

1

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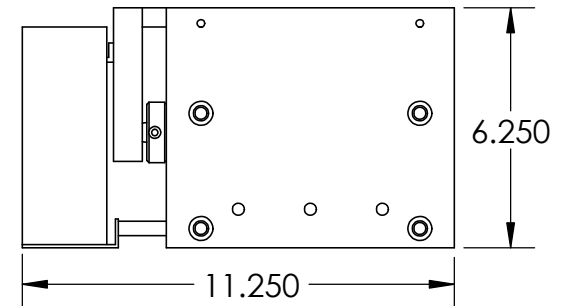
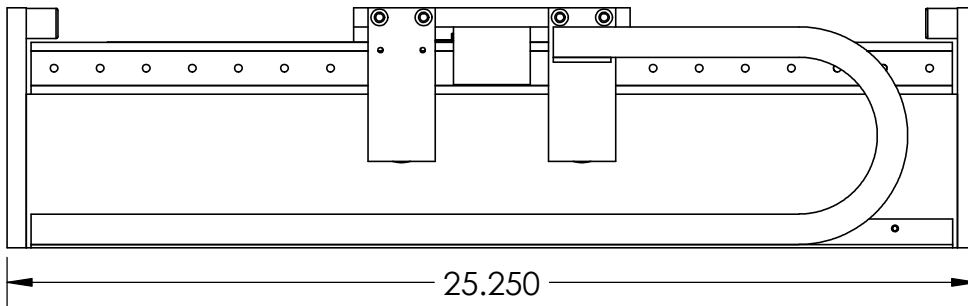
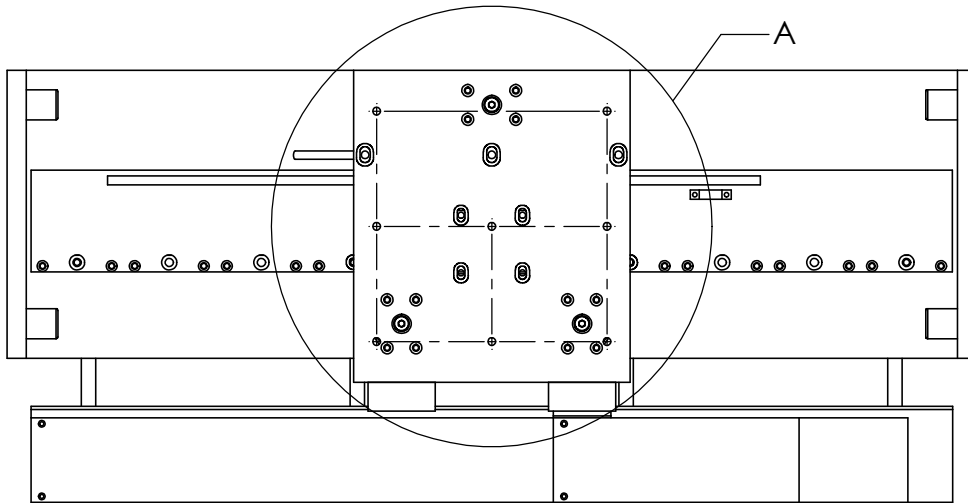
3

4

5

REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	8-28-18



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Tel: (661) 291-1620
www.h2wtech.com

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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

