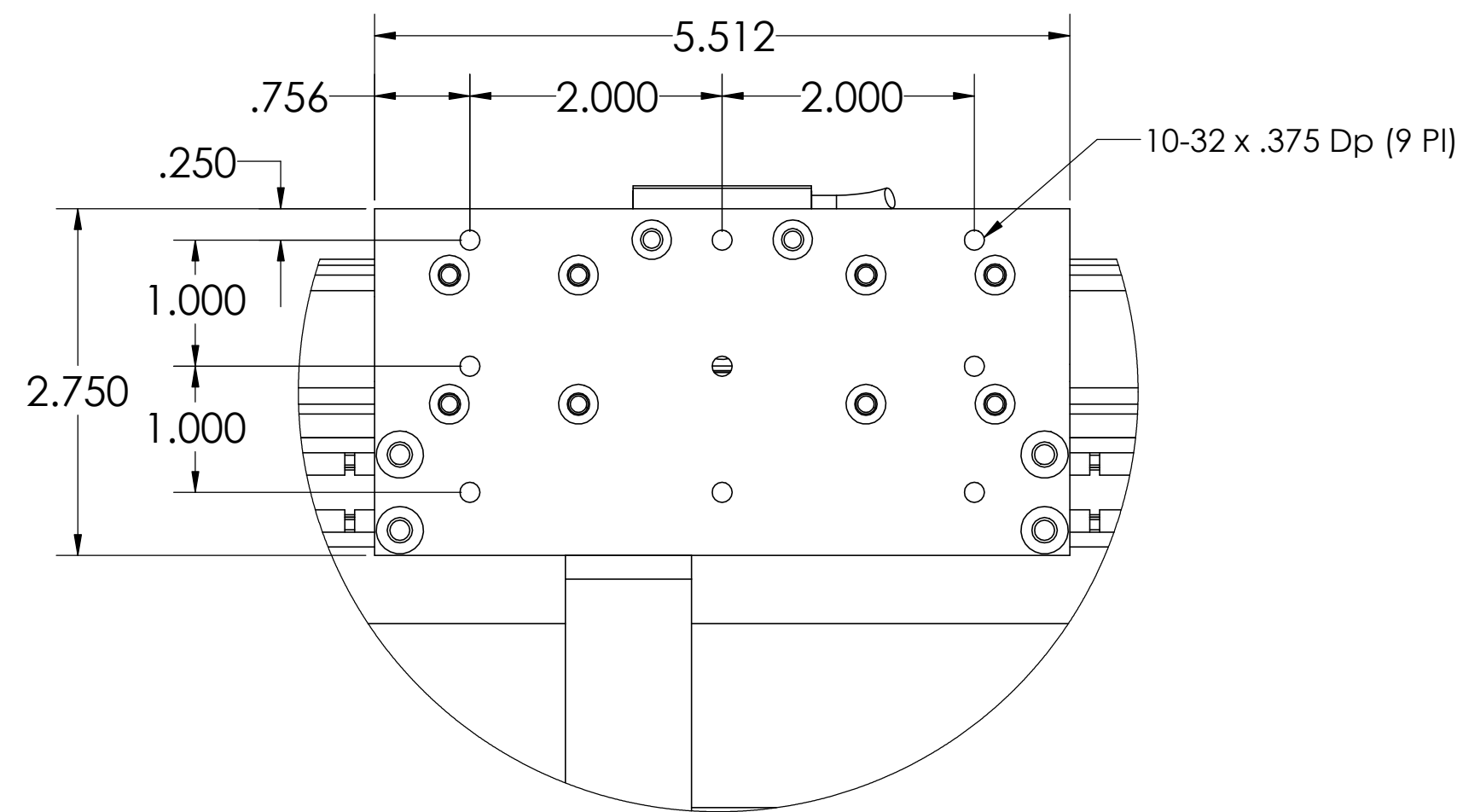
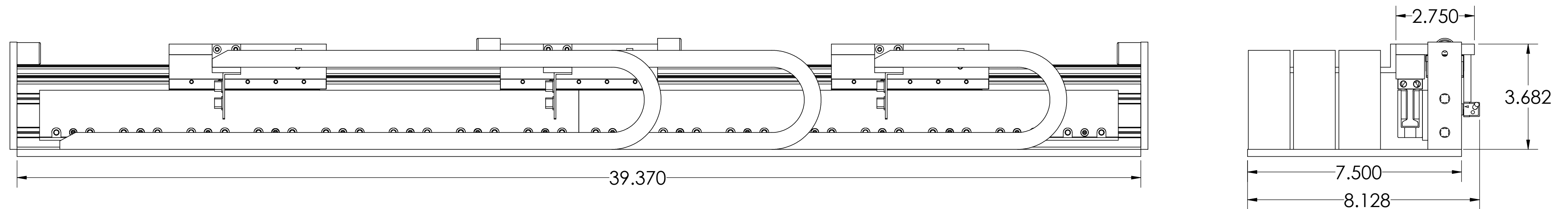
