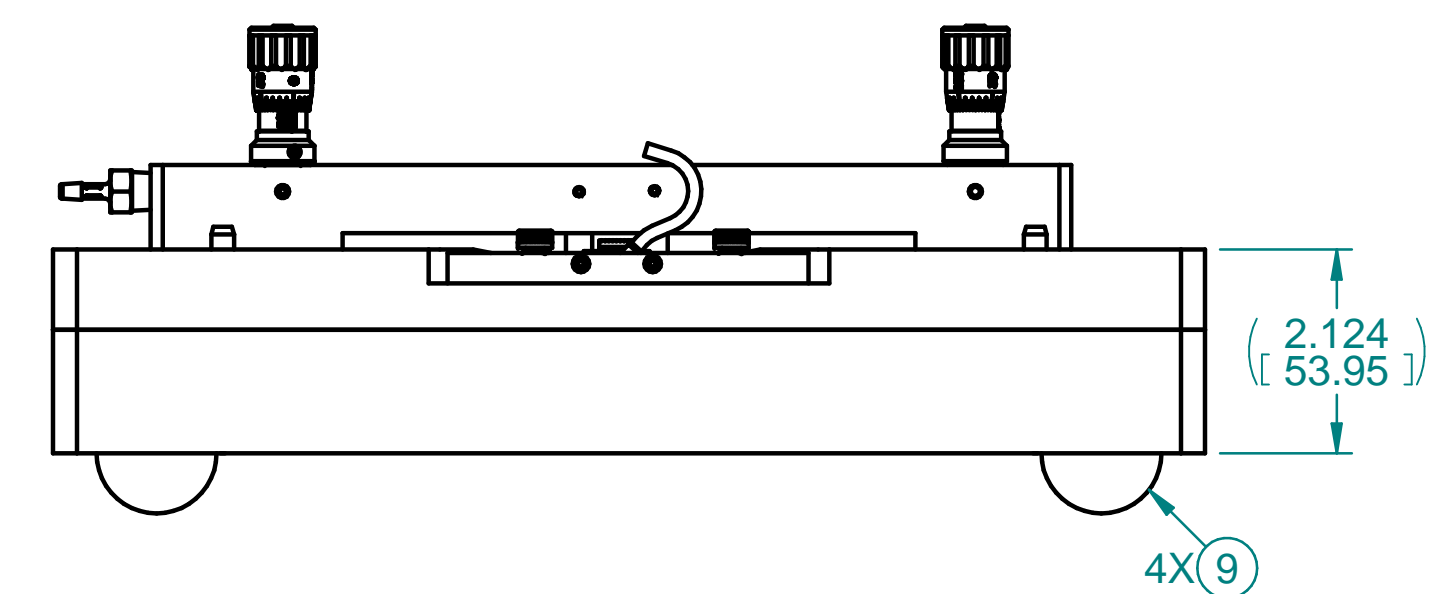
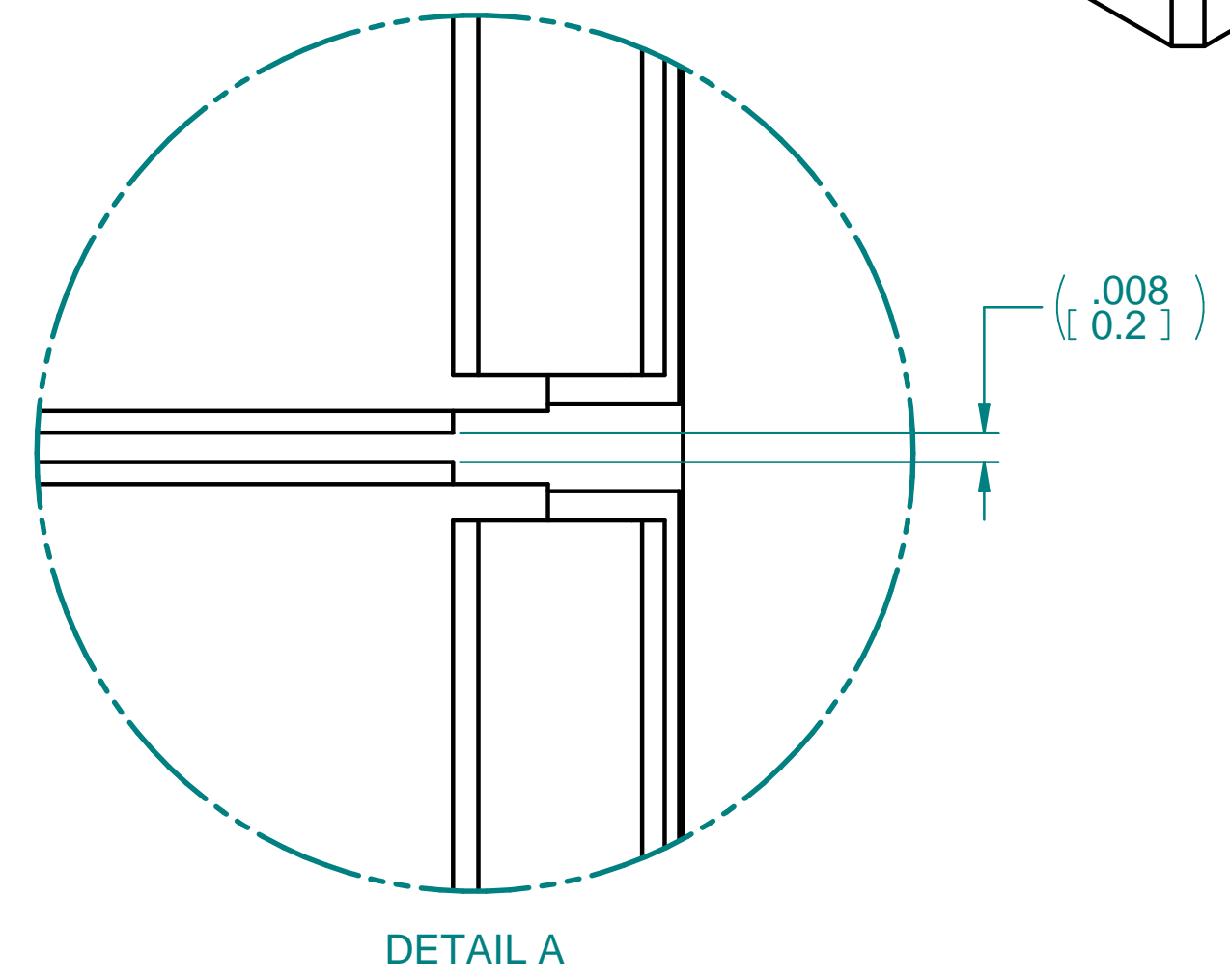
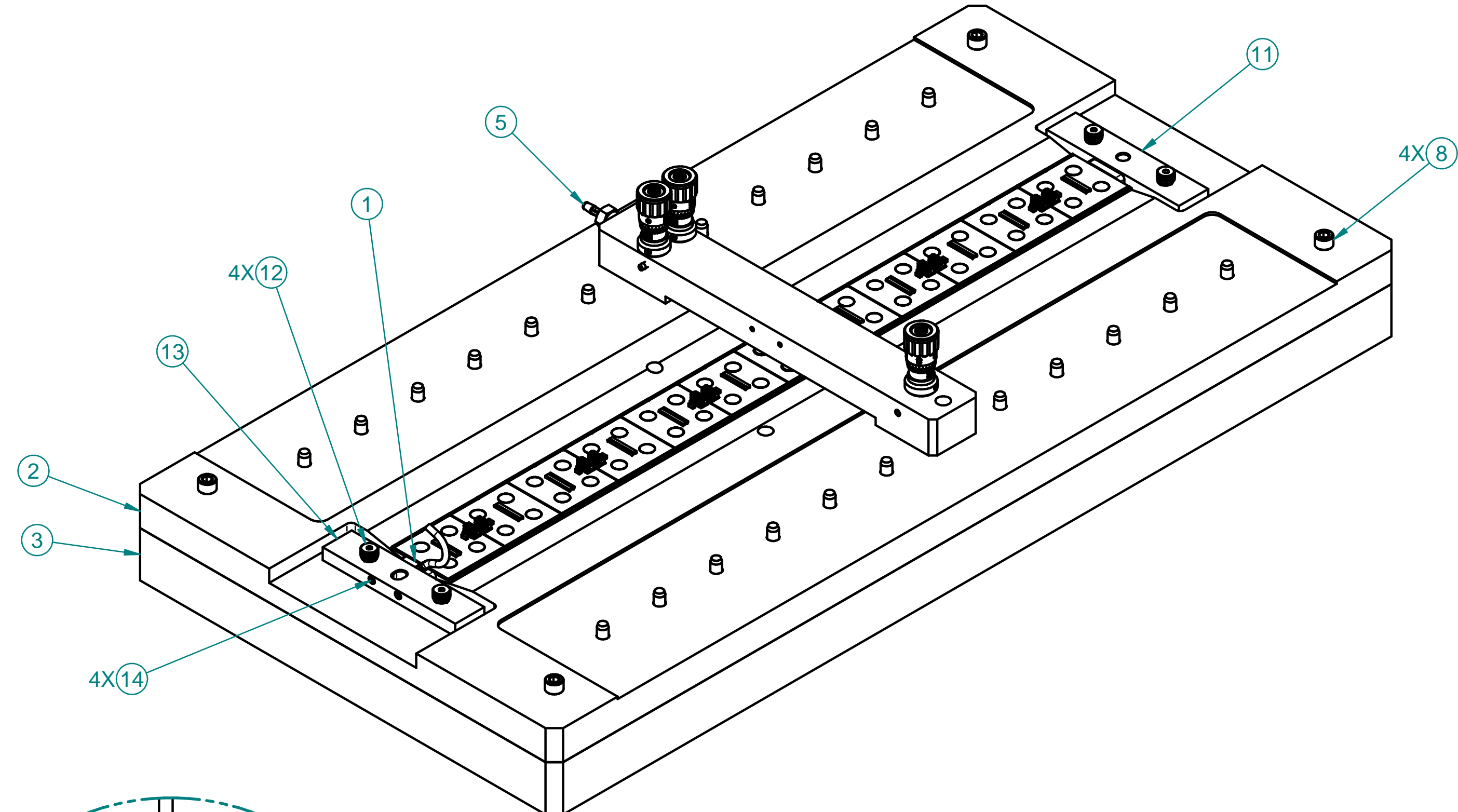
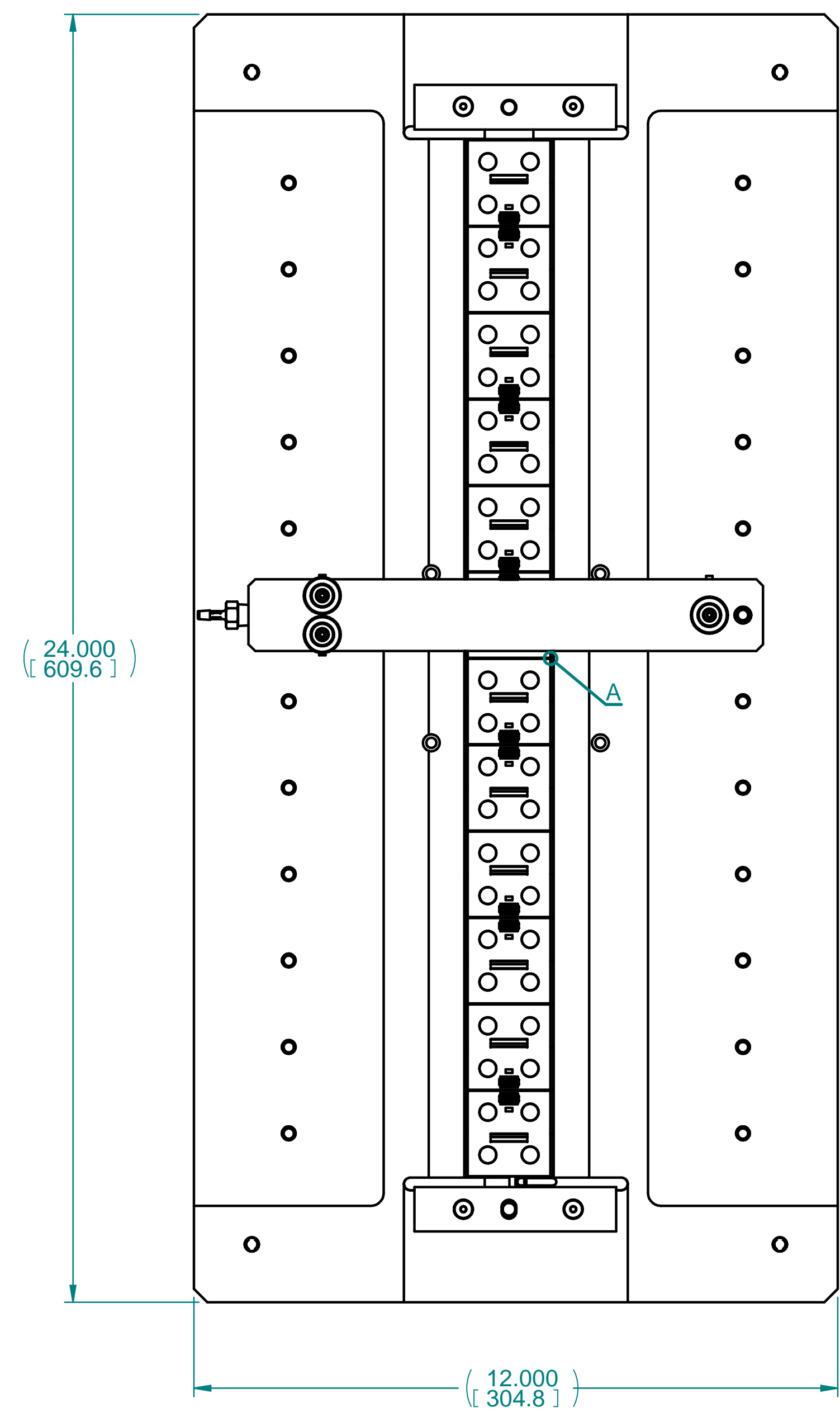


