

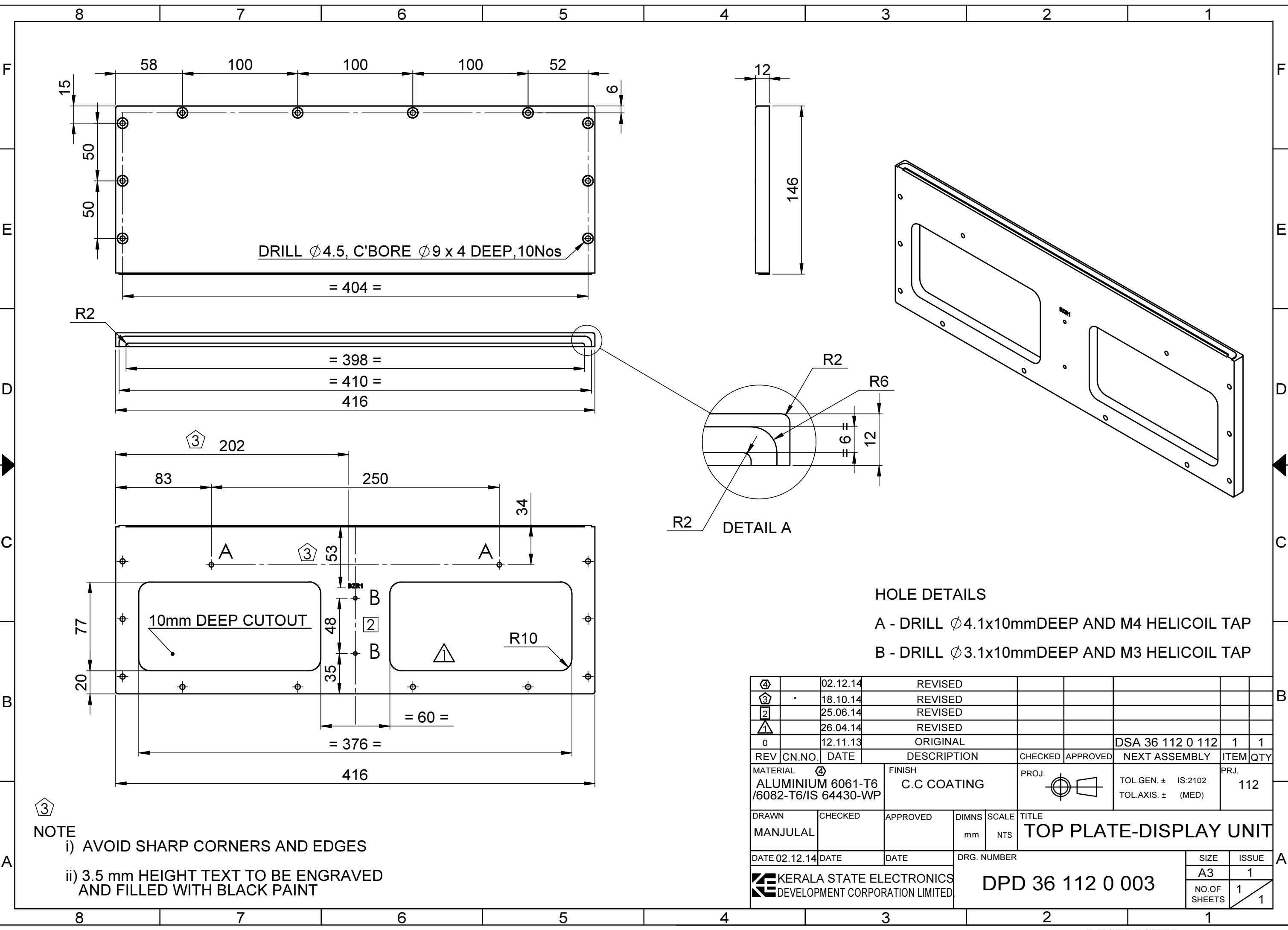
MASK THIS FACE BEFORE PAINTING

NOTE:

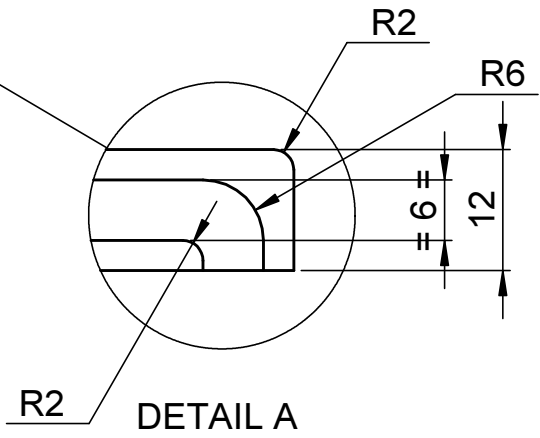
1. AFTER ASSEMBLING, ALL JOINTS AND SCREWED HOLES ON OUTER SURFACE TO BE FILLED WITH M- SEAL AND LEVELLED SMOOTH BEFORE PAINTING
2. FINISH: C.C COATING AND PAINTED L.A GREY POWDER COATING TO IS:5 SHADE NO:697
3. PAINTING OUTER SURFACE ONLY AFTER MATCHING WITH THE FRONT DOOR(DPD 36 112 0 007)
4. HATCHED AREA TO BE MASKED BEFORE PAINTING
5. FASTENERS TO BE USED FOR ASSEMBLY
 - A. M4 x 15 CHEESE HEAD SCREW (S.S)
 - B. M4 PLAIN WASHER
 - C. M4 SPRING WASHER
 - D. HELICOIL INSERT M4X0.7X6

4											
3											
2											
1											
0	29.04.14		ORIGINAL					DMA 36 112 0 002	1	1	
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY			
			FINISH			PROJ.			TOL.GEN. ± IS:2102	PRJ.	
			SEE NOTE						TOL.AXIS. ± (MED)	112	
DRAWN	CHECKED	APPROVED	DIMMS	SCALE	TITLE						
NANDHU			mm	NTS	DISPLAY BOX ASSEMBLY						
DATE 29.04.14	DATE	DATE	DRG. NUMBER			SIZE	ISSUE				
			DSA 36 112 0 012			A3	1				
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED						NO.OF SHEETS	1	1			

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)	
ABOVE	0.5
UPTO	6
TOL.	±0.1
LENGTH IN mm OF SHORTER SIDE OF ANGLE	
UP TO	6
TOL.	±0.1
ABOVE	6
TOL.	±0.2
LENGTH IN mm OF SHORTER SIDE OF ANGLE	
UP TO	30
TOL.	±0.3
ABOVE	30
TOL.	±0.5
LENGTH IN mm OF SHORTER SIDE OF ANGLE	
UP TO	120
TOL.	±0.8
ABOVE	120
TOL.	±1.2



DRILL ϕ 4.5, C'BORE ϕ 9 x 4 DEEP, 10Nos



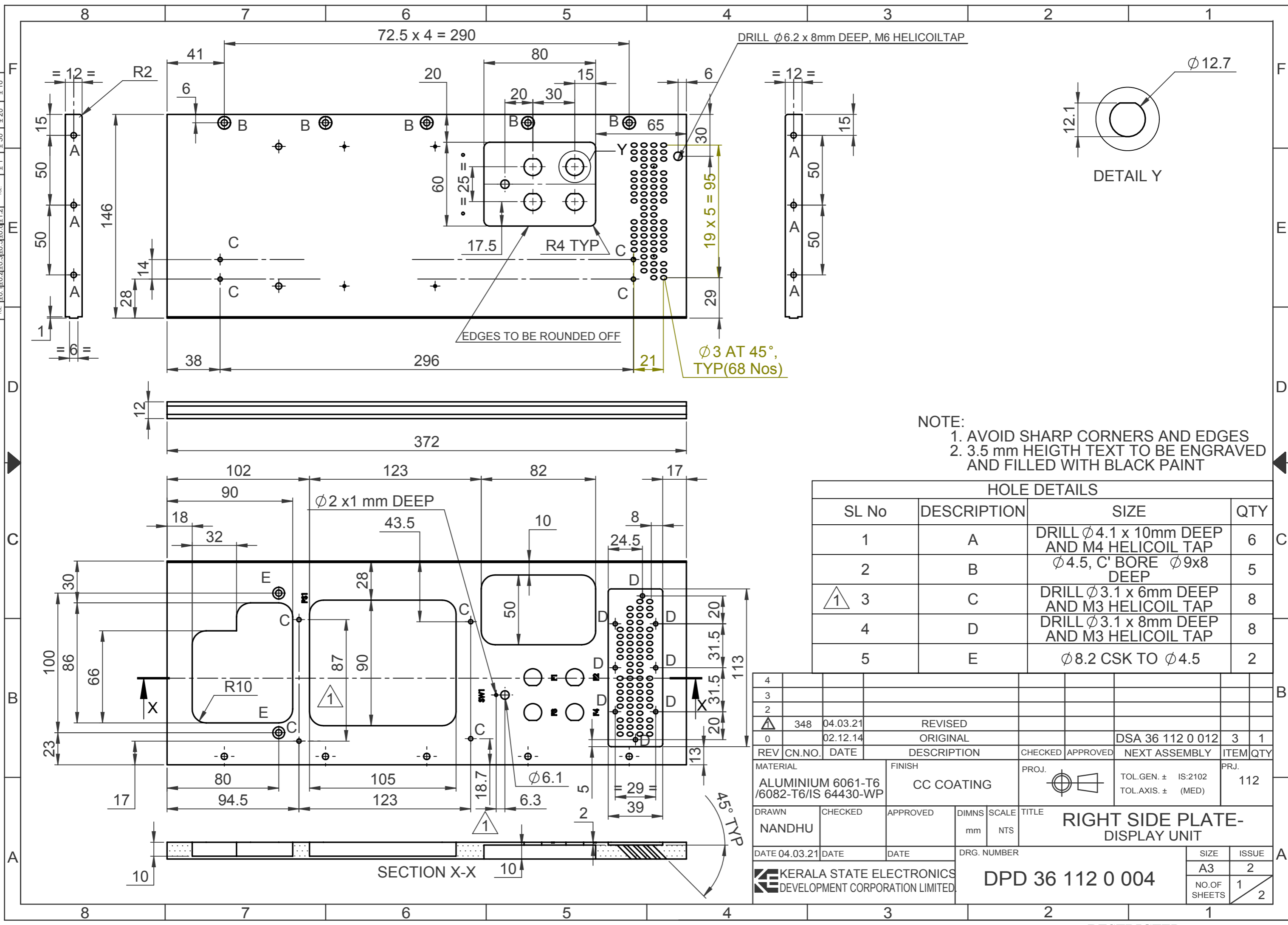
HOLE DETAILS

- A - DRILL ϕ 4.1x10mm DEEP AND M4 HELICOIL TAP
- B - DRILL ϕ 3.1x10mm DEEP AND M3 HELICOIL TAP

NOTE
 i) AVOID SHARP CORNERS AND EDGES
 ii) 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
4		02.12.14	REVISED					
3		18.10.14	REVISED					
2		25.06.14	REVISED					
1		26.04.14	REVISED					
0		12.11.13	ORIGINAL			DSA 36 112 0 112	1	1
MATERIAL			FINISH	PROJ.		TOL.GEN. \pm IS:2102		PRJ.
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			C.C COATING			TOL.AXIS. \pm (MED)		112
DRAWN		CHECKED	APPROVED	DIMNS	SCALE	TITLE		
MANJULAL				mm	NTS	TOP PLATE-DISPLAY UNIT		
DATE 02.12.14		DATE	DATE	DRG. NUMBER		SIZE		ISSUE
				KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED		A3		1
				DPD 36 112 0 003		NO.OF SHEETS		1
								1

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)	
ABOVE 0.5	± 0.1
UP TO 0.5	± 0.05
UP TO 0.1	± 0.02
UP TO 0.05	± 0.01
UP TO 0.02	± 0.005
UP TO 0.01	± 0.002
UP TO 0.005	± 0.001
UP TO 0.002	± 0.0005
UP TO 0.001	± 0.0002
UP TO 0.0005	± 0.0001

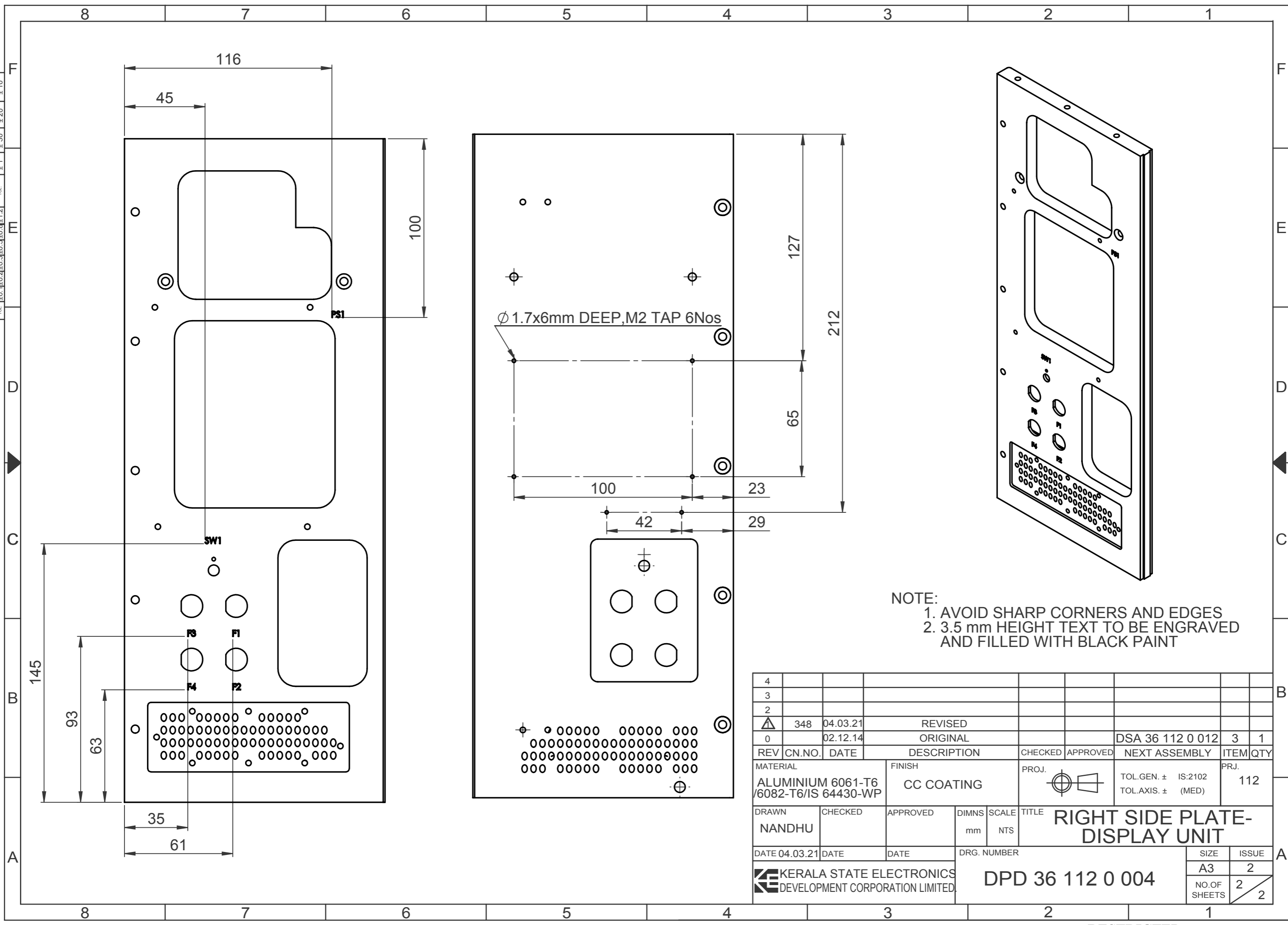


NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

HOLE DETAILS				
SL No	DESCRIPTION	SIZE	QTY	
1	A	DRILL ϕ 4.1 x 10mm DEEP AND M4 HELICOIL TAP	6	
2	B	ϕ 4.5, C' BORE ϕ 9x8 DEEP	5	
3	C	DRILL ϕ 3.1 x 6mm DEEP AND M3 HELICOIL TAP	8	
4	D	DRILL ϕ 3.1 x 8mm DEEP AND M3 HELICOIL TAP	8	
5	E	ϕ 8.2 CSK TO ϕ 4.5	2	

4									
3									
2									
1	348	04.03.21	REVISED						
0		02.12.14	ORIGINAL				DSA 36 112 0 012	3	1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL			FINISH	PROJ.		TOL.GEN. \pm IS:2102	PRJ.		
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			CC COATING			TOL.AXIS. \pm (MED)	112		
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	RIGHT SIDE PLATE-DISPLAY UNIT				
DATE	DATE	DATE	DRG. NUMBER		SIZE		ISSUE		
04.03.21			DPD 36 112 0 004		A3		2		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED.							NO.OF SHEETS		2
							1		2

