

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	CHECK-IN	2/18/2013	MAM
	B	DRAWING CHANGED TO ASSEMBLY/MOUNTING INSTRUCTIONS	3/29/2023	CJM
	C	ADDING MICROMETER AND ABLE TO ASSEMBLY	8/20/2024	NGN

AXION 1120 SINGLE-AXIS LASER MICROMETER W/ RAIL MOUNT, 14.00 IN [355.6 mm] SEPARATION

INDEX

- (1) COVER PAGE
- (2) BOM TABLE
- (3) 1120 MICROMETER MOUNTING
- (4) 1120 MICROMETER OVERALLS

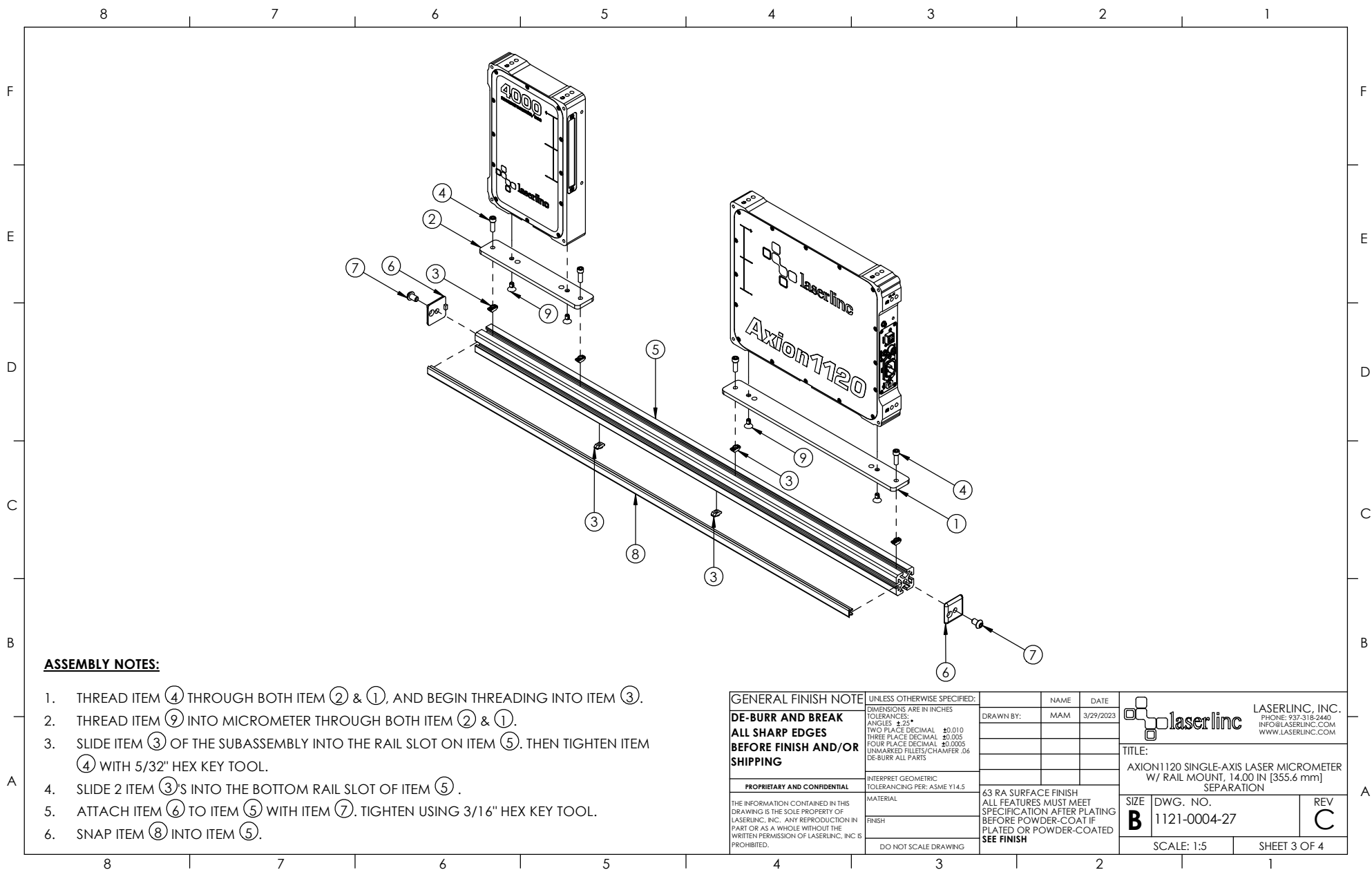
GENERAL FINISH NOTE		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DE-BURR AND BREAK ALL SHARP EDGES BEFORE FINISH AND/OR SHIPPING		DIMENSIONS ARE IN INCHES		DRAWN BY:	MAM
		TOLERANCES:			3/29/2023
		ANGLES ±.25°			
		TWO PLACE DECIMAL ±0.010			
		THREE PLACE DECIMAL ±0.005			
		FOUR PLACE DECIMAL ±0.0005			
		UNMARKED RILLETS/CHAMFER .06			
		DE-BURR ALL PARTS			
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5			
PROPRIETARY AND CONFIDENTIAL		MATERIAL		.63 RA SURFACE FINISH	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LASERLINC, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LASERLINC, INC IS PROHIBITED.		FINISH		ALL FEATURES MUST MEET SPECIFICATION AFTER PLATING BEFORE POWDER-COAT IF PLATED OR POWDER-COATED	
		DO NOT SCALE DRAWING		SEE FINISH	
TITLE:			AXION 1120 SINGLE-AXIS LASER MICROMETER W/ RAIL MOUNT, 14.00 IN [355.6 mm] SEPARATION		
SIZE B		DWG. NO. 1121-0004-27		REV C	
SCALE: 1:4			SHEET 1 OF 4		