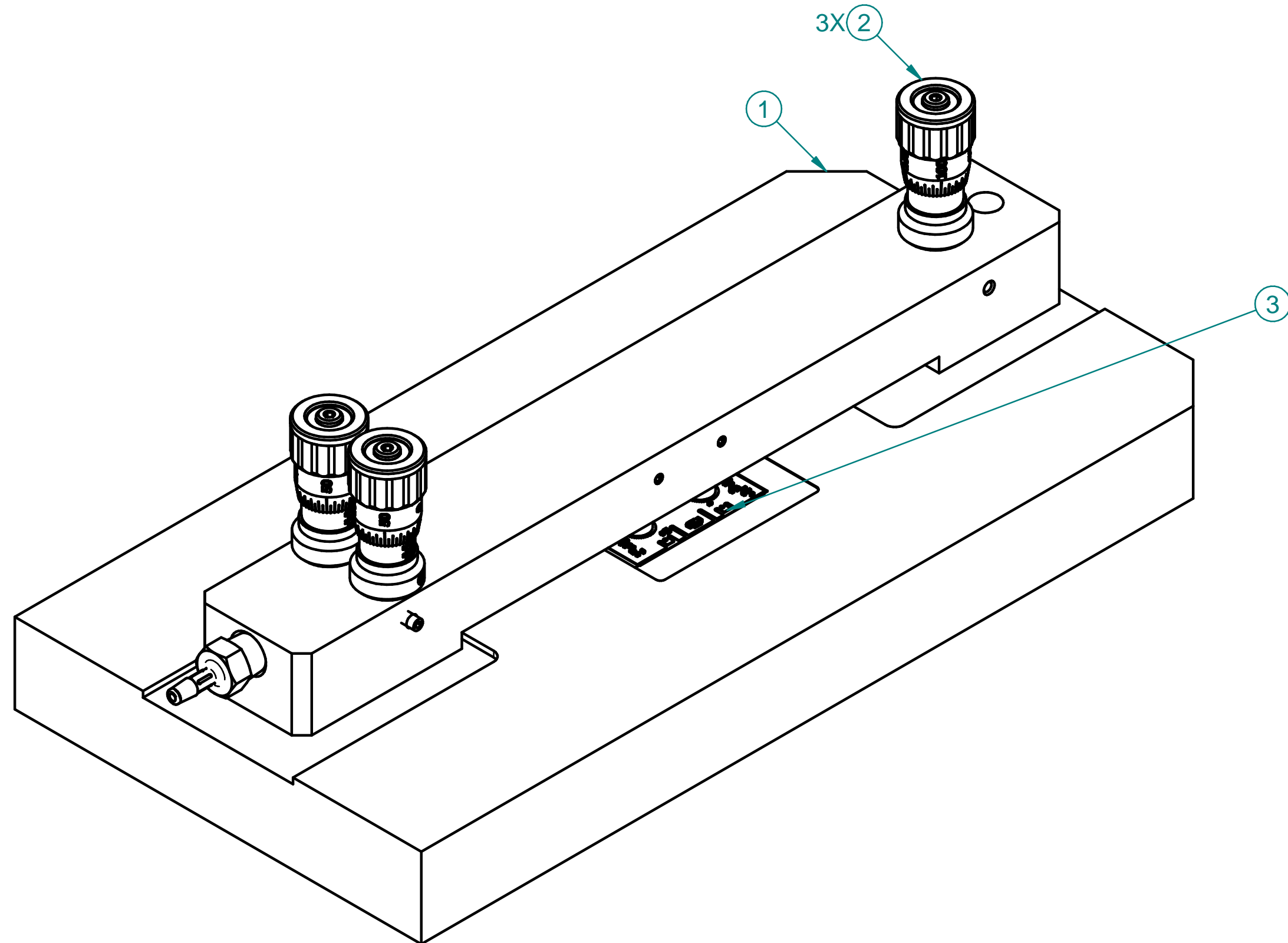
REF-00130459	1					
REV	DESCRIPTION	DWN	CHK	RAP	PVD	DATE
A	INITIAL RELEASE	SN				15DEC 2020





ITEM	PART NO.	DESCRIPTION	QTY
14	MCMASTER 91292A336	SHCS, M2, 22 LENGTH, SST	4
13	REF-000130646	MOUNTING, STAVE TO HF, INNER, 19-1, FAR SIDE	1
12	THORLABS SLH1-M	SHOULDER SCREW AND SPRING	4
11	REF-000130209	MOUNTING, STAVE TO HF, INNER, 19-1	1
9	MCMASTER 8215K233	BUMPER, .63IN HT, POLYURETHANE	4
8	REF-000108648	SHCS, 0.25-20, .875LG, 18-8SST	4
5	DSG-000014490	L1 19-1 LOADING JIG	1
3	DSG-000014487	FIXTURE PLATE, L1, 19-1	1
2	DSG-000014440	PLATE, STAVE HANDLING, 19-1, OB	1
1	REF-000130458	STAVE, OB, COPY, 19-1	1

DIMENSIONING AND TOLERANCING IS IAW ASME Y14.5-2009		SCALE: 1:2 DO NOT SCALE DRAWING	ESTIMATED MASS: 16.632 LB	DWG TYPE: ASSY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES: BREAK EDGES .005-.015 INTERNAL CORNERS R.015 MAX FRACTIONS ± --- DEC .XX± .02 .XXX± .005 .XXXX± .0010 ANGLE ± 0.5				
NEXT ASSEMBLIES:		THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC		
		ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20200609	APPROVALS
		ATLAS INNER PIXEL MECH LOADING TOOLING LOADING FIXTURE, STAVE, 19-1, OUTER BARREL		
		DRAWING NUMBER REF-000130459		REVISION NUMBER A
		D		

REV	DESCRIPTION	DWN	CHKR	APVD	DATE
00	INITIAL RELEASE	SN			15 DEC 2020



ITEM	PART NO	VENDOR PART NO	TITLE OR DESCRIPTION	QTY
3	REF-000112058		RD53A_Quad_Module_150um_with_flexv3_8-v2 16JULY2020	1
2	DSG-000014490	-	L1 19-1 LOADING JIG	1
1	REF-000130489		PICK UP TABLE, 19-1, L1 QUAD	1

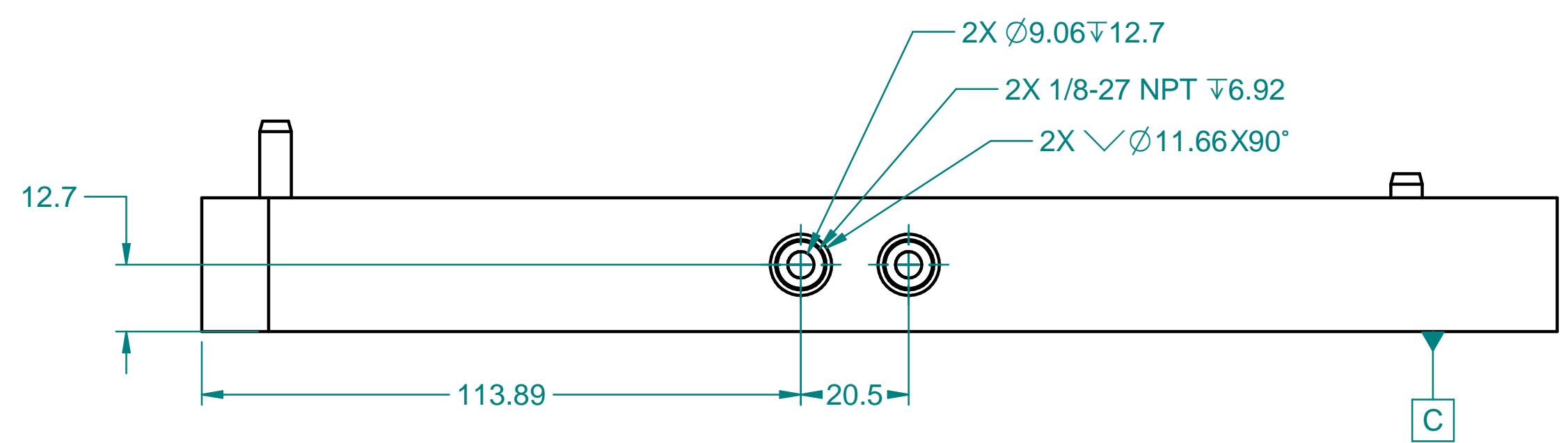
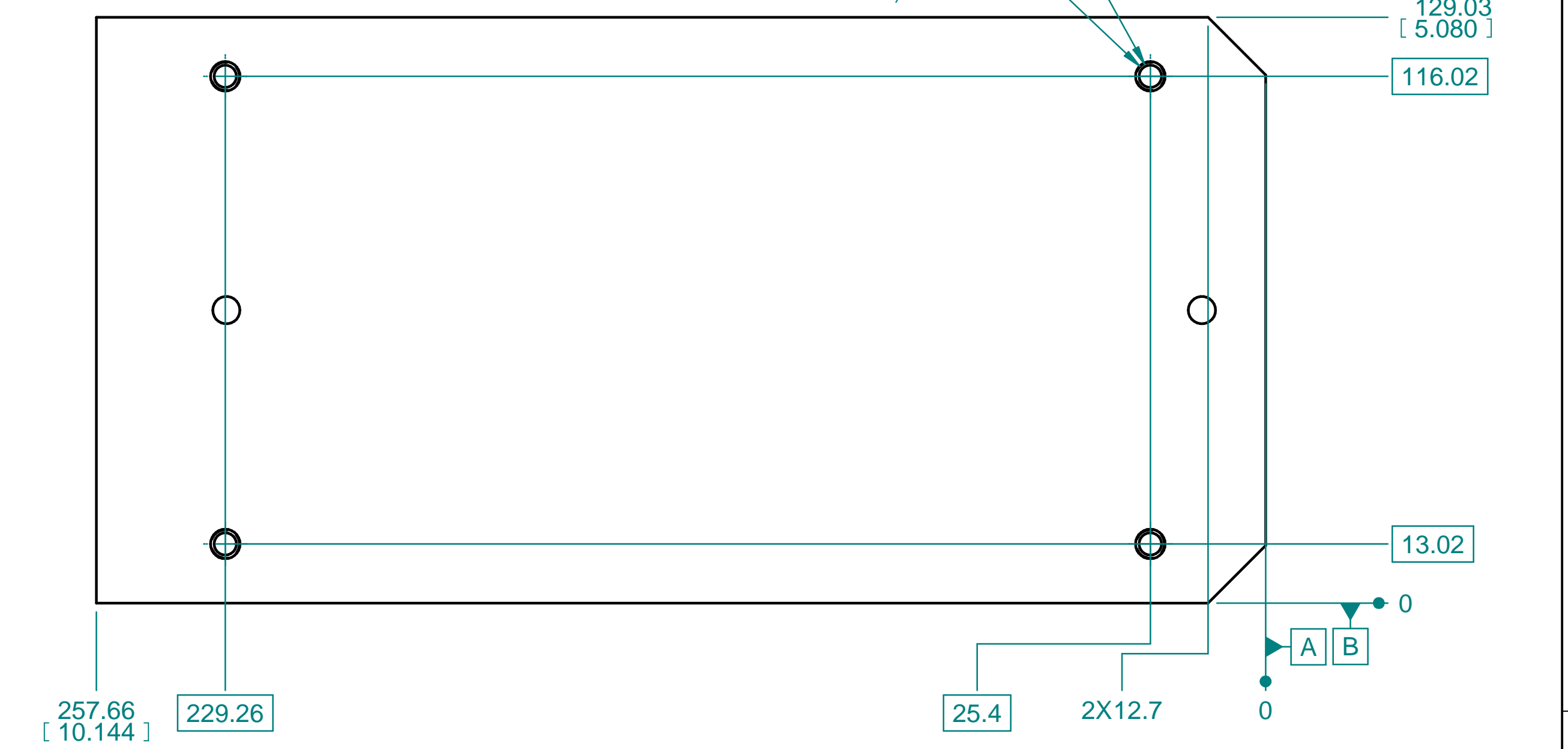
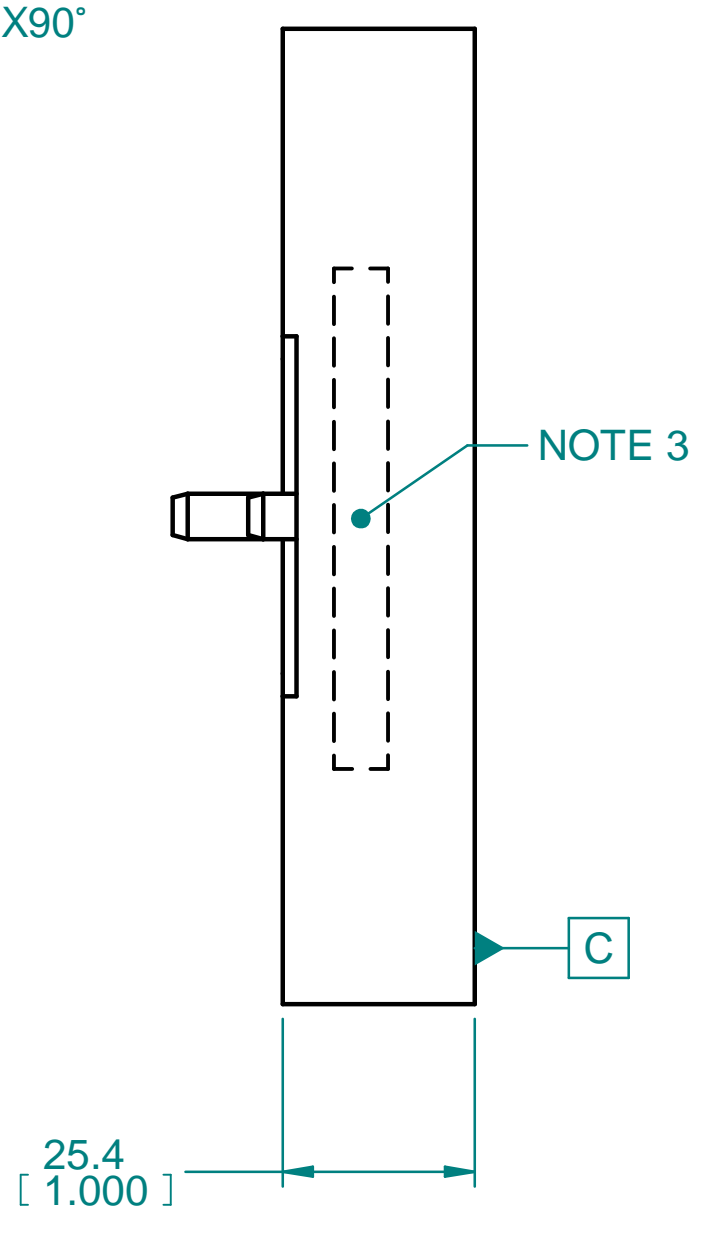
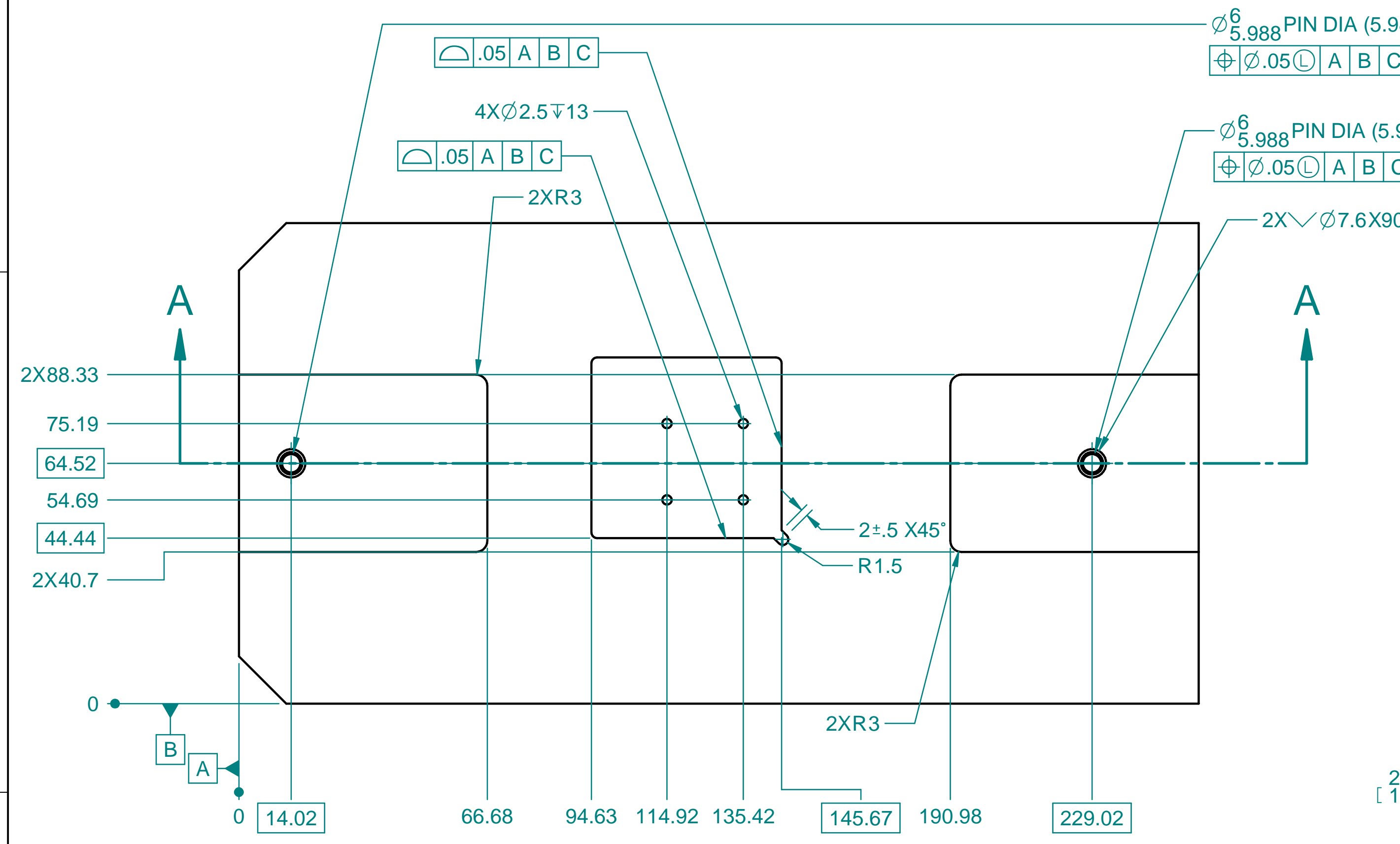
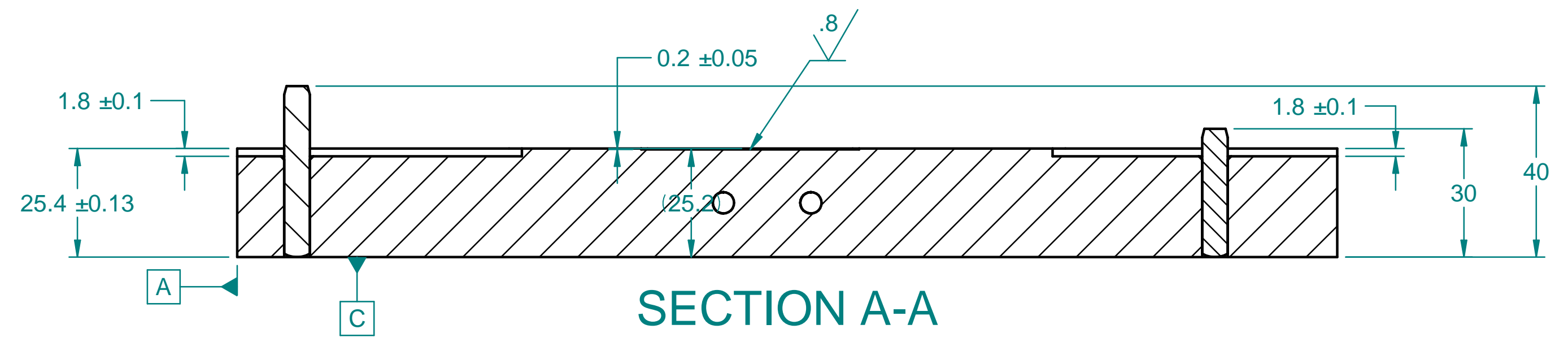
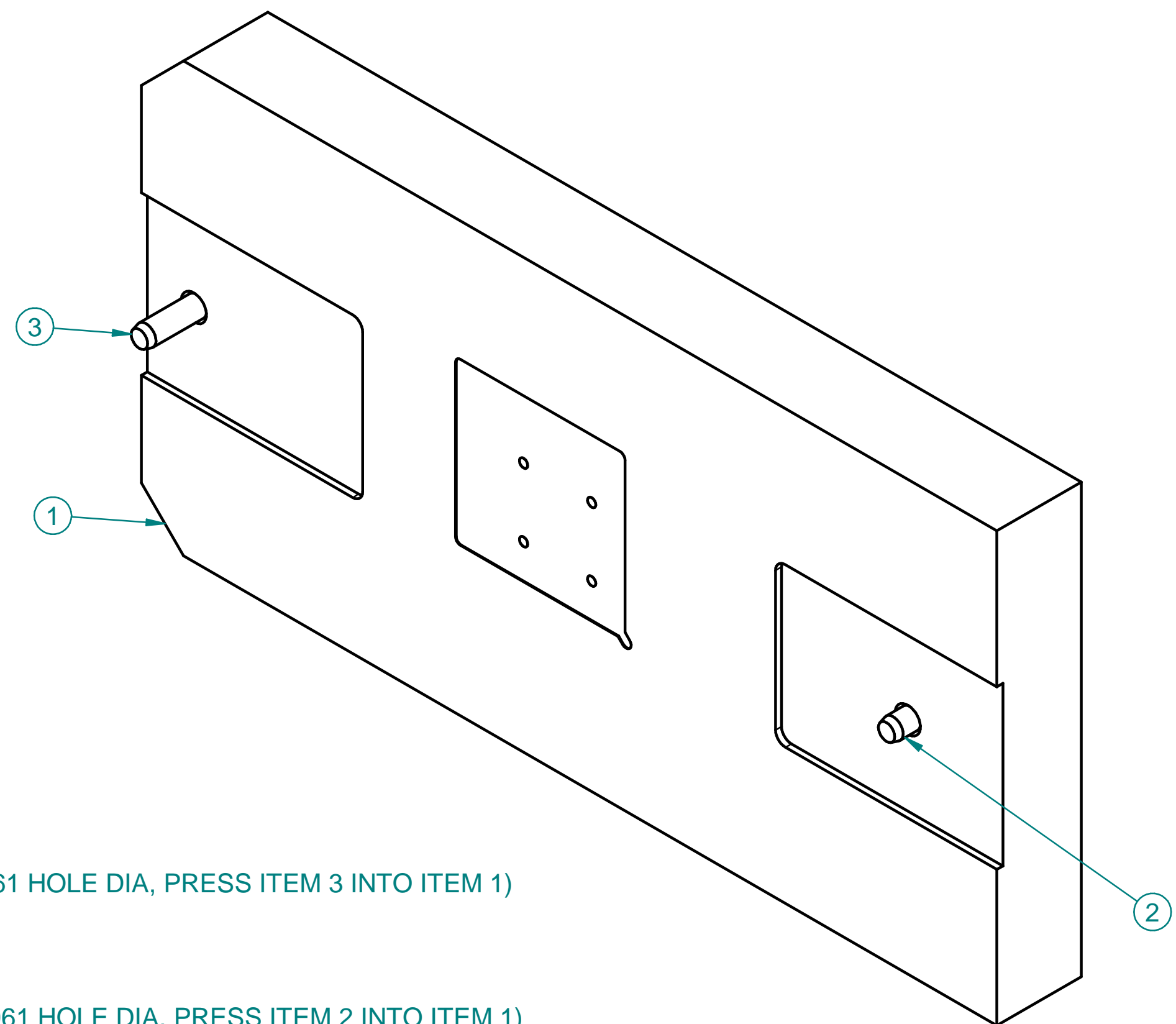
---	DIMENSIONING AND TOLERANCING IS IAW ASME Y14.5-2009		SCALE: 1:2 DO NOT SCALE DRAWING	ESTIMATED MASS: 0 kg	DWG TYPE: ASSY																	
---	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		  U.S. DEPARTMENT OF ENERGY NATIONAL ACCELERATOR LABORATORY	ATLAS INNER PIXEL MECH LOADING TOOLING FIT CHECK, L1 19-1 PICK-UP TABLE AND ADJUSTER TOOL																		
---	TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6 ✓					THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC																
---	<table border="1"> <tr> <td>DIMENSIONS</td> <td>< 6</td> <td>> 6</td> <td>> 30</td> <td>> 120</td> <td>> 315</td> <td>> 1000</td> <td>> 2000</td> </tr> <tr> <td>GENERAL TOLERANCES</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>		DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20201215 APPROVALS --- --- ---	DRAWING NUMBER REF-000130488	REVISION NUMBER A C
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000															
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2															
---	NEXT ASSEMBLIES:																					