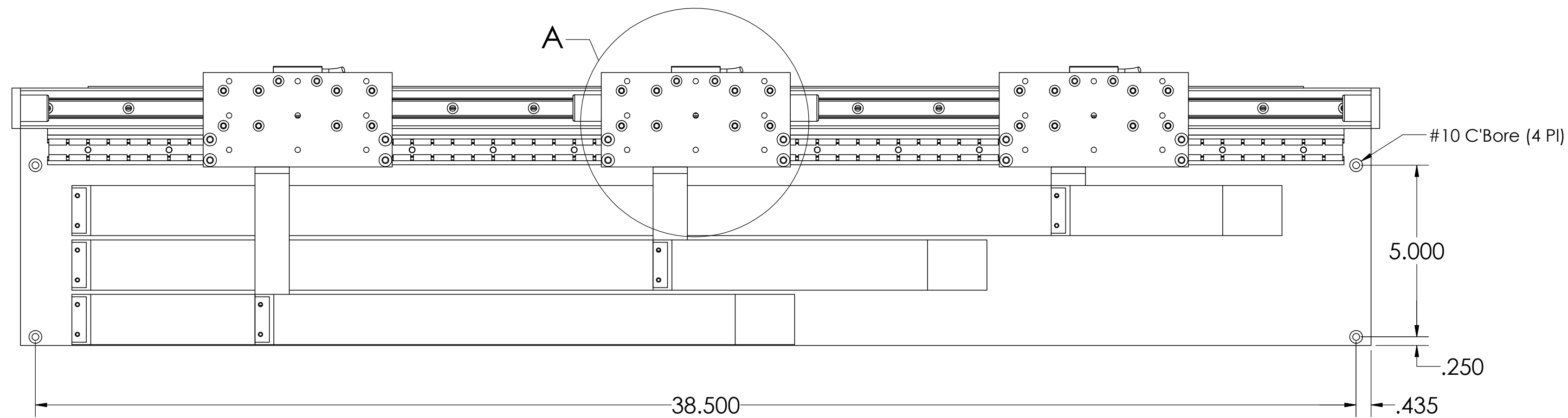


