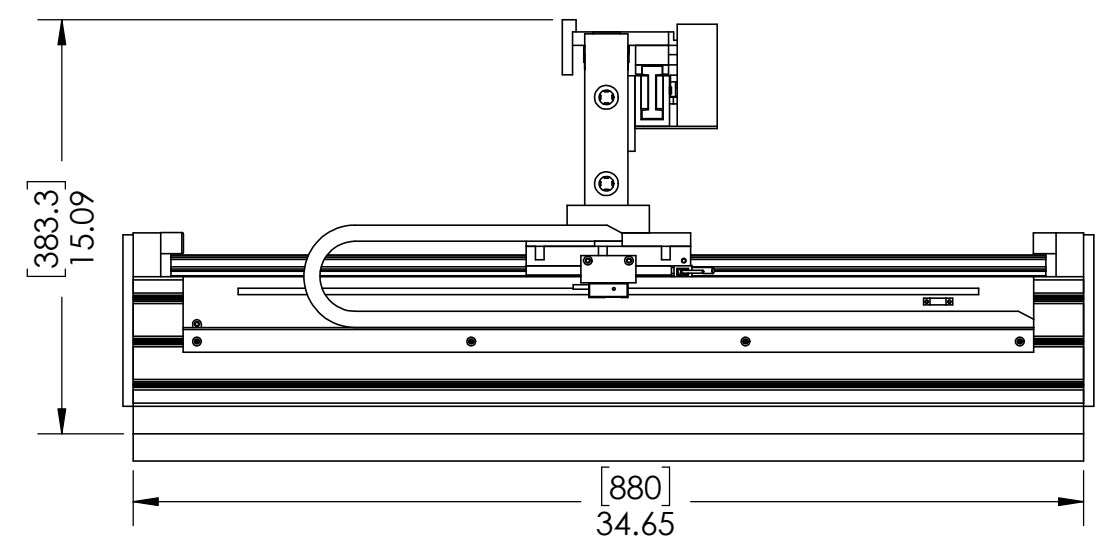