CAD FILE NAME: Draft5

REF-000130488 A C SH 1 OF 1

REV	DESCRIPTION	DWN	CHK	RAP	PVD	DATE
A	REVISED AND REDRAWN FOR 19-1	SN				15DEC 2020

- NOTES UNLESS OTHERWISE SPECIFIED:
1. MATERIAL: SEE TABLE.
 2. APPLY CHEMICAL CONVERSION COATING (ALODINE) MIL-DTL-5541 TYPE I, CLASS 1A, COLOR GOLD
 3. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN.
 4. INSTALL DOWEL PINS (2 PLACES) AS SHOWN. ALL DIMENSIONS APPLY AFTER PLATING AND PINS INSTALLED. TEMPERATURE 20C±1C (68°F±2°F) DURING INSPECTION.

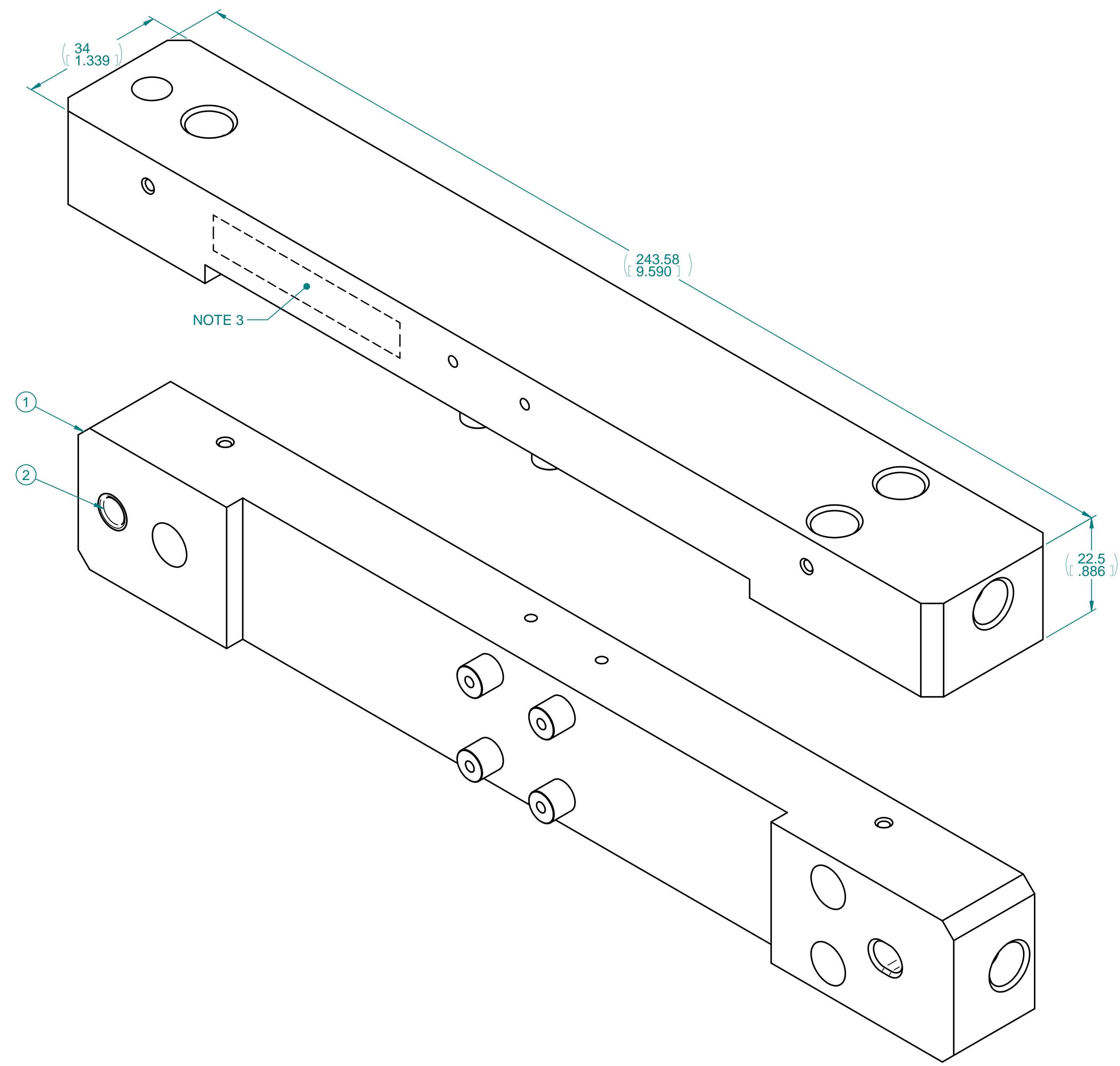


ITEM	STOCK OR PART NO.	DESCRIPTION	QTY
3	MISUMI MSH6-40	DOWEL PIN, UNDERSIZED, 6 DIA , 40 LG, SST	1
2	MISUMI MSH6-30	DOWEL PIN, UNDERSIZED, 6 DIA, 30 LG, SST	1
1	MCMMASTER 86825K862	ALUMINUM MIC-6, .75IN X 6IN X 12IN	1

DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		SCALE: 1:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 2.304 kg	DWG TYPE: PART																
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		 U.S. DEPARTMENT OF ENERGY NATIONAL ACCELERATOR LABORATORY	ATLAS INNER PIXEL MECH LOADING TOOLING PICK UP TABLE, 19-1, L1 QUAD RD53A QUAD																	
TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6																				
NEXT ASSEMBLIES:		THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC	ENGR: NEWBRY DWN: NEWBRY CHKR:	DATE: 20201215 APPROVALS:																
<table border="1"> <thead> <tr> <th>DIMENSIONS</th> <th>< 6</th> <th>> 6</th> <th>> 30</th> <th>> 120</th> <th>> 315</th> <th>> 1000</th> <th>> 2000</th> </tr> </thead> <tbody> <tr> <td>GENERAL TOLERANCES</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </tbody> </table>		DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	DRAWING NUMBER: REF-000130489 REVISION NUMBER: A		DATE: 20201215 APPROVALS:
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000													
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2													

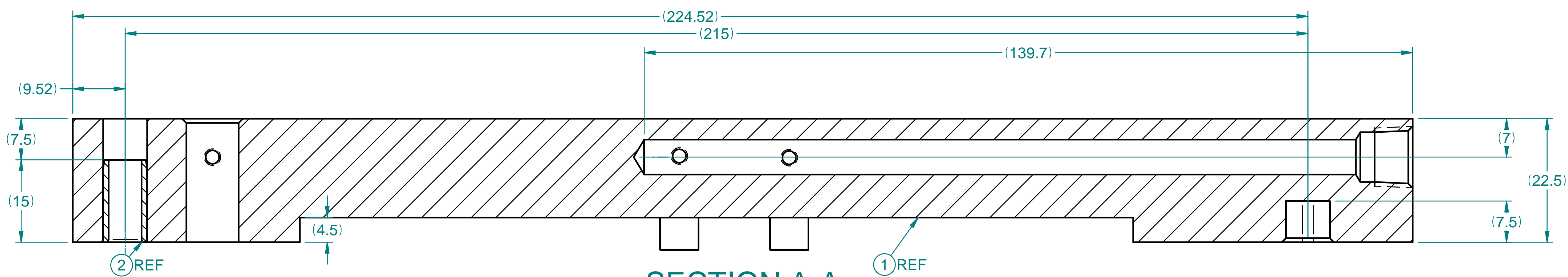
REV	DESCRIPTION	DWN	CHKR	APVD	DATE
A	REVISED AND REDRAWN FOR 19-1	SN			9 DEC 2020

- NOTES UNLESS OTHERWISE SPECIFIED:
1. MATERIAL: SEE TABLE.
 2. APPLY CHEMICAL CONVERSION COATING (ALODINE) MIL-DTL-5541 TYPE I, CLASS 1A, COLOR GOLD.
 3. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN.
 4. INSTALL ITEM 2 (BUSHING) AS SHOWN. ALL DIMENSIONS APPLY AFTER PLATING AND BUSHING INSTALLED. TEMPERATURE 20C±1C (68°F±2°F) DURING INSPECTION.