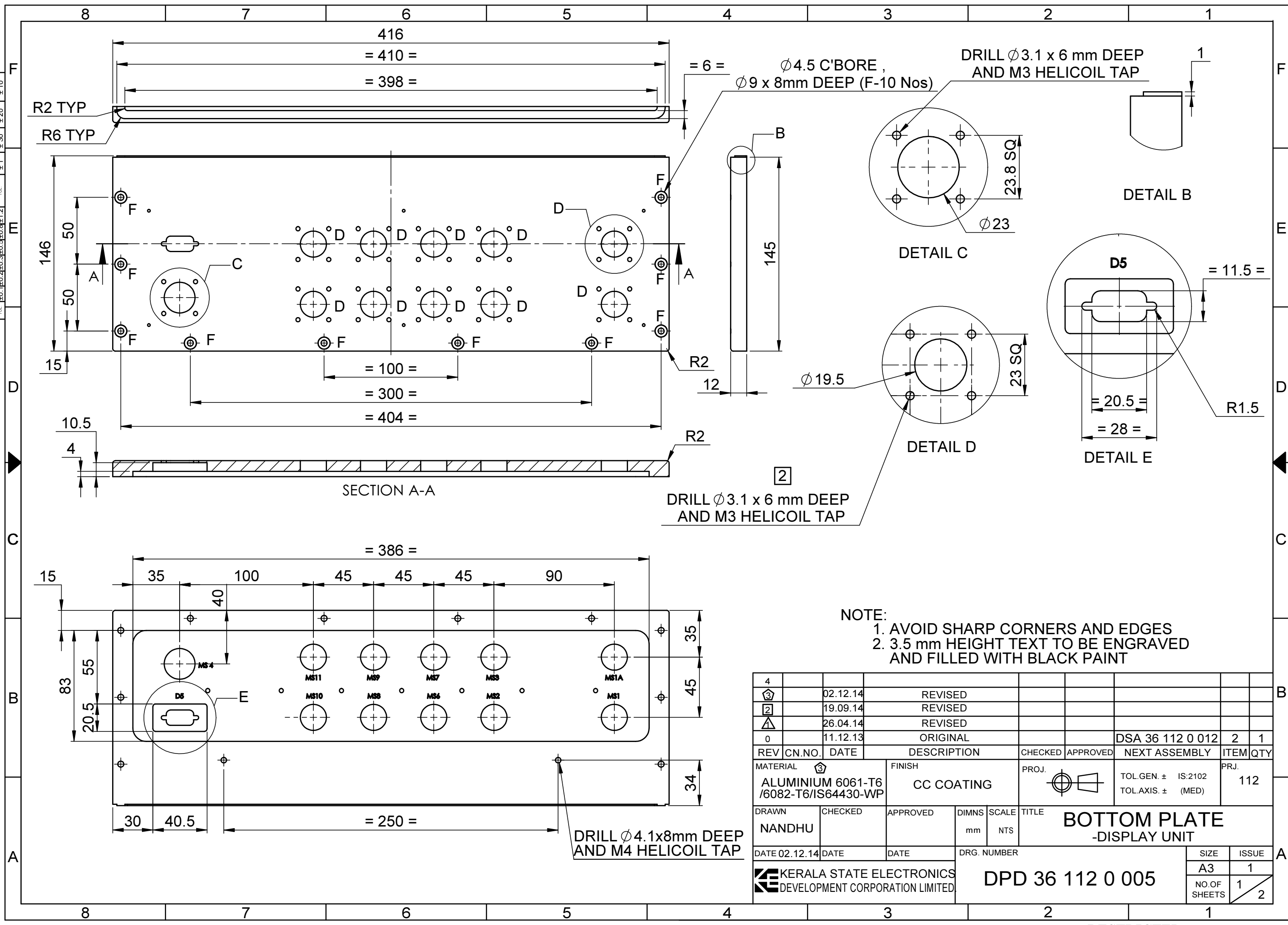
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)			
ABOVE	6	30	120
0.5	± 0.1	± 0.2	± 0.3
UP TO	6	30	120
TOL.	± 0.1	± 0.2	± 0.3



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

4									
3									
2									
1	348	04.03.21	REVISED						
0		02.12.14	ORIGINAL					DSA 36 112 0 012	3 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL			FINISH	PROJ.		TOL.GEN. ±	IS:2102	PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			CC COATING			TOL.AXIS. ±	(MED)	112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	RIGHT SIDE PLATE-DISPLAY UNIT				
DATE 04.03.21	DATE	DATE	DRG. NUMBER		SIZE		ISSUE		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED.			DPD 36 112 0 004		A3		2		
					NO.OF SHEETS		2		

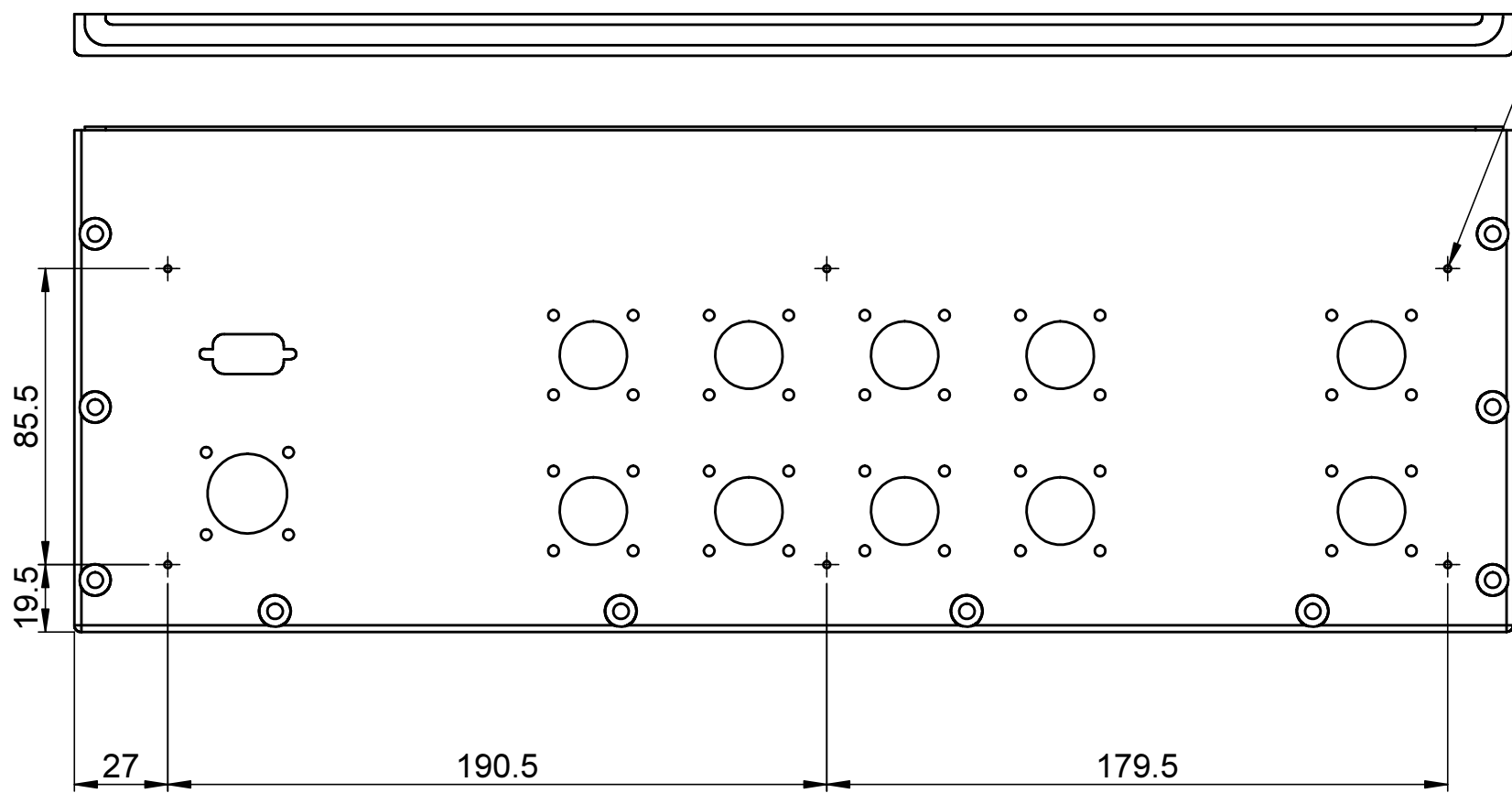
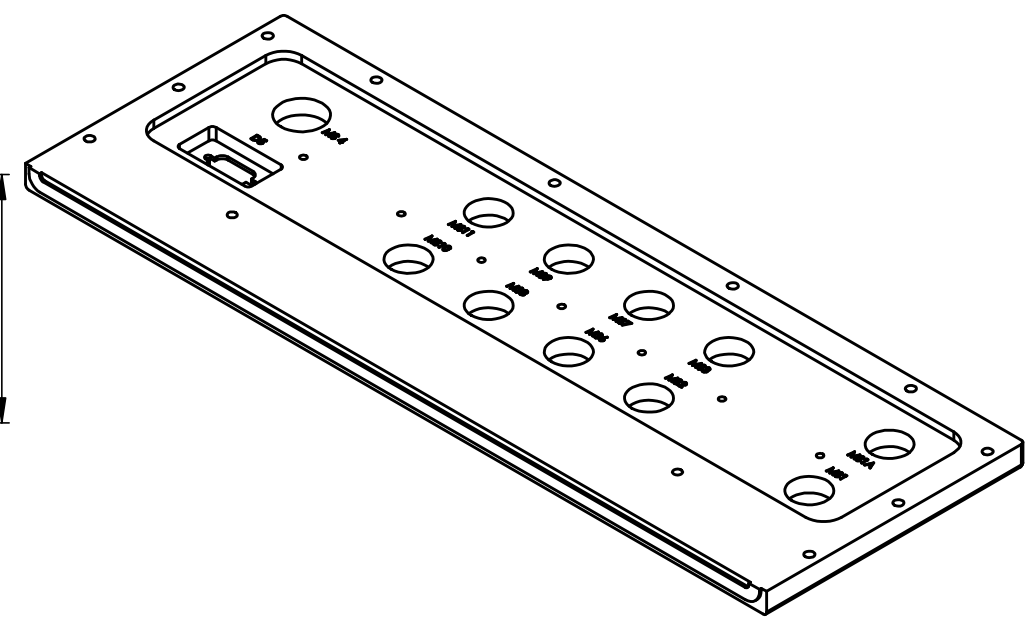
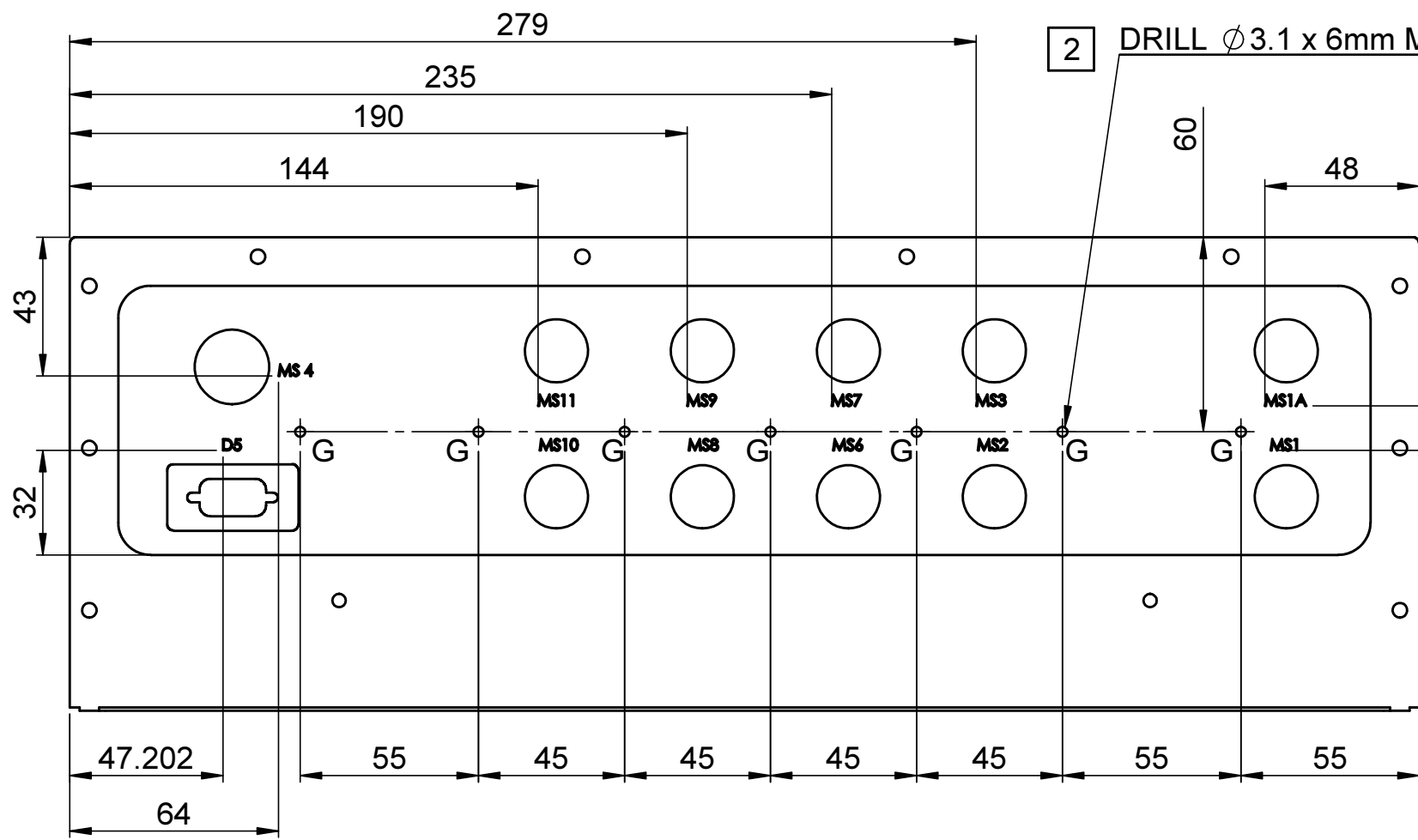
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)	
ABOVE	LENGTH IN mm OF SHORTER SIDE OF ANGLE
0.5	6
1.0	12
1.5	18
2.0	24
3.0	30
4.0	36
5.0	42
6.0	48
8.0	64
10.0	80
12.0	96
15.0	120
20.0	160
25.0	200
30.0	240
40.0	320
50.0	400
60.0	480
80.0	640
100.0	800
TOL.	± 0.1



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

4									
3	02.12.14	REVISD							
2	19.09.14	REVISD							
1	26.04.14	REVISD							
0	11.12.13	ORIGINAL					DSA 36 112 0 012	2	1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL		FINISH		PROJ.		TOL.GEN. ± IS:2102		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS64430-WP		CC COATING		[Symbol]		TOL.AXIS. ± (MED)		112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	BOTTOM PLATE -DISPLAY UNIT				
DATE 02.12.14	DATE	DATE	DRG. NUMBER		SIZE				
			DPD 36 112 0 005		A3				
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED								ISSUE	
								1	
								NO.OF SHEETS	
								1	
								2	

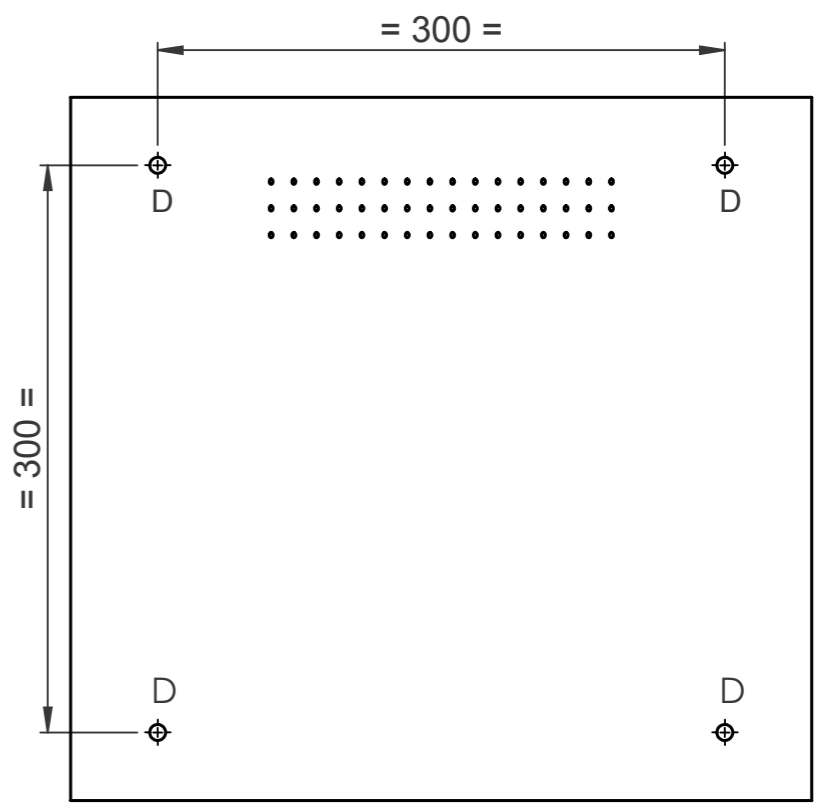
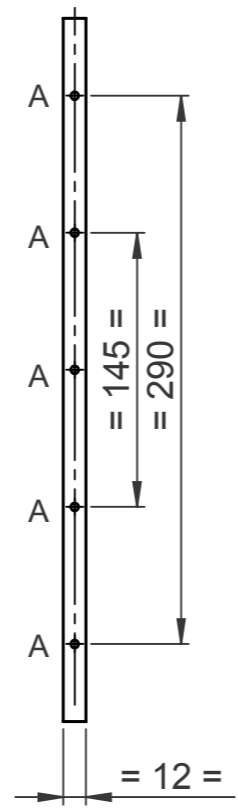
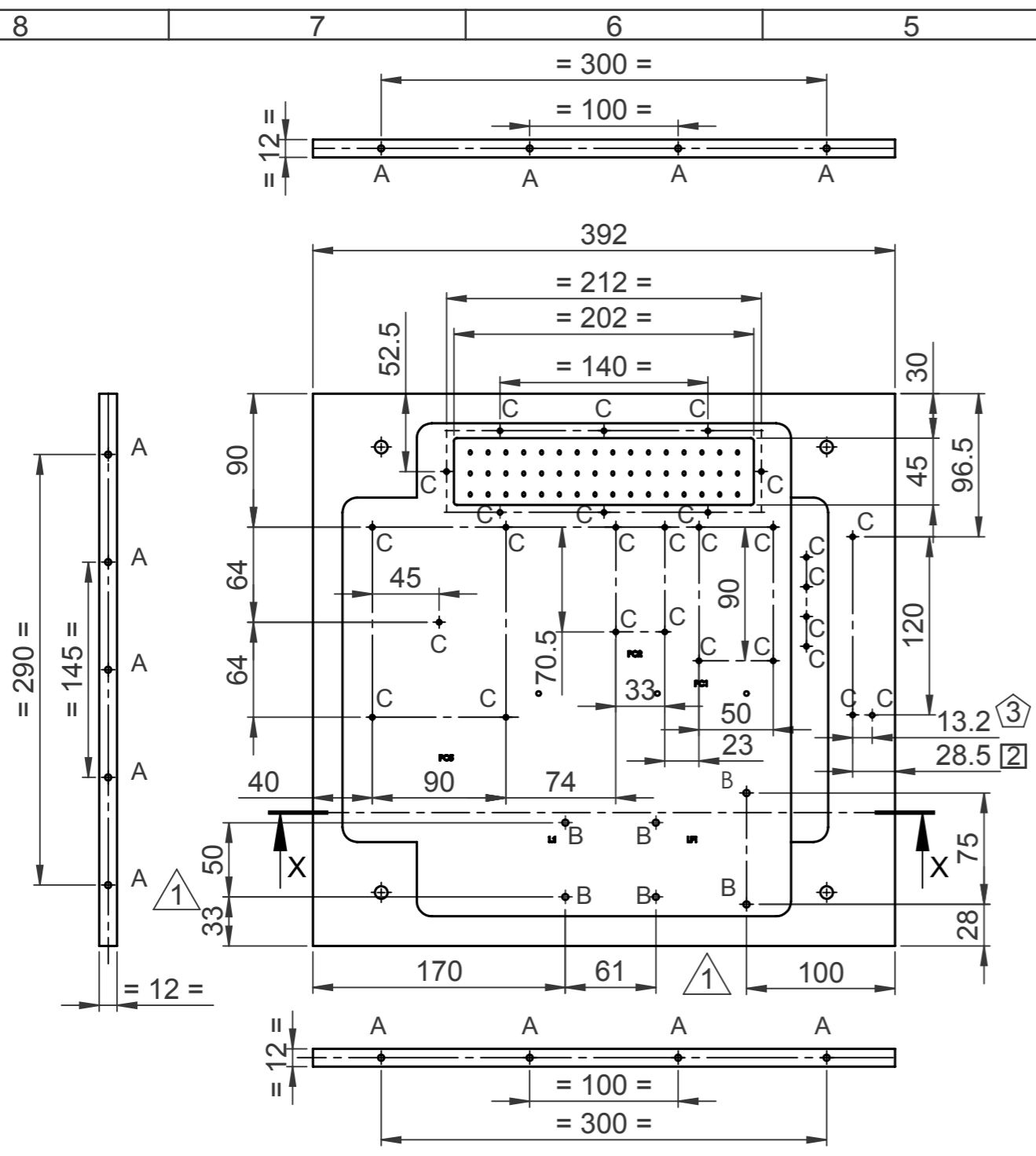
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	120	315	1000
TOL.	± 0.1	± 0.3	± 1.2
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
ABOVE	0.5	6	30
UP TO	120	315	1000
TOL.	± 0.1	± 0.3	± 1.2



