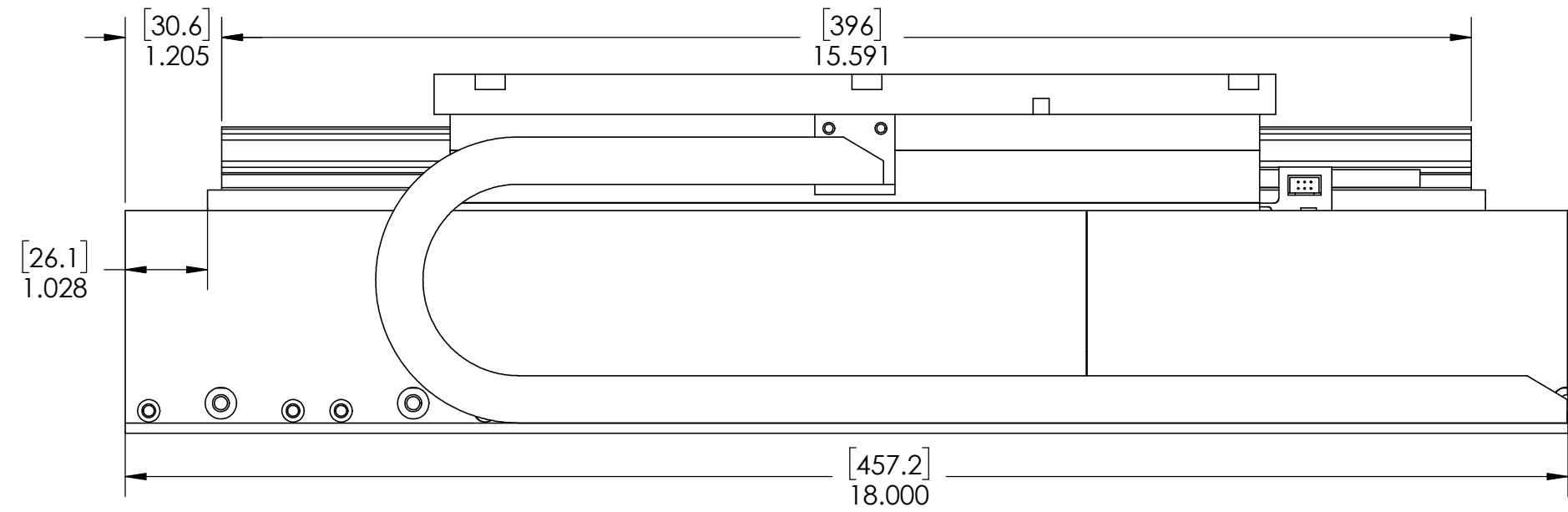
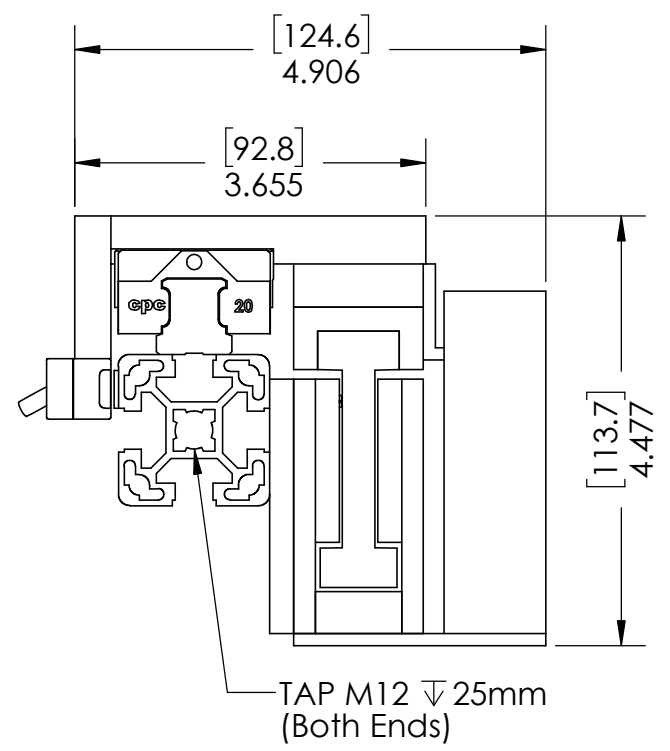