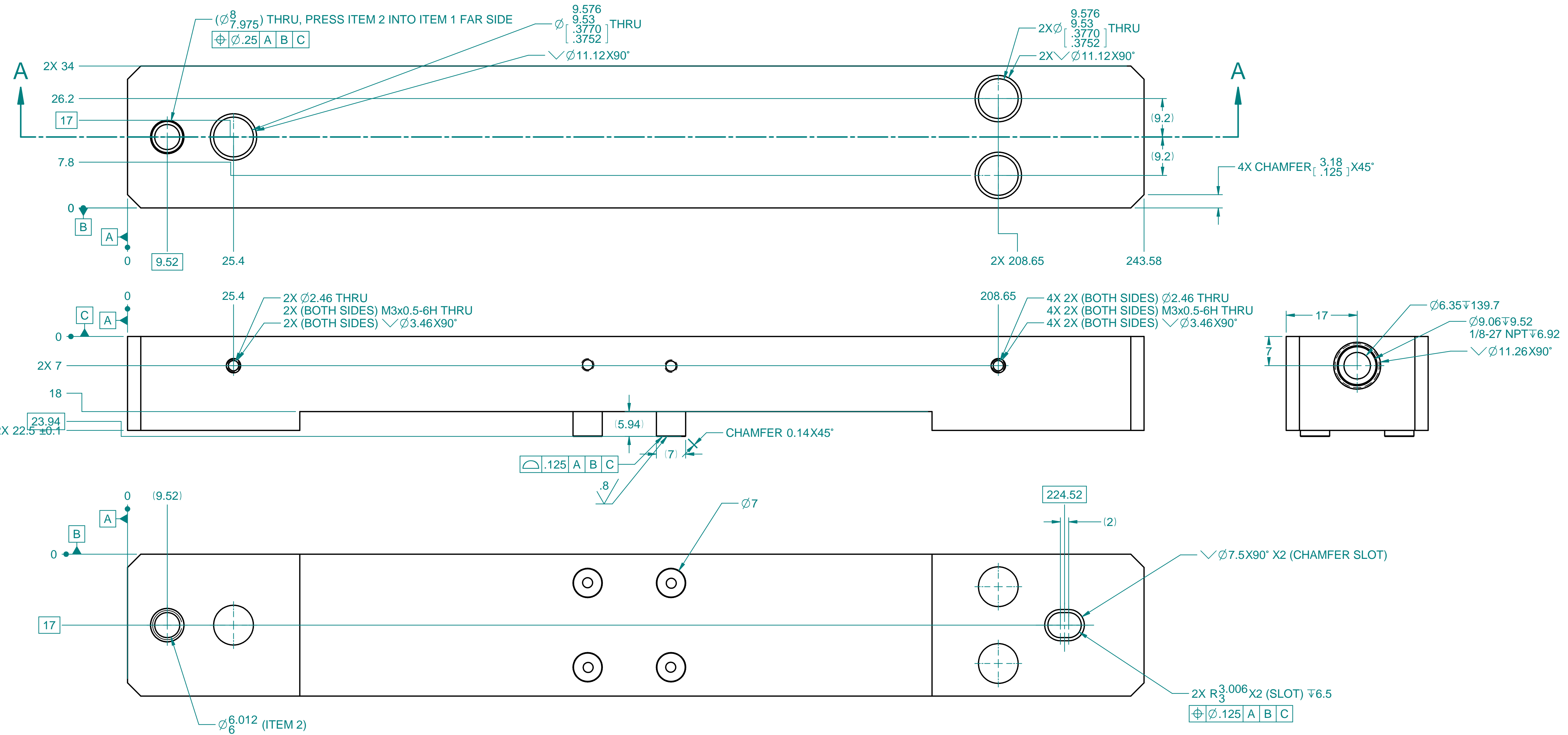


ITEM	TITLE OR DESCRIPTION	QTY
2	MISUMI JBAUN6-15 (BUSHING, 6ID X 15LG, NI PLATED)	1
1	MATERIAL: ALUMINUM MIC-6, 10IN X 1.5IN X 1IN	1

---	DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009	SCALE: 2:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 0.284 kg	DWG TYPE: PART
---	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	SLAC NATIONAL ACCELERATOR LABORATORY	U.S. DEPARTMENT OF ENERGY	ATLAS INNER PIXEL MECH LOADING TOOLING L0 19-1 LOADING JIG
---	TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX	THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC		
---	ANGLE ± 0.5 ALL SURF 1.6°	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20200610	APPROVALS
---	DSG-000014490	DRAWING NUMBER: REF-000117250		
---	NEXT ASSEMBLIES:	REVISION NUMBER: A D		
---	DIMENSIONS <6 >6 >30 >120 >315 >1000 >2000	DRAWING NUMBER: REF-000117250		
---	GENERAL TOLERANCES ±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2 ±2	REVISION NUMBER: A D		



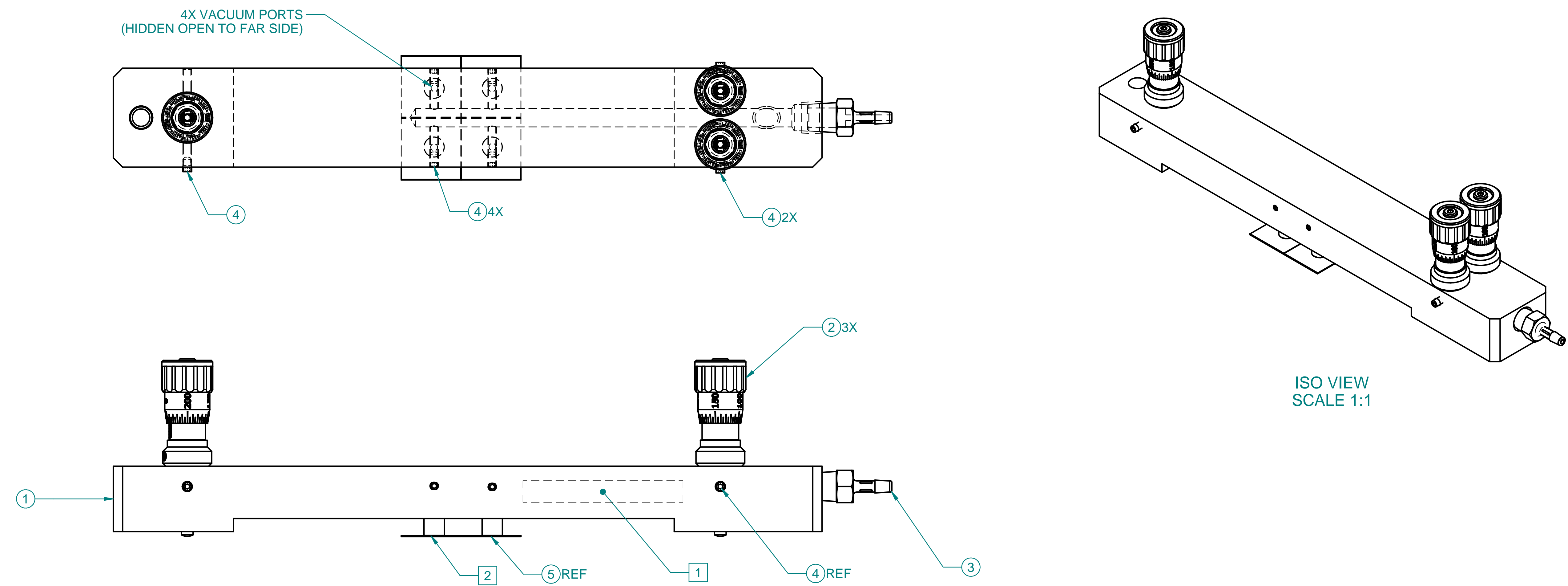
SECTION A-A



DIMS		DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		SCALE: 2:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 0.284 kg	DWG TYPE: PART														
TOL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		 U.S. DEPARTMENT OF ENERGY NATIONAL ACCELERATOR LABORATORY	ATLAS INNER PIXEL MECH LOADING TOOLING L0 19-1 LOADING JIG															
GEN		TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6°					THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC													
D		DSG-000014490		ENGR: NEWBRY	DATE: 20200611	APPROVALS:														
N		NEXT ASSEMBLIES:		DWN: NEWBRY	CHKR: ---	DRAWING NUMBER: REF-000117250 REVISION NUMBER: A														
G		GENERAL TOLERANCES:		<table border="1"> <tr> <td>< 6</td> <td>> 6</td> <td>> 30</td> <td>> 120</td> <td>> 315</td> <td>> 1000</td> <td>> 2000</td> </tr> <tr> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>		< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	SHEET 2 OF 2 CAD FILE NAME: REF-000117250.dft
< 6	> 6	> 30	> 120	> 315	> 1000	> 2000														
± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2														

REV	DESCRIPTION	DWN	CHK	RAP	PVD	DATE
00	REVISED AND REDRAWN FOR 19-1	SN				10DEC 2020

D
C
B
A



ISO VIEW
SCALE 1:1

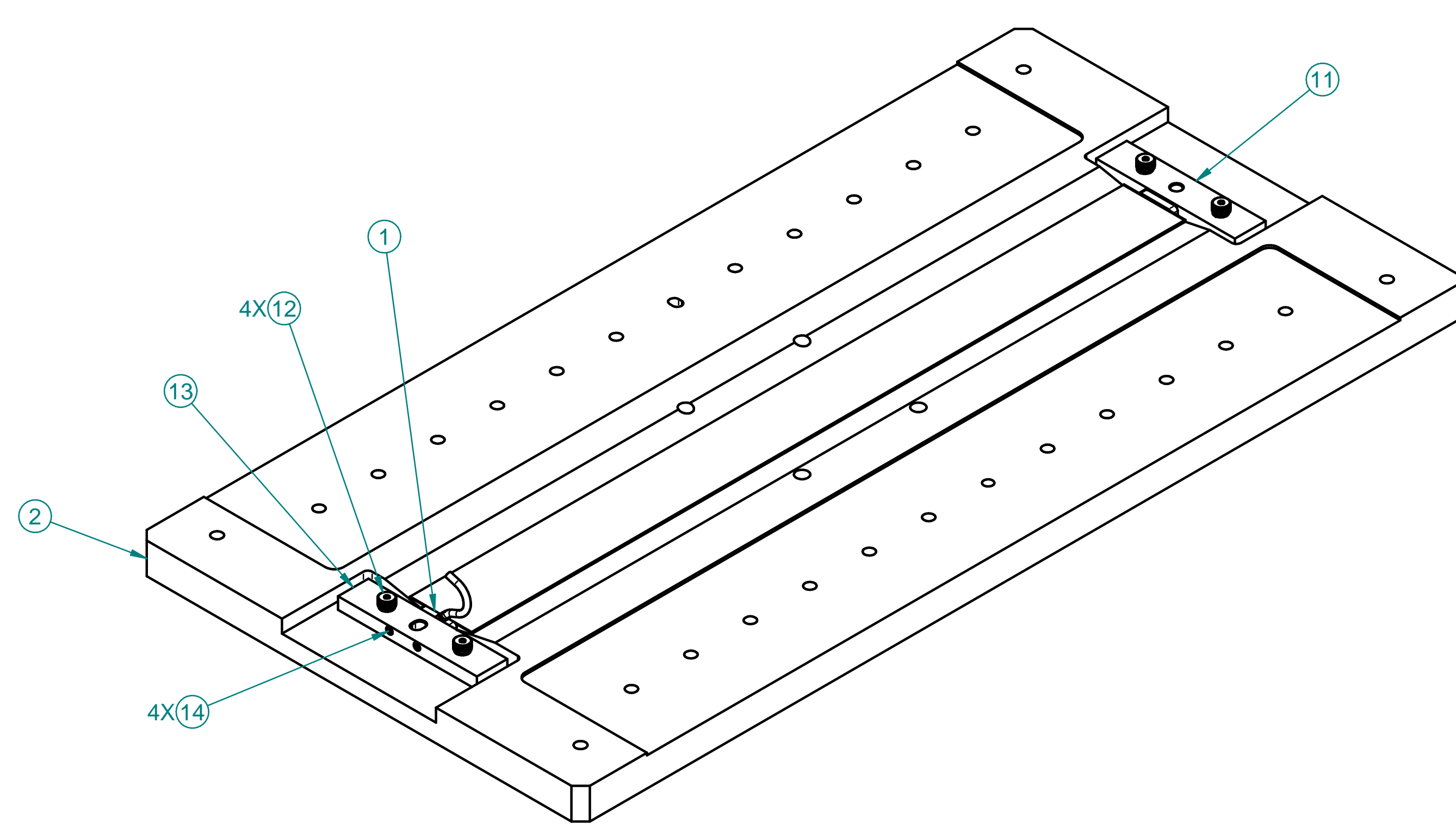
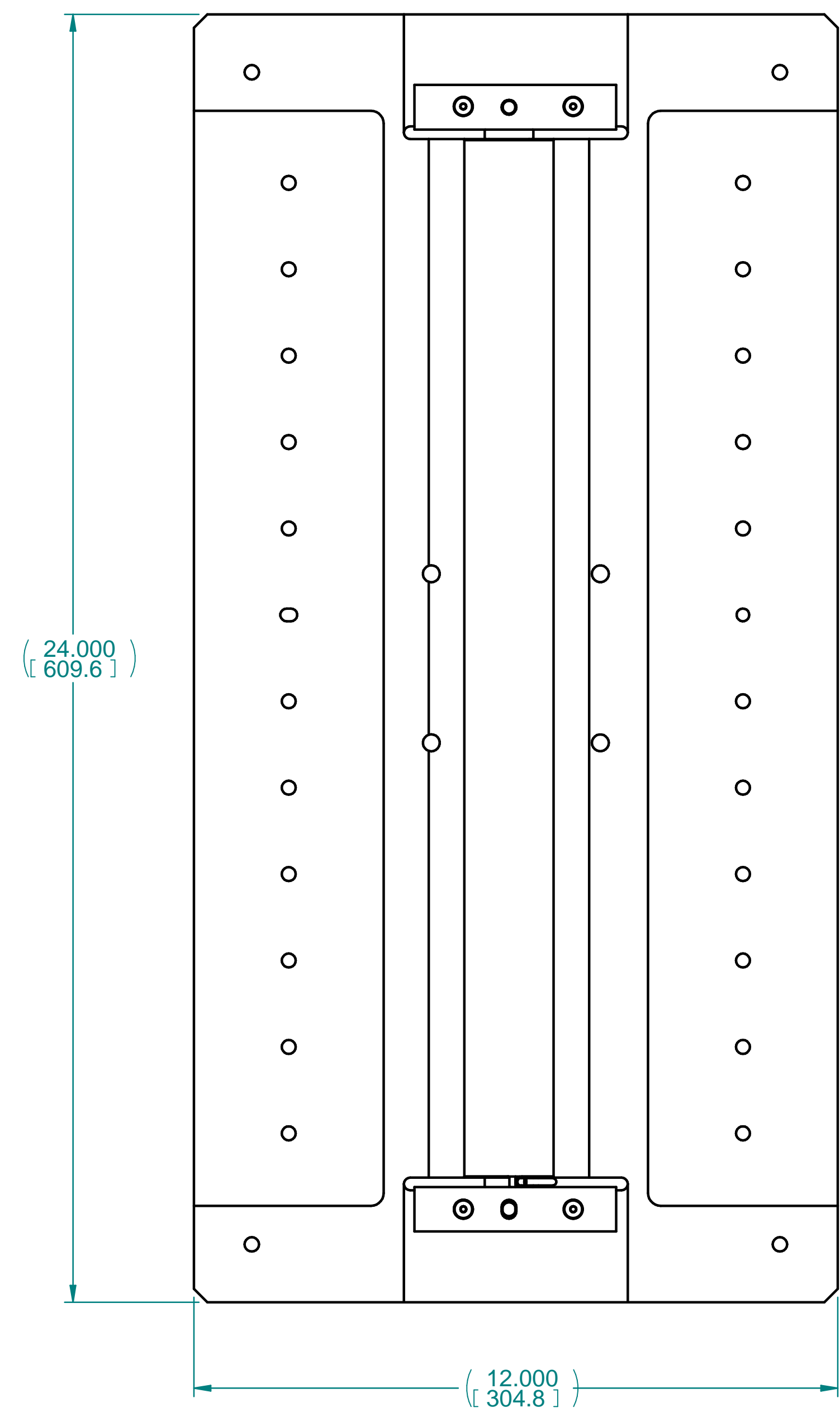
- NOTES (UNLESS OTHERWISE SPECIFIED):
- 1 APPLY PART NUMBER AND REVISION APPROX WHERE SHOWN.
 - 2 PROTECT 4 VACUUM PADS DURING ASSY.