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

4										
3	02.12.14		REVISED							
2	19.09.14		REVISED							
1	26.04.14		REVISED							
0	12.11.13		ORIGINAL					DSA 36 112 0 012	2	1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY		
MATERIAL			FINISH	PROJ.		TOL.GEN. ± IS:2102	PRJ.			
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			CC COATING	[Symbol]		TOL.AXIS. ± (MED)	112			
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE					
NANDHU			mm	NTS	BOTTOM PLATE -DISPLAY UNIT					
DATE 02.12.14	DATE	DATE	DRG. NUMBER		SIZE		ISSUE			
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED			DPD 36 112 0 005		A3		1			
					NO.OF SHEETS		2			
							2			

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	6	30	120
TOL.	+0.1	+0.2	+0.3
LENGTH IN MM OF SHORTER SIDE OF ANGLE			
UP TO	0.5	6	30
TOL.	+1°	+2°	+3°



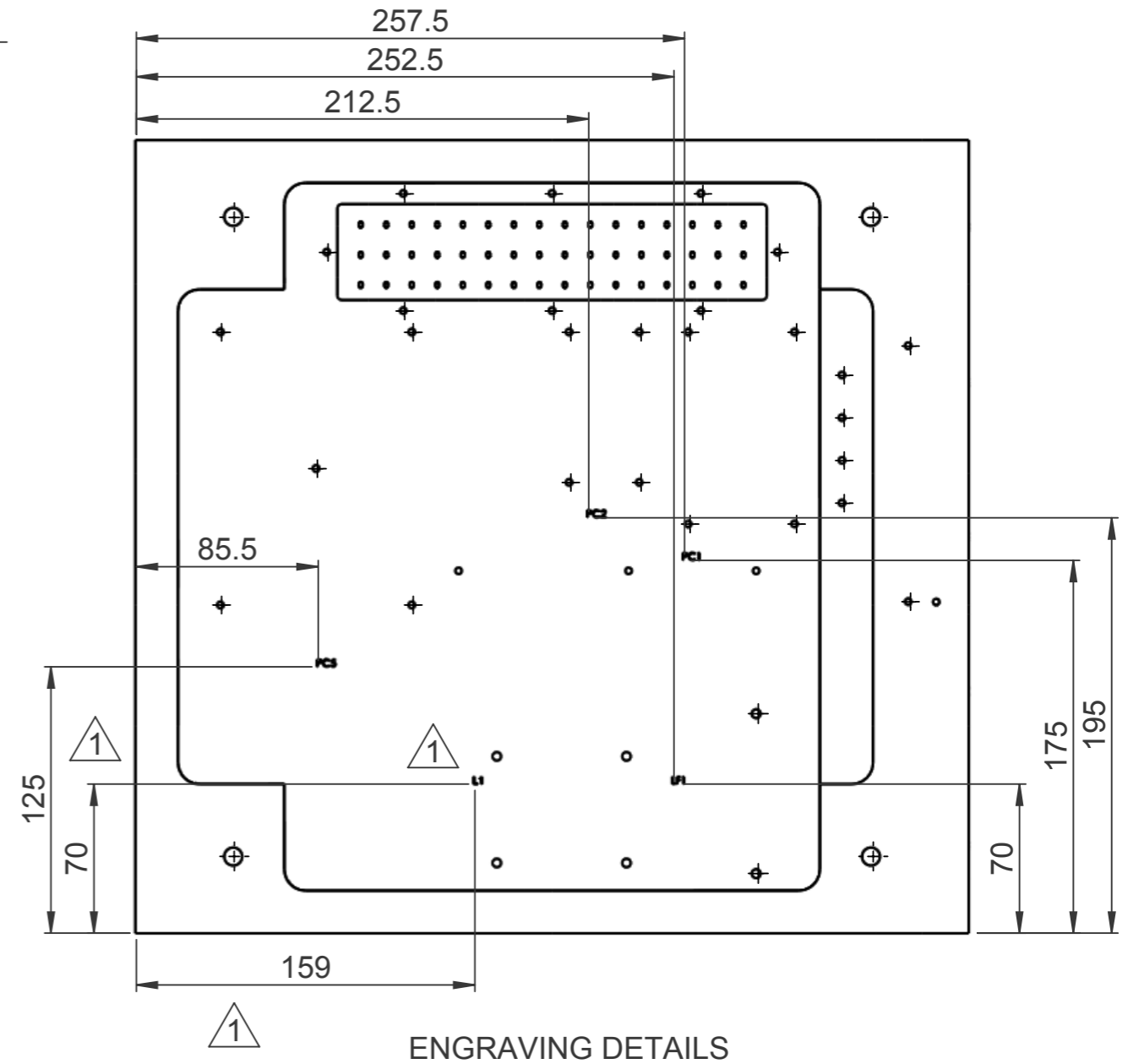
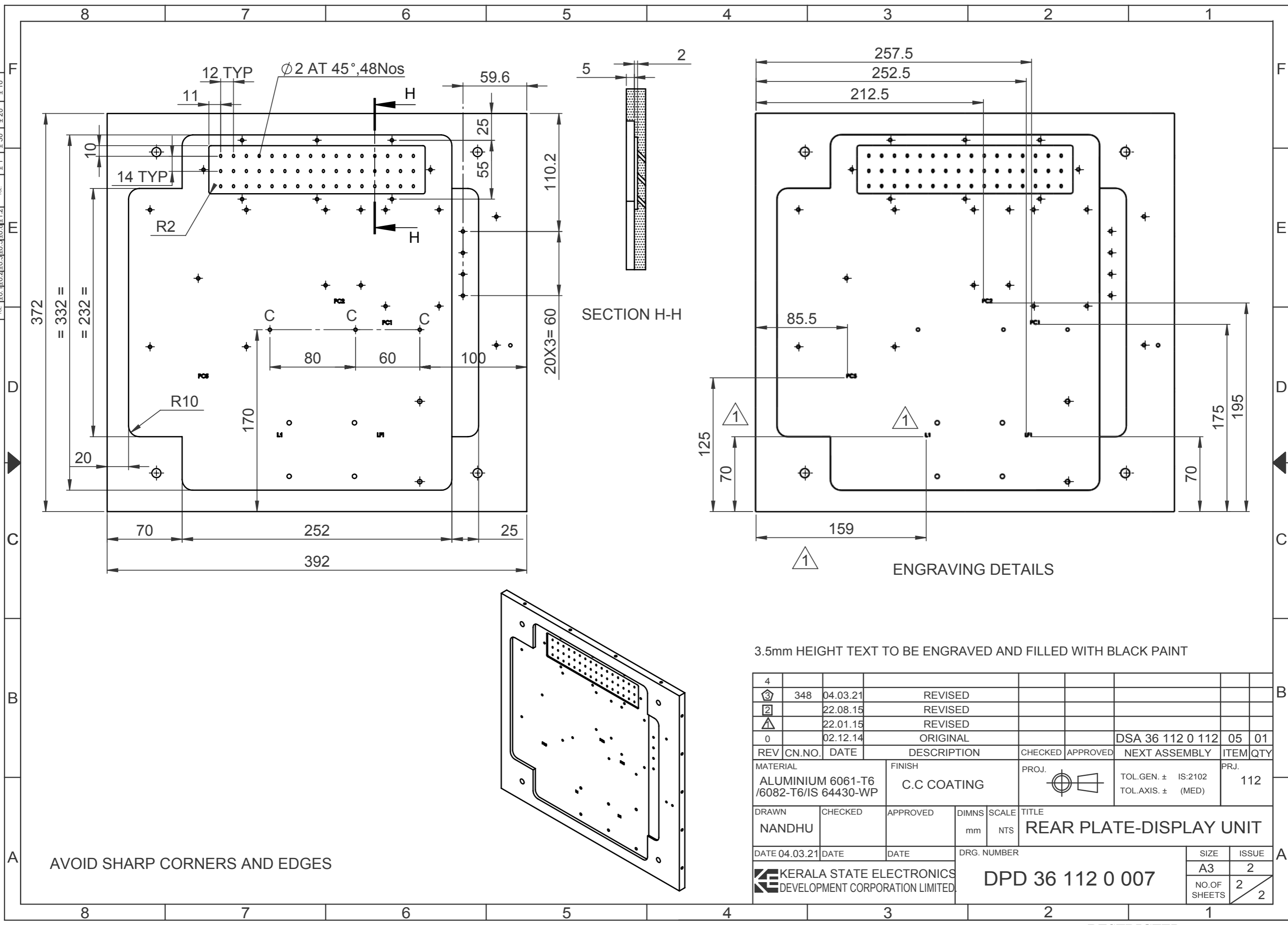
HOLE DETAILS

SL NO	REF	DESCRIPTION	QTY
1	A	DRILL $\phi 4.1 \times 10$ mm DEEP, M4 HELCOIL TAP	18
2	B	DRILL $\phi 4.1 \times 6$ mm DEEP, M4 HELCOIL TAP	$\triangle 1$ 6
3	C	DRILL $\phi 3.1 \times 5$ mm DEEP, M3 HELCOIL TAP	31 $\textcircled{3}$
4	D	$\phi 8.5$	4

AVOID SHARP CORNERS AND EDGES

4									
$\textcircled{3}$	348	04.03.21	REVISED						
\square		22.08.15	REVISED						
\triangle		22.01.15	REVISED						
0		02.12.14	ORIGINAL					DSA 36 112 0 112	05 01
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL			FINISH	PROJ.		TOL.GEN. \pm	IS:2102	PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			C.C COATING			TOL.AXIS. \pm	(MED)	112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	REAR PLATE-DISPLAY UNIT				
DATE 04.03.21	DATE	DATE	DRG. NUMBER		SIZE	ISSUE			
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED.			DPD 36 112 0 007		A3	2			
					NO.OF SHEETS	1 / 2			

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)			
ABOVE	6	30	120
0.5	± 0.1	± 0.2	± 0.5
1	± 0.2	± 0.4	± 1.0
2	± 0.4	± 0.8	± 2.0
3	± 0.6	± 1.2	± 3.0
4	± 0.8	± 1.6	± 4.0
5	± 1.0	± 2.0	± 5.0
6	± 1.2	± 2.4	± 6.0
7	± 1.4	± 2.8	± 7.0
8	± 1.6	± 3.2	± 8.0
9	± 1.8	± 3.6	± 9.0
10	± 2.0	± 4.0	± 10.0
11	± 2.2	± 4.4	± 11.0
12	± 2.4	± 4.8	± 12.0
13	± 2.6	± 5.2	± 13.0
14	± 2.8	± 5.6	± 14.0
15	± 3.0	± 6.0	± 15.0
16	± 3.2	± 6.4	± 16.0
17	± 3.4	± 6.8	± 17.0
18	± 3.6	± 7.2	± 18.0
19	± 3.8	± 7.6	± 19.0
20	± 4.0	± 8.0	± 20.0
21	± 4.2	± 8.4	± 21.0
22	± 4.4	± 8.8	± 22.0
23	± 4.6	± 9.2	± 23.0
24	± 4.8	± 9.6	± 24.0
25	± 5.0	± 10.0	± 25.0
26	± 5.2	± 10.4	± 26.0
27	± 5.4	± 10.8	± 27.0
28	± 5.6	± 11.2	± 28.0
29	± 5.8	± 11.6	± 29.0
30	± 6.0	± 12.0	± 30.0
31	± 6.2	± 12.4	± 31.0
32	± 6.4	± 12.8	± 32.0
33	± 6.6	± 13.2	± 33.0
34	± 6.8	± 13.6	± 34.0
35	± 7.0	± 14.0	± 35.0
36	± 7.2	± 14.4	± 36.0
37	± 7.4	± 14.8	± 37.0
38	± 7.6	± 15.2	± 38.0
39	± 7.8	± 15.6	± 39.0
40	± 8.0	± 16.0	± 40.0
41	± 8.2	± 16.4	± 41.0
42	± 8.4	± 16.8	± 42.0
43	± 8.6	± 17.2	± 43.0
44	± 8.8	± 17.6	± 44.0
45	± 9.0	± 18.0	± 45.0
46	± 9.2	± 18.4	± 46.0
47	± 9.4	± 18.8	± 47.0
48	± 9.6	± 19.2	± 48.0
49	± 9.8	± 19.6	± 49.0
50	± 10.0	± 20.0	± 50.0



ENGRAVING DETAILS

3.5mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

4									
3	348	04.03.21	REVISED						
2		22.08.15	REVISED						
1		22.01.15	REVISED						
0		02.12.14	ORIGINAL					DSA 36 112 0 112	05 01
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL			FINISH		PROJ.		TOL.GEN. ± IS:2102		PRJ.
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			C.C COATING				TOL.AXIS. ± (MED)		112
DRAWN		CHECKED		APPROVED		DIMNS		SCALE	
NANDHU						mm		NTS	
DATE 04.03.21		DATE		DATE		DRG. NUMBER		TITLE	
						DPD 36 112 0 007		REAR PLATE-DISPLAY UNIT	
							SIZE		ISSUE
							A3		2
							NO.OF SHEETS		2
									2

AVOID SHARP CORNERS AND EDGES

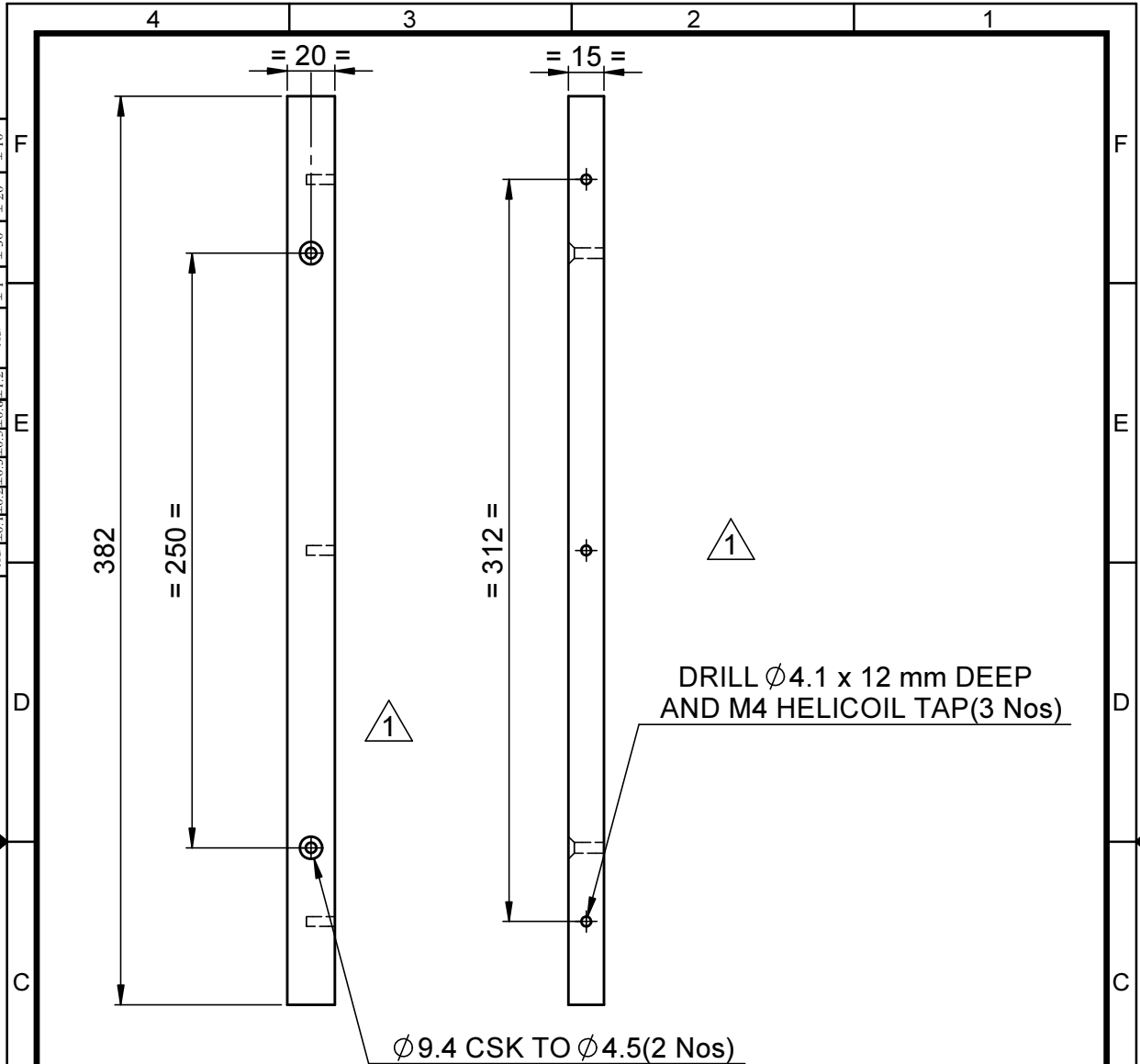
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED.