TITLE

ABS-015-09-030-X

DWG #

43-0207

REV

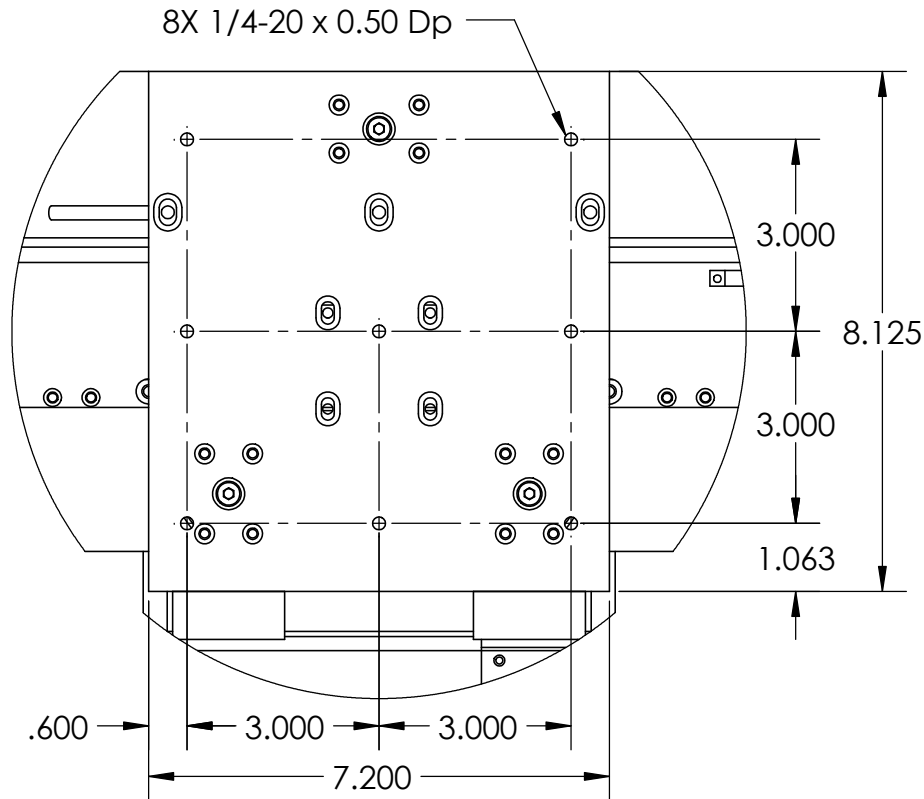
DATE

8-28-18

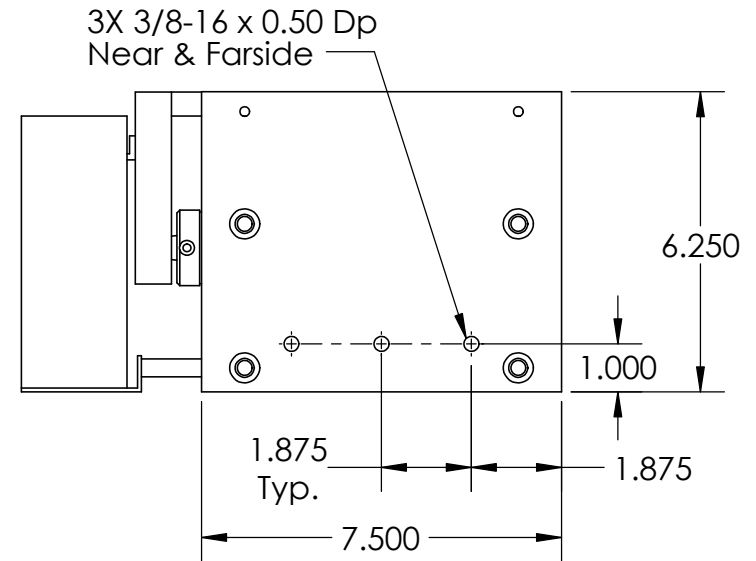
SHEET

1 of 3

MOUNTING FEATURES



DETAIL A
SCALE 1 : 3



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ABS-015-09-030-X

DWG # **43-0207**
REV ----
DATE 8-28-18 SHEET 2 of 3

1

2

3

4

5

A

B

C

D

A

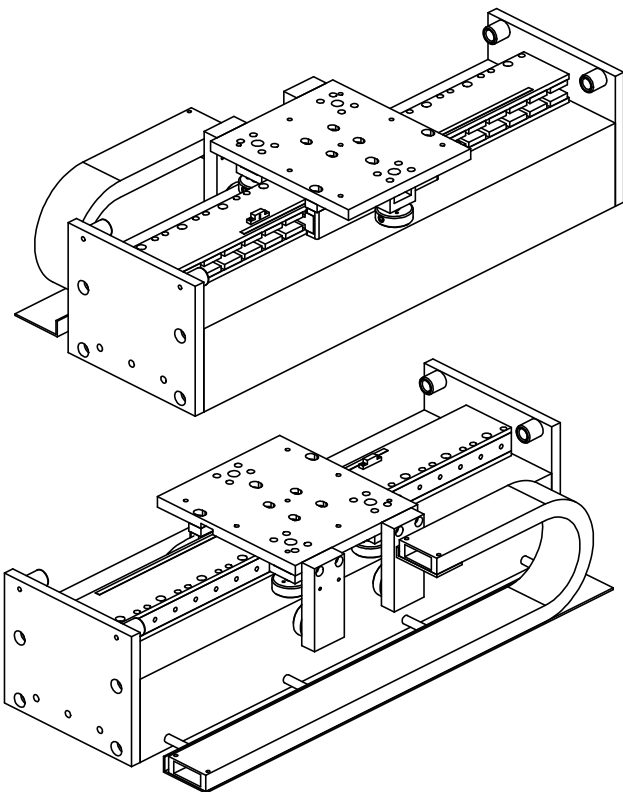
B

C

D

SINGLE RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	BLDM-D06	
Stroke	15.2 in	386 mm
Encoder Resolution	1 micron	
Bearing Type	Air Bearing	
Moving Mass	6.5 lbs	3.0 kg
Total Mass	96.0 lbs	43.5 kg
Resistance @ 20C	27.3 ohms	
Inductance @ 20C	48.3 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	3.2 LBS/SQRT(Watt)	14.2 N/SQRT(Watt)
Force Constant	16.7 LBS/Amp	74.4 N/Amp
Back EMF	1.9 V/ips	47.4 V/m/sec
Force @ 100% Duty	24.8 lbs	110 N
Power @ 100% Duty	77.6 watts	
Current @ 100% Duty	1.5 amps	
Force @ 10% Duty	74.5 lbs	331 N
Power @ 10% Duty	698 watts	
Current @ 10% Duty	4.4 amps	
Stage Length	25.25 in	641.4 mm
Stage Width	11.25 in	285.8 mm
Stage Height	6.25 in	158.8 mm



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3 of 3