LASERLINC, INC.
 PHONE: 937-318-2440
 INFO@LASERLINC.COM
 WWW.LASERLINC.COM

ITEM NO.	Number	DESCRIPTION	Part Location	QTY.
1	1121-3202-05	Axion1120 TX Rail Adaptor	41-B	1
2	1121-3203-05	Axion1120 RX Rail Adaptor	41-B	1
3	1121-2201-28	5-16 Slot 1-4 - 20 t-nut	40-D	6
4	0000-2228-04	1/4-20 x 3/4L SHCS SS	19-C	4
5	1121-3400-28-36	Aluminum Extrusions, 1 1/2in x 1 1/2in x 36in		1
6	1121-3401-28	Split Head 1.5x1.5 Rail End Plate	40-D	2
7	1121-2207-04	5/16-18 x 1/2L BHCS - Black Oxide	40-C	2
8	1121-2208-04-36	5/16" T-Slot Cover - Cut to 36" Length	40-A	1
9	4001-2248-04	1/4-20 x 1/2L FH SHCS SS - Thread Lock	19-E	4
10	1120-0002-00-TX	Axion1120, Single-Axis NetLinc Split-Head Micrometer		1
11	0160-0100-12-60	Axion130 / 160 / 1120 / 1240 TX-RX Interface Cable, 60in Long		1

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			DE-BURR AND BREAK ALL SHARP EDGES BEFORE FINISH AND/OR SHIPPING		DIMENSIONS ARE IN INCHES	DRAWN BY:	MAM		3/29/2023
			TOLERANCES: ANGLES ±.25° TWO PLACE DECIMAL ±0.010 THREE PLACE DECIMAL ±0.005 FOUR PLACE DECIMAL ±0.0005 UNMARKED FILLETS/CHAMFER .06 DE-BURR ALL PARTS		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		.63 RA SURFACE FINISH ALL FEATURES MUST MEET SPECIFICATION AFTER PLATING BEFORE POWDER-COAT IF PLATED OR POWDER-COATED SEE FINISH		
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						SIZE B	DWG. NO. 1121-0004-27	REV C	
						SCALE: 1:3		SHEET 2 OF 4	