5	PF-256-102-39	-	SINGLE DUMMY SENSOR	REF
4	SL050104-21478	METRIC HARDWARE	SCREW, SET, HEX SCH, FLAT POINT, M3 X 5 L, SST 316	7
3	SL110303-00469	McMASTER-CARR 53055K401	ADAPTER, TUBE, 1/8 NPT MALE, 1/8 ID PLASTIC OR RUBBER TUBE, PVDF PLASTIC	1
2	REF-000108190		THORLABS 146-200, 0-10mm	3
1	REF-000117250		L0 19-1 LOADING JIG	1
ITEM	PART NO	VENDOR PART NO	TITLE OR DESCRIPTION	QTY

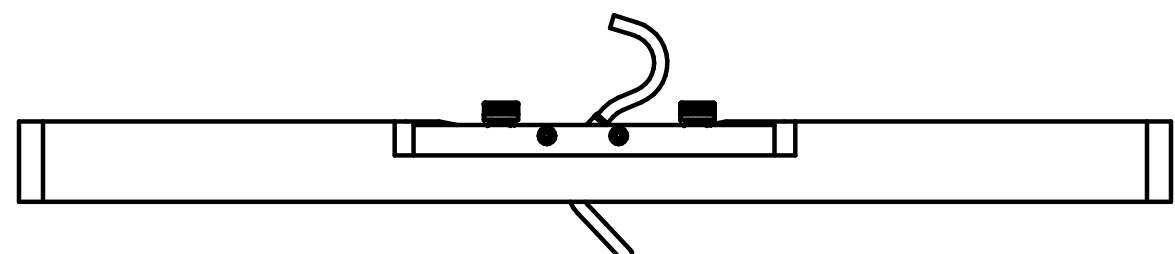
---	DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009	SCALE: 1:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 0.319 kg	CAD FILE NAME: DSG-000014490.dft																
---	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	ATLAS INNER PIXEL MECH PICK UP TABLE ASSY QUAD L1 19-1 LOADING JIG																		
---	TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 1° ALL SURF 0.80																			
REF-000130459	<table border="1"> <tr> <th>DIMENSIONS</th> <td>< 6</td> <td>> 6</td> <td>> 30</td> <td>> 120</td> <td>> 315</td> <td>> 1000</td> <td>> 2000</td> </tr> <tr> <th>GENERAL TOLERANCES</th> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>	DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC	ENGR S. METCALFE DWN G. LLOYD CHKR O. FRENER	DATE 20191015 APPROVALS S. METCALFE
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000													
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2													
NEXT ASSEMBLIES:			DRAWING NUMBER DSG-000014490	REVISION NUMBER 00																

D
C
B
A

REF-000131207					1
REV	DESCRIPTION	DWN	CHKR	APVD	DATE
A	INITIAL DRAFT	SN			15DEC 2020



ITEM	PART NO.	DESCRIPTION	QTY
14	MCMASTER 91292A336	SHCS, M2, 22 LENGTH, SST	4
13	REF-000130646	MOUNTING, STAVE TO HF, INNER, 19-1, FAR SIDE	1
12	REF-000130642	THOR SLH1-M SCREW ONLY	4
11	REF-000130209	MOUNTING, STAVE TO HF, INNER, 19-1	1
2	DSG-000014440	PLATE, STAVE HANDLING, 19-1, OB	1
1	REF-000131208	STAVE, OB, NO MODULES, 19-1	1



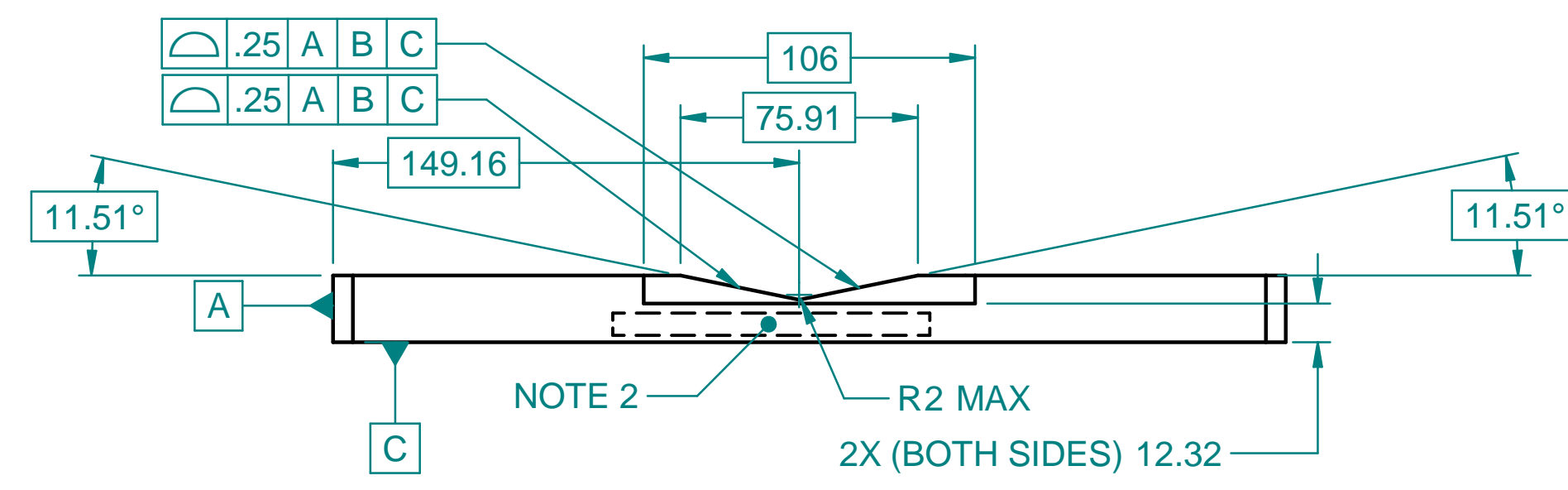
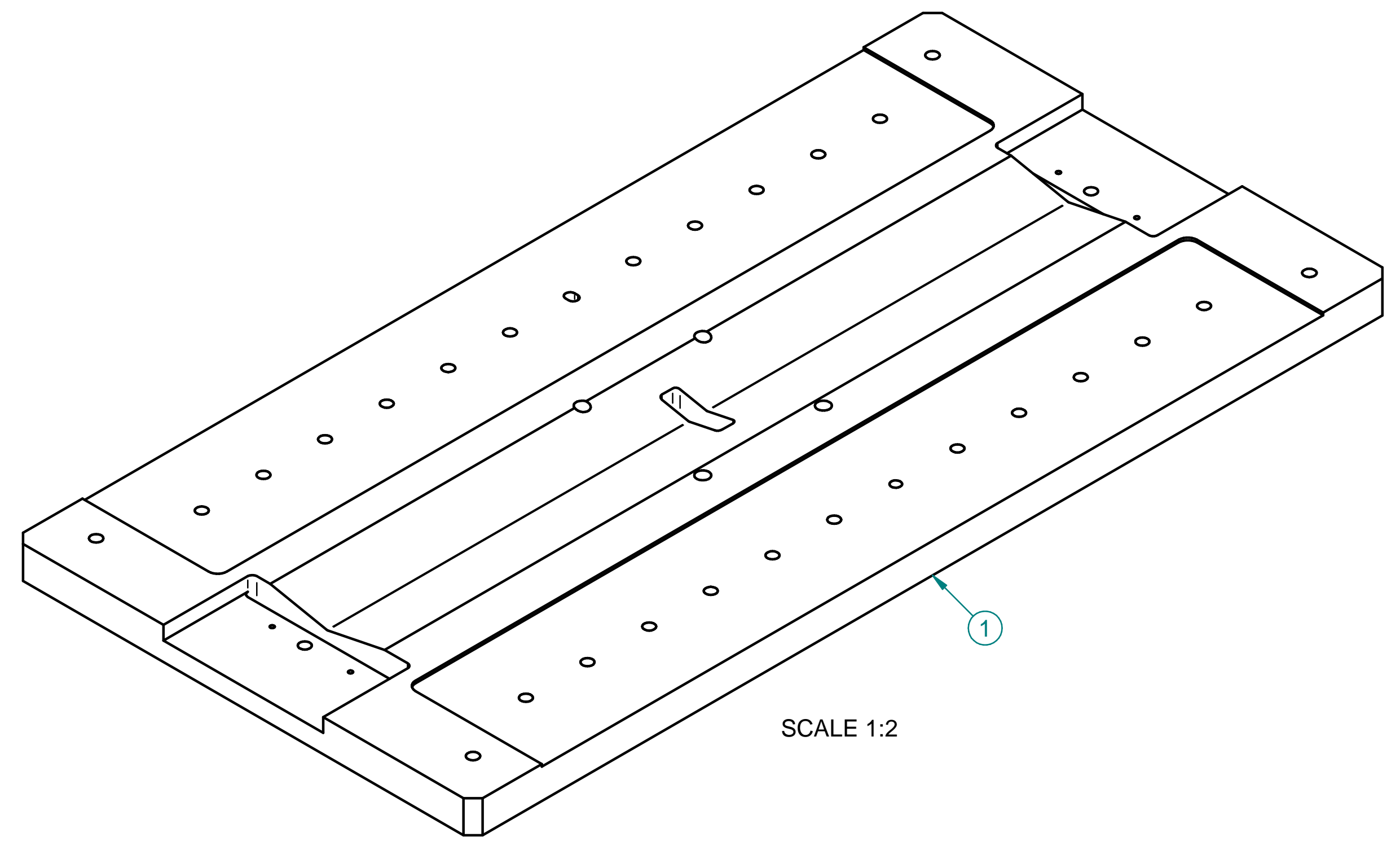
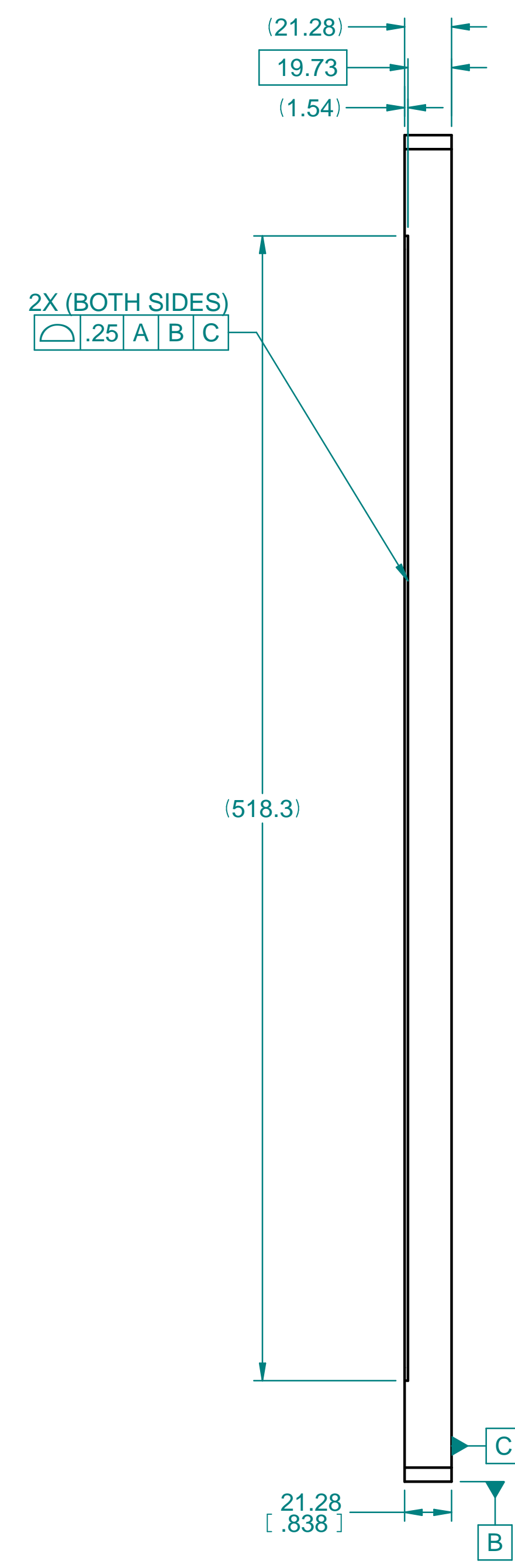
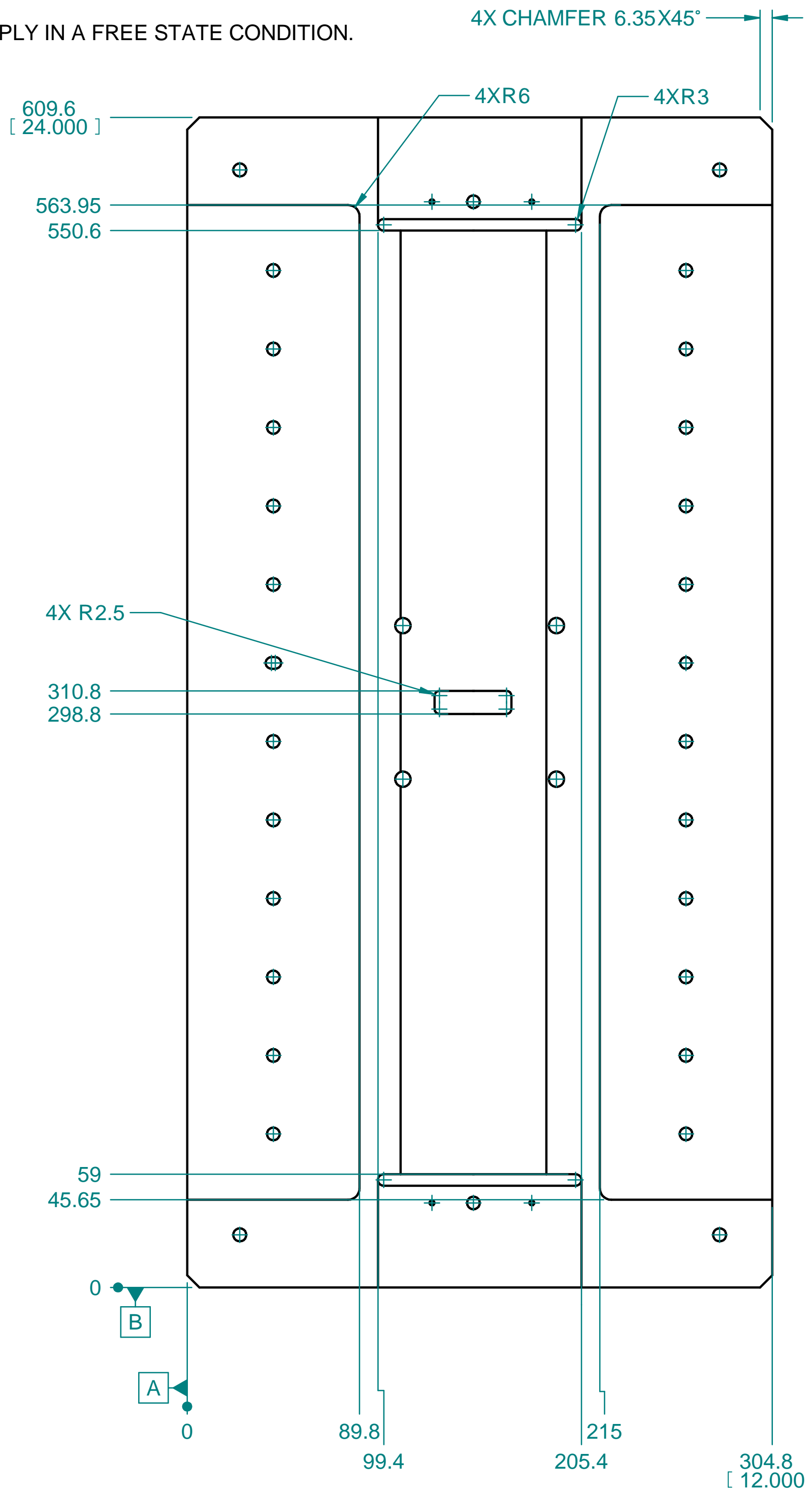
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---	DIMENSIONING AND TOLERANCING IS IAW ASME Y14.5-2009	SCALE: 1:2 DO NOT SCALE DRAWING	ESTIMATED MASS: 16.632 LB	DWG TYPE: ASSY
---	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES: BREAK EDGES .005-.015 INTERNAL CORNERS R.015 MAX FRACTIONS ± ---	SLAC NATIONAL ACCELERATOR LABORATORY	U.S. DEPARTMENT OF ENERGY	ATLAS INNER PIXEL MECH LOADING TOOLING STAVE AND HANDLING FRAME
---	DEC .XX± .02 .XXX± .005 .XXXX± .0010 ANGLE ± 0.5	THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC	DATE: 20200609	APPROVALS: ENGR NEWBRY, DWN NEWBRY, CHKR ---
REF-000084561	NEXT ASSEMBLIES:	DRAWING NUMBER: REF-000131207		REVISION NUMBER: A
		DRAWING NUMBER: REF-000131207		REVISION NUMBER: D

