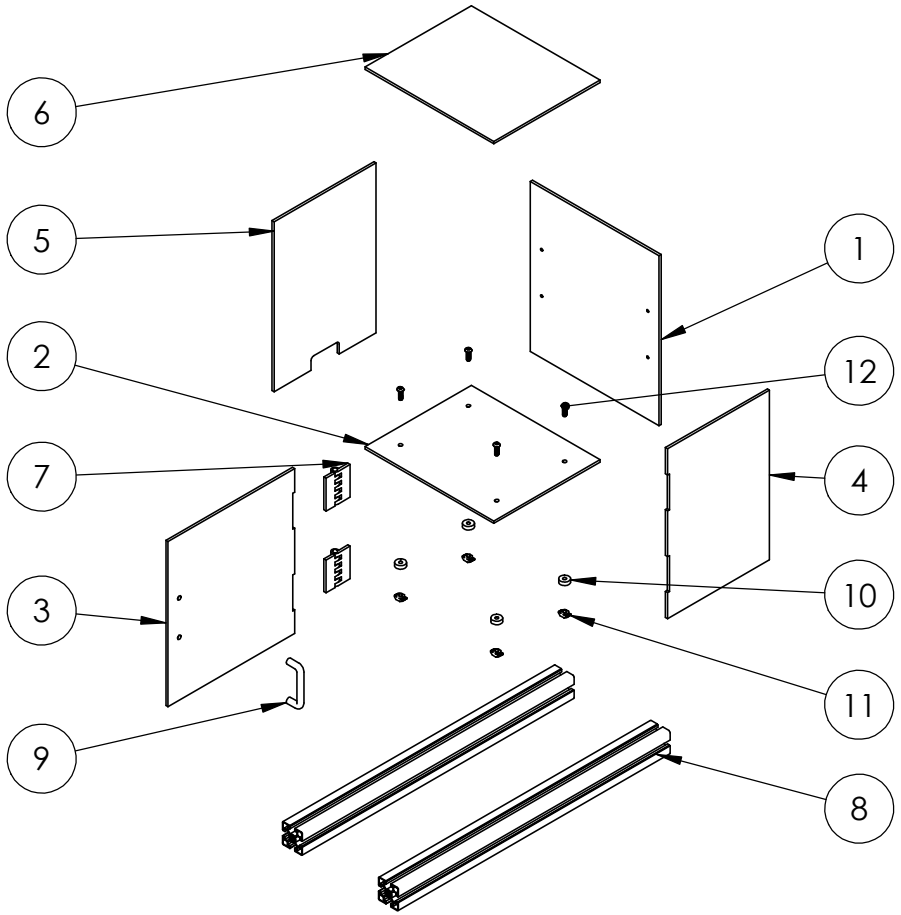
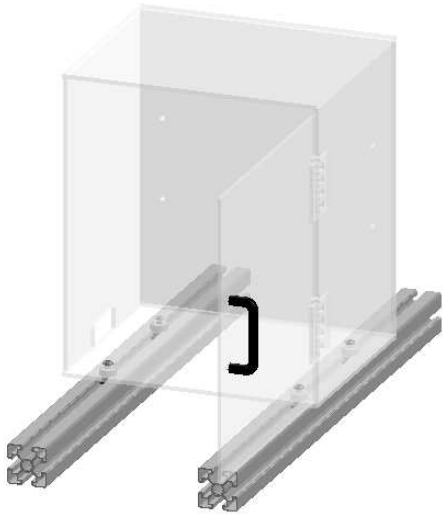
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	back	back	1
2	bottom	bottom	1
3	front	front	1
4	right	right	1
5	left	left	1
6	top	top	1
7	11185A18	Plastic Surface-Mount Hinge without Holes	2
8	5537T106	80/20 45 Series	2
9	11945A11	Round-Grip Pull Handle with Threaded Holes	1
10	95571A550	Cushioning Felt Washer 1/4" Screw Size	4
11	8020-13120-DEFAULT	45 Series Drop-In T-Nut 1/4-20	4
12	92949A540	Button-Head Socket Cap Screw 1/4"-20 x 3/4"	4



