

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	12-8-05

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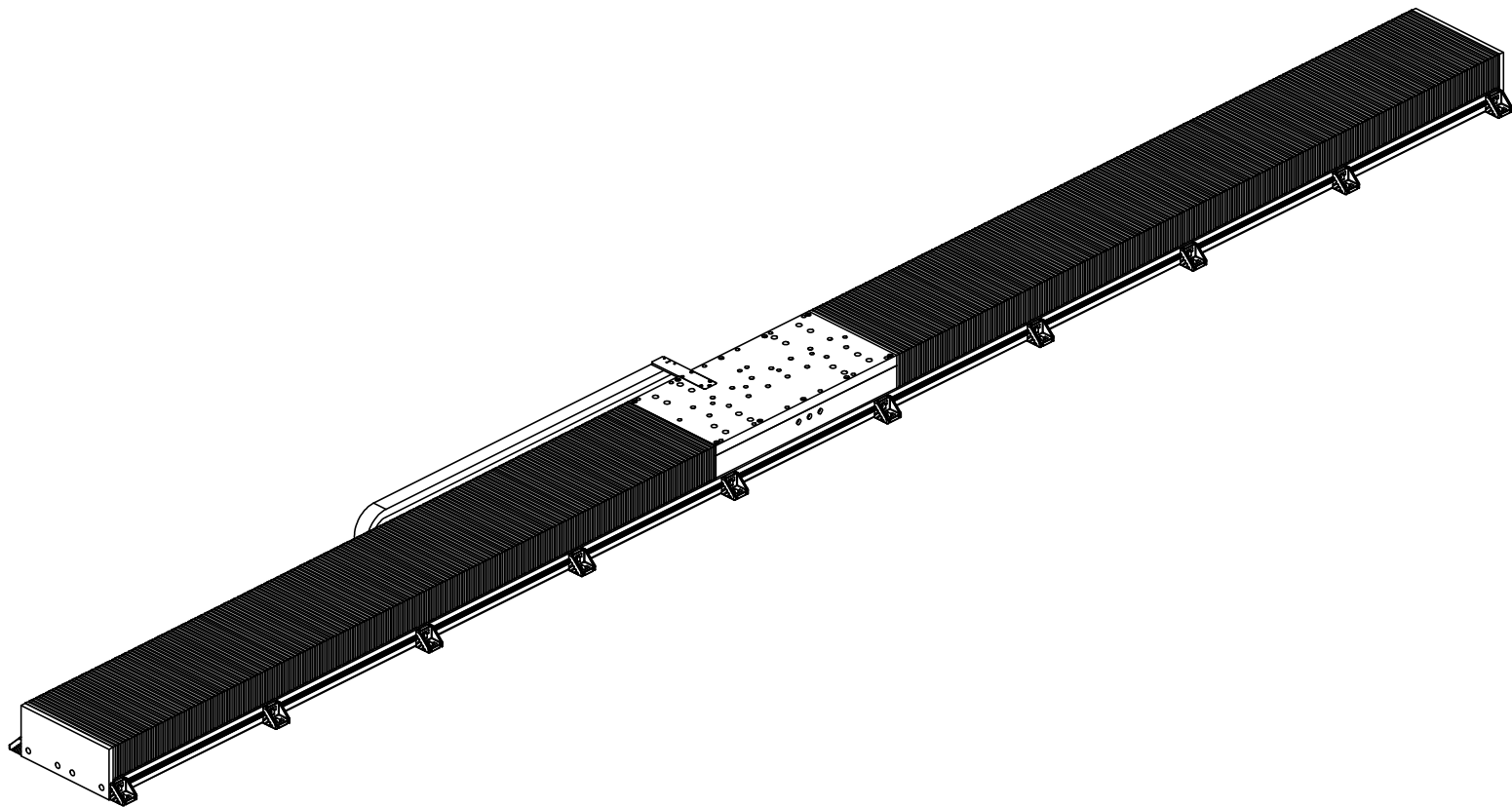
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A

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DUAL RAIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	BLSRB-02	
Stroke	120 in	3048 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	51.2 lbs	23.2 kg
Total Mass	371.2 lbs	168.4 kg
Resistance @ 20C	8.2 ohms	
Inductance @ 20C	30.8 mH	
Electrical Time Constant	3 msec	
Motor Constant	6.82 lbs/SQRT(Watt)	30.3 N/SQRT(Watt)
Force Constant	21.5 lbs/Amp	95.5 N/Amp
Back EMF	2.80 V/ips	110.2 V/m/sec
Force @ 100% Duty	186 lbs	747 N
Power @ 100% Duty	610 watts	
Current @ 100% Duty	7.8 amps	
Force @ 10% Duty	558 lbs	2241 N
Power @ 10% Duty	5490 watts	
Current @ 10% Duty	23.4 amps	
Stage Length	168 in	4267 mm
Stage Width	15.6 in	396 mm
Stage Height	5.0 in	127 mm

A

B

C

D