



Rev.	Description	Date	None
1	Initial Release		Dunham
2	Add spare Netra		Dunham
3	Change switch & add backup		Dunham
4	Add 2 GPS serial lines		Dunham
5	Correct connector labels		Dunham
6	Mac Mini and Dell display changes		Dunham
7	Correct labels: input CBs changed to 20A		Dunham

4/1/13

**Connector Naming Convention**

- \* First character: J for jack, P for plug
- \* Second character: R for Red, B for Blue, - for PI rack
- \* Third character: A - AC power, D - DC power, a - analog, low-level, d - digital (TTL), f - fiber optic, all are ST, m - misc. (mixed, and motor & shutter drive signals), n - network (RJ45/Cat5), s - serial (RS485 or RS232), two digits of serial number, \* Trailing letter in case of options

**Example:** PRA01a

If the primary network switch fails the backup can be used by connecting its power to J-A27, moving P-R01 and P-R02 to the backup positions, and moving all the Cat 5 cables to the backup switch.

The HI-M02-13 cables as well as the Netra Serial Crossover Cables HI-M02-17 may be connected to any of the four Serial Patch Panel jacks.

HI-M02-14 may be temporarily connected between a laptop Comm port and the Console on either switch for switch configuration.

**Legend:**

- 120VAC power
- < 30VDC power
- Fibers
- 100BaseT
- Analog/Digital
- Temporary lines
- Patch Panels

Item	Qty	Description	Specification
HIPO			
High-Speed Imaging Perimeter for Observations			
Lowell Observatory Flagstaff, AZ 86001			
TITLE: Rack Electronics Wiring			
Dwg. No.	HI-M02-00	Size:	D
Scale:	N/A	Next Assy:	N/A
Drawn:	Dunham	Date:	4/1/13
Checked:	770	Date:	4/1/13
Approved:	EWD	Date:	4/1/13
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