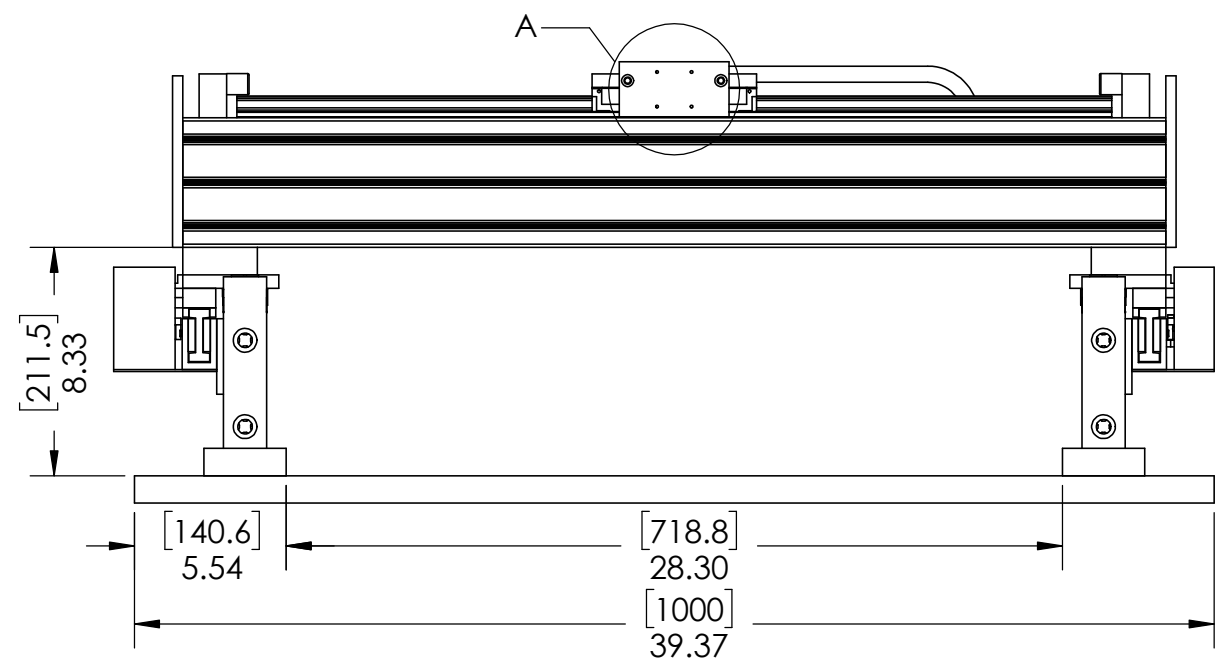
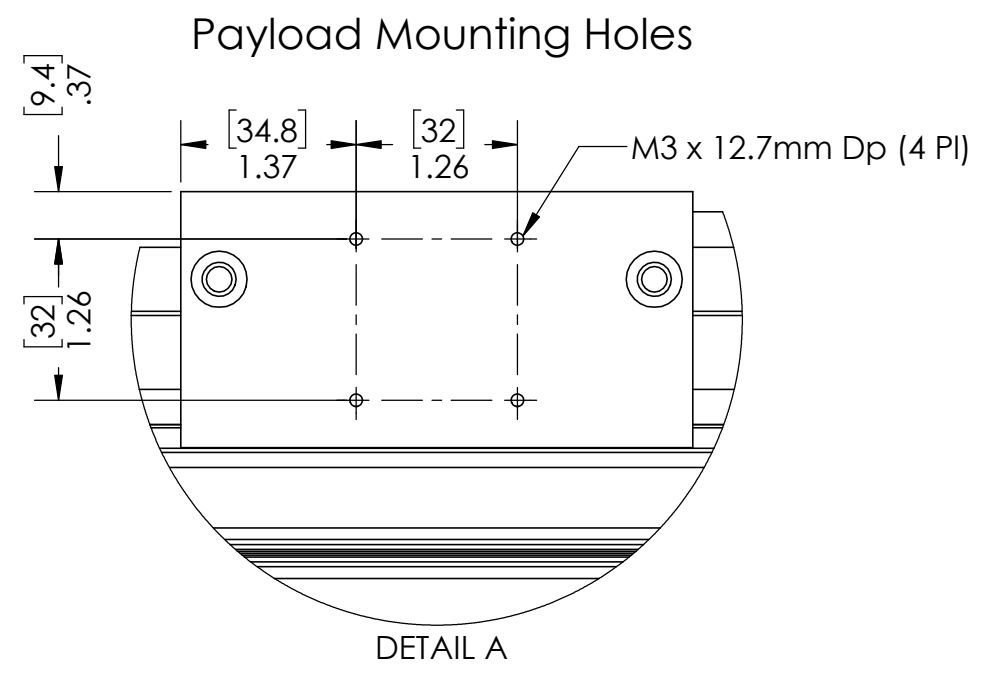
