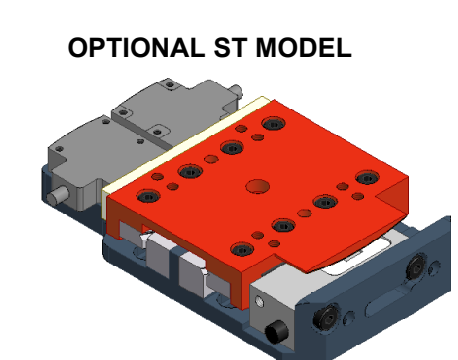
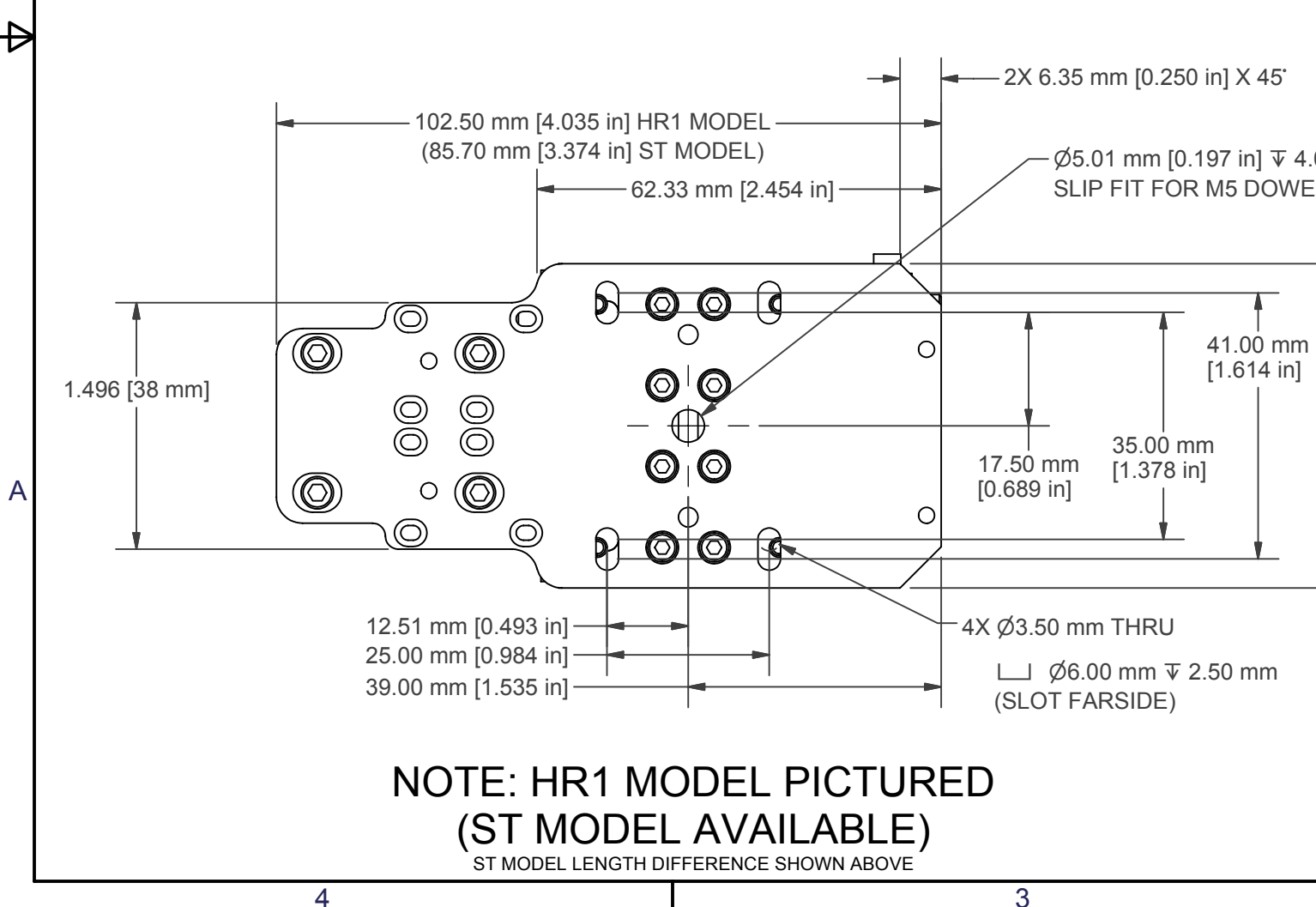


STANDARD FEATURES
 MOTOR: HR-1 - STD FORCE 3.5 N
 OPTIONAL: DUAL ST MOTOR - STD FORCE 2.5 N
 (CONSULT FACTORY FOR HIGHER FORCE)
 TRAVEL: ± 5 DEG
 SPEED: 120 DEG/SEC
 ENCODER RESOLUTION: 0.017 ARC-SEC TO 17 ARC-SEC
 0.017 ARC-SEC USING 4096 INTERPOLATION
 (CONTROLLER DEPENDENT)
 SYSTEM REPEATABILITY: +/- 2 ENCODER COUNT
 (CONTROLLER DEPENDENT)
 HOME SENSOR: STANDARD
 BEARINGS: PRECISION ARCHED CROSS ROLLER
 BEARING DYNAMIC LOAD RATING: 1.1kN
 SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT
 PLEASE CONSULT THE FACTORY
 ENCLOSURES: ALUMINUM 6061-T6
 STAINLESS STEEL OPTIONAL
 ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM
 10e-7 TORR, AND VACUUM 10e-10 TORR
 (CONSULT FACTORY)
 TEMPERATURE: 0 to 100 DEG C
 HUMIDITY: 10% to 80% NON-CONDENSING
 ASSEMBLY MASS: 0.23 kg (HR1 MODEL)
 0.20 kg (ST MODEL)



ACCESSORIES
 MOTOR AMPLIFIER
OPTIONAL EQUIPMENT
 MOTION CONTROLLERS
 CUSTOM DESIGNS FOR OEM INTEGRATION

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**NOTE: HR1 MODEL PICTURED
 (ST MODEL AVAILABLE)**
 ST MODEL LENGTH DIFFERENCE SHOWN ABOVE

DRAWN NBROWN		6/8/2006			
CHECKED					
Tolerances: x.x ± .04 in x.xx ± .01 in x.xxx ± .005 in				Surface Roughness: RMS MAX.	
MATERIAL		SIZE B	DWG NO 0010-00756	REV 002	
FINISH SEE NOTES		SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1	OF 1