DPD 36 112 0 007

RESTRICTED

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102-MEDIUM)

MAXIM	0.5	6	30	120	315	1000	LENGTH IN mm OF SHORTER SIDE OF ANGLE
UP TO	6	30	120	315	1000	2000	ANGLE & UP TO
TOL.	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	
							6 - 30
							30 - 120
							120 - 400
							± 10°
							± 20°
							± 30°
							± 1.0°



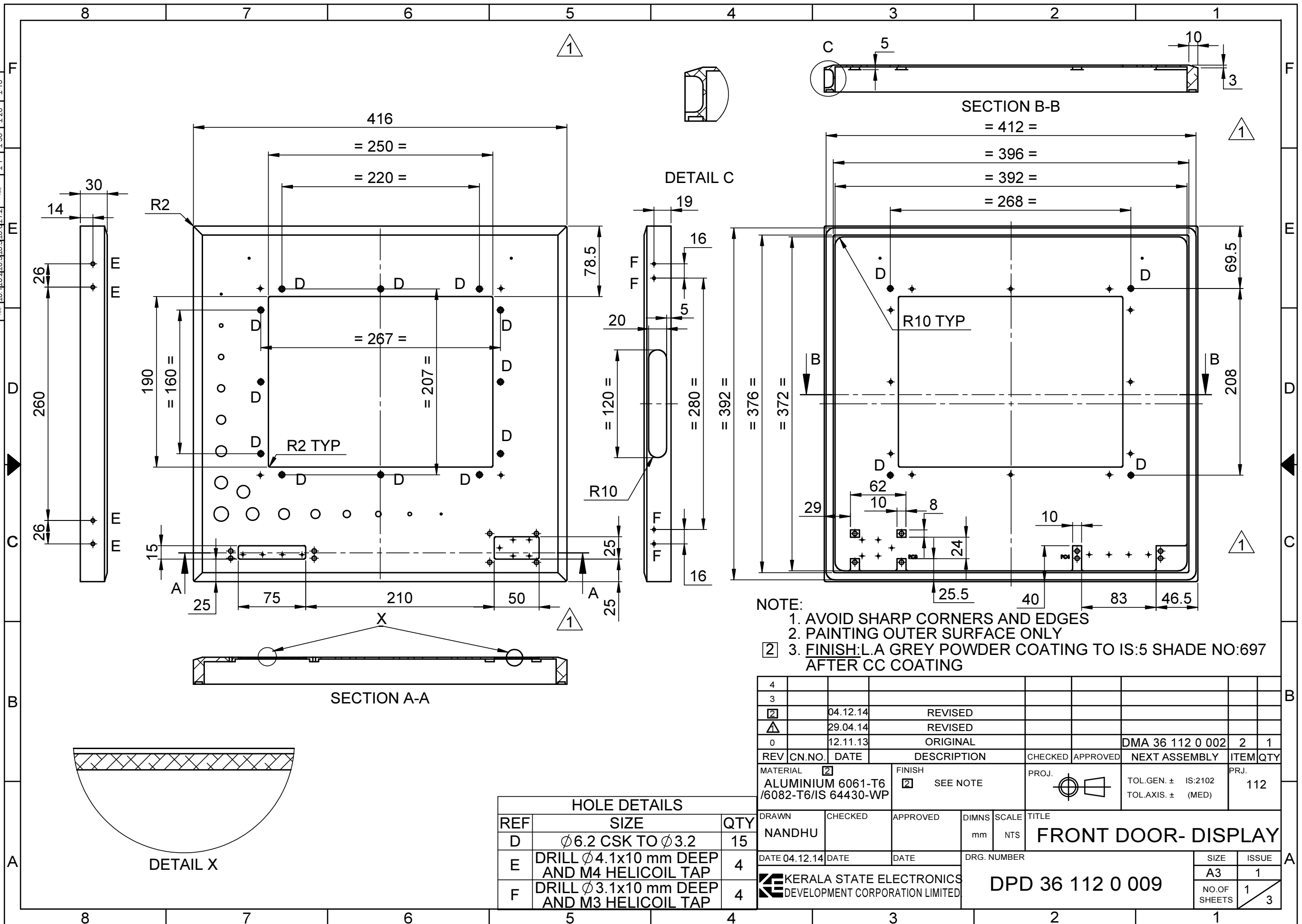
NOTE:
AVOID SHARP CORNERS AND EDGES

4									
3									
2	02.12.14		REVISED						
1	29.04.14		REVISED						
0	12.11.13		ORIGINAL						
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL		2	FINISH	PROJ.		TOL.GEN. ± IS:2102	PRJ.		
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			CC COATING			TOL.AXIS. ± (MED)	112		
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
MANJULAL			mm	NTS	SUPPORTING ROD				
DATE	02.12.14	DATE	DATE	DRG. NUMBER			SIZE	ISSUE	
				DPD 36 112 0 008			A4	1	
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED.							NO.OF SHEETS	1	
								1	

RESTRICTED

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DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)	
ABOVE	0.5
UP TO	30
TOL.	± 1.0
LENGTH IN mm OF SHORTER SIDE OF ANGLE	
ABOVE	0.5
UP TO	30
TOL.	± 1.0
REMOVE & UP TO	
0.5	30
TOL.	± 1.0
REMOVE & UP TO	
0.5	30
TOL.	± 1.0

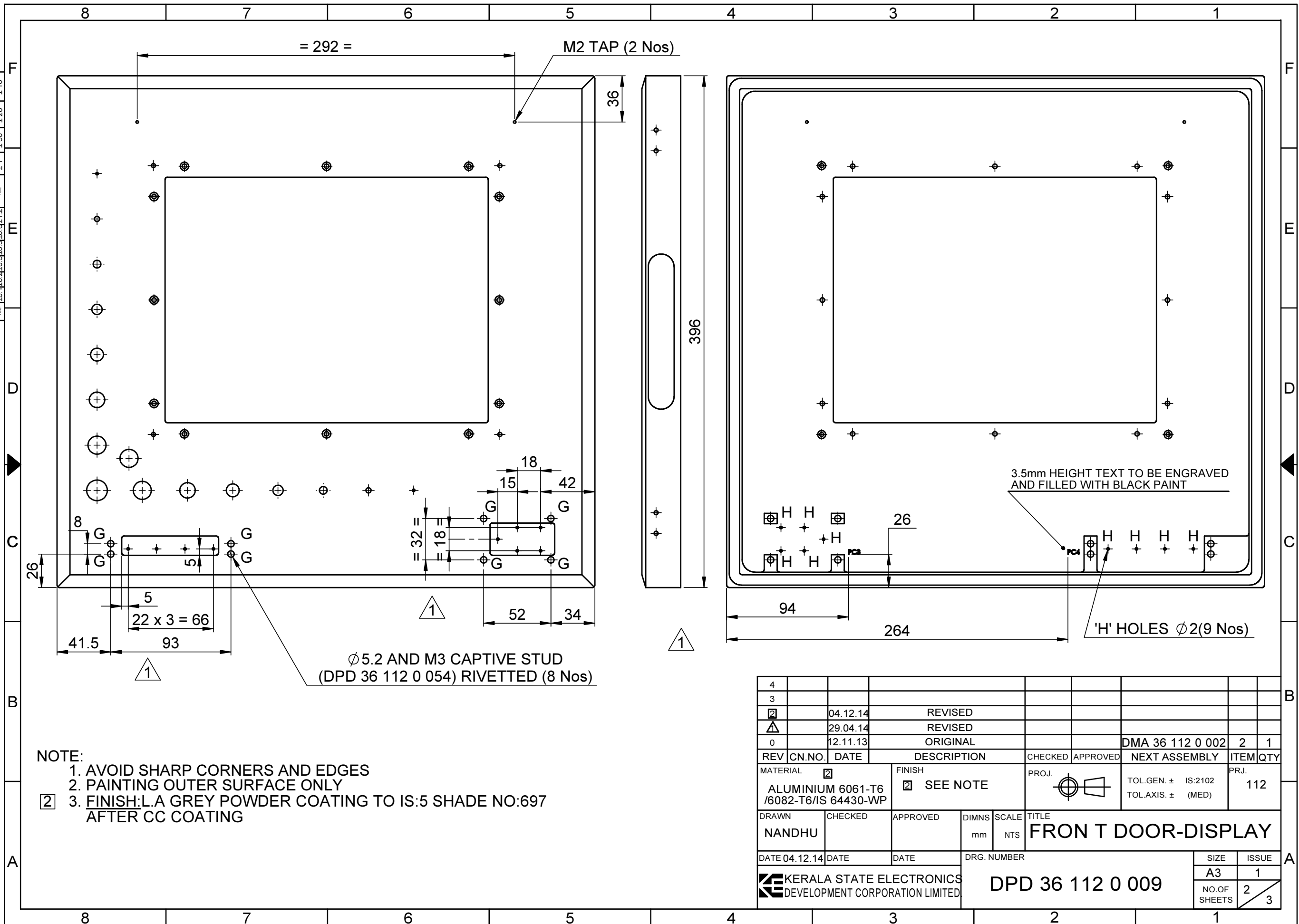


- NOTE:
1. AVOID SHARP CORNERS AND EDGES
 2. PAINTING OUTER SURFACE ONLY
 3. FINISH: L.A GREY POWDER COATING TO IS:5 SHADE NO:697 AFTER CC COATING

4									
3									
2	04.12.14	REVISED							
1	29.04.14	REVISED							
0	12.11.13	ORIGINAL						DMA 36 112 0 002	2 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL	ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP		FINISH	SEE NOTE		PROJ.	TOL.GEN. ± IS:2102 TOL.AXIS. ± (MED)		PRJ. 112
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	FRONT DOOR- DISPLAY				
DATE	04.12.14	DATE	DATE	DRG. NUMBER		SIZE		ISSUE	
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED						DPD 36 112 0 009		A3	1
								NO.OF SHEETS	1
									3

HOLE DETAILS		
REF	SIZE	QTY
D	Ø6.2 CSK TO Ø3.2	15
E	DRILL Ø4.1x10 mm DEEP AND M4 HELICOIL TAP	4
F	DRILL Ø3.1x10 mm DEEP AND M3 HELICOIL TAP	4

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	0.5	6	30
TOL.	± 0.1	± 0.2	± 0.3



Ø 5.2 AND M3 CAPTIVE STUD (DPD 36 112 0 054) RIVETTED (8 Nos)

3.5mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

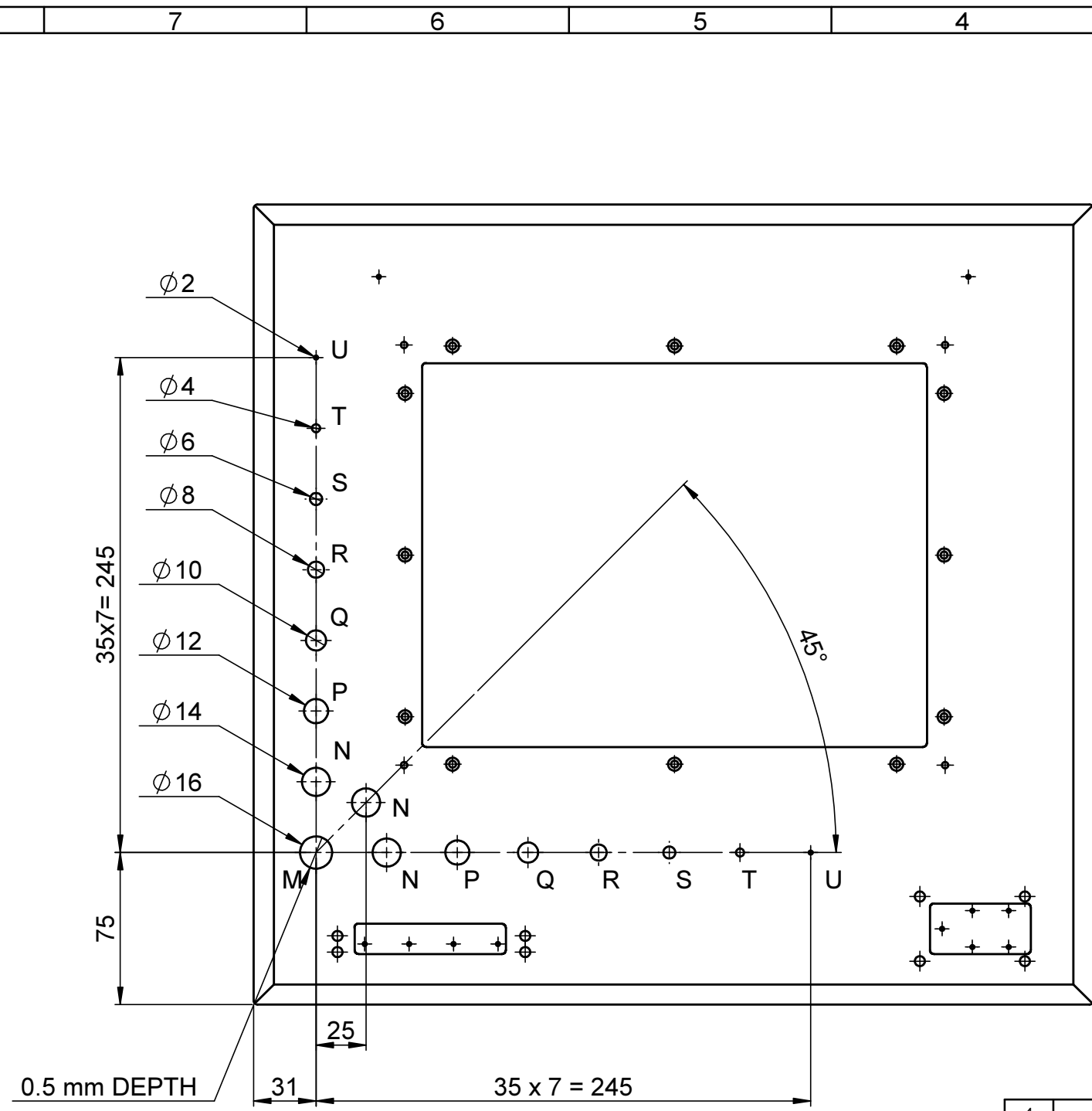
'H' HOLES Ø 2(9 Nos)

NOTE:

1. AVOID SHARP CORNERS AND EDGES
2. PAINTING OUTER SURFACE ONLY
3. FINISH: L.A GREY POWDER COATING TO IS:5 SHADE NO:697 AFTER CC COATING

4									
3									
2	04.12.14	REVISED							
1	29.04.14	REVISED							
0	12.11.13	ORIGINAL							
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL	ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP		FINISH	SEE NOTE		PROJ.	TOL.GEN. ± IS:2102 TOL.AXIS. ± (MED)		PRJ. 112
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	FRONT DOOR-DISPLAY				
DATE	04.12.14	DATE	DATE	DRG. NUMBER		SIZE	ISSUE		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED				DPD 36 112 0 009		A3	1		
						NO.OF SHEETS	2		
							3		

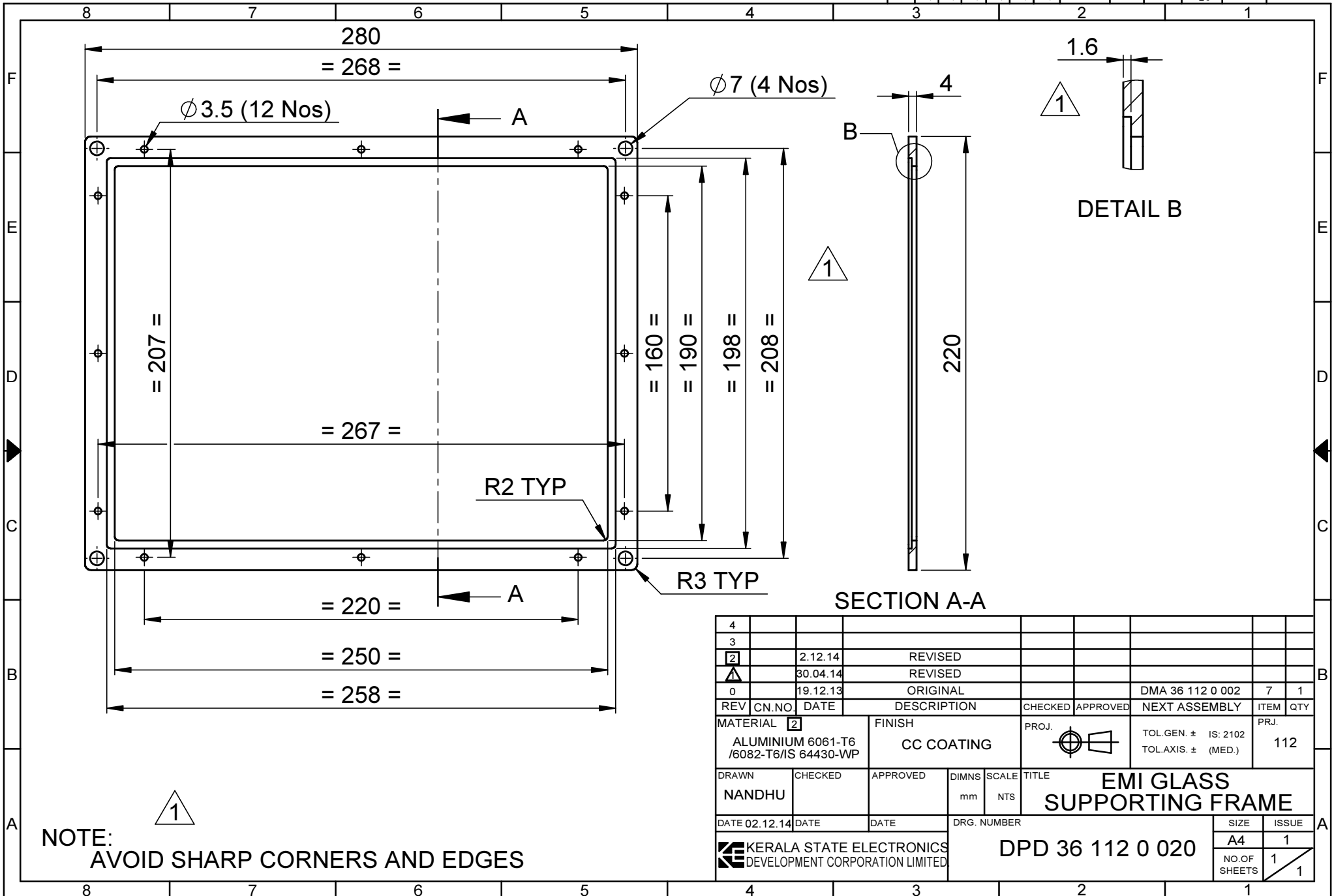
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	0.5	6	30
TOL.	H0.1	H0.3	H0.5
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
ABOVE	0.5	6	30
UP TO	0.5	6	30
TOL.	H0.1	H0.3	H0.5