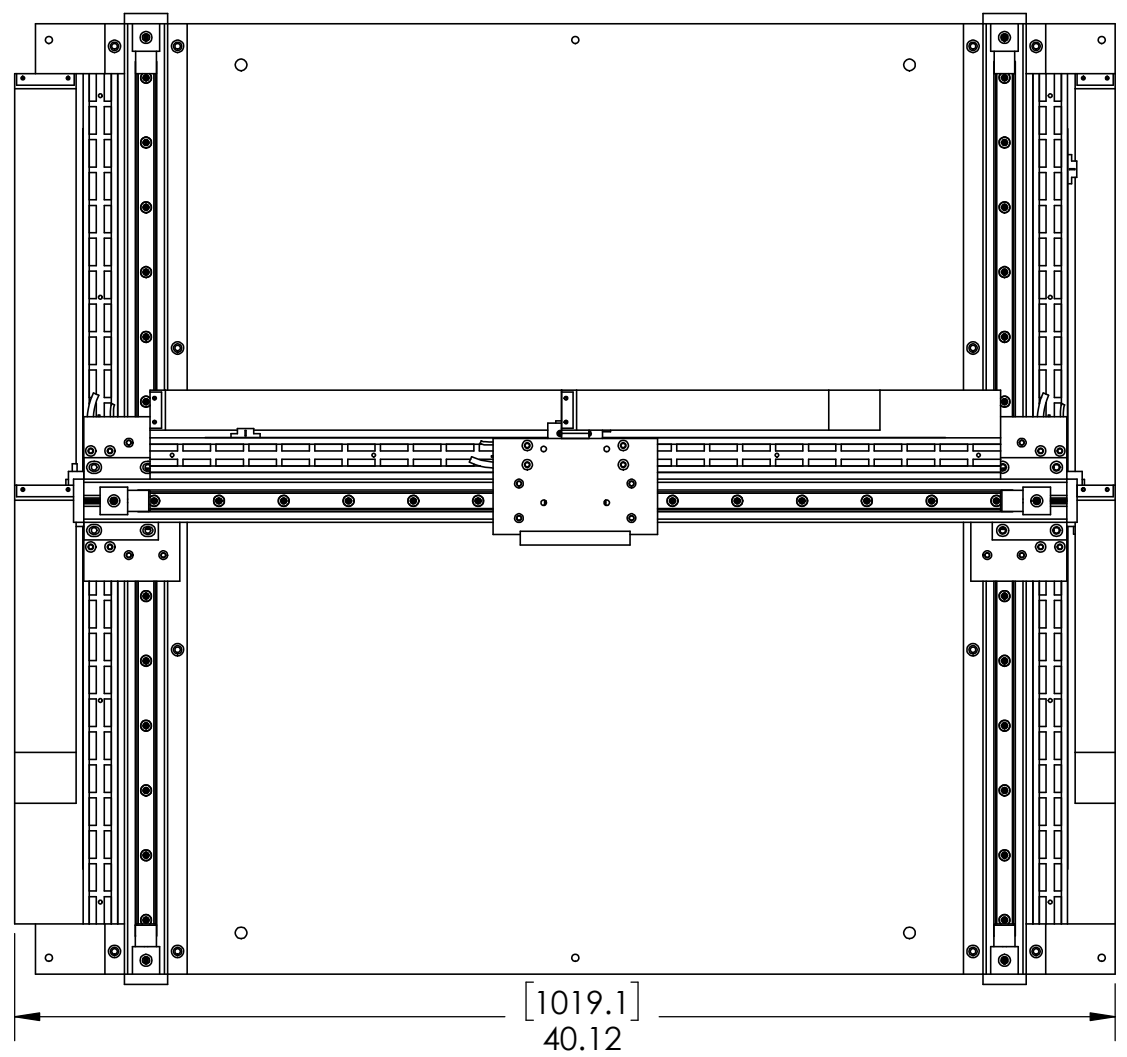


