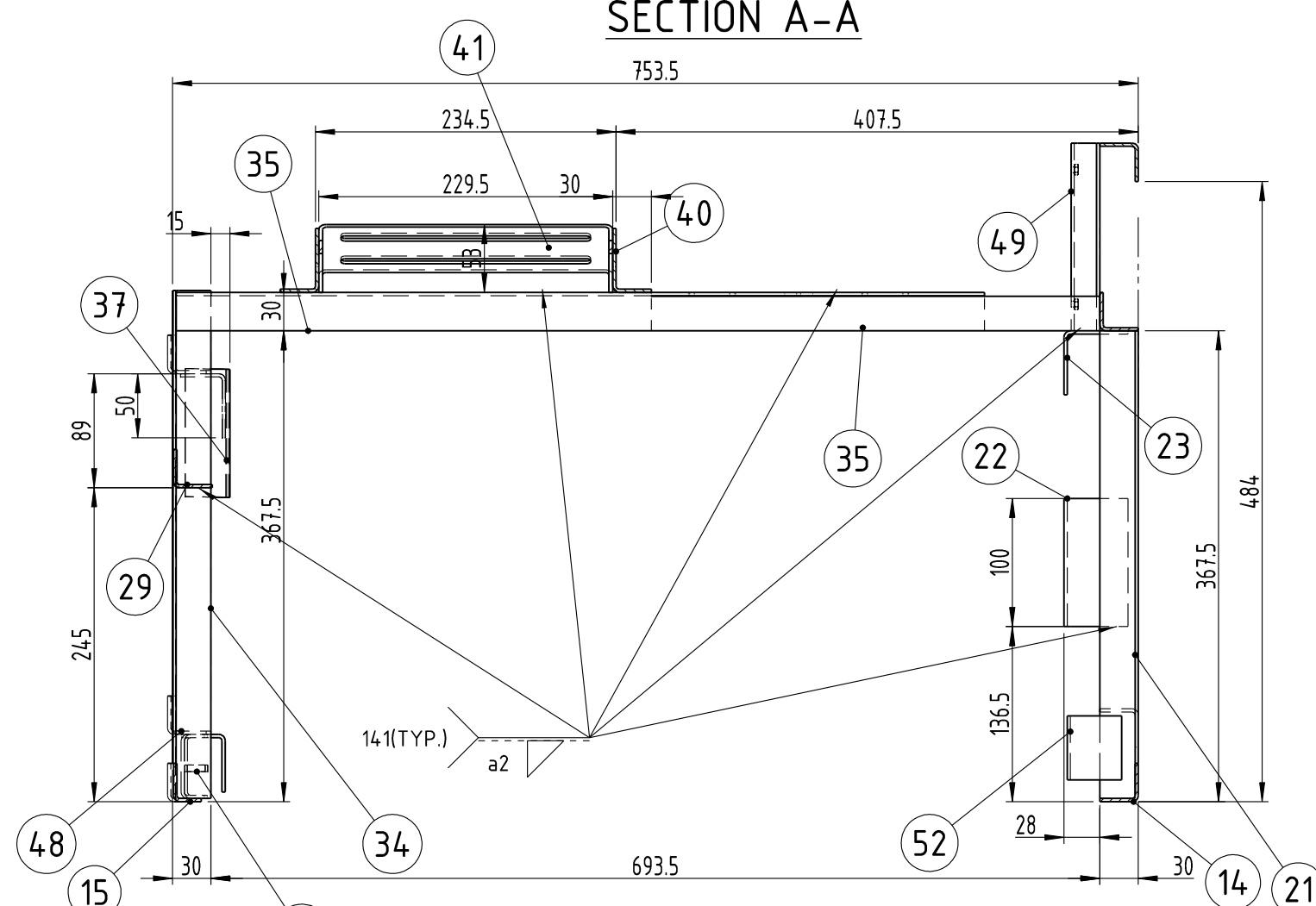
DETAIL- H



SECTION D-D

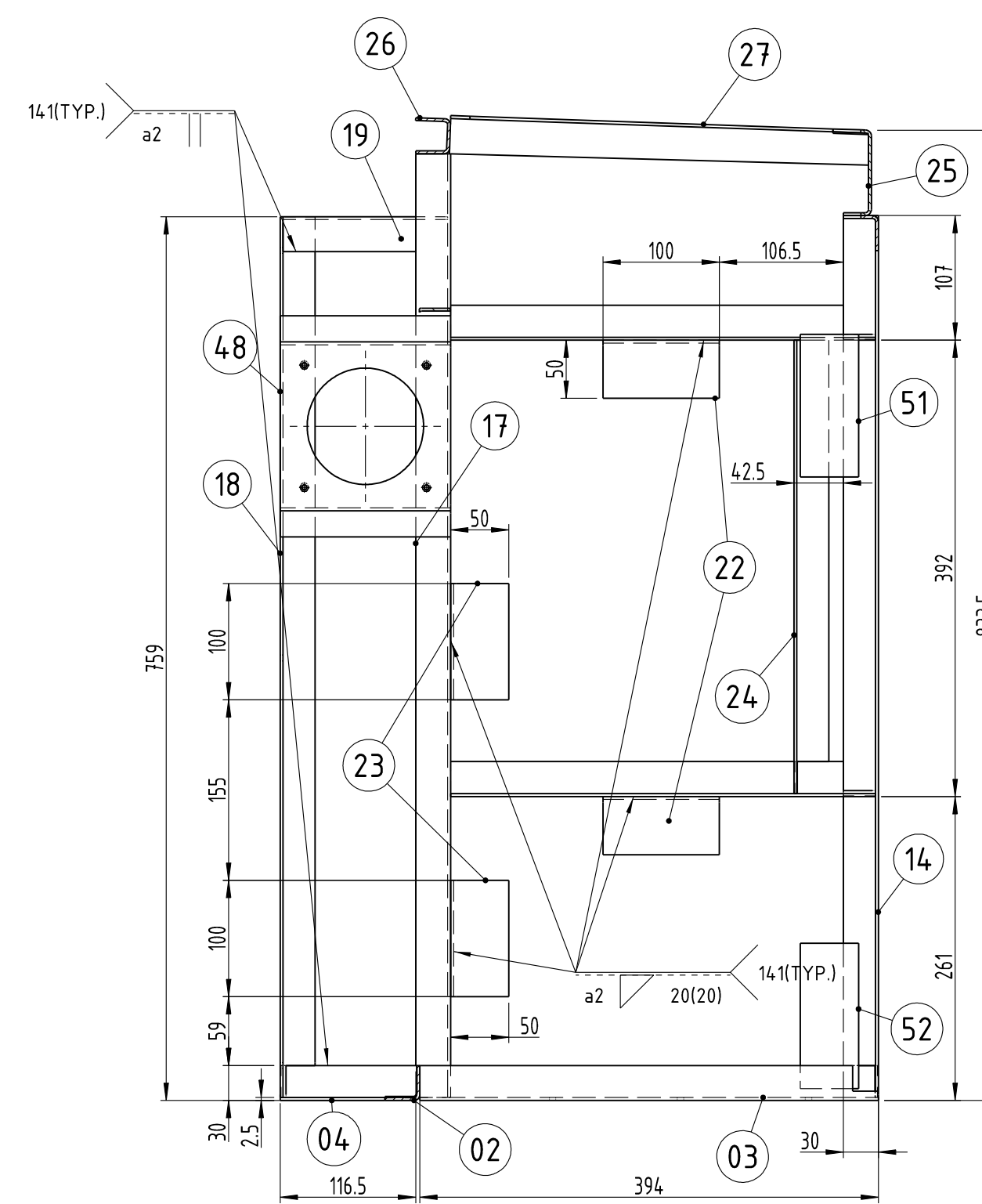


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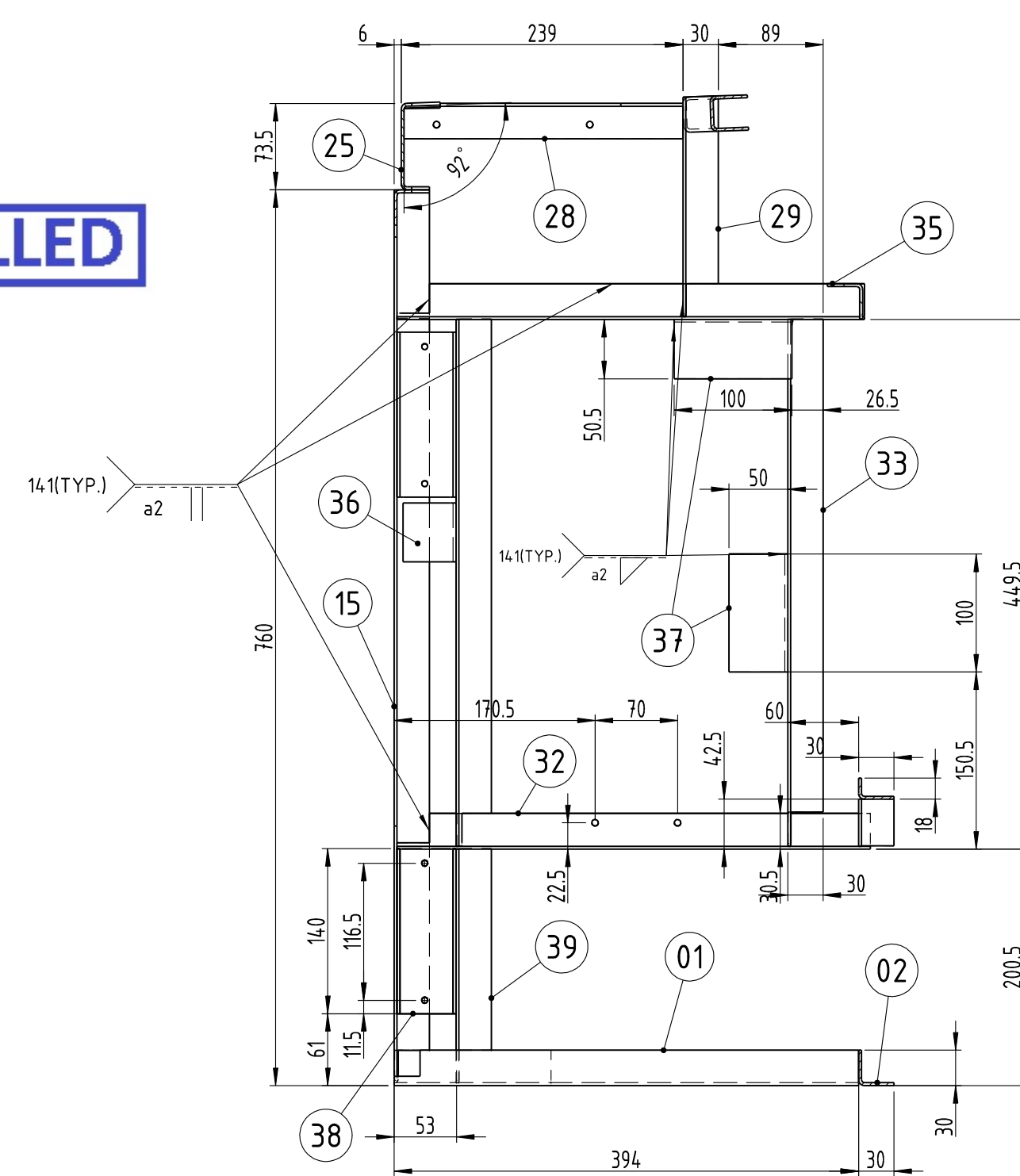


SECTION E-E





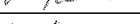





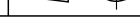


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SECTION B-B



SECTION C-C

SL No.	QTY	PART / STOCK No.		DESCRIPTION		SIZE	COMPANY STD./I/S		WT. (kg)
								MATERIAL	
				PRODUCT	MUMBAI METRO CARS - L2 & L7				
				REF. DRG					
				MATERIAL	SUS304/AISI304-2B FINISH				
				HEAT TREAT		APPD			10.07.2019
				SURFACE TREAT		REVD			10.07.2019
				TITLE		CHKD			10.07.2019
						DRWN			10.07.2019
					DRIVER DESK FRAME				
					ASSY				
					DRG No.				
						SCALE		SHEET	WT.
						1:5		1 OF 3	-
ALT.ND.	ECN NO./CHANGES	DATE	BY	CHKD	APPD	BEND BEML LIMITED			ALT
						525-18125			