- NOTE:
1. AVOID SHARP CORNERS AND EDGES
 2. PAINTING OUTER SURFACE ONLY
 3. **FINISH:** L.A GREY POWDER COATING TO IS:5 SHADE NO:697 AFTER CC COATING

4									
3									
2	04.12.14	REVISED							
1	29.04.14	REVISED							
0	12.11.13	ORIGINAL							
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL	2		FINISH	2	SEE NOTE	PROJ.	TOL.GEN. ± IS:2102	PRJ.	112
ALUMINIUM 6061-T6						TOL.AXIS. ± (MED)			
/6082-T6/IS 64430-WP									
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	FRONT DOOR-DISPLAY				
DATE	04.12.14	DATE		DATE		DRG. NUMBER	SIZE	ISSUE	
KERALA STATE ELECTRONICS		DPD 36 112 0 009				A3		1	
DEVELOPMENT CORPORATION LIMITED						NO.OF SHEETS		3	
								3	

DEVIATION FOR NON - TOLERANCED DIMENSIONS (IS : 2102 - MEDIUM)												
ABOVE	0.5	6	30	120	315	1000	LENGTH IN mm OF SHORTER SIDE OF ANGLE	ABOVE & UP TO	0.5 - 6	6 - 30	30 - 120	120 - 400
UP TO	6	30	120	315	1000	2000			± 1°	± 30'	± 20'	± 10'
TOL.	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2						



RESTRICTED

RESTRICTED

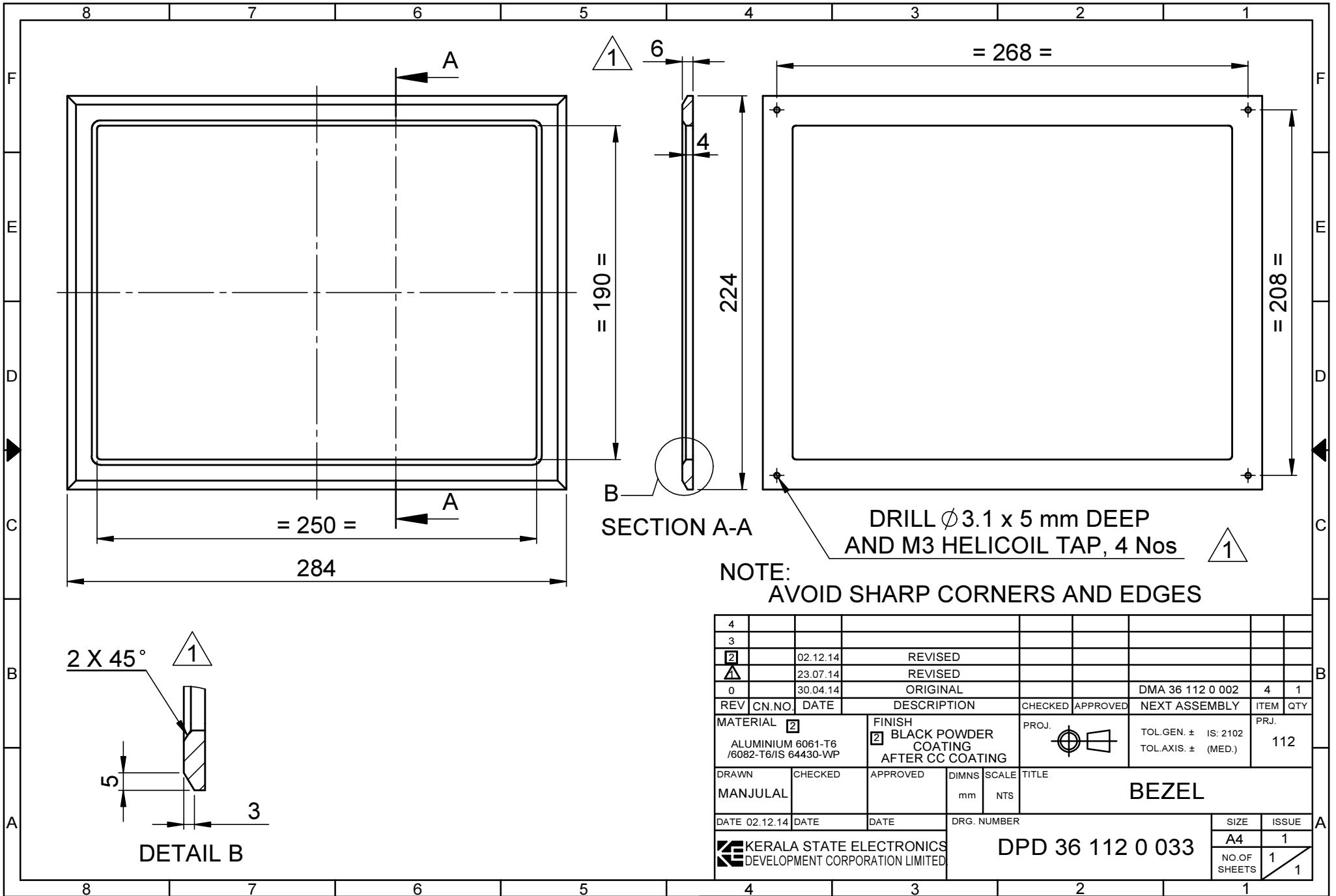
XX

NOTE:
 AVOID SHARP CORNERS AND EDGES

REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
4								
3								
2		2.12.14	REVISED					
1		30.04.14	REVISED					
0		19.12.13	ORIGINAL			DMA 36 112 0 002	7	1
MATERIAL		FINISH		PROJ.		PRJ.		
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP		CC COATING				TOL.GEN. ± IS: 2102 TOL.AXIS ± (MED.)		112
DRAWN		CHECKED		APPROVED		DIMNS		SCALE
NANDHU						mm		NTS
DATE		DATE		DATE		DRG. NUMBER		TITLE
02.12.14						DPD 36 112 0 020		EMI GLASS SUPPORTING FRAME
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED							SIZE	ISSUE
							A4	1
							NO.OF SHEETS	1

RESTRICTED

RESTRICTED

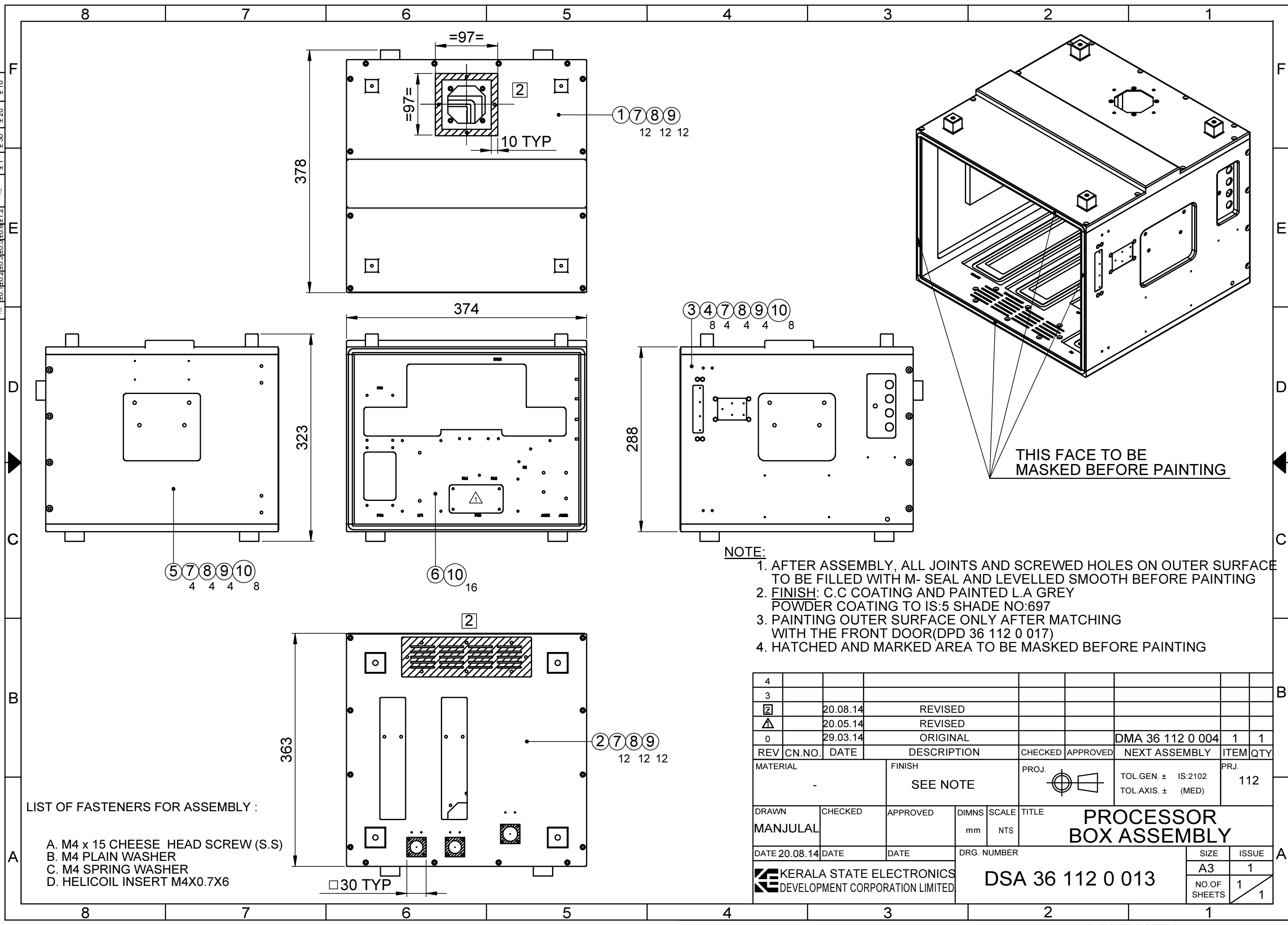


DRILL $\phi 3.1 \times 5$ mm DEEP
AND M3 HELICOIL TAP, 4 Nos

NOTE:
AVOID SHARP CORNERS AND EDGES

4										
3										
2		02.12.14	REVISED							
1		23.07.14	REVISED							
0		30.04.14	ORIGINAL							
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY		
MATERIAL	2		ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP							
FINISH	2		BLACK POWDER COATING AFTER CC COATING							
PROJ.										
TOL.GEN. \pm						IS: 2102				
TOL.AXIS. \pm						(MED.)				
PRJ.							112			
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE					
MANJULAL			mm	NTS	BEZEL					
DATE 02.12.14	DATE	DATE	DRG. NUMBER				SIZE	ISSUE		
			DPD 36 112 0 033	A4	1					
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED						NO.OF SHEETS	1			
							1			

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)			
ABOVE	6	30	120
0.5	1.0	3.15	10.00
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
UP TO	6	30	120
0.5	1.0	3.15	10.00
ABOVE & UP TO			
TOL.	± 0.1	± 0.2	± 0.5
± 1.2	± 1.2	± 1.2	± 1.2



THIS FACE TO BE MASKED BEFORE PAINTING

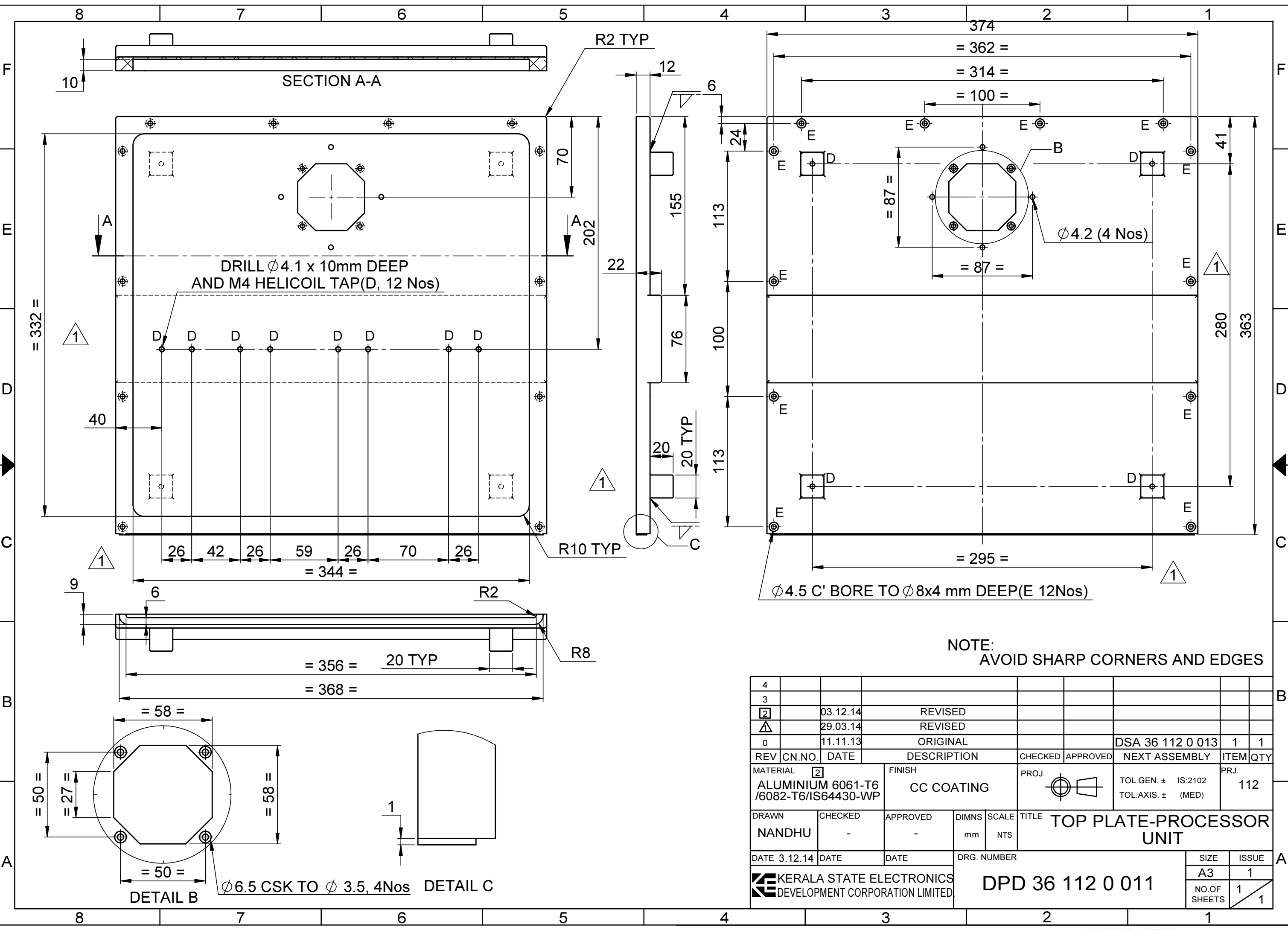
- NOTE:**
- AFTER ASSEMBLY, ALL JOINTS AND SCREWED HOLES ON OUTER SURFACE TO BE FILLED WITH M- SEAL AND LEVELLED SMOOTH BEFORE PAINTING
 - FINISH: C.C COATING AND PAINTED L.A GREY POWDER COATING TO IS:5 SHADE NO:697
 - PAINTING OUTER SURFACE ONLY AFTER MATCHING WITH THE FRONT DOOR(DPD 36 112 0 017)
 - HATCHED AND MARKED AREA TO BE MASKED BEFORE PAINTING

LIST OF FASTENERS FOR ASSEMBLY :