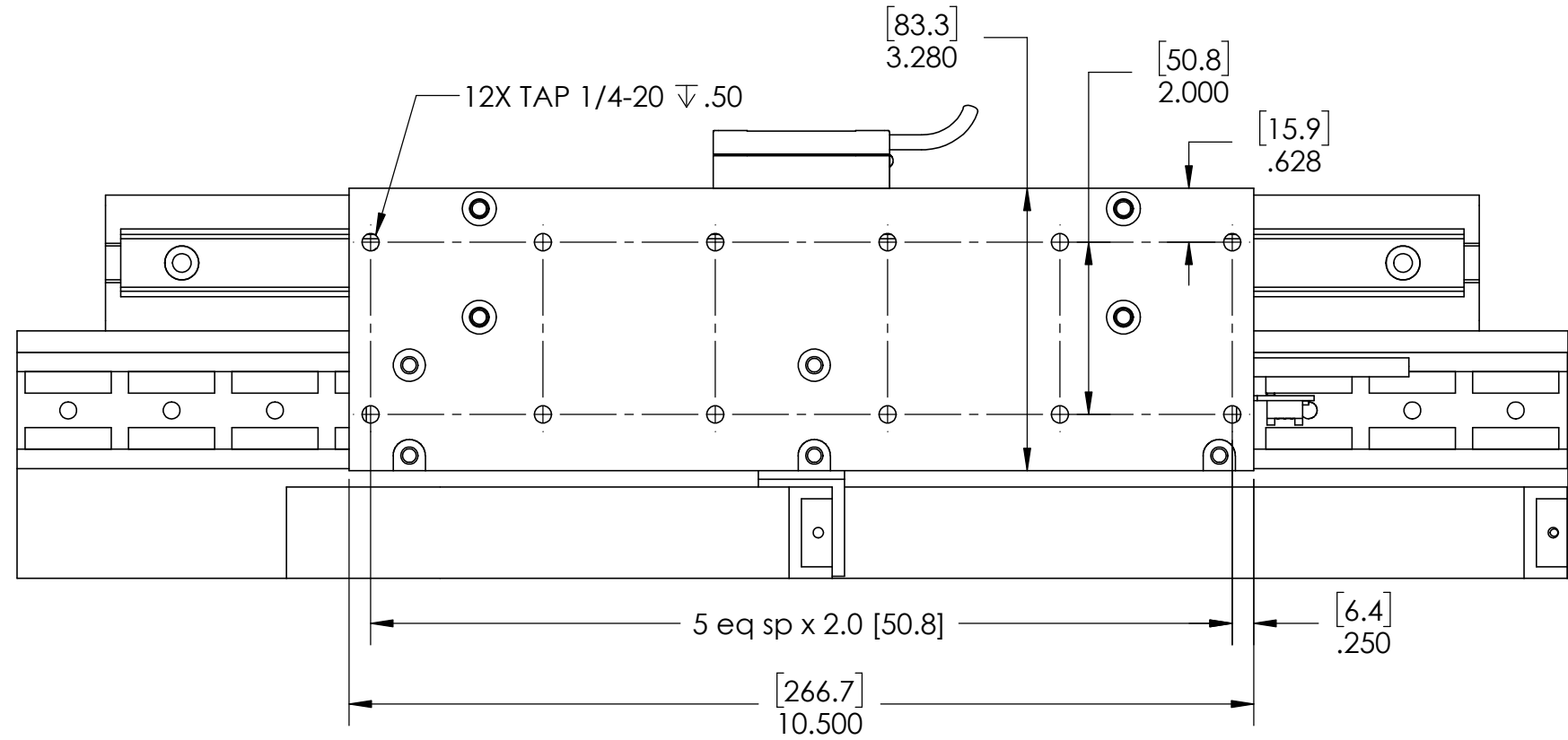


