

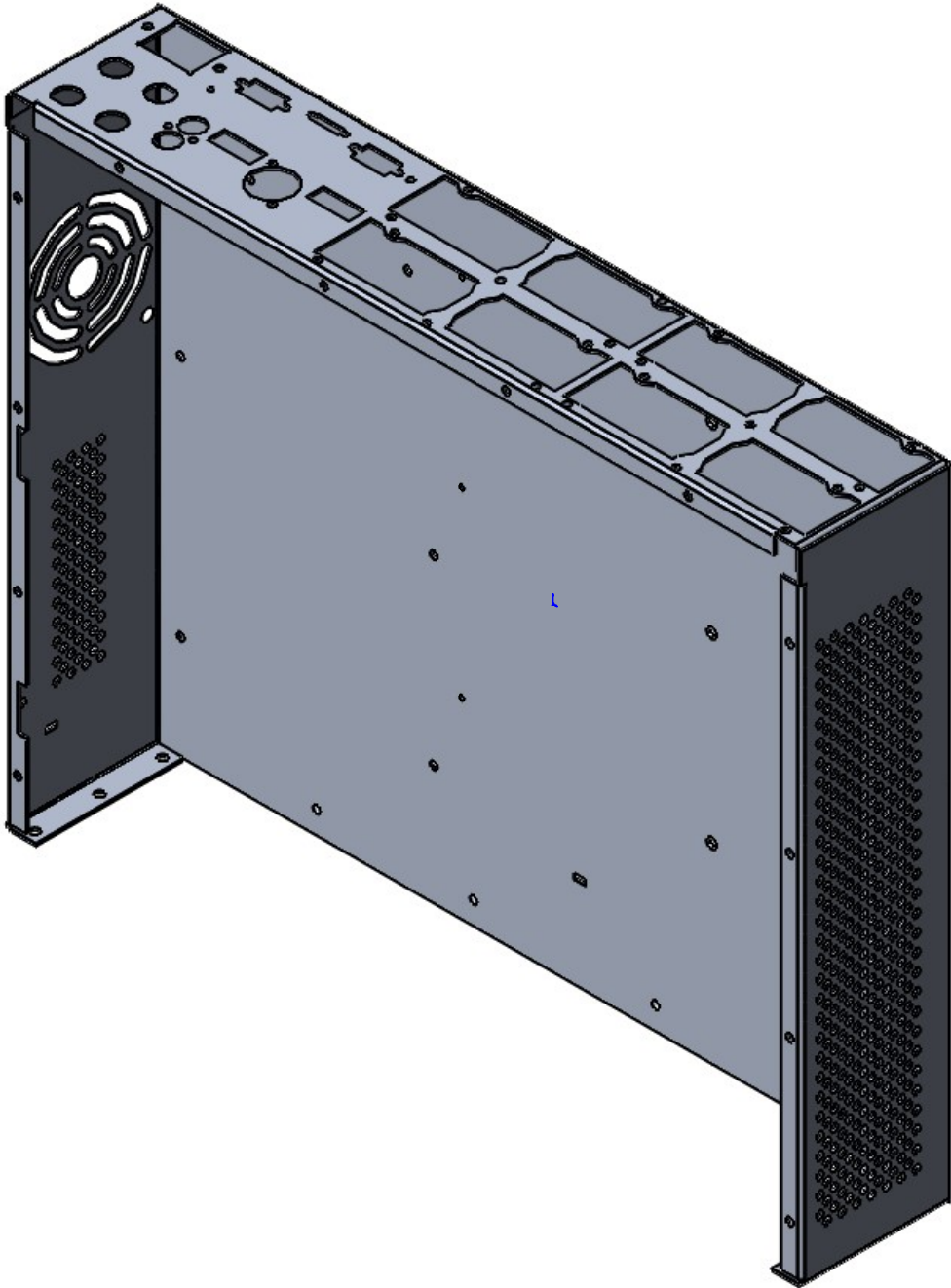