- A. M4 x 15 CHEESE HEAD SCREW (S.S)
- B. M4 PLAIN WASHER
- C. M4 SPRING WASHER
- D. HELICOIL INSERT M4X0.7X6

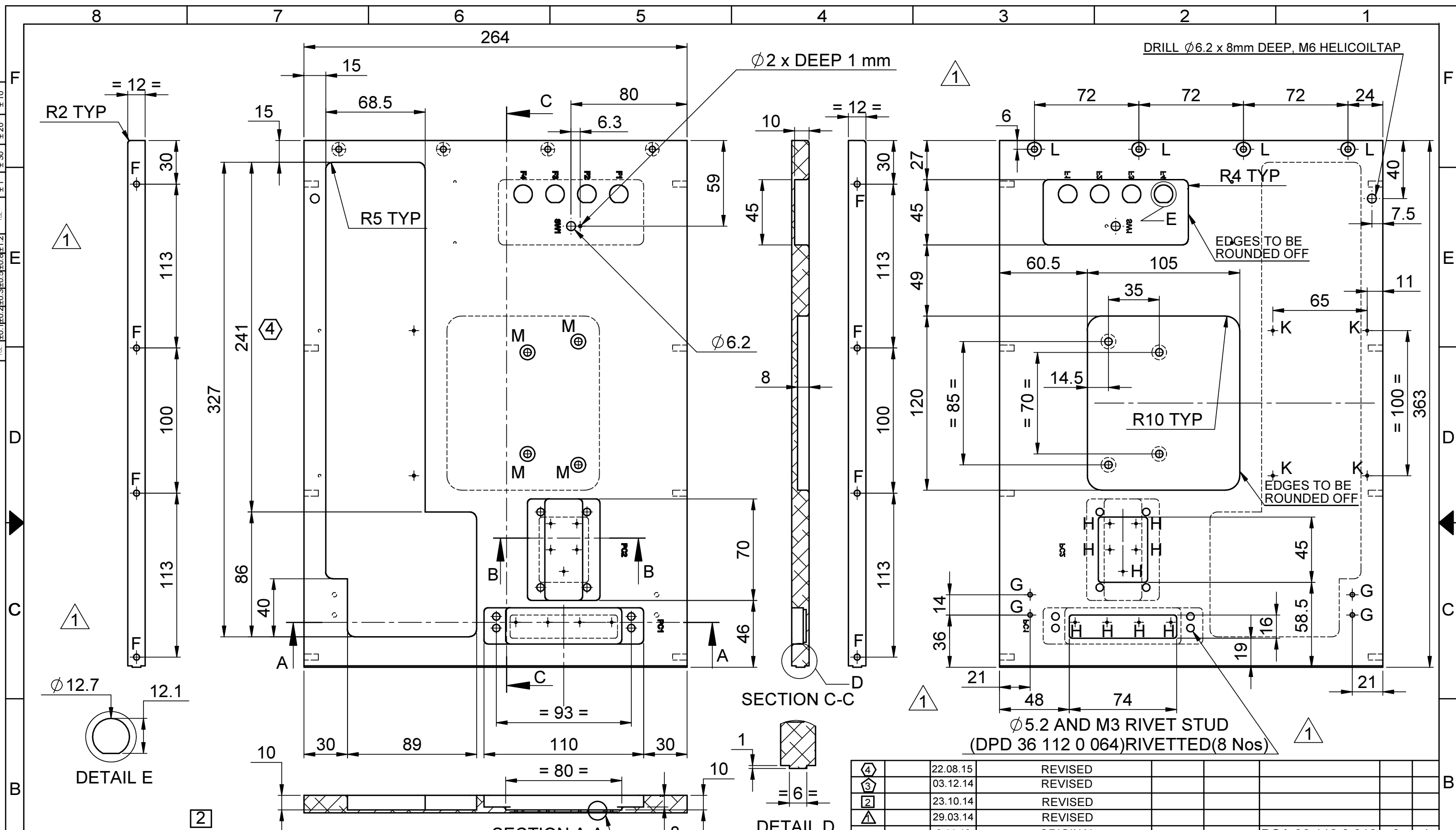
4									
3									
2	20.08.14		REVISED						
1	20.05.14		REVISED						
0	29.03.14		ORIGINAL					DMA 36 112 0 004	1 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL			FINISH	PROJ.		TOL.GEN. ± IS:2102	PRJ.		
-			SEE NOTE			TOL.AXIS. ± (MED)	112		
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
MANJULAL			mm	NTS	PROCESSOR BOX ASSEMBLY				
DATE	DATE	DATE	DRG. NUMBER		SIZE		ISSUE		
20.08.14			DSA 36 112 0 013		A3		1		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED							NO.OF SHEETS		1
							1		1

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	120	315	1000
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
ABOVE	0.5	6	30
UP TO	120	315	1000
ANGLE UP TO 90°			
ABOVE	±1°	±30'	±20'
UP TO	±0.2	±0.3	±0.5
TOL.			

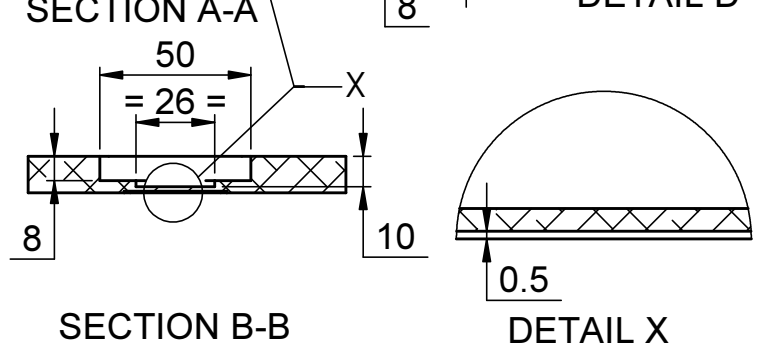


4									
3									
2	03.12.14	REVISED							
1	29.03.14	REVISED							
0	11.11.13	ORIGINAL							
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL		FINISH		PROJ.		TOL.GEN. \pm IS:2102		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS64430-WP		CC COATING		[Symbol]		TOL.AXIS. \pm (MED)		112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU	-	-	mm	NTS	TOP PLATE-PROCESSOR UNIT				
DATE	DATE	DATE	DRG. NUMBER		SIZE		ISSUE		
3.12.14			DPD 36 112 0 011		A3		1		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED							NO.OF SHEETS		
							1		1

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)	
ABOVE	LENGTH IN MM OF SHORTER SIDE OF ANGLE
0.5	6
6	30
30	120
120	315
315	1000
1000	2000
2000	UP TO
6	30
30	120
120	315
315	1000
1000	2000
2000	TOL.
±0.1	±0.2
±0.3	±0.5
±0.8	±1.2
±1	±1.5
±1.5	±2
±2	±3
±3	±4
±4	±5
±5	±6
±6	±8
±8	±10
±10	±12
±12	±15
±15	±20
±20	±25
±25	±30
±30	±40
±40	±50
±50	±60
±60	±70
±70	±80
±80	±100
±100	±120
±120	±150
±150	±200
±200	±250
±250	±300
±300	±400
±400	±500
±500	±600
±600	±700
±700	±800
±800	±1000

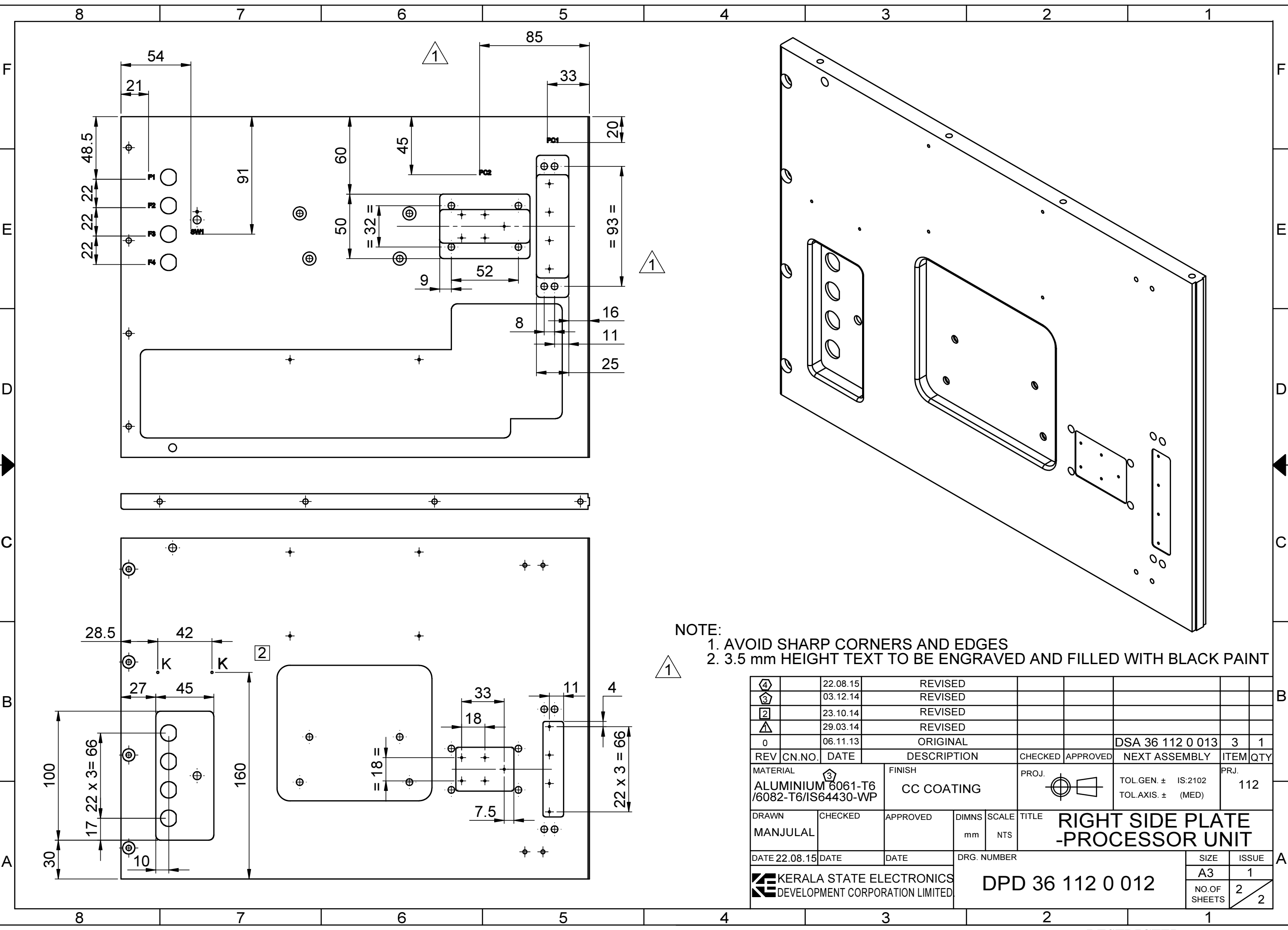


HOLE DETAILS			
SL NO	DESCRIPTION	SIZE	QTY
1	F	DRILL ϕ 4.1x10 mm DEEP AND M4 HELICOIL TAP	8
2	G	DRILL ϕ 3.1x10 mm DEEP AND M3 HELICOIL TAP	4
3	H	ϕ 1.5	9
4	K	ϕ 1.7x6mm DEEP, M2 TAP	6
5	L	ϕ 4.5 C' BORE ϕ 9 x 4 mm DEEP	4
6	M	ϕ 5.2 CSK TO ϕ 10.2	4



4	22.08.15	REVISED					
3	03.12.14	REVISED					
2	23.10.14	REVISED					
1	29.03.14	REVISED					
0	6.11.13	ORIGINAL				DSA 36 112 0 013	3 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM QTY
MATERIAL		FINISH		PROJ.		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS64430-WP		CC COATING				112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE		
MANJULAL	-	-	mm	NTS	RIGHT SIDE PLATE -PROCESSOR UNIT		
DATE	DATE	DATE	DRG. NUMBER		SIZE	ISSUE	
22.08.15			DPD 36 112 0 012		A3	1	
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED					NO.OF SHEETS	2	

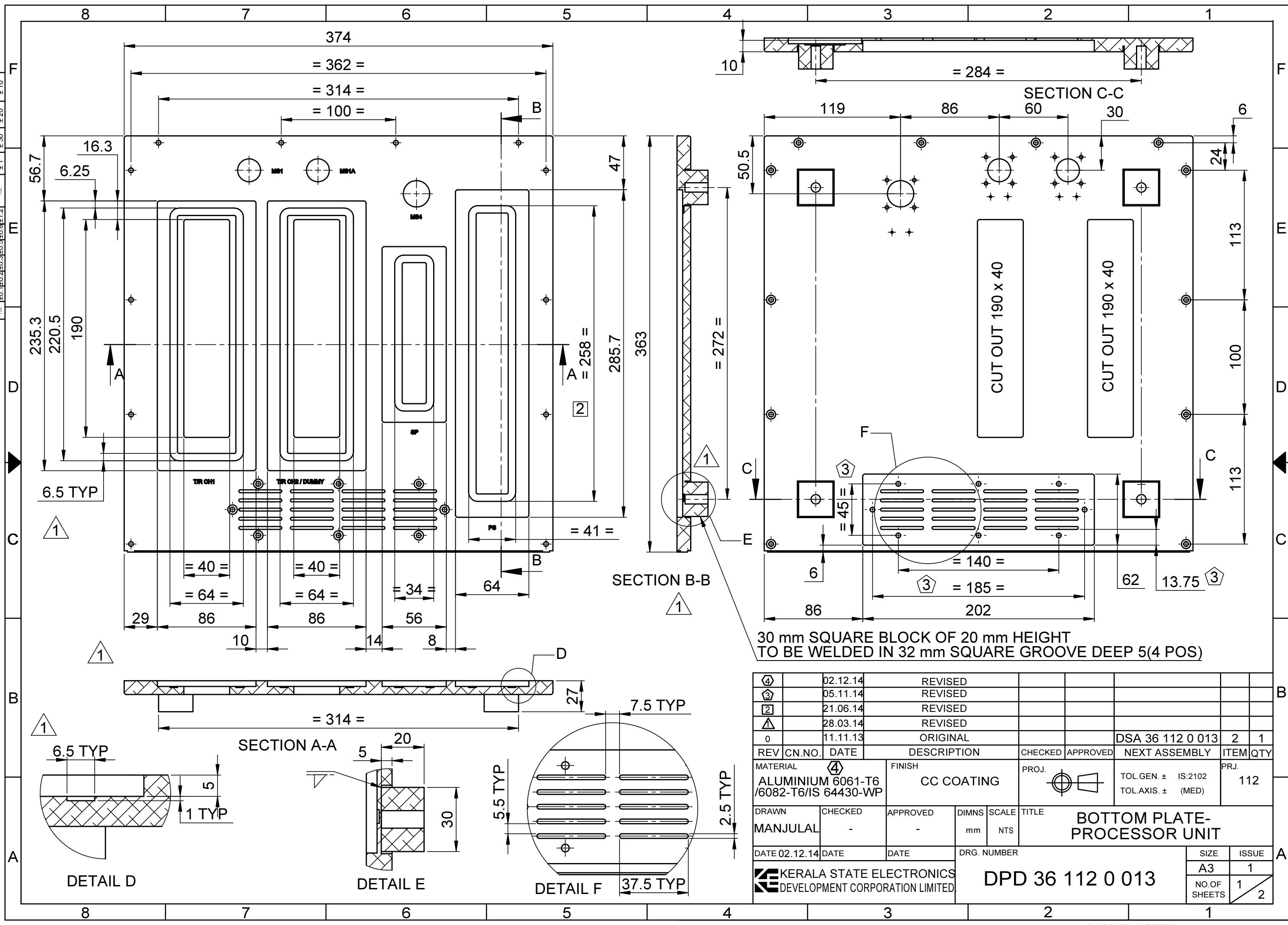
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)			
ABOVE	0.5	6	30
UP TO	120	315	1000
TOL.	± 0.1	± 0.2	± 0.5
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
ABOVE	0.5	6	30
UP TO	120	315	1000
TOL.	± 0.1	± 0.2	± 0.5



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

4	22.08.15	REVISED					
3	03.12.14	REVISED					
2	23.10.14	REVISED					
1	29.03.14	REVISED					
0	06.11.13	ORIGINAL				DSA 36 112 0 013	3 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM QTY
MATERIAL		FINISH		PROJ.		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS64430-WP		CC COATING				112	
DRAWN		CHECKED		APPROVED		TITLE	
MANJULAL						RIGHT SIDE PLATE -PROCESSOR UNIT	
DATE 22.08.15		DATE		DATE		DRG. NUMBER	
						DPD 36 112 0 012	
						SIZE	
						A3	
						ISSUE	
						1	
						NO.OF SHEETS	
						2	

