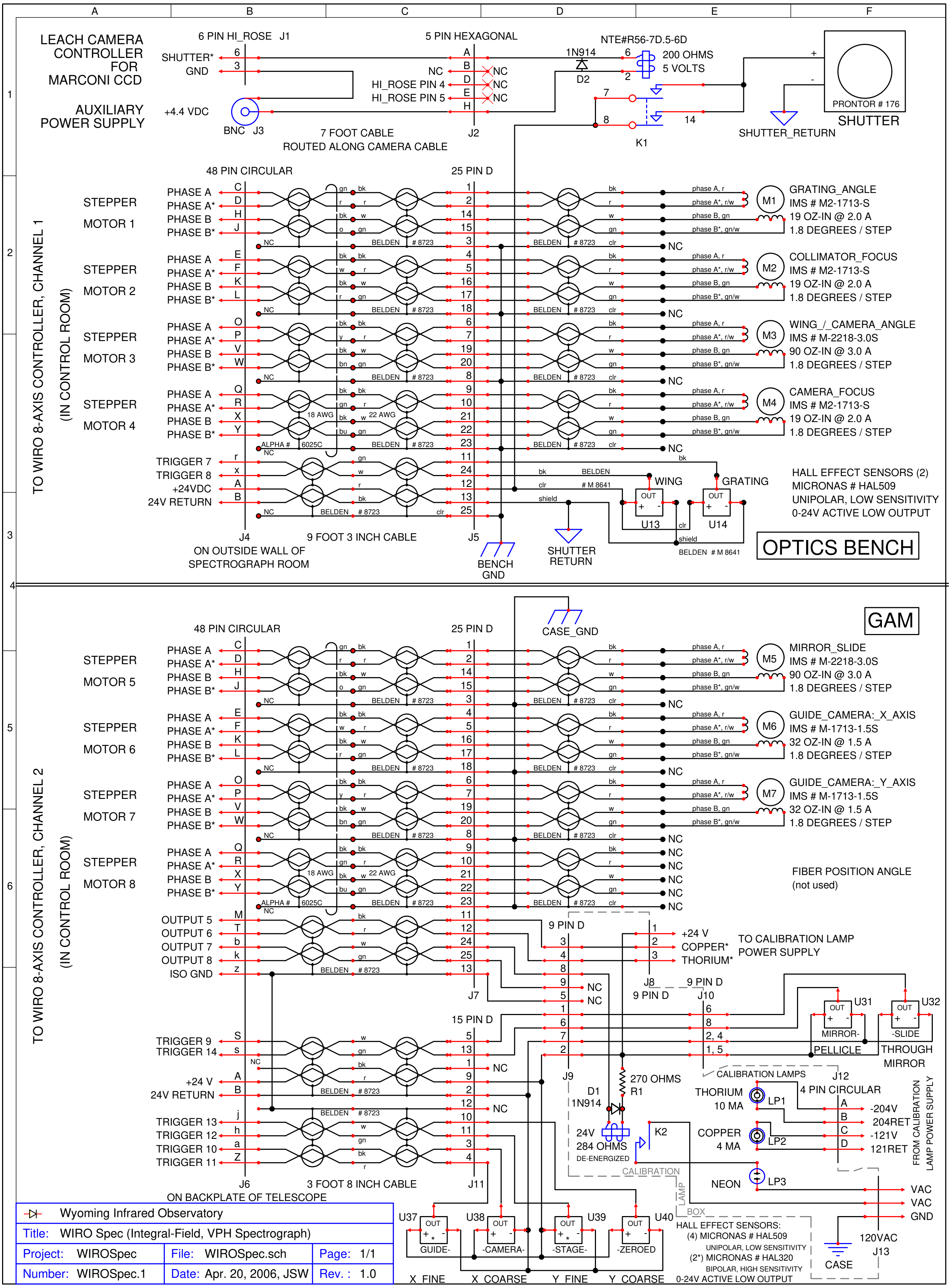

LEACH CAMERA CONTROLLER FOR MARCONI CCD
AUXILIARY POWER SUPPLY
6 PIN HI_ROSE J1
SHUTTER*
GND
+4.4 VDC
BNC J3
5 PIN HEXAGONAL
NC
HI_ROSE PIN 4
HI_ROSE PIN 5
J2
7 FOOT CABLE
ROUTED ALONG CAMERA CABLE
NTE#R56-7D.5-6D
1N914
D2
200 OHMS
5 VOLTS
K1
PRONTOR # 176
SHUTTER
SHUTTER_RETURN
48 PIN CIRCULAR
25 PIN D
TO WIRO 8-AXIS CONTROLLER, CHANNEL 1
(IN CONTROL ROOM)
STEPPER MOTOR 1
STEPPER MOTOR 2
STEPPER MOTOR 3
STEPPER MOTOR 4
PHASE A
PHASE A*
PHASE B
PHASE B*
18 AWG
22 AWG
ALPHA # 6025C
BELDEN # 8723
GRATING_ANGLE
IMS # M2-1713-S
19 OZ-IN @ 2.0 A
1.8 DEGREES / STEP
COLLIMATOR_FOCUS
IMS # M2-1713-S
19 OZ-IN @ 2.0 A
1.8 DEGREES / STEP
WING_/_CAMERA_ANGLE
IMS # M-2218-3.0S
90 OZ-IN @ 3.0 A
1.8 DEGREES / STEP
CAMERA_FOCUS
IMS # M2-1713-S
19 OZ-IN @ 2.0 A
1.8 DEGREES / STEP
TRIGGER 7
TRIGGER 8
+24VDC
24V RETURN
BELDEN # M 8641
WING
GRATING
U13
U14
HALL EFFECT SENSORS (2)
MICRONAS # HAL509
UNIPOLAR, LOW SENSITIVITY
0-24V ACTIVE LOW OUTPUT
J4
ON OUTSIDE WALL OF SPECTROGRAPH ROOM
9 FOOT 3 INCH CABLE
J5
BENCH GND
SHUTTER RETURN
OPTICS BENCH
GAM
CASE_GND
TO WIRO 8-AXIS CONTROLLER, CHANNEL 2
(IN CONTROL ROOM)
STEPPER MOTOR 5
STEPPER MOTOR 6
STEPPER MOTOR 7
STEPPER MOTOR 8