SCALE 1:8



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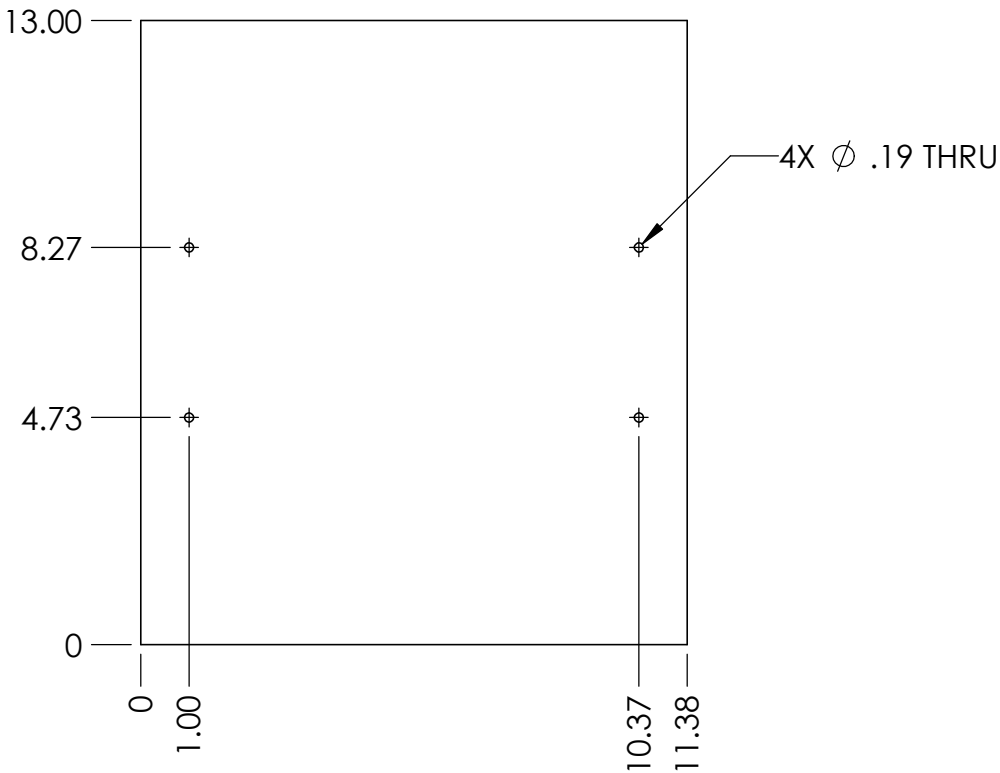
	DATE	4/28/2015
	APPLICATION	
INTERPRET GEOMETRIC TOLERANCING PER:	NEXT ASSY	
MATERIAL		
FINISH	SUBSYSTEM	
DO NOT SCALE DRAWING	COMMENTS: use syrup-thick acrylic cement; 80/20 pieces represent bottom of CERT cart frame	

Carbon Fiber 3D Printing

TITLE:
FANUC I/O Cabinet

SIZE	FILE NAME	REV
A	IO cabinet	1.0
SCALE: 1:12	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN BY	J. Song
	DATE	4/28/2015
	APPLICATION	
	NEXT ASSY	FANUC I/O cabinet
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL ABS PC	SUBSYSTEM	
FINISH	COMMENTS: 3/16" thick	
DO NOT SCALE DRAWING		