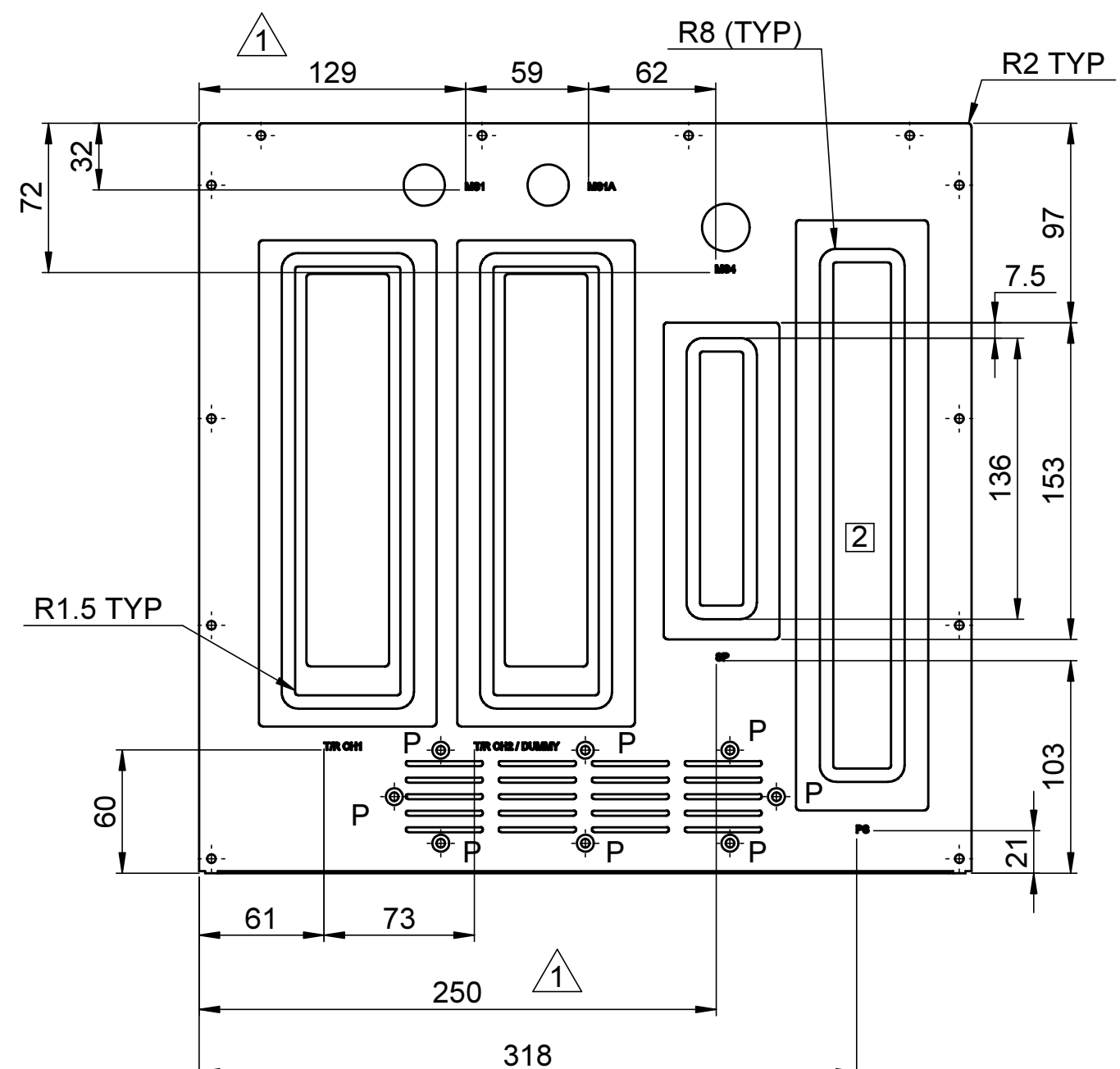
DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)	
ABOVE	LENGTH IN MM OF SHORTER SIDE OF ANGLE
0.5	6
1.0	120
1.5	315
2.0	1000
3.0	120
4.0	315
5.0	1000
6.0	120
7.0	315
8.0	1000
9.0	120
10.0	315
11.0	1000
12.0	120
13.0	315
14.0	1000
15.0	120
16.0	315
17.0	1000
18.0	120
19.0	315
20.0	1000
21.0	120
22.0	315
23.0	1000
24.0	120
25.0	315
26.0	1000
27.0	120
28.0	315
29.0	1000
30.0	120
31.0	315
32.0	1000
33.0	120
34.0	315
35.0	1000
36.0	120
37.0	315
38.0	1000
39.0	120
40.0	315
41.0	1000
42.0	120
43.0	315
44.0	1000
45.0	120
46.0	315
47.0	1000
48.0	120
49.0	315
50.0	1000
51.0	120
52.0	315
53.0	1000
54.0	120
55.0	315
56.0	1000
57.0	120
58.0	315
59.0	1000
60.0	120
61.0	315
62.0	1000
63.0	120
64.0	315
65.0	1000
66.0	120
67.0	315
68.0	1000
69.0	120
70.0	315
71.0	1000
72.0	120
73.0	315
74.0	1000
75.0	120
76.0	315
77.0	1000
78.0	120
79.0	315
80.0	1000
81.0	120
82.0	315
83.0	1000
84.0	120
85.0	315
86.0	1000
87.0	120
88.0	315
89.0	1000
90.0	120
91.0	315
92.0	1000
93.0	120
94.0	315
95.0	1000
96.0	120
97.0	315
98.0	1000
99.0	120
100.0	315



30 mm SQUARE BLOCK OF 20 mm HEIGHT TO BE WELDED IN 32 mm SQUARE GROOVE DEEP 5(4 POS)

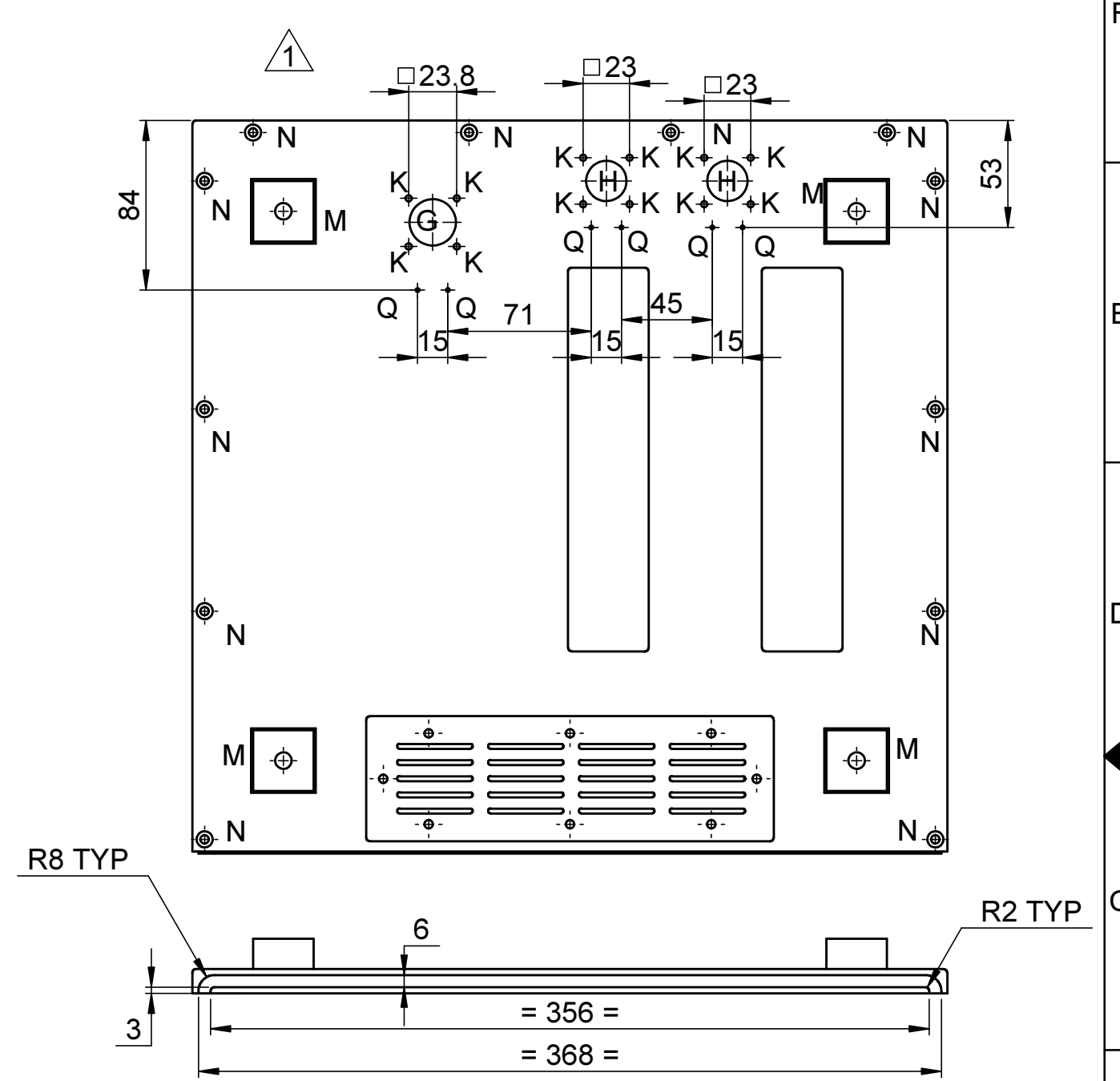
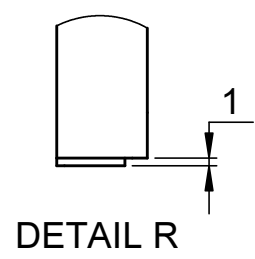
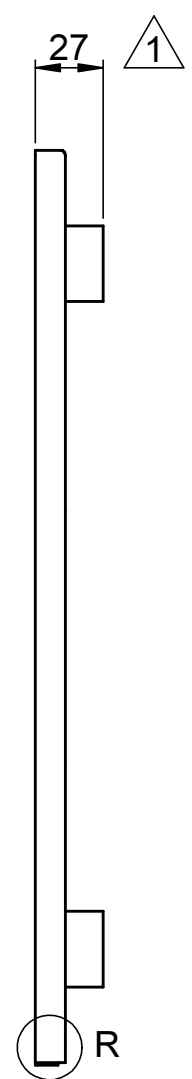
④	02.12.14	REVISED					
③	05.11.14	REVISED					
②	21.06.14	REVISED					
①	28.03.14	REVISED					
0	11.11.13	ORIGINAL			DSA 36 112 0 013	2	1
REV CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
MATERIAL	④	FINISH	PROJ.		TOL.GEN. ± IS:2102	PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP		CC COATING	①		TOL.AXIS. ± (MED)	112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE		
MANJULAL	-	-	mm	NTS	BOTTOM PLATE-PROCESSOR UNIT		
DATE 02.12.14	DATE	DATE	DRG. NUMBER		SIZE	ISSUE	
			DPD 36 112 0 013		A3	1	
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED					NO.OF SHEETS	1	2

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS: 2102 - MEDIUM)	
ABOVE	LENGTH IN MM OF SHORTER SIDE OF ANGLE
0.5	6
30	120
315	1000
UP TO	MOVIE A UP TO
6	30
120	315
1000	2000
TOL.	TOL.
±0.1	±0.3
±0.5	±1.2
±1°	±20'
±10'	

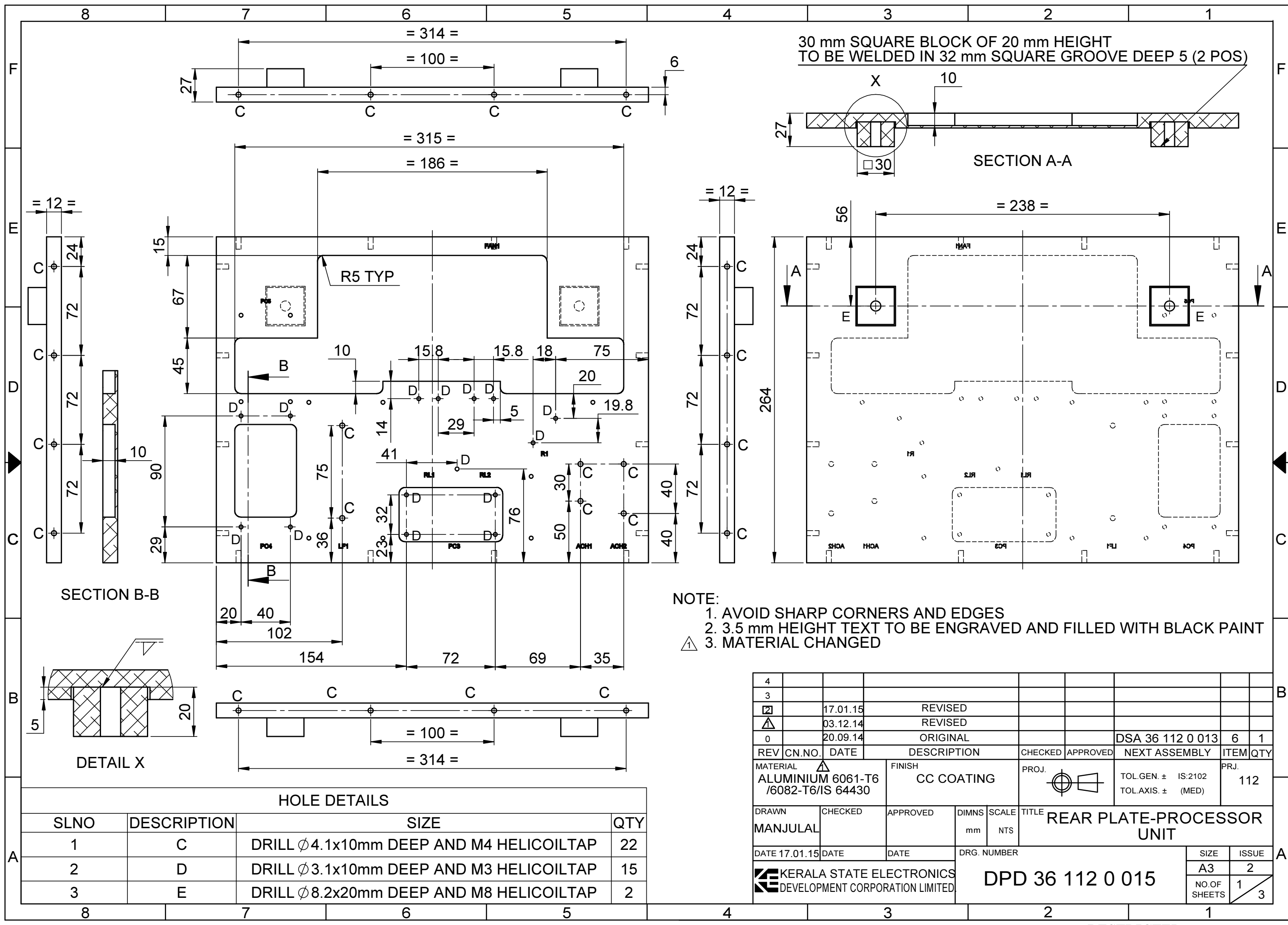


NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT

HOLE DETAILS			
SL No.	DISCRIPTION	SIZE	QTY
1	G	∅23	1
2	H	∅20	2
3	K	DRILL ∅3.1x10mm DEEP AND M3 HELICOIL TAP	12
4	M	DRILL ∅8.2 x 20 mm DEEP AND M8 HELICOIL TAP	4
5	N	∅4.5 C' BORE ∅9 x 4 mm DEEP	12
6	P	∅4.2 CSK TO ∅8.2	8
7	Q	M2 TAP x 6 mm DEEP	6



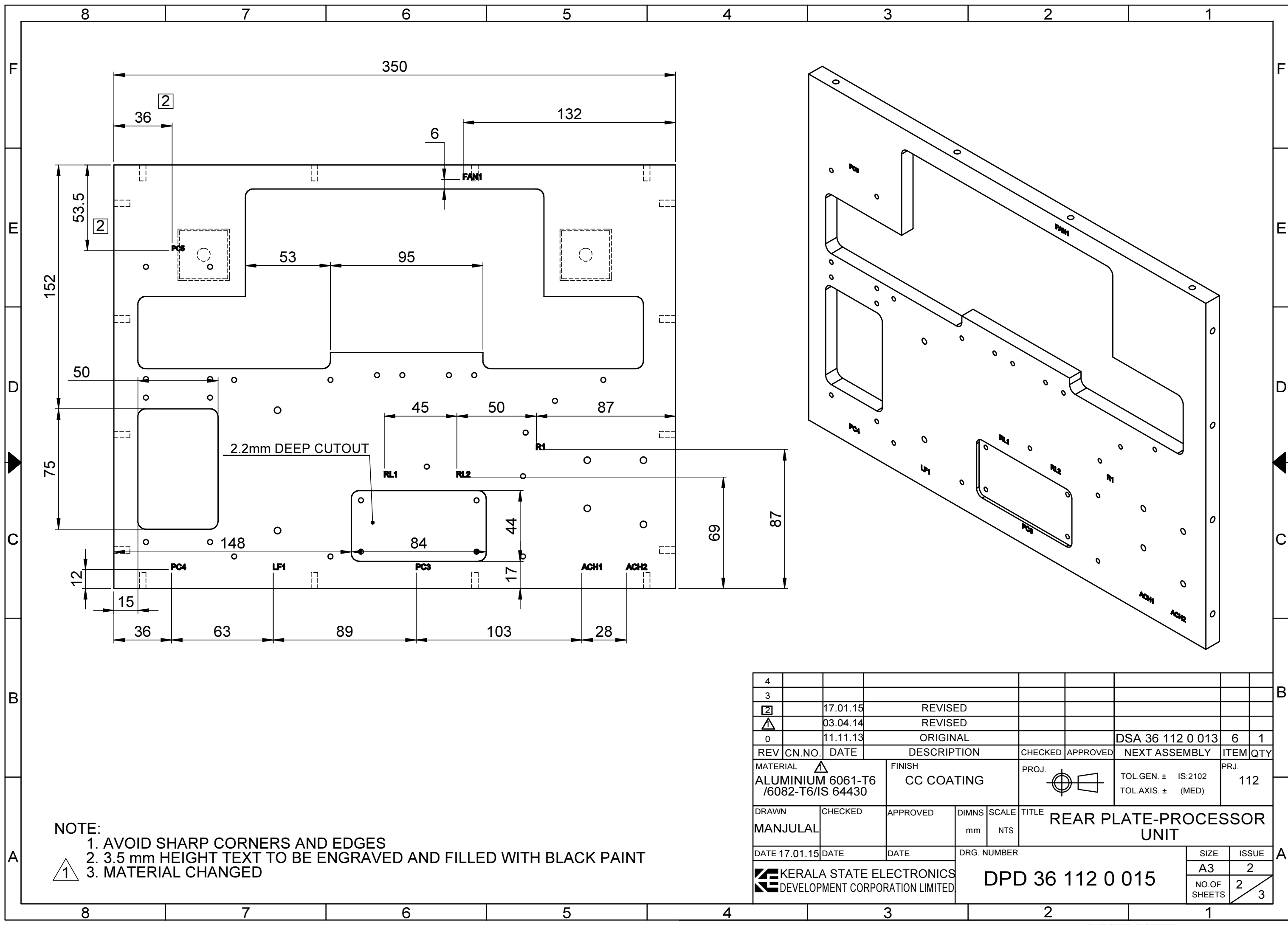
④	02.12.14	REVISED							
③	05.11.14	REVISED							
②	21.06.14	REVISED							
①	28.03.14	REVISED							
0	11.11.13	ORIGINAL						DSA 36 112 0 013	2 1
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
MATERIAL		④	FINISH	PROJ.		TOL.GEN. ±	IS:2102	PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP		CC COATING				TOL.AXIS. ±	(MED)	112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
MANJULAL	-	-	mm	NTS	BOTTOM PLATE-PROCESSOR UNIT				
DATE	02.12.14	DATE	DATE	DRG. NUMBER		SIZE		ISSUE	
				DPD 36 112 0 013		A3		1	
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED						NO.OF SHEETS		2	
						2		2	