MIRROR_SLIDE
IMS # M-2218-3.0S
90 OZ-IN @ 3.0 A
1.8 DEGREES / STEP
GUIDE_CAMERA:_X_AXIS
IMS # M-1713-1.5S
32 OZ-IN @ 1.5 A
1.8 DEGREES / STEP
GUIDE_CAMERA:_Y_AXIS
IMS # M-1713-1.5S
32 OZ-IN @ 1.5 A
1.8 DEGREES / STEP
FIBER POSITION ANGLE
(not used)
OUTPUT 5
OUTPUT 6
OUTPUT 7
OUTPUT 8
ISO GND
J7
9 PIN D
J9
+24 V
COPPER*
THORIUM*
TO CALIBRATION LAMP POWER SUPPLY
J8
9 PIN D
J10
15 PIN D
U31
U32
MIRROR-PELLICLE
-SLIDE THROUGH MIRROR
TRIGGER 9
TRIGGER 14
+24 V
24V RETURN
TRIGGER 13
TRIGGER 12
TRIGGER 10
TRIGGER 11
J6
ON BACKPLATE OF TELESCOPE
3 FOOT 8 INCH CABLE
J11
270 OHMS R1
D1 1N914
24V 284 OHMS DE-ENERGIZED
K2
CALIBRATION LAMP BOX
CALIBRATION LAMPS
J12
4 PIN CIRCULAR
THORIUM 10 MA
LP1
COPPER 4 MA
LP2
NEON
LP3
-204V
204RET
-121V
121RET
FROM CALIBRATION LAMP POWER SUPPLY
VAC
VAC
GND
120VAC
J13
CASE
U37
U38
U39
U40
GUIDE-
-CAMERA-
-STAGE-
-ZEROED
X_FINE
X_COARSE
Y_FINE
Y_COARSE
HALL EFFECT SENSORS:
(4) MICRONAS # HAL509
UNIPOLAR, LOW SENSITIVITY
(2*) MICRONAS # HAL320
BIPOLAR, HIGH SENSITIVITY
0-24V ACTIVE LOW OUTPUT
Wyoming Infrared Observatory
Title: WIRO Spec (Integral-Field, VPH Spectrograph)
Project: WIROSpec
File: WIROSpec.sch
Page: 1/1
Number: WIROSpec.1
Date: Apr. 20, 2006, JSW
Rev. : 1.0