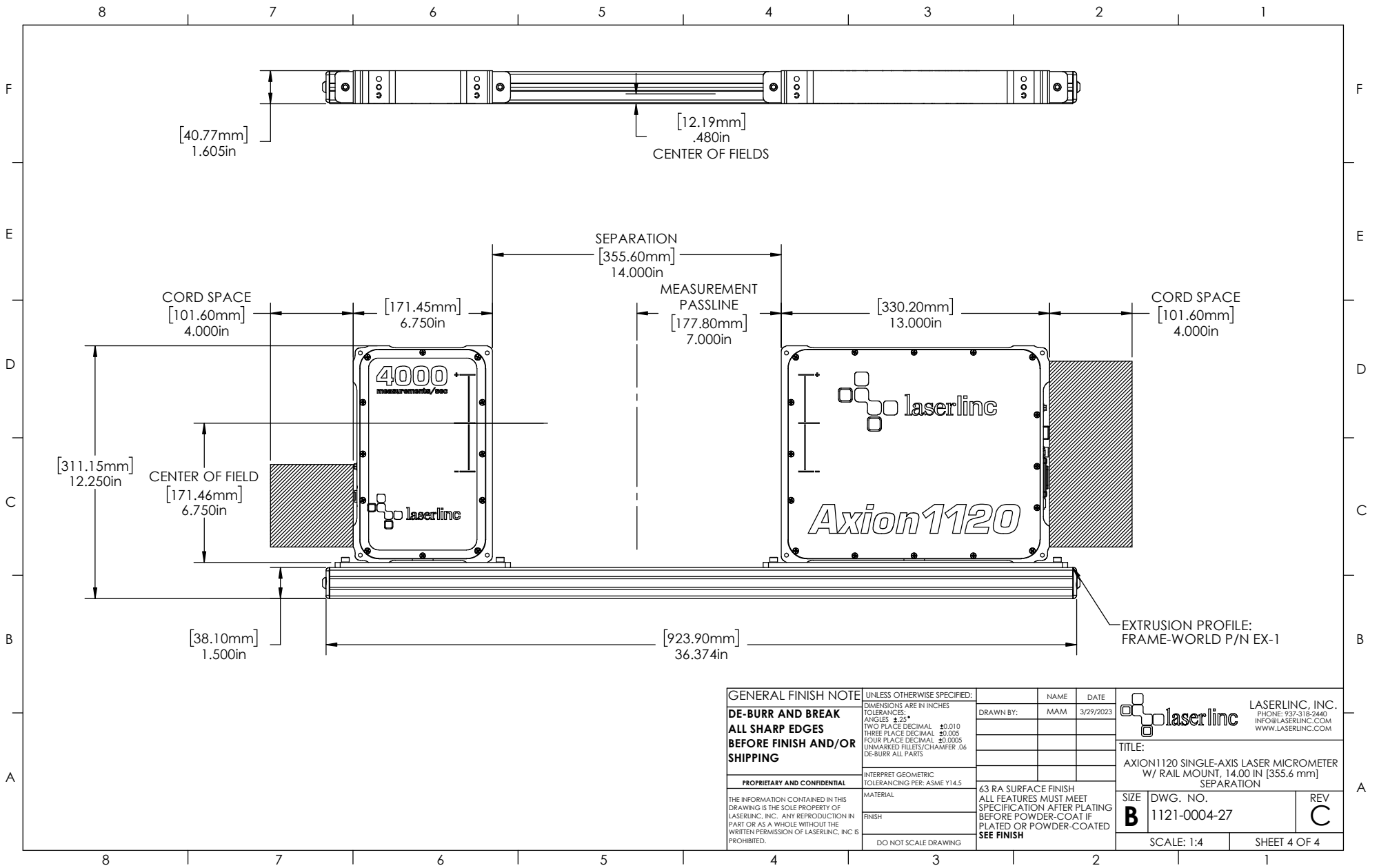
8 | 7 | 6 | 5 | 4 | 3 | 2 | 1



ASSEMBLY NOTES:

1. THREAD ITEM ④ THROUGH BOTH ITEM ② & ①, AND BEGIN THREADING INTO ITEM ③.
2. THREAD ITEM ⑨ INTO MICROMETER THROUGH BOTH ITEM ② & ①.
3. SLIDE ITEM ③ OF THE SUBASSEMBLY INTO THE RAIL SLOT ON ITEM ⑤. THEN TIGHTEN ITEM ④ WITH 5/32" HEX KEY TOOL.
4. SLIDE 2 ITEM ③'S INTO THE BOTTOM RAIL SLOT OF ITEM ⑤.
5. ATTACH ITEM ⑥ TO ITEM ⑤ WITH ITEM ⑦. TIGHTEN USING 3/16" HEX KEY TOOL.
6. SNAP ITEM ⑧ INTO ITEM ⑤.

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	PROPRIETARY AND CONFIDENTIAL INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	DRAWN BY: MAM 3/29/2023	
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		SCALE: 1:5	SHEET 3 OF 4



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			REV C
		SCALE: 1:4	SHEET 4 OF 4