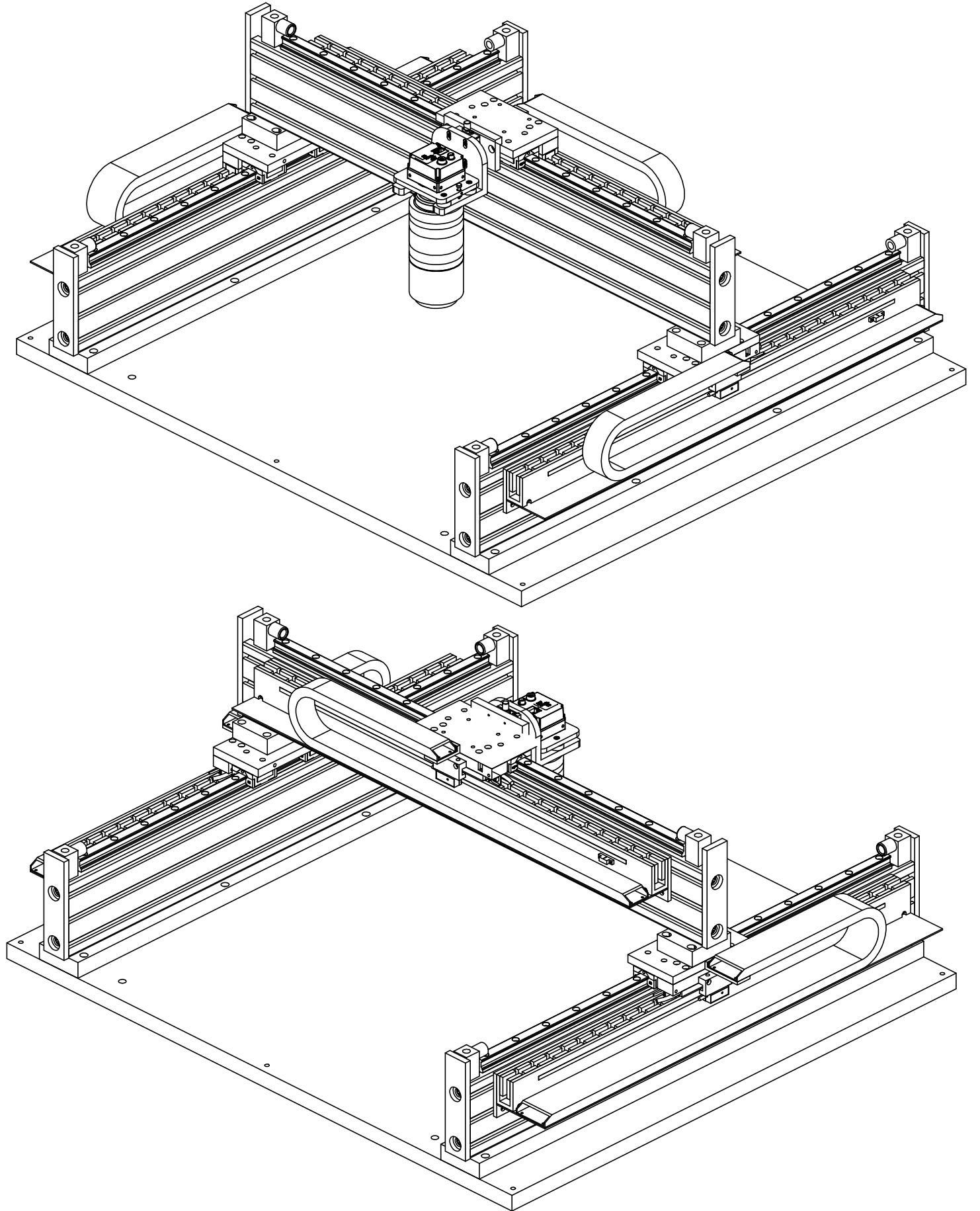
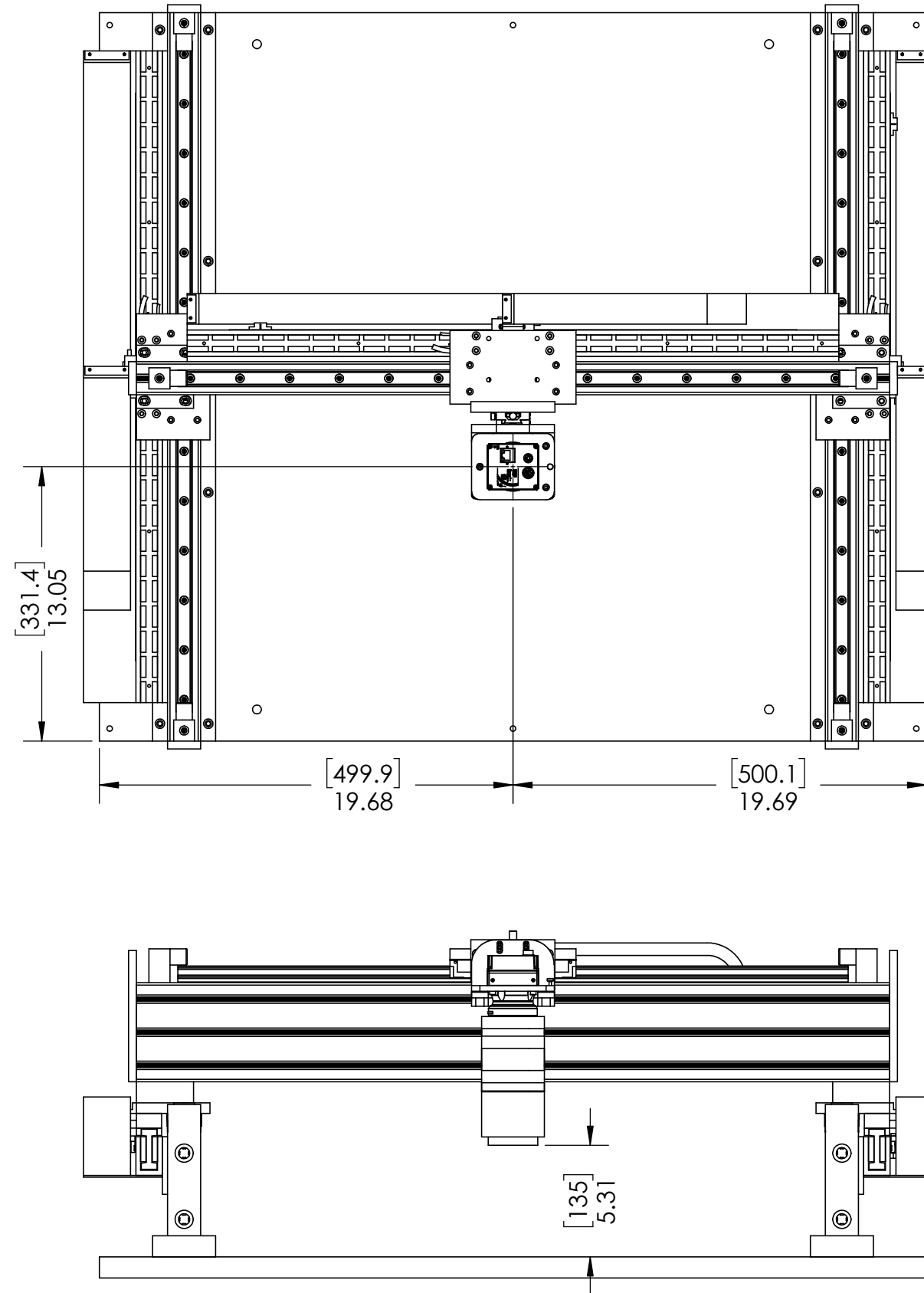
REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	10-17-17