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	11-25-2020



STAGE SHOWN AT MIDSTROKE

1

2

3

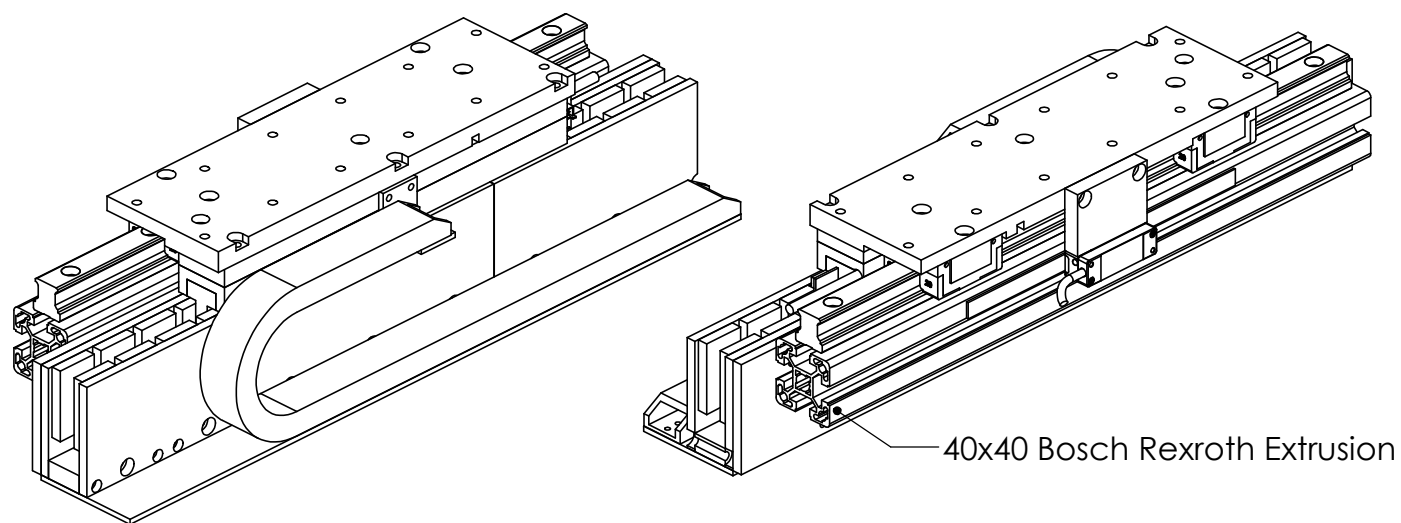
4

5

SINGLE RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	BLDM-D08*	
Stroke	5.1 in	129.5 mm
Encoder Resolution	1 micron (absolute)	
Bearing Type	Recirculating Ball	
Moving Mass	6.5 lbs	2.94 kg
Total Mass	24.0 lbs	10.88 kg
Resistance @ 20C	9.2 ohms	
Inductance @ 20C	12.0 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	3.7 LBS/SQRT(Watt)	16.4 N/SQRT(Watt)
Force Constant	11.2 LBS/Amp	49.7 N/Amp
Back EMF	1.26 V/ips	49.7 V/m/sec
Force @ 100% Duty	33.0 lbs	147 N
Power @ 100% Duty	103 watts	
Current @ 100% Duty	3.35 amps	
Force @ 10% Duty	99.0 lbs	440 N
Power @ 10% Duty	931 watts	
Current @ 10% Duty	10.0 amps	
Stage Length	22.9 in	760 mm
Stage Width	3.80 in	128.5 mm
Stage Height	4.35 in	96.7 mm

* Custom low Back EMF motor winding



H2W Technologies, Inc.
Santa Clarita, CA 91350 USA
Tel: (661) 291-1620
www.h2wtech.com

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

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**

TITLE	DWG #	40-0497-R
Single Rail Positioning Stage Model #:	REV	----
SRS-007-04-033-01 A-EX40-F03	DATE	11-25-2020
	SHEET	2 of 2