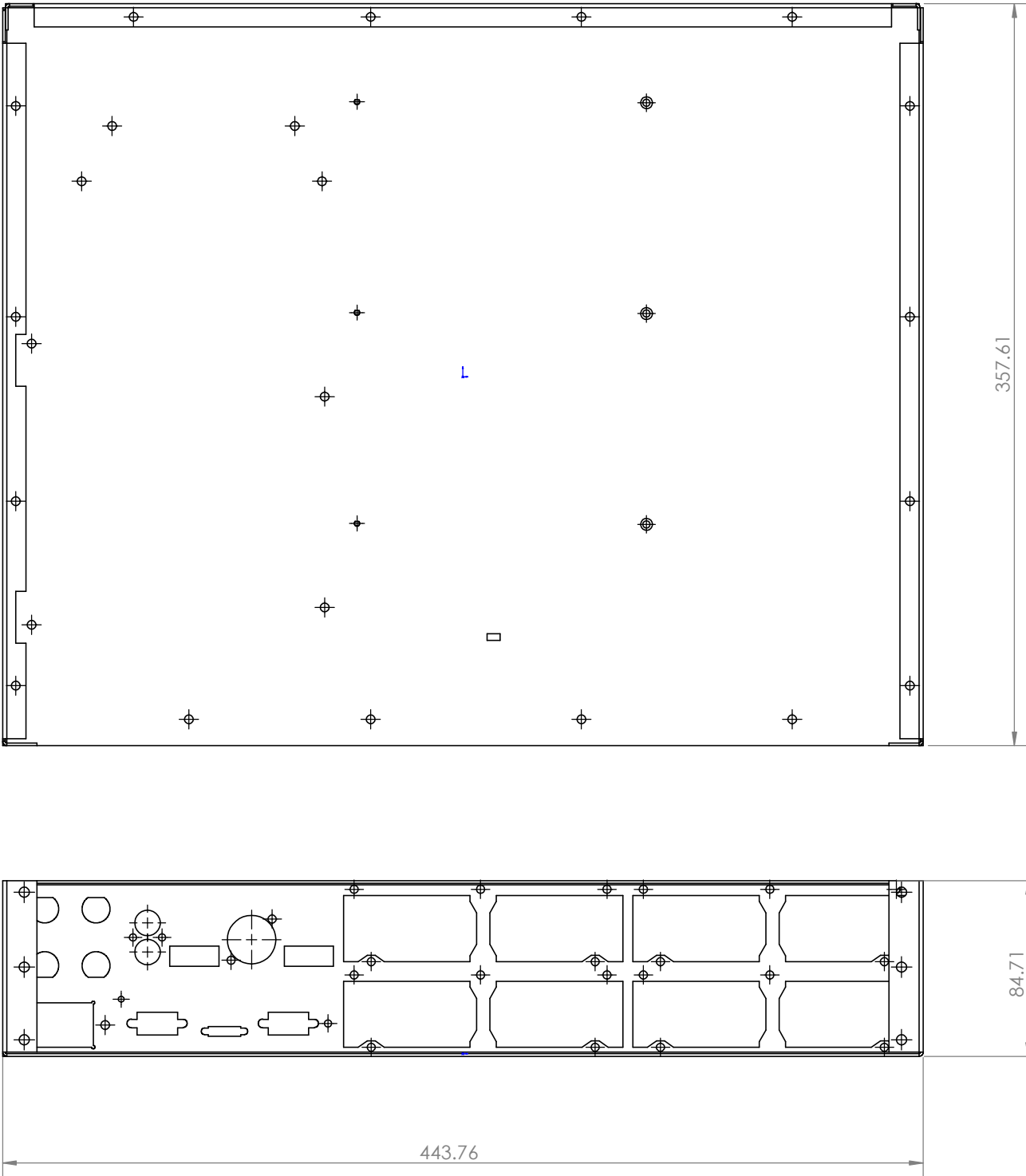
D