REV	DESCRIPTION	DWN	CHKR	APVD	DATE
00	INITIAL DRAFT	SN			15DEC 2020

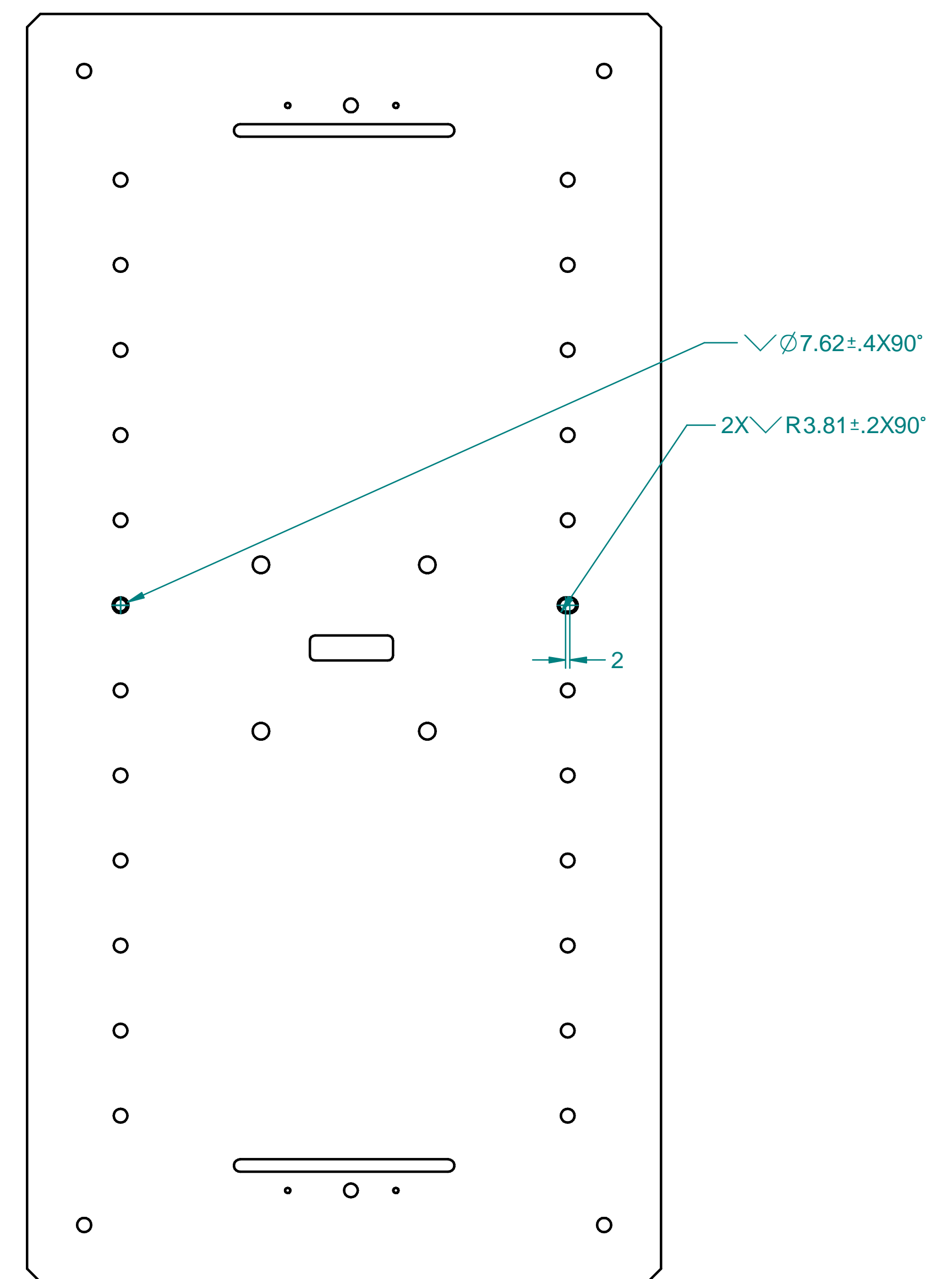
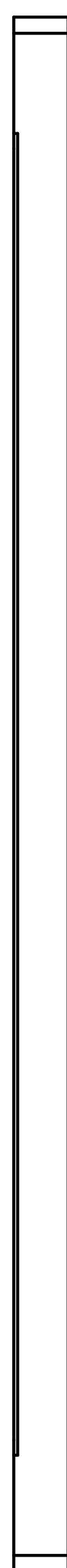
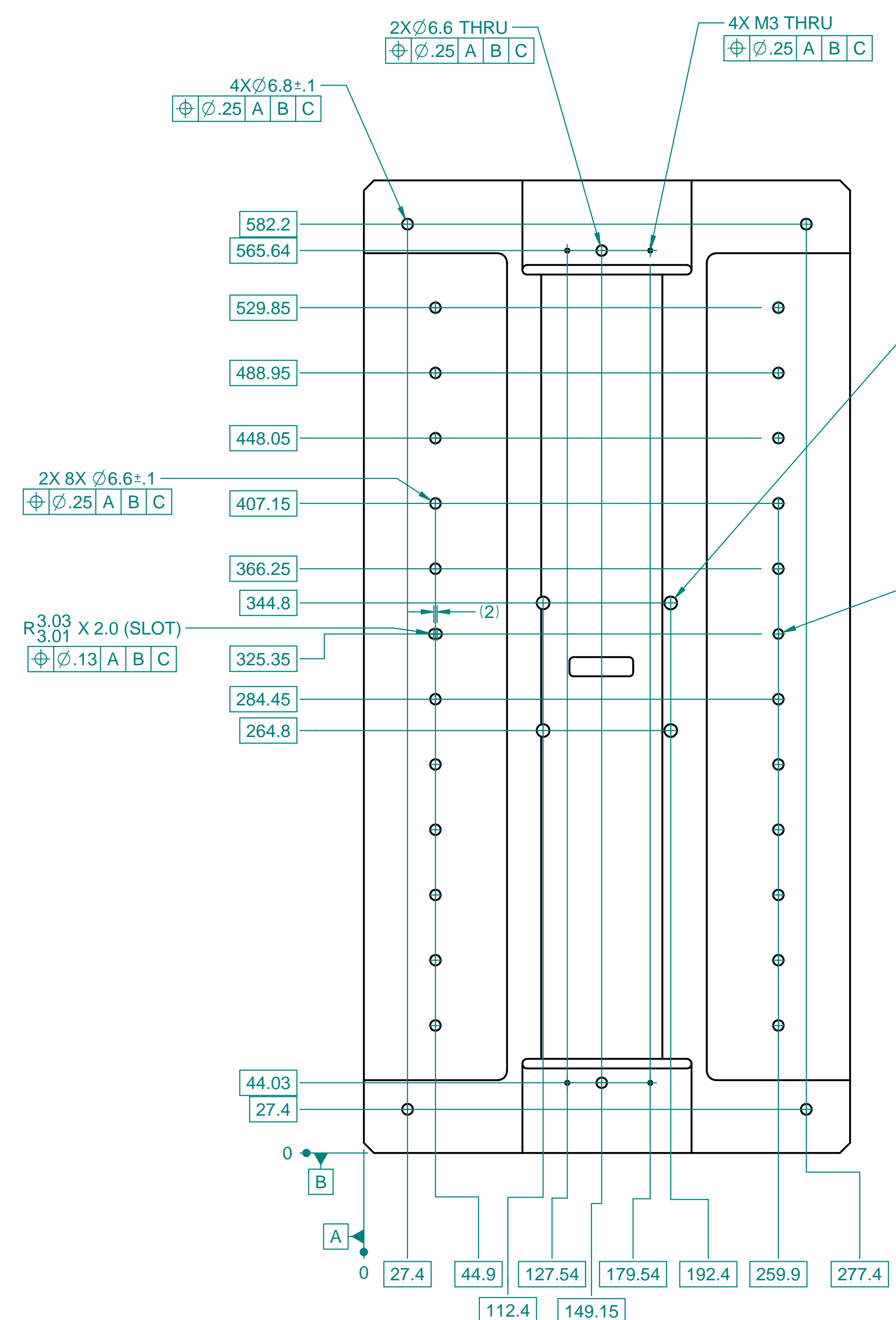
NOTES UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: SEE TABLE
2. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN
3. ALL DIMENSIONS AND TOLERANCES APPLY IN A FREE STATE CONDITION.



1	DELFIN, COLOR BLACK, 24IN X 12IN X 1IN	1
ITEM	MATERIAL	QTY

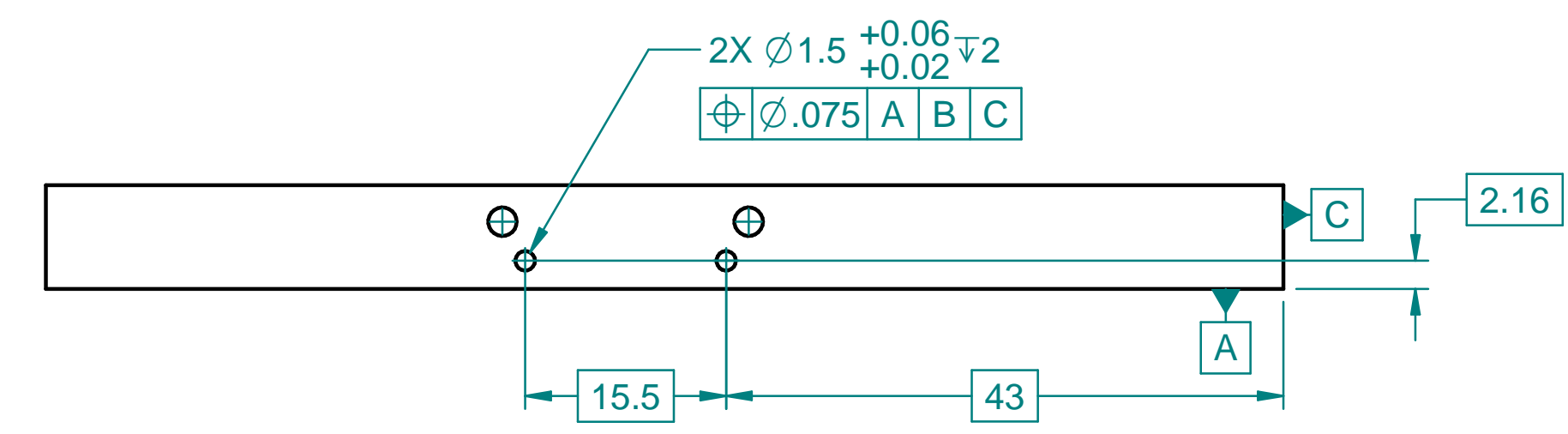
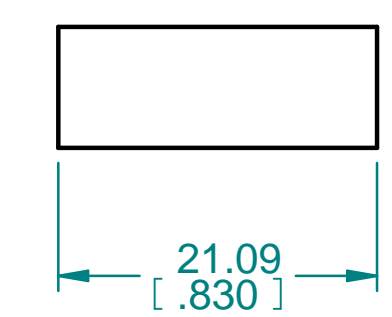
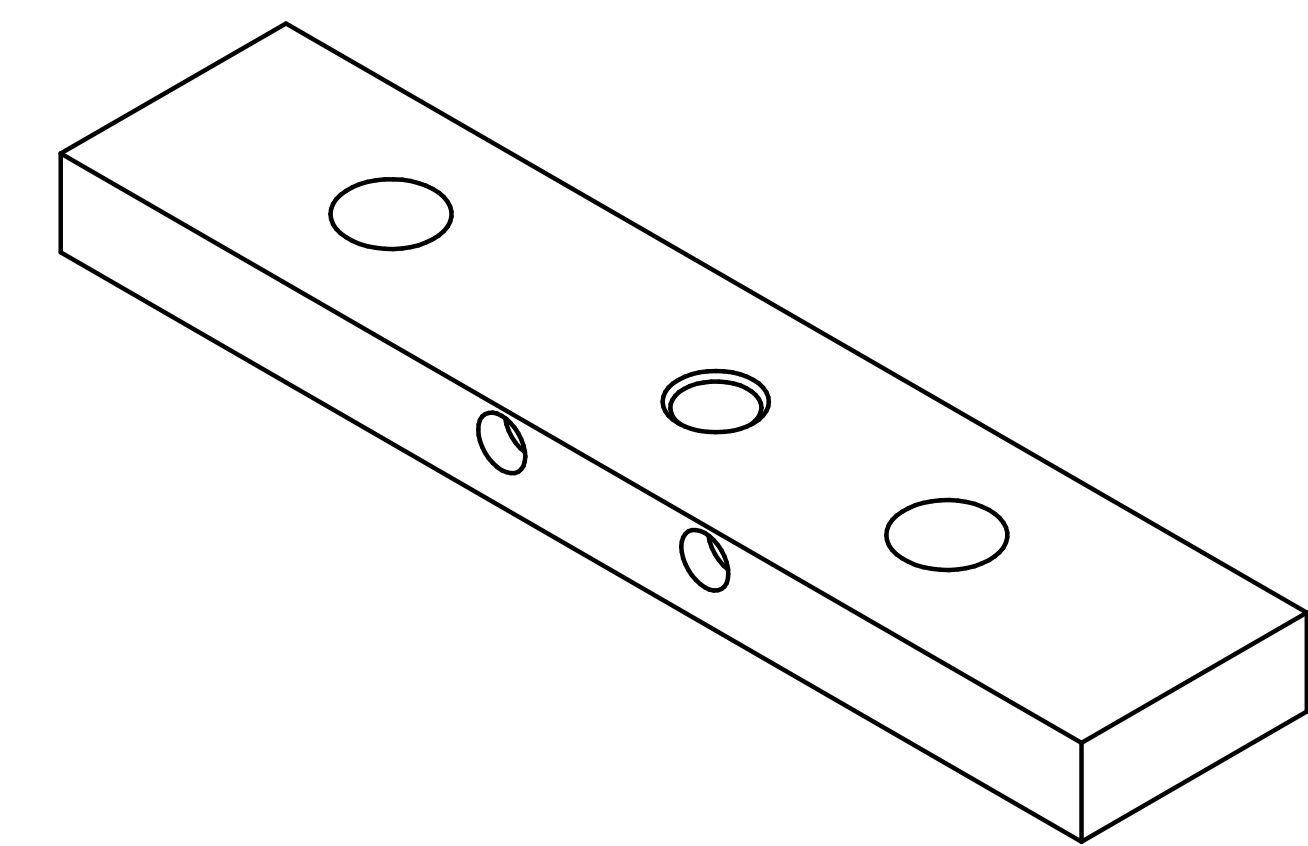
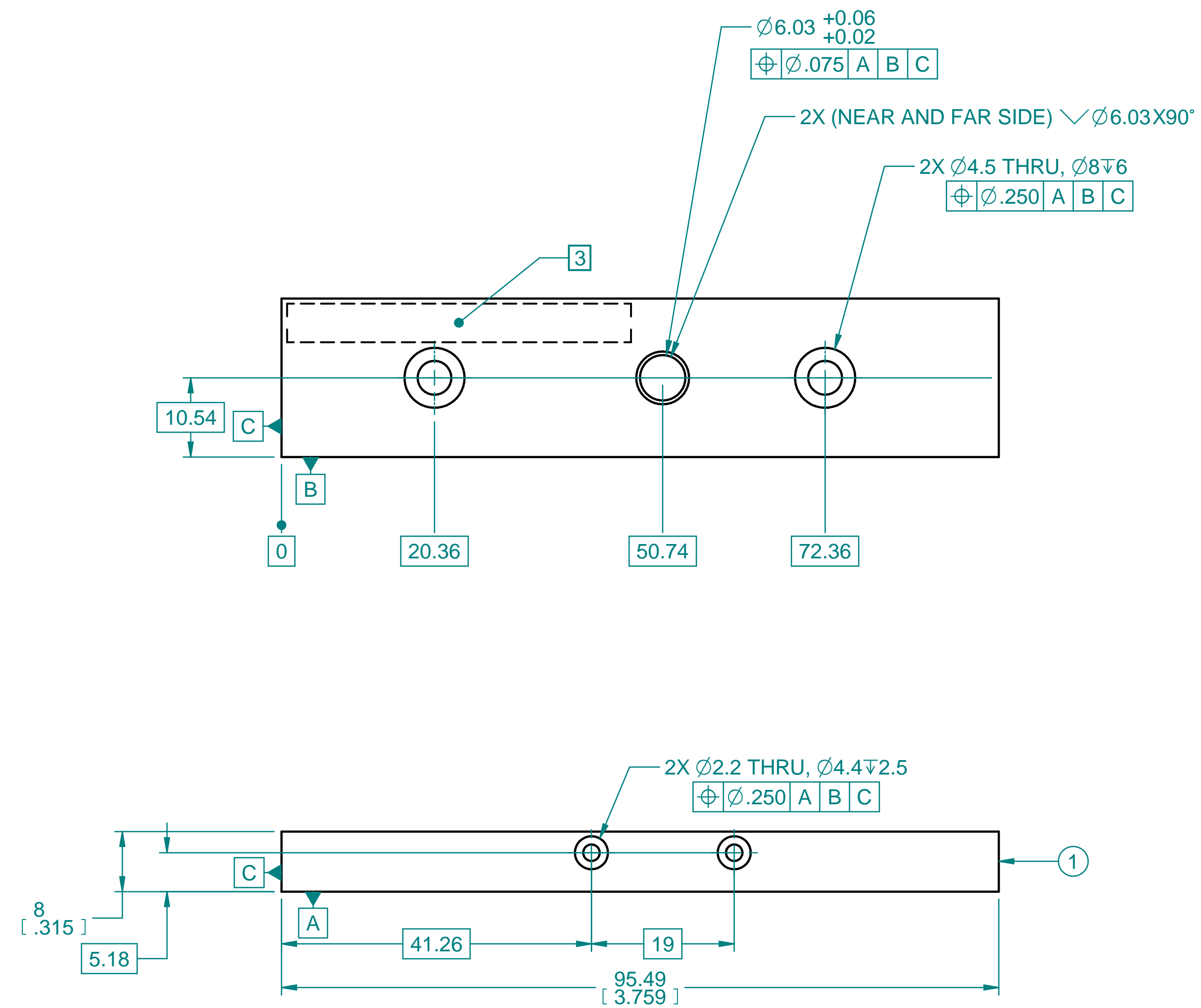
DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6 REF-000130459	SCALE: 1:2 DO NOT SCALE DRAWING	ESTIMATED MASS: 3.395 kg	DWG TYPE: PART																
		ATLAS INNER PIXEL MECH LOADING TOOLING PLATE, STAVE HANDLING, 19-1, OUTER BARREL																	
NEXT ASSEMBLIES:	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20200611	APPROVALS --- --- ---																
<table border="1"> <tr> <th>DIMENSIONS</th> <td>< 6</td> <td>> 6</td> <td>> 30</td> <td>> 120</td> <td>> 315</td> <td>> 1000</td> <td>> 2000</td> </tr> <tr> <th>GENERAL TOLERANCES</th> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>	DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	DRAWING NUMBER DSG-000014440		REVISION NUMBER 00
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000												
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2												