Carbon Fiber 3D Printing

TITLE:

back

SIZE	FILE NAME	REV
A	back	1.1

SCALE: 1:4 | WEIGHT: 485.79 | SHEET 1 OF 1

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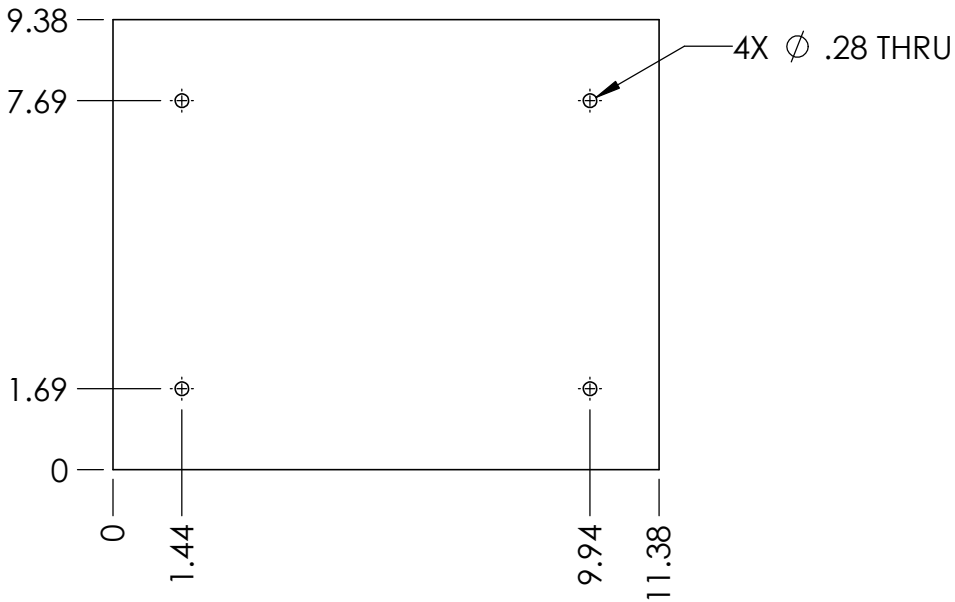
5 4 3 2 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN BY	J. Song	Carbon Fiber 3D Printing
	DATE	4/28/2015	TITLE: bottom
	APPLICATION		
	NEXT ASSY	FANUC I/O cabinet	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL ABS PC	SUBSYSTEM		SIZE A / FILE NAME bottom / REV 1.1
FINISH	COMMENTS: 3/16in thick		SCALE: 1:4 / WEIGHT: 0.77 / SHEET 1 OF 1
DO NOT SCALE DRAWING			

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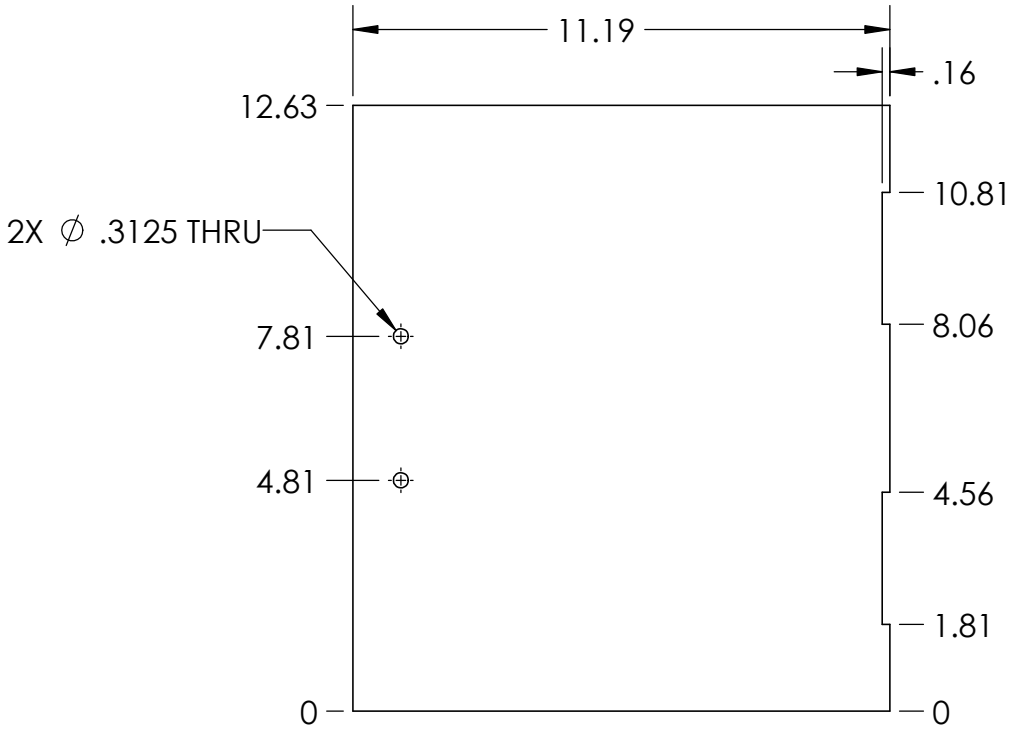
5 4 3 2 1



