

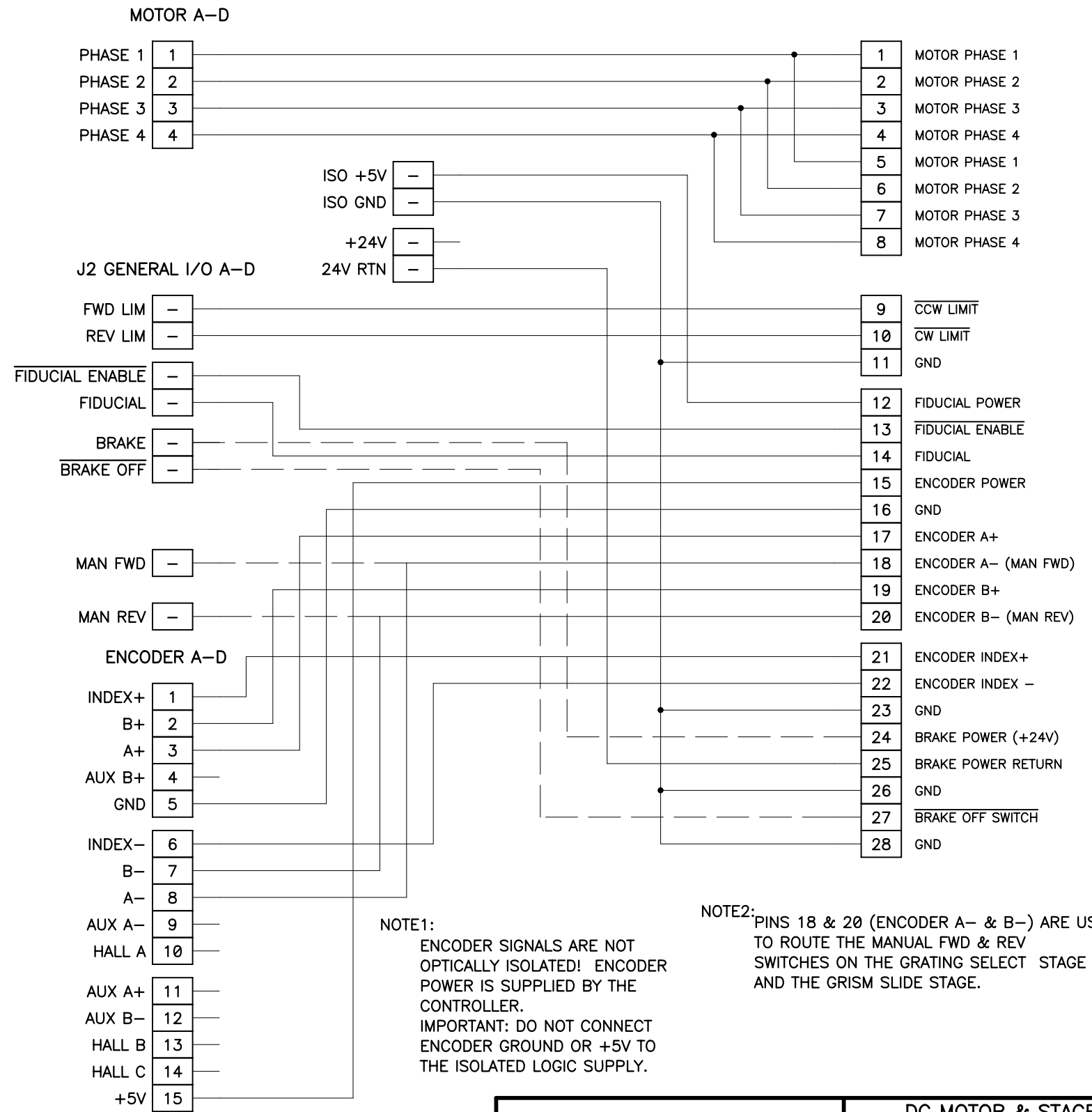
CONTROLLER #1, AXIS A - D
STAGE DEPENDANT PIN ASSIGNMENTS

J2 GENERAL I/O								EXT. I/O
AXIS	STAGE CONN	FWD LIM	REV LIM	(HOME) FIDUCIAL	MAN FWD	MAN REV	BRAKE/SWITCH	FIDUCIAL ENABLE
A	J1	36	22	7	X	X	X/X	16
B	J2	37	23	8	33	19	X/X	1
C	J3	38	24	9	X	X	X/X	31
D	J4	39	25	10	X	X	X/X	17

CONTROLLER 1

AXIS

- A WAVE PLATE
- B GRISM SLIDE
- C BLUE FILTER TRAY
- D RED FILTER TURRET



NOTE1:
ENCODER SIGNALS ARE NOT OPTICALLY ISOLATED! ENCODER POWER IS SUPPLIED BY THE CONTROLLER.
IMPORTANT: DO NOT CONNECT ENCODER GROUND OR +5V TO THE ISOLATED LOGIC SUPPLY.

NOTE2:
PINS 18 & 20 (ENCODER A- & B-) ARE USED TO ROUTE THE MANUAL FWD & REV SWITCHES ON THE GRATING SELECT STAGE AND THE GRISM SLIDE STAGE.

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		DC MOTOR & STAGE CABLE PIN ASSIGNMENTS KAST SPECTROGRAPH	
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REVISIONS