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| REVISION TABLE | | | | | |
|----------------|------|------------------|--------|----------|---------|
| REV | ECN# | DESCRIPTION | REV BY | APPROVED | DATE |
| --- | --- | Original Drawing | OOG | MPW | 9-10-13 |

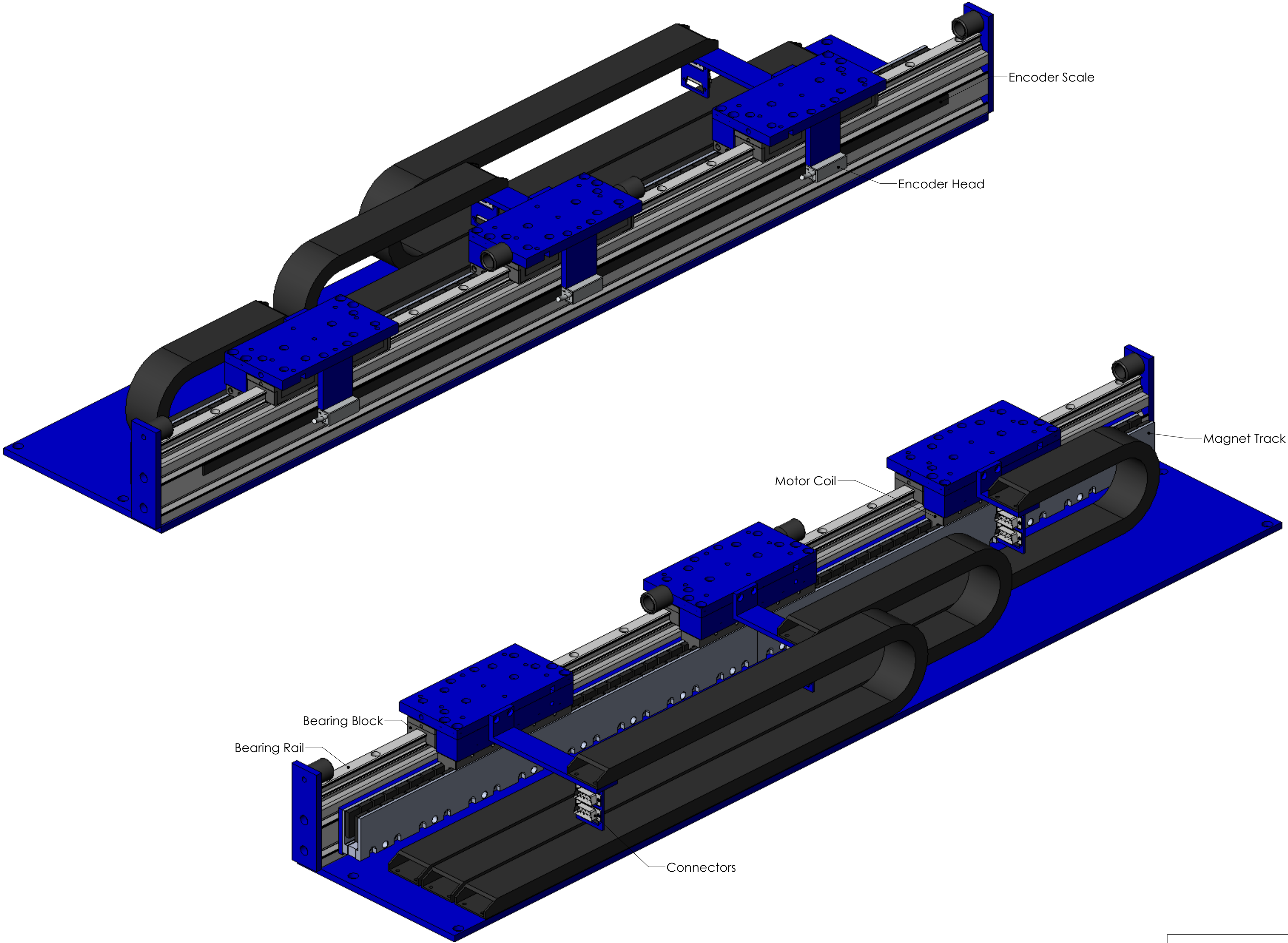


DETAIL A



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| | | | | | | | |
|---|-----------------|-----------------|-----------------|---|------------|-----------------|--|
| UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .XX ±.020 CORNERS 0.0 Remove All Burrs and Sharp Edges | | MATERIAL | | TITLE Single Rail Positioning Stage Model #: SRS-020-08-13-01-3EX | | | |
| | | FINISH | | | | | |
| DRAWN OOC | DATE 9.10.13 | APPROVED MPW | DATE 9.10.13 | DWG # 40-0260 | REV --- | SHEET 1 of 3 | |



| SINGLE RAIL POSITIONING STAGE SPECIFICATIONS | | |
|--|---------------------|------------------|
| Motor P/N | BLD-PA4 | |
| Stroke | 20 in | 508 mm |
| Encoder Resolution | 1 micron | |
| Bearing Type | Recirculating Ball | |
| Moving Mass | 2.75 lbs | 1.25 kg |
| Total Mass | 38 lbs | 17.23 kg |
| Resistance @ 20C | 29.2 ohms | |
| Inductance @ 20C | 5.0 mH | |
| Electrical Time Constant | 0.17 msec | |
| Motor Constant | 1.50 LBS/SQRT(Watt) | 6.6 N/SQRT(Watt) |
| Force Constant | 8.1 LBS/Amp | 36.0 N/Amp |
| Back EMF | 0.75 V/ips | 29.2 V/m/sec |
| Force @ 100% Duty | 13.0 lbs | 57.6 N |
| Power @ 100% Duty | 74.8 watts | |
| Current @ 100% Duty | 1.6 amps | |
| Force @ 10% Duty | 52.0 lbs | 230.4 N |
| Power @ 10% Duty | 1196 watts | |
| Current @ 10% Duty | 6.4 amps | |
| Stage Length | 39.37 in | 1000 mm |
| Stage Width | 5.12 in | 130.3 mm |
| Stage Height | 3.68 in | 93.47 mm |

NOTES:
- Motor Specs are per individual moving coil (table)
- Moving Mass is per individual moving coil (table)
- Total Mass is for entire assembly