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT
 3. MATERIAL CHANGED

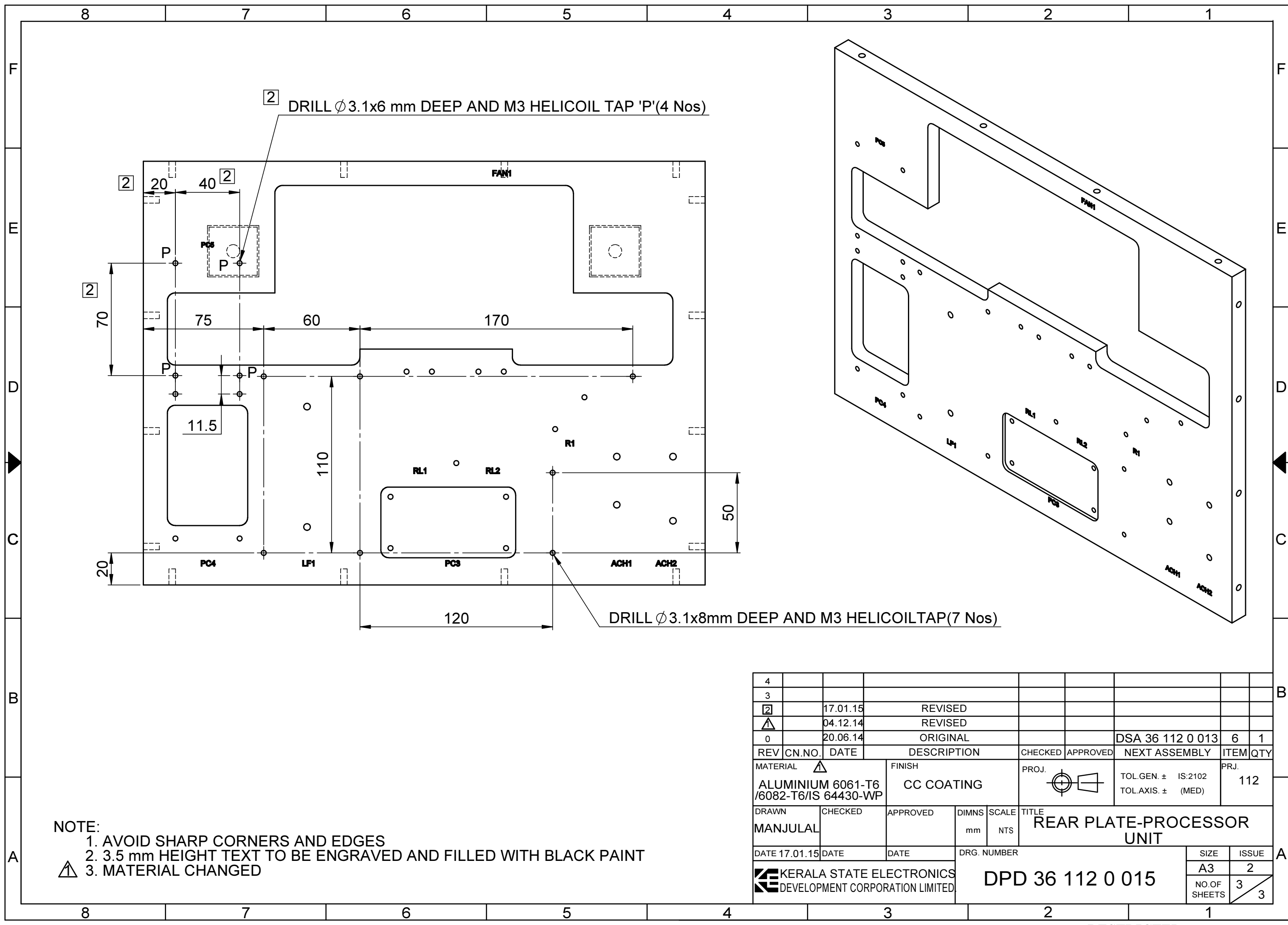
HOLE DETAILS			
SLNO	DESCRIPTION	SIZE	QTY
1	C	DRILL Ø4.1x10mm DEEP AND M4 HELICOILTAP	22
2	D	DRILL Ø3.1x10mm DEEP AND M3 HELICOILTAP	15
3	E	DRILL Ø8.2x20mm DEEP AND M8 HELICOILTAP	2

4									
3									
2	17.01.15		REVISED						
1	03.12.14		REVISED						
0	20.09.14		ORIGINAL						
REV	CN.NO.	DATE	DESCRIPTION	CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY	
						DSA 36 112 0 013	6	1	
MATERIAL		FINISH		PROJ.		TOL.GEN. ± IS:2102		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430		CC COATING				TOL.AXIS. ± (MED)		112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
MANJULAL			mm	NTS	REAR PLATE-PROCESSOR UNIT				
DATE	DATE	DATE	DRG. NUMBER		SIZE		ISSUE		
17.01.15			DPD 36 112 0 015		A3		2		
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED					NO.OF SHEETS		1		
					3				



NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT
 3. MATERIAL CHANGED

4											
3											
2		17.01.15		REVISED							
1		03.04.14		REVISED							
0		11.11.13		ORIGINAL					DSA 36 112 0 013	6	1
REV	CN.NO.	DATE		DESCRIPTION	CHECKED	APPROVED		NEXT ASSEMBLY	ITEM	QTY	
MATERIAL		FINISH		PROJ.	TOL.GEN. ± IS:2102		PRJ.				
ALUMINIUM 6061-T6 /6082-T6/IS 64430		CC COATING			TOL.AXIS. ± (MED)		112				
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE						
MANJULAL			mm	NTS	REAR PLATE-PROCESSOR UNIT						
DATE	DATE	DATE	DRG. NUMBER		SIZE		ISSUE				
17.01.15			DPD 36 112 0 015		A3		2				
KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED		NO.OF SHEETS		2		3					



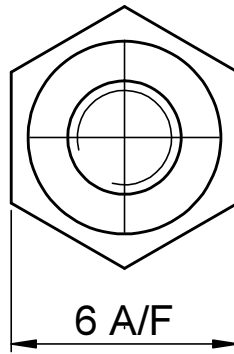
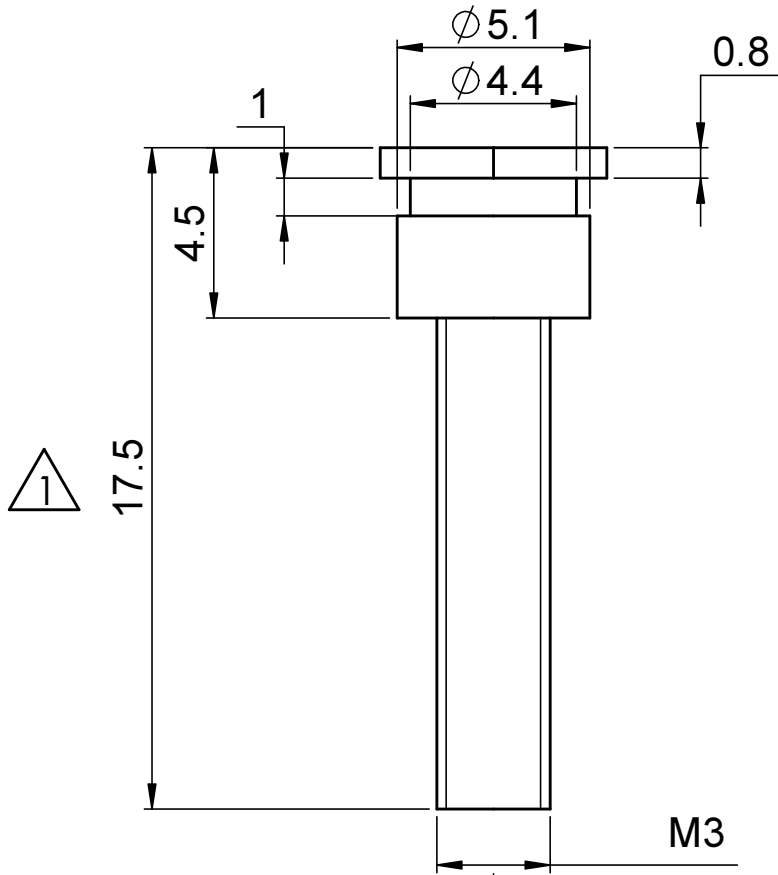
2 DRILL ϕ 3.1x6 mm DEEP AND M3 HELICOIL TAP 'P'(4 Nos)

DRILL ϕ 3.1x8mm DEEP AND M3 HELICOILTAP(7 Nos)

NOTE:
 1. AVOID SHARP CORNERS AND EDGES
 2. 3.5 mm HEIGHT TEXT TO BE ENGRAVED AND FILLED WITH BLACK PAINT
 3. MATERIAL CHANGED

4										
3										
2		17.01.15		REVISED						
1		04.12.14		REVISED						
0		20.06.14		ORIGINAL				DSA 36 112 0 013	6	1
REV	CN.NO.	DATE		DESCRIPTION	CHECKED	APPROVED		NEXT ASSEMBLY	ITEM	QTY
MATERIAL \triangle				FINISH	PROJ.			TOL.GEN. \pm IS:2102	PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP				CC COATING				TOL.AXIS. \pm (MED)	112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE					
MANJULAL			mm	NTS	REAR PLATE-PROCESSOR UNIT					
DATE 17.01.15	DATE	DATE	DRG. NUMBER			SIZE		ISSUE		
			KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED			DPD 36 112 0 015		A3		2
								NO.OF SHEETS		3

4 3 2 1

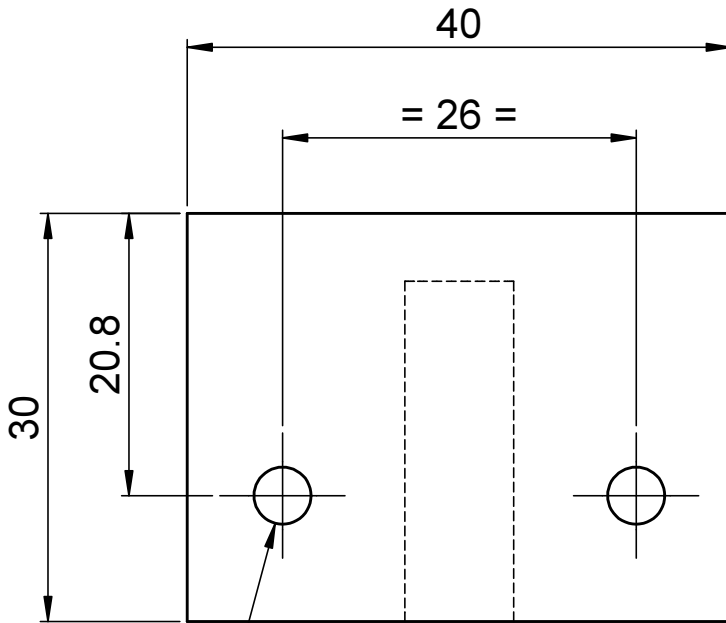


DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS:2102-MEDIUM)

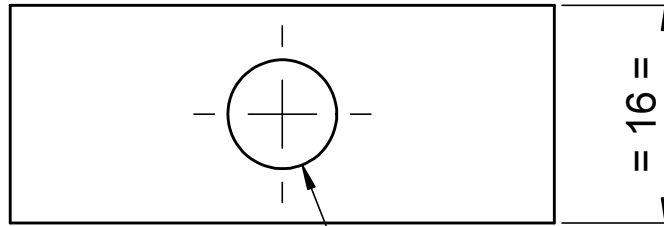
ABOVE	0.5	6	30	120	315	1000	LENGTH IN mm OF SHORTER SIDE OF ANGLE
UP TO	6	30	120	315	1000	2000	ABOVE & UP TO
TOL.	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	TOL.
				±1°	±30'	±20'	±10'

4									
3									
2									
1	△	29.10.14	REVISED						
0		25.04.14	ORIGINAL				DSA 36 112 0 013	4	8
REV	CN.NO.	DATE	DESCRIPTION		CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
MATERIAL		FINISH		PROJ.	TOL.GEN. ± IS:2102		PRJ.		
S.S IS:6603-04 Cr 18 Ni10		-			TOL.AXIS ± (MED)		112		
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
MANJULAL			mm	NTS	M3 RIVET STUD				
DATE 29.10.14	DATE	DATE	DRG. NUMBER				SIZE	ISSUE	
			DPD 36 112 0 064				A4	1	
							NO.OF SHEETS	1	
								1	

4 3 2 1



DRILL $\phi 4.1 \times 10$ mm DEEP
AND M4 HELICOIL TAP(2 Nos)

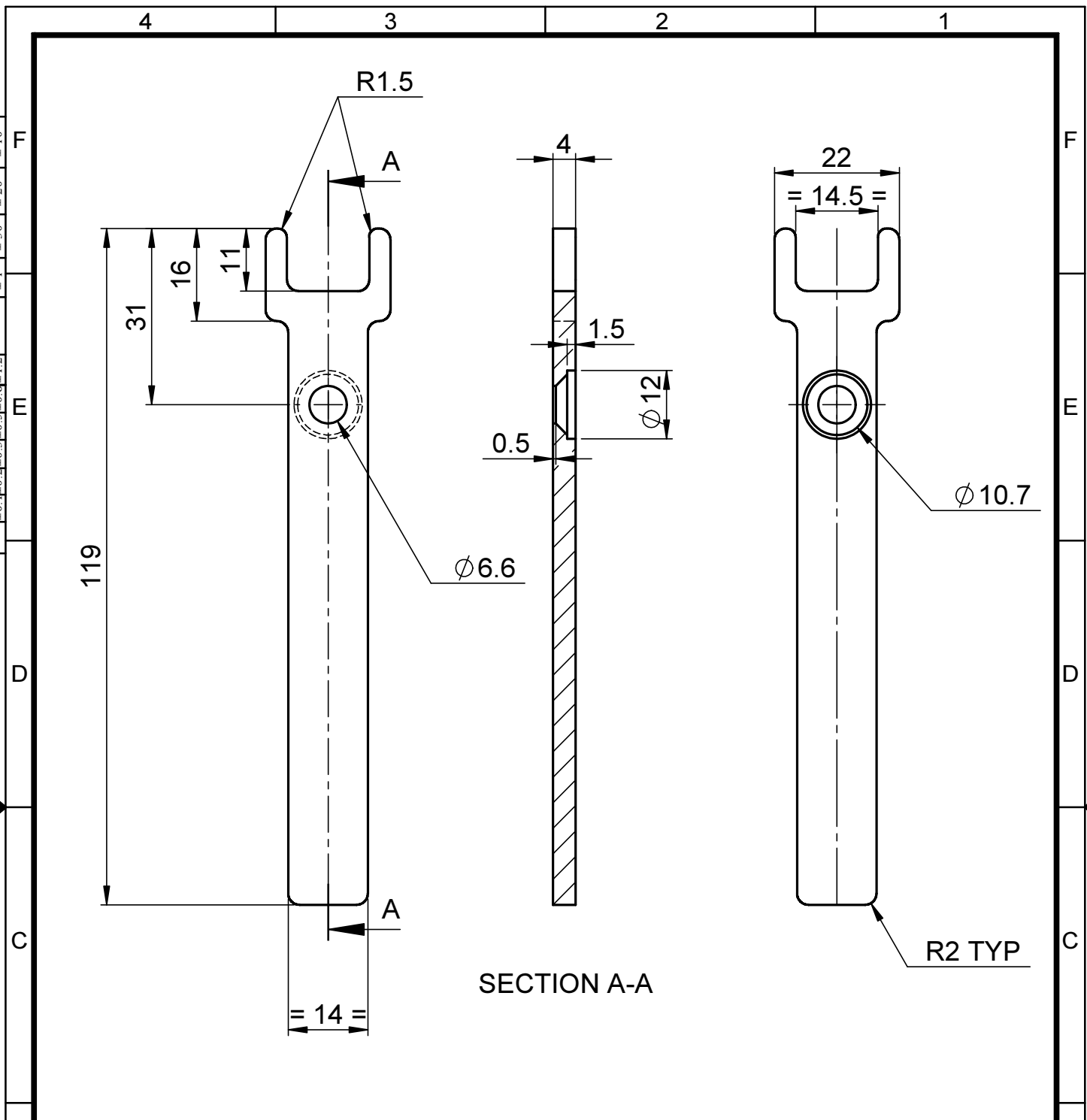


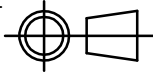

DRILL $\phi 8.2 \times 20$ mm DEEP
AND M8 HELICOIL TAP

NOTE:
AVOID SHARP CORNERS AND EDGES

4									
3									
2									
1		02.12.14	REVISED						
0		25.04.14	ORIGINAL				DMA 36 112 0 004	30	3
REV	CN.NO.	DATE	DESCRIPTION		CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
MATERIAL			FINISH		PROJ.	TOL.GEN. \pm IS:2102		PRJ.	
ALUMINIUM 6061-T6 /6082-T6/IS 64430-WP			CC COATING			TOL.AXIS. \pm (MED)		112	
DRAWN	CHECKED	APPROVED	DIMNS	SCALE	TITLE				
NANDHU			mm	NTS	BLOCK-1				
DATE	02.12.14	DATE	DATE	DRG. NUMBER				SIZE	ISSUE
				DPD 36 112 0 055				A4	1
							NO.OF SHEETS	1	
								1	

DEVIATION FOR NON-TOLERANCED DIMENSIONS (IS:2102-MEDIUM)			
ABOVE	0.5	6	30
UP TO	6	30	120
TOL.	±0.1	±0.2	±0.3
LENGTH IN mm OF SHORTER SIDE OF ANGLE			
ABOVE	0.5	6	30
UP TO	6	30	120
TOL.	±1°	±30'	±20'



4										
3										
2										
1										
0		05.05.14	ORIGINAL				DSA 36 112 0 015	1	1	
REV	CN.NO.	DATE	DESCRIPTION			CHECKED	APPROVED	NEXT ASSEMBLY	ITEM	QTY
MATERIAL		FINISH		PROJ.		TOL.GEN. \pm IS:2102		PRJ.		
SS		-				TOL.AXIS. \pm (MED)		112		
DRAWN	CHECKED	APPROVED		DIMNS	SCALE	TITLE				
NANDHU				mm	NTS	SPECIAL SPANNER				
DATE	05.05.14	DATE	DATE	DRG. NUMBER			SIZE	ISSUE		
				DPD 36 112 0 065			A4	1		
							NO.OF SHEETS	1		
								1		