ALL AXIS SHOWN AT MID-STROKE

Anodize Blue

Shown with Payload Mounted



ALL AXIS SHOWN AT MID-STROKE



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UNLESS SPECIFIED OTHERWISE:
 All dimensions are in inches
 Standard Tolerances are as follows
 .XXX ±.005 ANGLES ±.1°
 .XX ±.010 FILLETS .010
 .X ±.020 CORNERS .010
 Remove All Burrs and Sharp Edges

**FOR
 REFERENCE
 ONLY**

MATERIAL	
FINISH	Anodize Blue

TITLE	Single Rail Positioning Stage "H" Gantry
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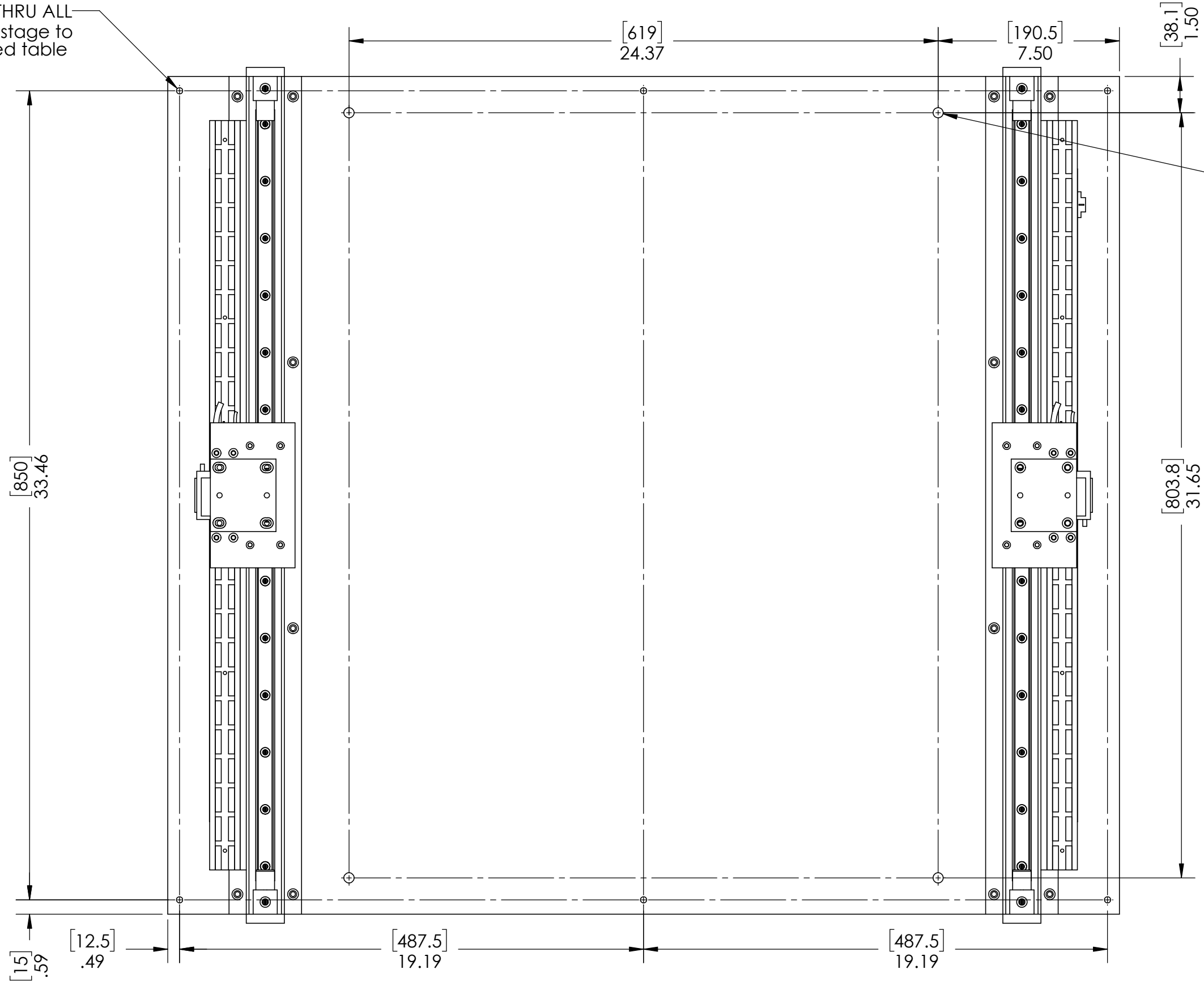
DWG #	40-0403
REV	----
DATE	10-17-17
SHEET	2 of 4

STAGE MOUNTING PROVISIONS

PARTS HAVE BEEN HIDDEN TO SHOW MOUNTING HOLES

6X ϕ .26 [6.6] THRU ALL
Used to mount stage to customer supplied table

4X ϕ .42 [10.7] THRU ALL
1/2-13 UNC THRU ALL
Used for lifting bolts and straps to easily lift and maneuver stage