C

B

A

NOTES:
1. MATERIAL: 6061 Alloy
2. STOCK SIZE: X
3. FINISH: NONE



UNLESS OTHERWISE SPECIFIED		SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY		PORTFOLIO: SHOWCASE MY SKILLS	
DO NOT SCALE DRAWING		PROPRIETARY		TITLE	
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994		NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF Coneastoga College.		Housing	
DIMENSIONS ARE IN MILLIMETRES		CUSTOMER		SM-0004 -	
TOLERANCES APPLY AS SHOWN BELOW		Edit Model Properties		REVISION	
0 PL DEC ±0.5		PROJECT		SIZE	
1 PL DEC ±0.25		Edit Model Properties		DRAWING NO	
2 PL DEC ±0.13		DATE		C	
3 PL DEC ±0.05		DATE		SCALE	
ANGLES ±.1°		DATE		1:2	
SURFACE ROUGHNESS: 1.6 µm		DATE		WEIGHT	
THIRD ANGLE PROJECTION		DRAWN BY		816.80 g	
		Kayode Orimoloye		SHEET 1 OF 2	
		CHECKED BY			
		Edit Model Properties			
		DATE			
		DATE			
		DATE			

NOTES:
1. MATERIAL: 6061 Alloy
2. STOCK SIZE: X
3. FINISH: NONE


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

HOLE TABLE

TAG	X LOC	Y LOC	SIZE	TAG	X LOC	Y LOC	SIZE
A1	-4.49	43.58	Ø 4.22 THRU	J3	361.87	27.35	Ø 3.45 THRU Ø 6.40 X 82°
A2	-4.49	132.48	Ø 4.22 THRU	J4	463.47	27.35	Ø 3.45 THRU Ø 6.40 X 82°
A3	-4.49	221.38	Ø 4.22 THRU	K1	192.96	416.73	Ø 3.91 THRU
A4	-4.49	322.98	Ø 4.22 THRU	K2	212.77	436.59	Ø 3.91 THRU
A5	7.89	72.39	Ø 4.22 THRU	K3	252.29	409.64	Ø 3.91 THRU
A6	7.89	204.52	Ø 4.22 THRU	K4	252.29	450.92	Ø 3.91 THRU
A7	92.29	385.51	Ø 4.22 THRU	K5	260.54	374.77	Ø 3.91 THRU
A8	96.82	72.88	Ø 4.22 THRU	K6	260.54	416.05	Ø 3.91 THRU
A9	96.82	208.43	Ø 4.22 THRU	K7	313.25	409.64	Ø 3.91 THRU
A10	120.95	286.66	Ø 4.22 THRU	K8	313.25	450.92	Ø 3.91 THRU
A11	132.29	385.51	Ø 4.22 THRU	K9	368.49	374.77	Ø 3.91 THRU
A12	135.63	313.33	Ø 4.22 THRU	K10	368.49	416.05	Ø 3.91 THRU
A13	145.97	459.60	Ø 4.22 THRU	K11	374.21	409.64	Ø 3.91 THRU
A14	223.69	313.33	Ø 4.22 THRU	K12	374.21	450.92	Ø 3.91 THRU
A15	236.82	286.66	Ø 4.22 THRU	K13	391.74	409.64	Ø 3.91 THRU
A16	238.09	81.28	Ø 4.22 THRU	K14	391.74	450.92	Ø 3.91 THRU
A17	238.09	182.88	Ø 4.22 THRU	K15	399.99	374.77	Ø 3.91 THRU
A18	260.27	459.60	Ø 4.22 THRU	K16	399.99	416.05	Ø 3.91 THRU
A19	361.87	459.60	Ø 4.22 THRU	K17	452.70	409.64	Ø 3.91 THRU
A20	463.47	459.60	Ø 4.22 THRU	K18	452.70	450.92	Ø 3.91 THRU
A21	613.95	43.58	Ø 4.22 THRU	K19	507.94	374.77	Ø 3.91 THRU
A22	613.95	132.48	Ø 4.22 THRU	K20	507.94	416.05	Ø 3.91 THRU
A23	613.95	221.38	Ø 4.22 THRU	K21	513.66	409.64	Ø 3.91 THRU
A24	613.95	322.98	Ø 4.22 THRU	K22	513.66	450.92	Ø 3.91 THRU
B1	5.59	6.10	Ø 4.91 THRU	L1	202.87	426.66	Ø 23.42 THRU
B2	41.66	6.10	Ø 4.91 THRU	M1	253.69	121.77	Ø 2.26 THRU 4-40 UNC THRU
B3	76.71	6.10	Ø 4.91 THRU	M2	253.69	223.37	Ø 2.26 THRU 4-40 UNC THRU
B4	532.75	6.10	Ø 4.91 THRU	M3	253.69	324.97	Ø 2.26 THRU 4-40 UNC THRU
B5	567.80	6.10	Ø 4.91 THRU	N1	393.25	121.31	Ø 3.45 THRU Ø 5.72 X 100°
B6	603.87	6.10	Ø 4.91 THRU	N2	393.25	222.91	Ø 3.45 THRU Ø 5.72 X 100°
C1	7.04	225	Ø 5.11 THRU Ø 9.78 X 100°	N3	393.25	324.51	Ø 3.45 THRU Ø 5.72 X 100°
C2	7.04	296.50	Ø 5.11 THRU Ø 9.78 X 100°				
C3	77.54	225	Ø 5.11 THRU Ø 9.78 X 100°				
C4	77.54	296.50	Ø 5.11 THRU Ø 9.78 X 100°				
D1	42.29	260.75	Ø 19.69 THRU				
F1	140	397.96	Ø 2.82 THRU				
G1	145.70	427.69	Ø 3.45 THRU				
G2	159.70	427.69	Ø 3.45 THRU				
G3	239.72	386.28	Ø 3.45 THRU				
H1	152.70	420.69	Ø 12.30 THRU				
H2	152.70	434.69	Ø 12.30 THRU				
J1	172.64	27.35	Ø 3.45 THRU Ø 6.40 X 82°				
J2	260.27	27.35	Ø 3.45 THRU Ø 6.40 X 82°				

BEND TABLE

Tag	Direction	Angle	Inner Radius
A	UP	90°	0.74
B	UP	90°	0.74
C	UP	90°	0.74
D	UP	90°	0.74
E	UP	90°	0.74
F	UP	90°	0.74
G	UP	90°	0.74
H	UP	90°	0.74
J	UP	90°	0.74
K	UP	90°	0.74

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DO NOT SCALE DRAWING		PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF Conestoga College.		TITLE		
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994		CUSTOMER Edit Model Properties		Housing		
DIMENSIONS ARE IN MILLIMETRES TOLERANCES APPLY AS SHOWN BELOW		PROJECT Edit Model Properties				
0 PL DEC	± 0.5	DRAWN BY Kayode Orimoloye		SIZE	DRAWING NO	
1 PL DEC	± 0.25	CHECKED BY Edit Model Properties		D	SM-0004	
2 PL DEC	± 0.13	APPROVED				REVISION
3 PL DEC	± 0.05	Edit Model Properties				-
ANGLES	± 1°	DATE YYYY-MM-DD		SCALE	1:2	
SURFACE ROUGHNESS	1.6 µm	DATE YYYY-MM-DD		WEIGHT	816.80 g	
THIRD ANGLE PROJECTION				SHEET 2 OF 2		