



- NOTES:
1. CONTROLLER POWERED OFF OF 24V SUPPLY
 2. ENCODER POWERED VIA GALIL ENCODER SUPPLY – NOT ISO5V
 3. STEPPER MOTOR DRIVE SIGNALS REMOVED FROM SIGNAL CABLE NOW IN SHIELDED CABLE TIED TO SIGNAL CABLES

REVISIONS

04-22-08	ADDED TWISTED PAIRS
01-28-09	CORRECTED SIGNAL LABELS FOR BRAKE AND STAGE LIMITS
02-03-09	ADDED INPUT 16 TO SIGNAL THAT THIS IS THE TOP CONTROLLER
02-05-09	REDREW TO SHOW INTERNAL STAGE CABLE
02-18-09	RENUMERED CONNECTORS TO SHOW ACTUAL WIRING (PINS 26, 27 & 28)
03-17-09	CORRECTED SENSE OF BRAKE SWITCH SIGNAL
04-27-09	CORRECTED FIDUCIAL ENABLE BIT ASSIGNMENT AND AXIS DESIGNATION TO F
04-29-09	MOVED MOTOR WIRING TO J25 TO ELIMINATE MOTOR NOISE ON INDEX PULSE LINE, SEE SHEET 3
11-04-09	UPDATED SCHEMATIC TO REFLECT GALIL'S PINOUT ON STEPPER DRIVER

http://loel.ucolick.org/manual/KAST/schematics/KAST_Grating_Tilt_sh_1.pdf

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		GRATING TILT STAGE KAST SPECTROGRAPH	
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