1

2

3

4

5

A

A

B

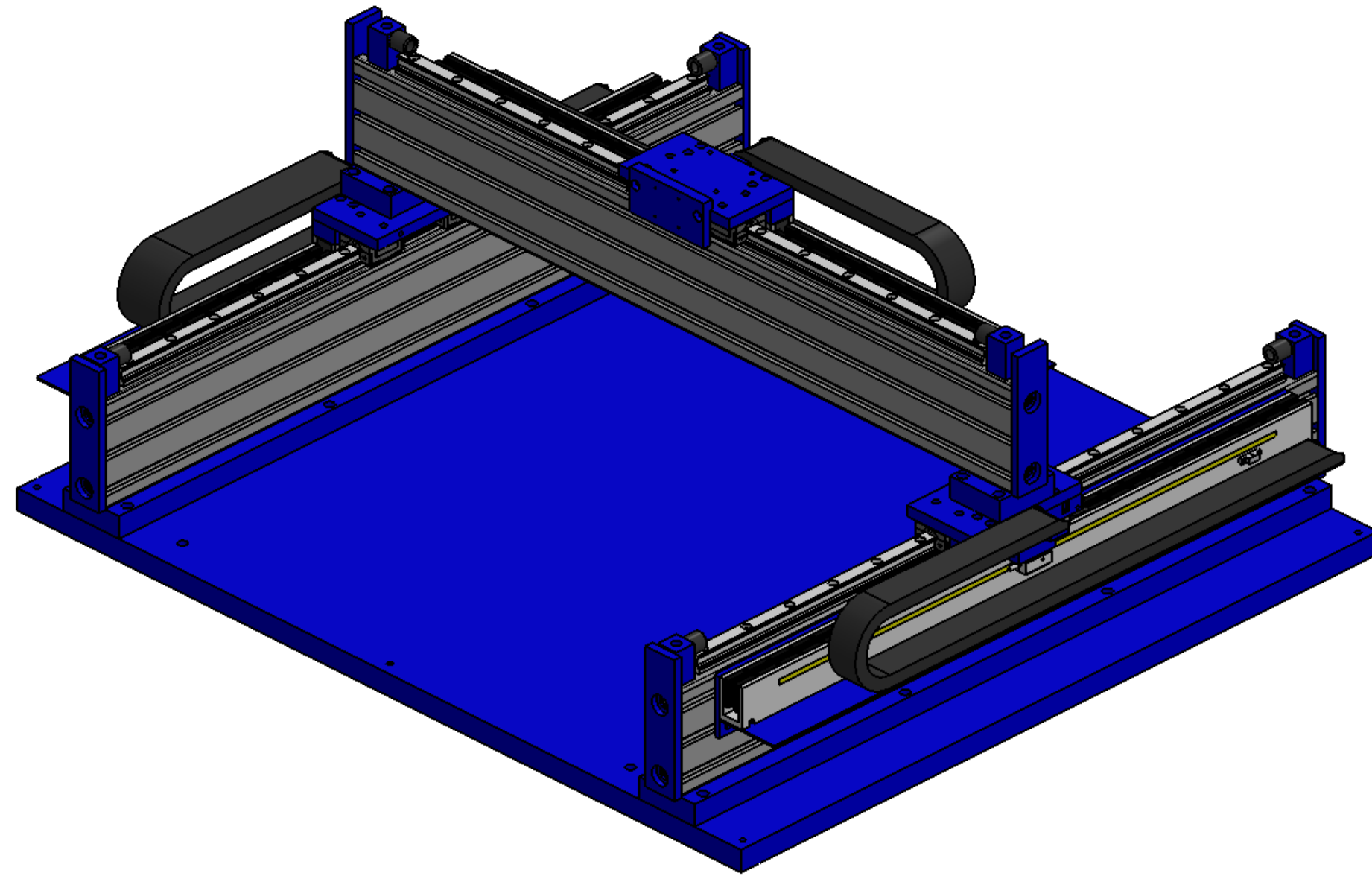
B

C

C

D

D



SINGLE RAIL POSITIONING STAGE - "H" GANTRY SPECIFICATIONS		
Motor P/N	BLDM-C04	
Stroke	25.0 in	635 mm
Encoder Resolution	0.1 micron	
Bearing Type	Recirculating Ball	
Resistance @ 20C	10.6 ohms	
Inductance @ 20C	10.1 mH	
Electrical Time Constant	1.0 msec	
Motor Constant	2.1 LBS/SQRT(Watt)	9.4 N/SQRT(Watt)
Force Constant	6.8 LBS/Amp	30.5 N/Amp
Back EMF	0.77 V/ips	30.4 V/m/sec
Force @ 100% Duty	13.0 lbs	58.0 N
Power @ 100% Duty	49.5 watts	
Current @ 100% Duty	1.9 amps	
Force @ 10% Duty	39.0 lbs	173 N
Power @ 10% Duty	445 watts	
Current @ 10% Duty	5.7 amps	
System Length	34.65 in	880 mm
System Width	39.37 in	1000 mm
System Height	15.09 in	383.3 mm
Total System Mass	260 lbs	118 kg

Note: Motor specifications are for each individual moving axis

ALL AXIS SHOWN AT MID-STROKE

Anodize Blue