REF-000130459	DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6 	SCALE: 1:2 DO NOT SCALE DRAWING ESTIMATED MASS: 3.395 kg DWG TYPE: PART SLAC NATIONAL ACCELERATOR LABORATORY U.S. DEPARTMENT OF ENERGY THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC ENGR NEWBRY DWN NEWBRY CHKR ---	ATLAS INNER PIXEL MECH LOADING TOOLING PLATE, STAVE HANDLING, 19-1, OUTER BARREL DRAWING NUMBER: DSG-000014440 REVISION NUMBER: 00 DATE: 20200611 APPROVALS:																
NEXT ASSEMBLIES:	<table border="1"> <tr> <th>DIMENSIONS</th> <th>< 6</th> <th>> 6</th> <th>> 30</th> <th>> 120</th> <th>> 315</th> <th>> 1000</th> <th>> 2000</th> </tr> <tr> <td>GENERAL TOLERANCES</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>	DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	DSG-000014440.dft	SH 2 OF 2
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000												
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2												

REF-00130209	60Z061000-3E	1
REV	DESCRIPTION	DWN/CHKR/APPV/DATE
00	INITIAL DRAFT	SN / / 15DEC 2020

- NOTES UNLESS OTHERWISE SPECIFIED:
1. MATERIAL: SEE TABLE.
 2. APPLY CHEMICAL CONVERSION COATING (ALODINE) MIL-DTL-5541 TYPE I, CLASS 1A, COLOR GOLD.
 3. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN.

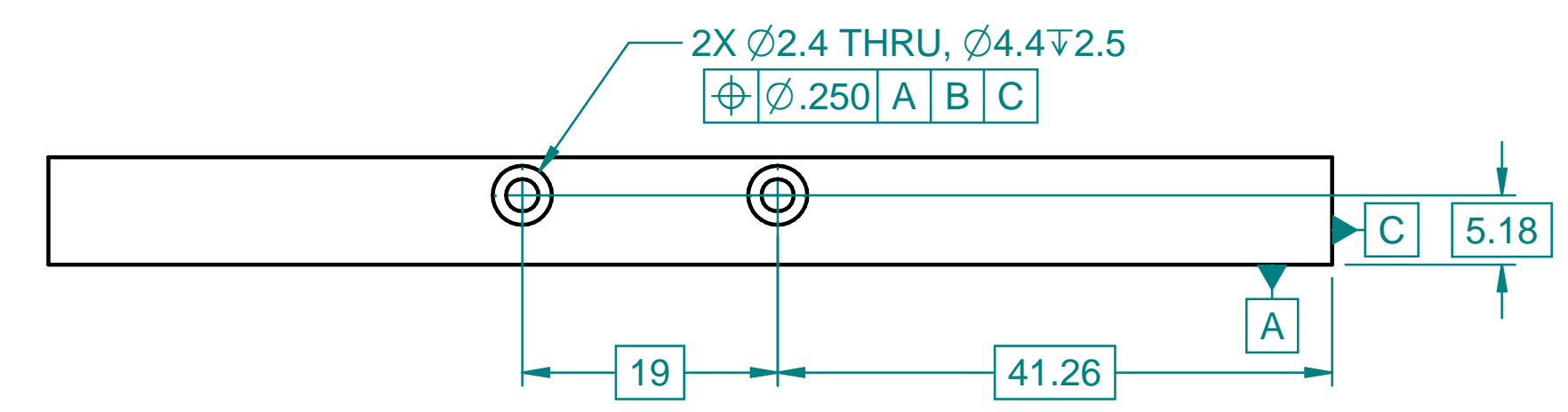
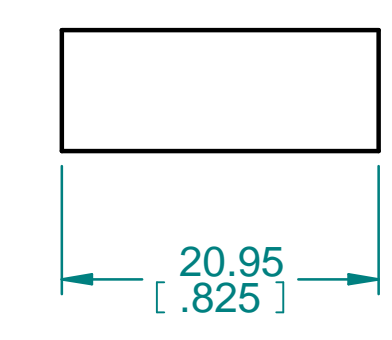
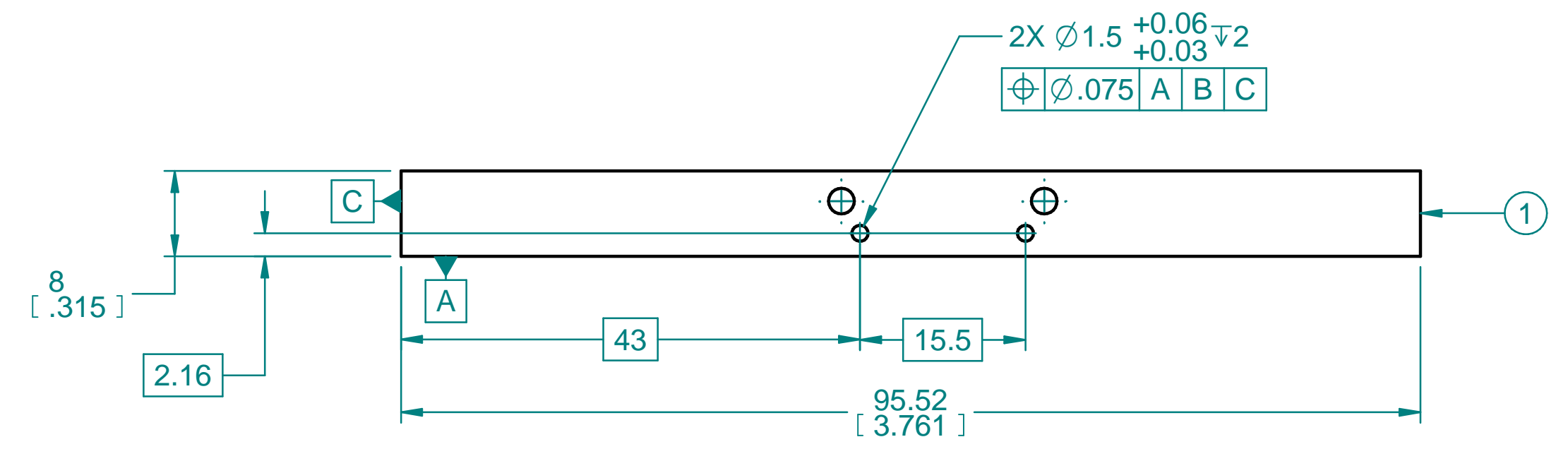
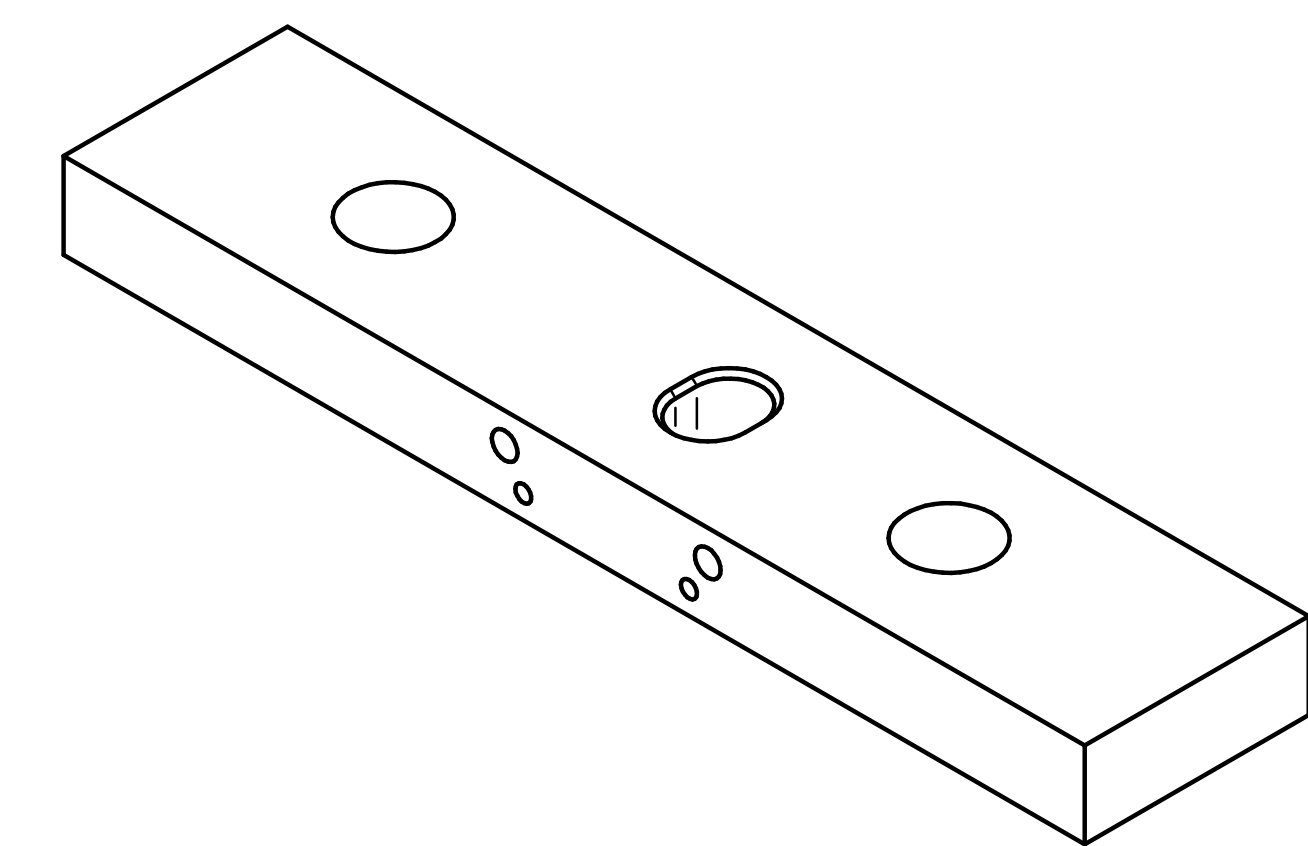
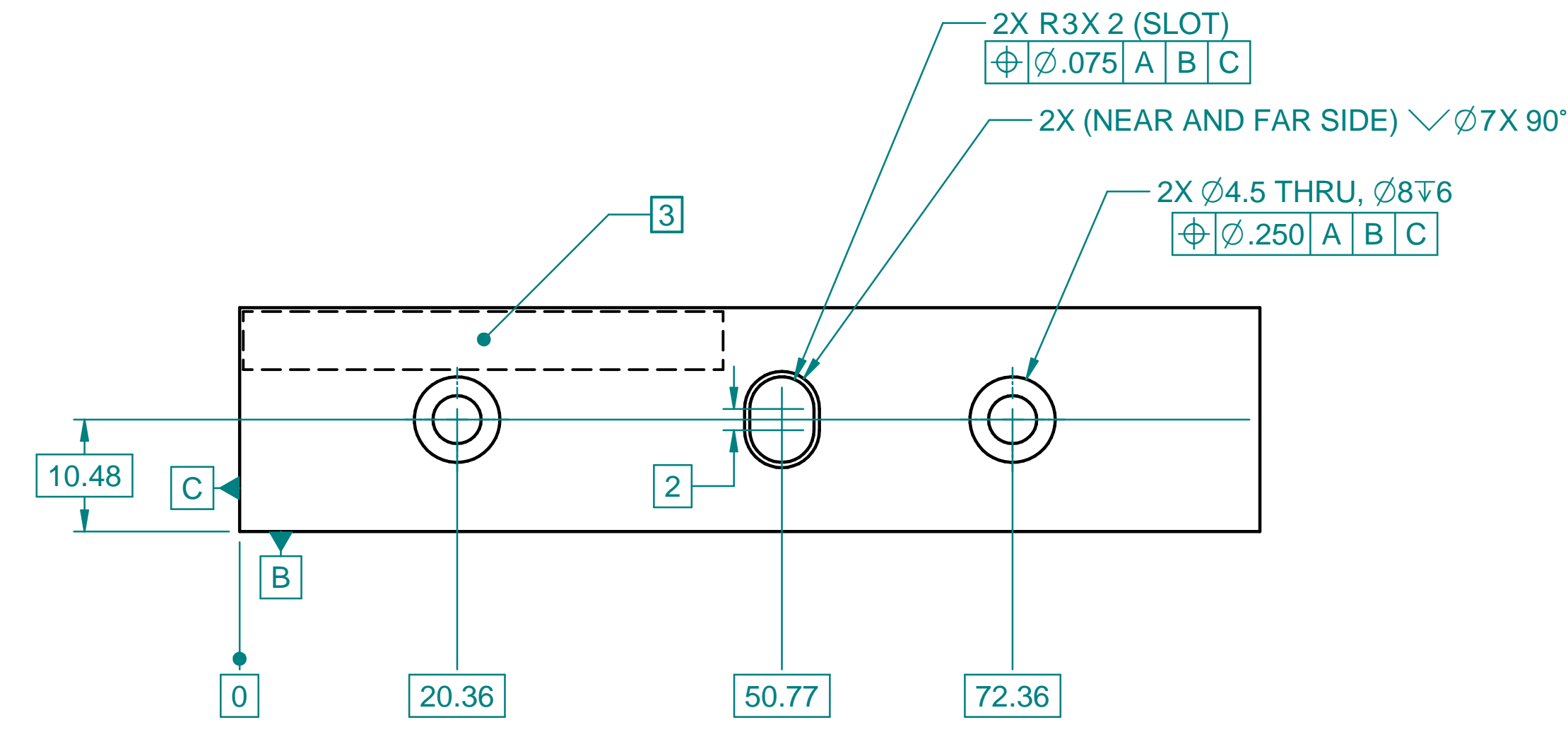


