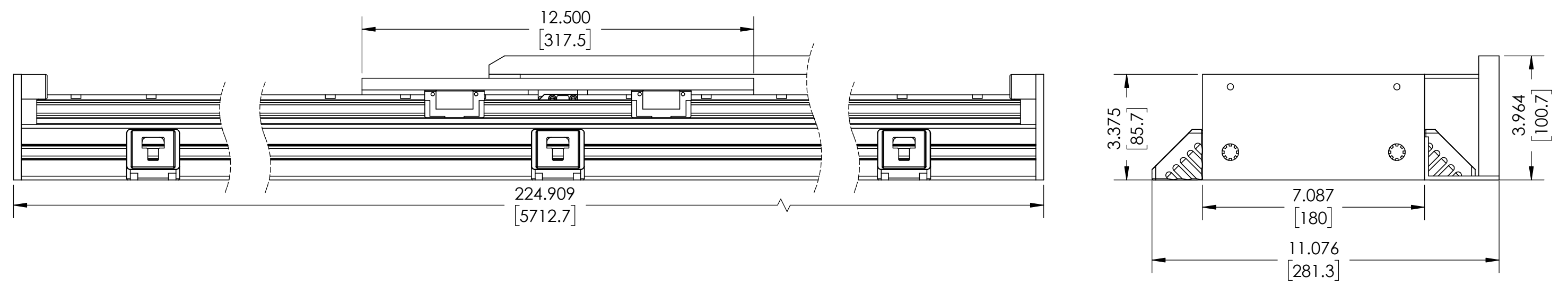
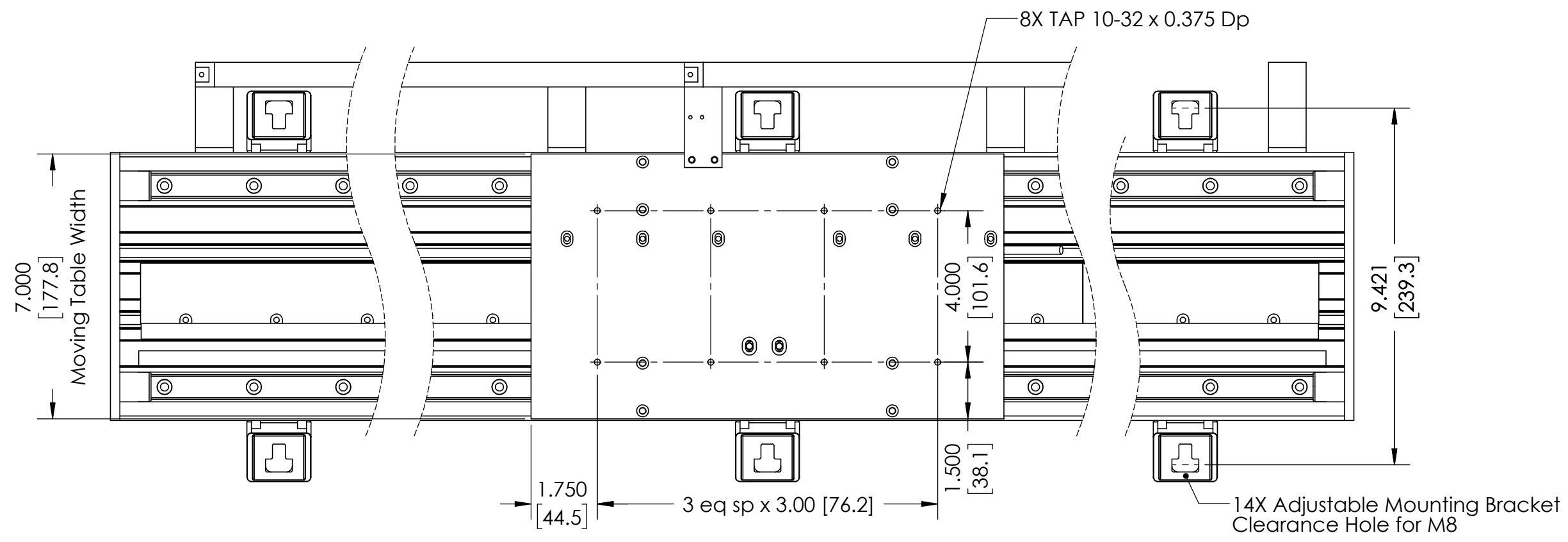


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	5-30-19



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 Santa Clarita, CA 91350 USA
 Tel: (661) 291-1620
www.h2wtech.com

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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