UNLESS OTHERWISE SPECIFIED:	DRAWN BY	J. Song
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DATE	4/28/2015
	APPLICATION	
INTERPRET GEOMETRIC TOLERANCING PER:	NEXT ASSY	
MATERIAL ABS PC	SUBSYSTEM	
FINISH	COMMENTS: 3/16" thick	
DO NOT SCALE DRAWING		

Carbon Fiber 3D Printing

TITLE:

front

SIZE	FILE NAME	REV
A	front	1.1

SCALE: 1:4	WEIGHT: 1.02	SHEET 1 OF 1

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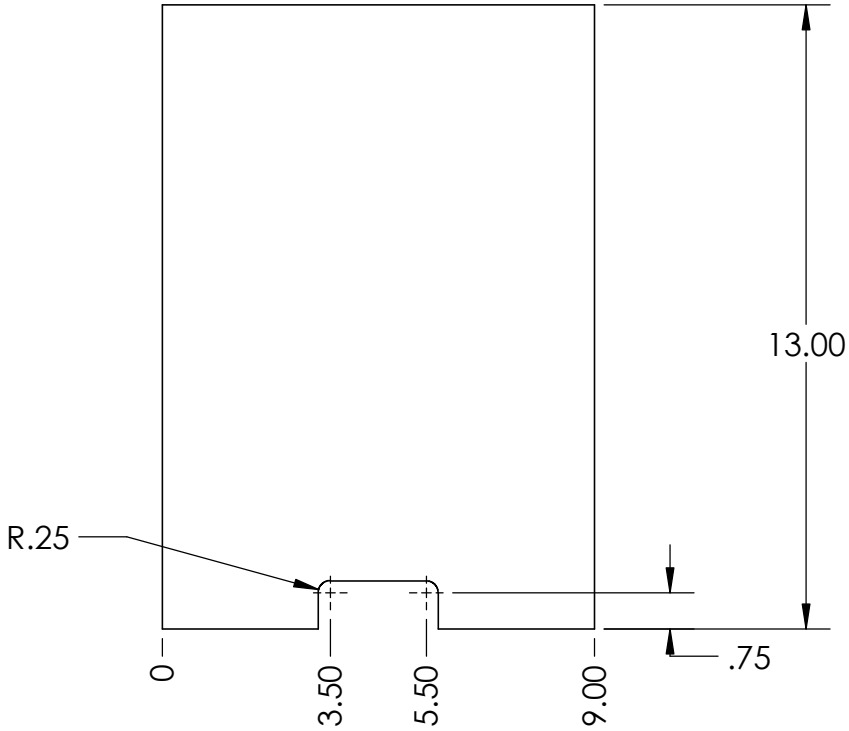
4 3 2 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN BY	J. Song
	DATE	4/28/2015
	APPLICATION	
	NEXT ASSY	FANUC I/O cabinet
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL ABS PC	SUBSYSTEM	
FINISH	COMMENTS: 3/16in thick	
DO NOT SCALE DRAWING		