1		ALUMINUM MIC-6	1
ITEM	NUMBER	TITLE OR DESCRIPTION	QTY

DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6 REF-000084561	SCALE: 2:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 0.041 kg	DWG TYPE: PART	
			ATLAS INNER PIXEL MECH LOADING TOOLING MOUNTING, OB STAVE TO HF, 49-1	
	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20201201	APPROVALS --- --- ---	DRAWING NUMBER REF-000130209
	NEXT ASSEMBLIES:	DIMENSIONS <6 >6 >30 >120 >315 >1000 >2000 GENERAL TOLERANCES ±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2 ±2	REVISION NUMBER A	D

REV	DESCRIPTION	DWN	CHK	RAP	PVD	DATE
00	INITIAL DRAFT	SN				15DEC 2020

- NOTES UNLESS OTHERWISE SPECIFIED:
1. MATERIAL: SEE TABLE.
 2. APPLY CHEMICAL CONVERSION COATING (ALODINE) MIL-DTL-5541 TYPE I, CLASS 1A, COLOR GOLD.
 3. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN.



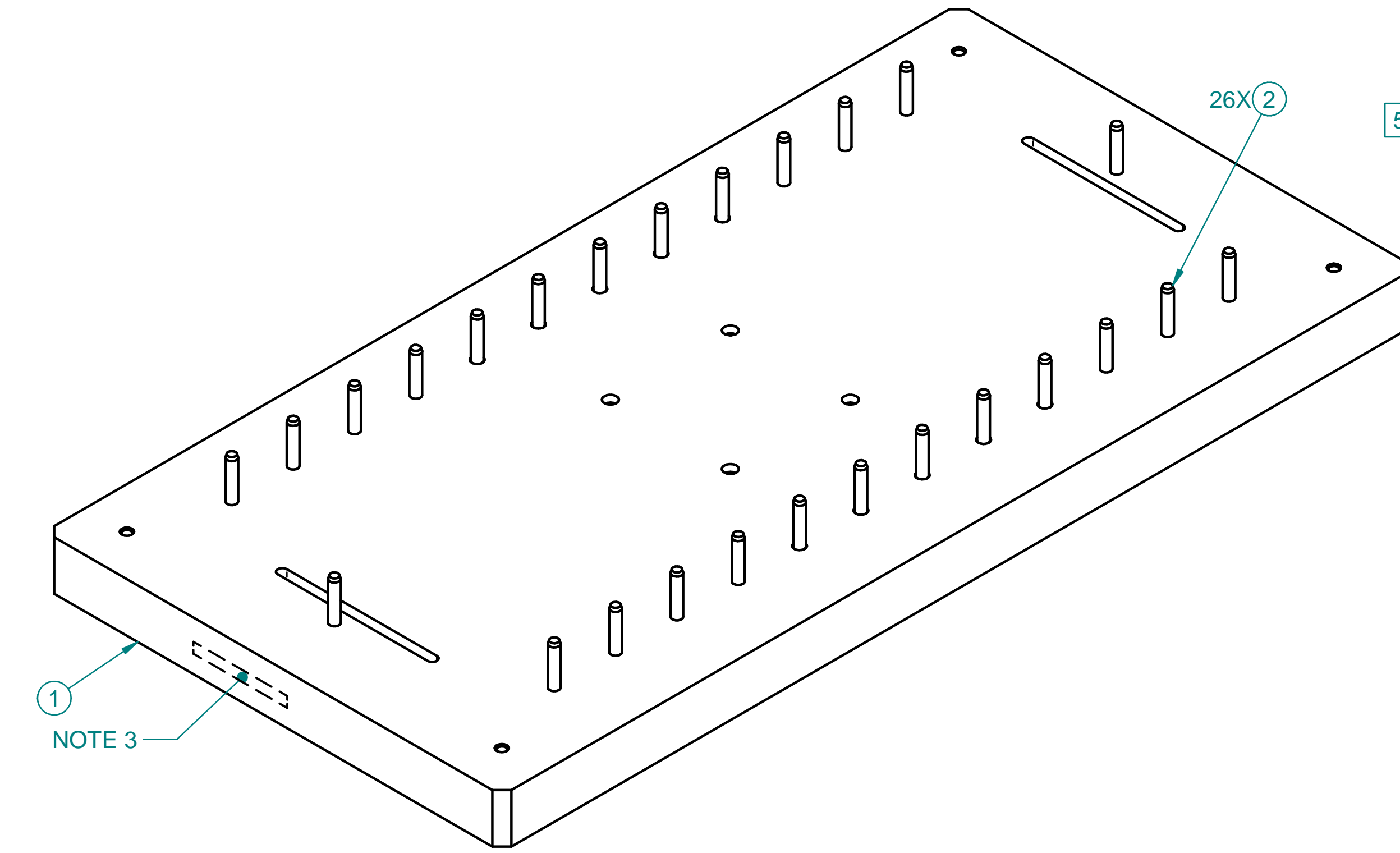
1	ALUMINUM MIC-6	1
ITEM NUMBER	TITLE OR DESCRIPTION	QTY

REF-000084561	DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		SCALE: 2:1 DO NOT SCALE DRAWING	ESTIMATED MASS: 0.04 kg	DWG TYPE: PART																
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			ATLAS INNER PIXEL MECH LOADING TOOLING MOUNTING, OB STAVE TO HF, 19-1, FAR SIDE																	
	TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF $1.6 \sphericalangle$																				
	NEXT ASSEMBLIES:	<table border="1"> <tr> <th>DIMENSIONS</th> <th>< 6</th> <th>> 6</th> <th>> 30</th> <th>> 120</th> <th>> 315</th> <th>> 1000</th> <th>> 2000</th> </tr> <tr> <td>GENERAL TOLERANCES</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>	DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20201201 APPROVALS --- --- ---	DRAWING NUMBER REF-000130646
DIMENSIONS	< 6	> 6	> 30	> 120	> 315	> 1000	> 2000														
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2														

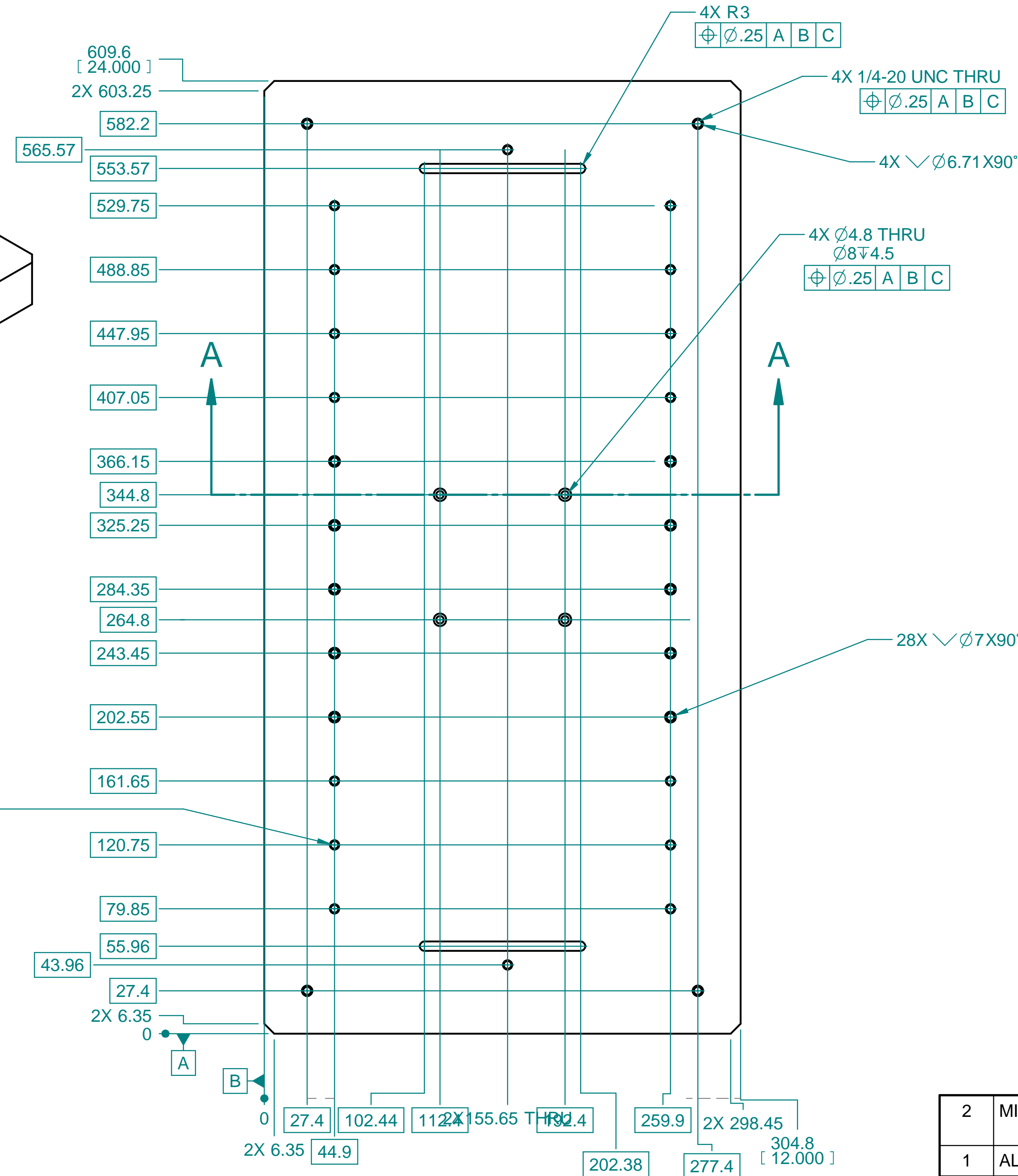
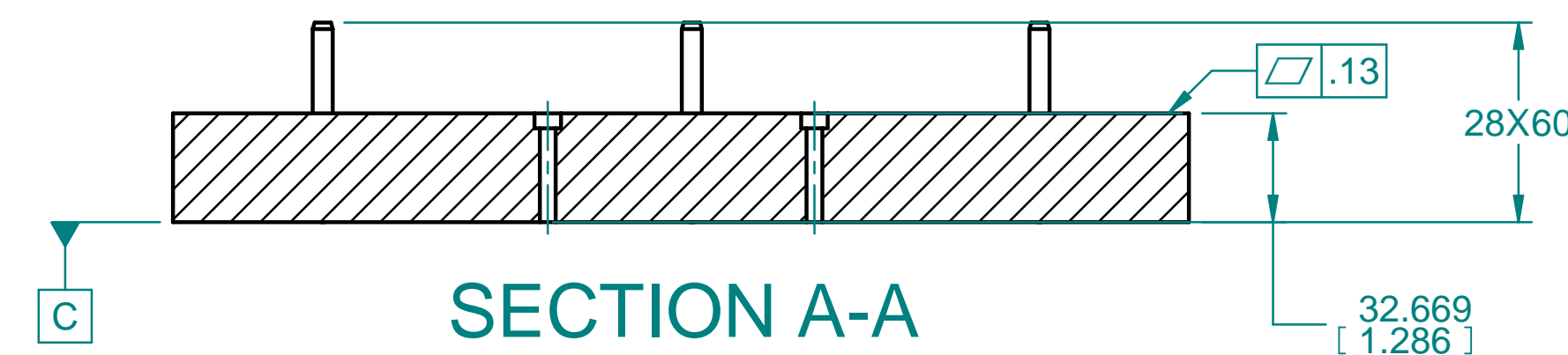
REV	DESCRIPTION	DWN	CHK	RAP	VPD	DATE
00	INITIAL DRAFT	SN				15DEC 2020

NOTES UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: SEE TABLE.
2. APPLY CHEMICAL CONVERSION COATING (ALODINE) MIL-DTL-5541 TYPE I, CLASS 1A, COLOR GOLD.
3. EMBOSS OR ENGRAVE PART AND REVISION NUMBER APPROX. WHERE SHOWN.
4. INSTALL DOWEL PINS (28 PLACES) AS SHOWN. ALL DIMENSIONS APPLY AFTER PLATING AND PINS INSTALLED. TEMPERATURE 20C±1C (68°F±2°F) DURING INSPECTION.



SCALE 1:2



26X $\phi_{5.988}^6$ PIN DIA
(5.981/5.961 HOLE DIA,
PRESS ITEM 3 INTO ITEM 1)

ϕ	$\phi_{.050}$	A	B	C
ϕ	$\phi_{.025}$	L	A	C

2	MISUMI MSH6-60	DOWEL PIN, h7 TOLERANCE, 6 DIA, 60 LG, SST	26
1	ALUMINUM MIC-6	STOCK: 24IN X 12IN X 1IN	1
ITEM	STOCK OR PART NO.	DESCRIPTION	QTY

DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5-2009		SCALE: 1:2 DO NOT SCALE DRAWING	ESTIMATED MASS: 5.915 kg	DWG TYPE: PART																		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ATLAS INNER PIXEL MECH LOADING TOOLING FIXTURE PLATE, L1, 19-1																				
TOLERANCES: BREAK EDGES 0.13 - 0.4 INTERNAL CORNERS R 0.4 MAX ANGLE ± 0.5 ALL SURF 1.6°		THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC																				
REF-000084561	<table border="1"> <tr> <td>DIMENSIONS</td> <td><6</td> <td>>6</td> <td>>30</td> <td>>120</td> <td>>315</td> <td>>1000</td> <td>>2000</td> </tr> <tr> <td>GENERAL TOLERANCES</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> <td>± 2</td> </tr> </table>	DIMENSIONS	<6	>6	>30	>120	>315	>1000	>2000	GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	ENGR NEWBRY DWN NEWBRY CHKR ---	DATE 20201201 APPROVALS --- --- ---	DRAWING NUMBER DSG-000014487	REVISION NUMBER 00	D
DIMENSIONS	<6	>6	>30	>120	>315	>1000	>2000															
GENERAL TOLERANCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2															
NEXT ASSEMBLIES:		CAD FILE NAME: DSG-000014487.dft																				