TITLE

Dual Rail Positioning Stage
 Model #: DRS-206-05-012-01-EX

DWG #

41-0457

REV

DATE

5-30-19

SHEET

1 of 2

1

2

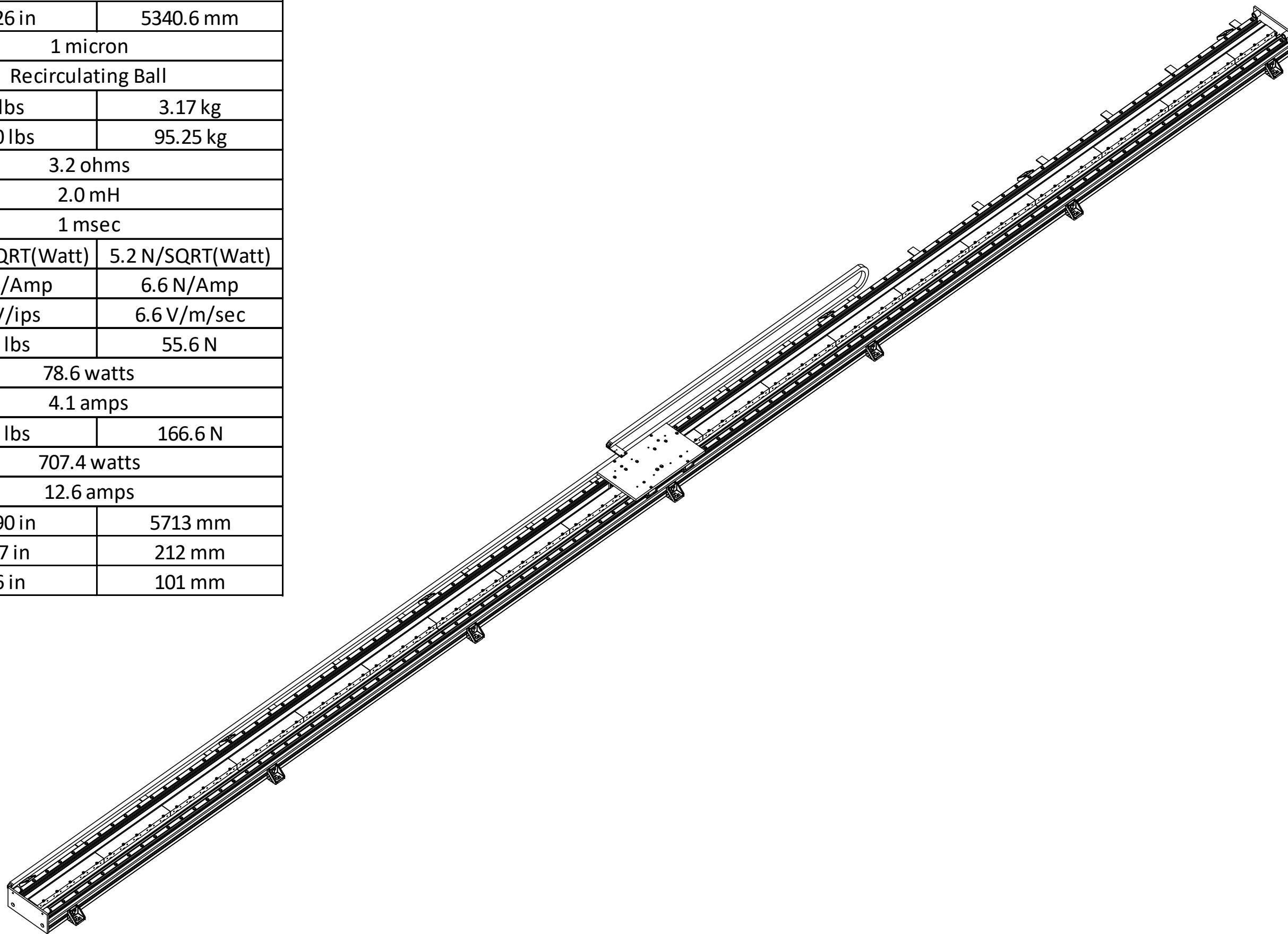
3

4

5

DUAL RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	2x BLDM-B04 (Connected in Parallel)	
Stroke	210.26 in	5340.6 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	7.0 lbs	3.17 kg
Total Mass	210.0 lbs	95.25 kg
Resistance @ 20C	3.2 ohms	
Inductance @ 20C	2.0 mH	
Electrical Time Constant	1 msec	
Motor Constant	1.17 LBS/SQRT(Watt)	5.2 N/SQRT(Watt)
Force Constant	1.5 LBS/Amp	6.6 N/Amp
Back EMF	0.17 V/ips	6.6 V/m/sec
Force @ 100% Duty	12.4 lbs	55.6 N
Power @ 100% Duty	78.6 watts	
Current @ 100% Duty	4.1 amps	
Force @ 10% Duty	37.4 lbs	166.6 N
Power @ 10% Duty	707.4 watts	
Current @ 10% Duty	12.6 amps	
Stage Length	224.90 in	5713 mm
Stage Width	8.337 in	212 mm
Stage Height	3.96 in	101 mm



A

A

B

B

C

C

D

D



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2 of 2