DETAIL-12

DETAIL-13

DETAIL-14

DETAIL-29

DETAIL-30

DETAIL-45

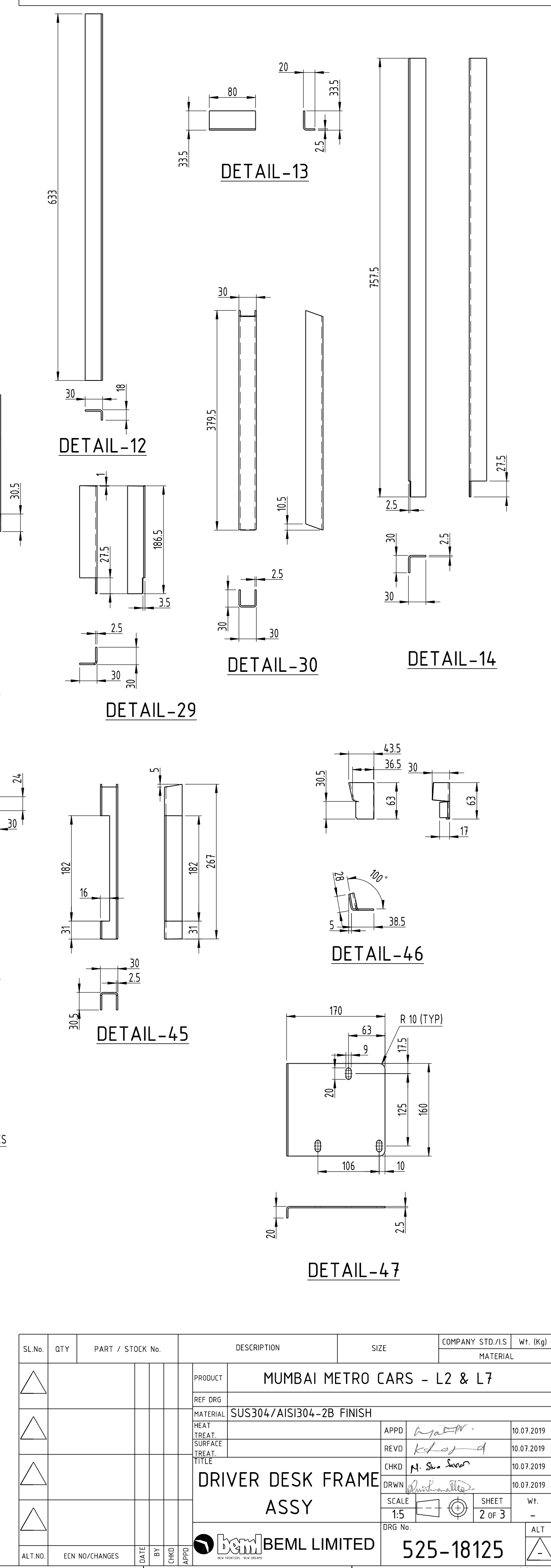
DETAIL-46

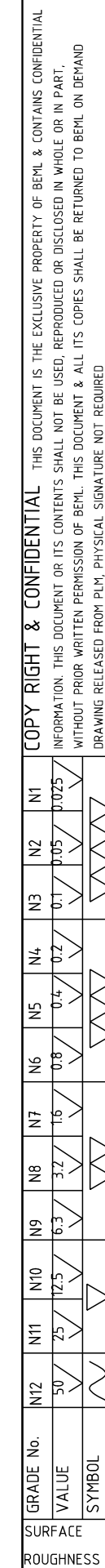
DETAIL-47

MUMBAI METRO CARS - L2 & L7

DRIVER DESK FRAME ASSY

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./IS	Wt. (Kg)
1	1		PRODUCT			
2	1		REF. DRG.			
3	1		MATERIAL			
4	1		HEAT TREAT			
5	1		SURFACE TREAT.			
6	1		TITLE			
7	1		APPROD			
8	1		DATE			
9	1		BY			
10	1		CHKD			
11	1		APPROD			
12	1		DATE			
13	1		BY			
14	1		CHKD			
15	1		APPROD			
16	1		DATE			
17	1		BY			
18	1		CHKD			
19	1		APPROD			
20	1		DATE			
21	1		BY			
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46	1		CHKD			
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71	1		APPROD			
72	1		DATE			
73	1		BY			
74	1		CHKD			





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07.2019	Wf.	-
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