Carbon Fiber 3D Printing

TITLE:

left

SIZE	FILE NAME	REV
A	left	1.1

SCALE: 1:4 | WEIGHT: 0.83 | SHEET 1 OF 1

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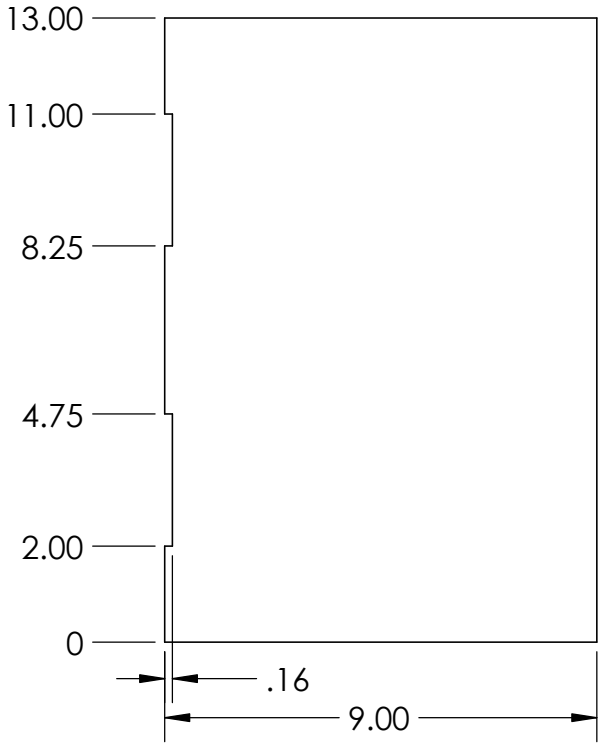
5 4 3 2 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN BY	J. Song
	DATE	4/28/2015
	APPLICATION	
	NEXT ASSY	FANUC I/O cabinet
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL ABS PC	SUBSYSTEM	
FINISH	COMMENTS: 3/16in thick	
DO NOT SCALE DRAWING		

Carbon Fiber 3D Printing

TITLE:

right

SIZE	FILE NAME	REV
A	right	1.0

SCALE: 1:4	WEIGHT: 0.84	SHEET 1 OF 1

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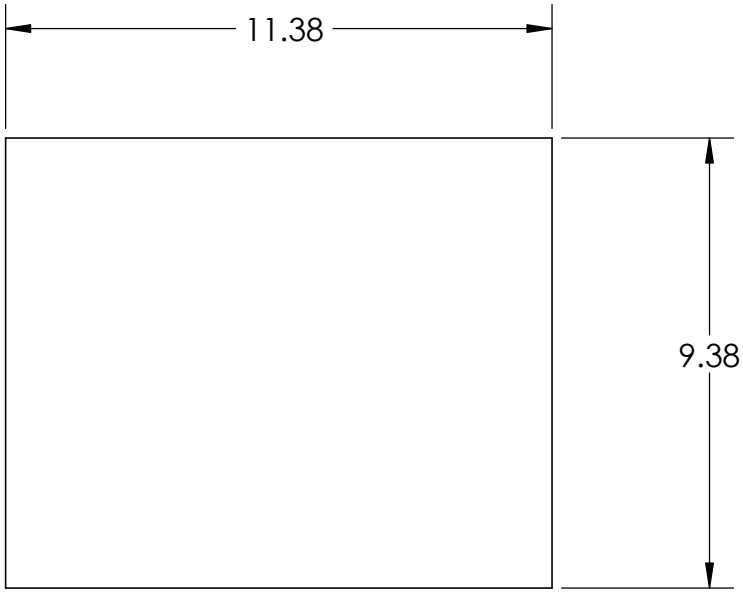
5 4 3 2 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN BY	J. Song
	DATE	4/28/2015
	APPLICATION	
	NEXT ASSY	FANUC I/O cabinet
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL ABS PC	SUBSYSTEM	
FINISH	COMMENTS: 3/16in thick	
DO NOT SCALE DRAWING		

Carbon Fiber 3D Printing

TITLE:
top

SIZE	FILE NAME	REV
A	top	1.1

SCALE: 1:4	WEIGHT: 0.77	SHEET 1 OF 1

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5 4 3 2 1