

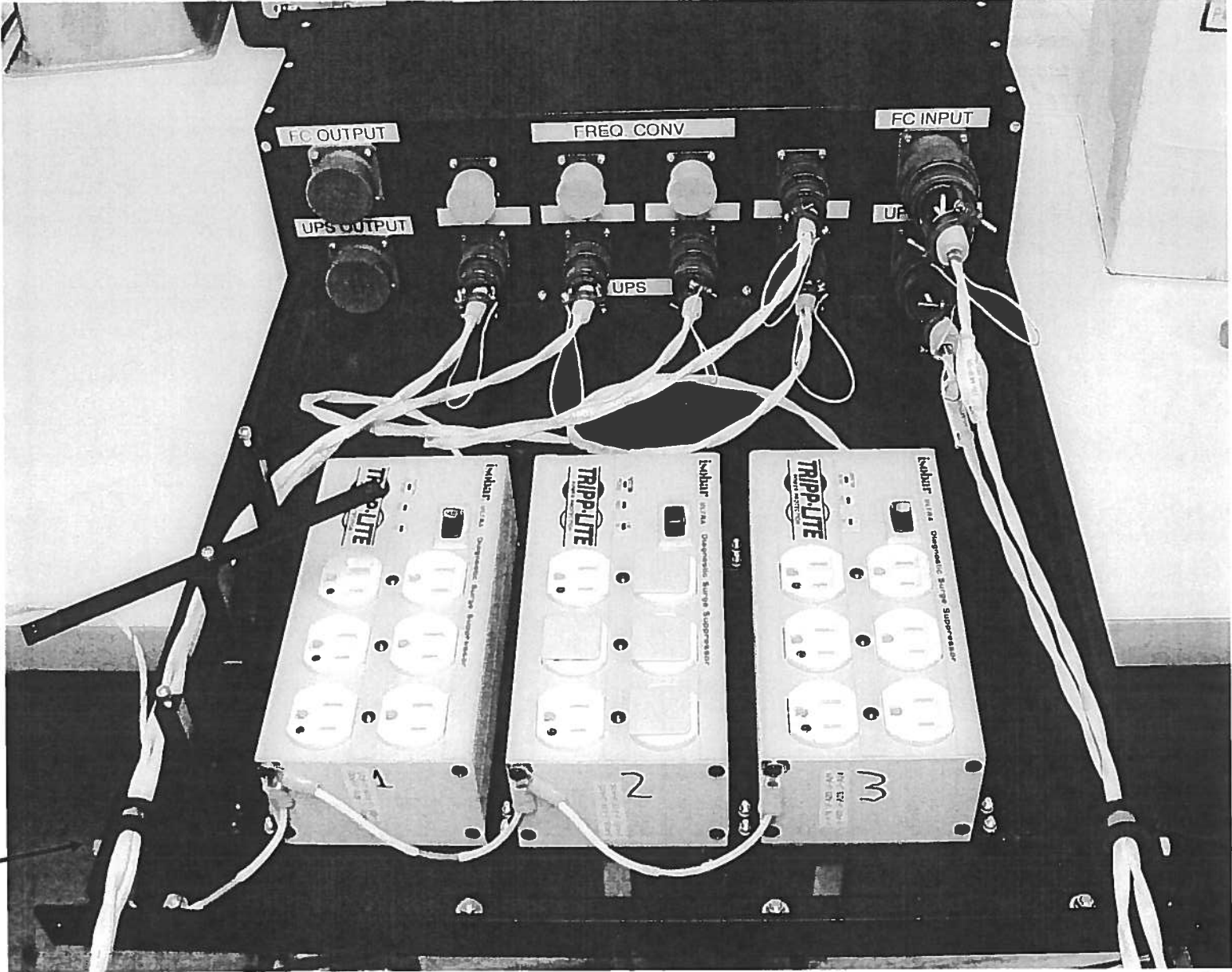
Rev.	Description	Date	Name
1	Initial Release		Dunham
2	Redline Corrections		Dunham
3	Add note 5 and sheet 2		Dunham
4	Change input CB to 20A	4/1/13	Dunham

Item	Qty	Description	Specification
X	2	Ckt. Breaker, Eaton 700-001-20	MS25244-20
W	2	Adel Clamp	MS21919W0G6
V	2	10-32 Nut	MS21042-3
U	2	10-32x3/4 SHCS	NAS1351-3-12
T	6	Juniper Tab	AMP 604591-1
S	1	Terminal block kit	AMP/Tyco 604336-1
R	16	6-32x1/2 flat head screw	NAS1102-06-8
Q	48	6-32 locking Helicoil (Note 1)	3585-06CN276
P	2	AC/DC power module, Hon-Kwang	For HI-F02-00
O	3	Surge Suppressor, Tripp-Lite	Isobar Ultra HG
N	8	Connector	M83723/72W1404N
M	2	Connector	MS3450W22-2SW
L	2	Connector	MS3450W22-2S
K	8	Ckt. Breaker, Eaton 700-001-15	MS25244-15
J	8	Switch, Eaton 8843K10	MS24612-E222
I	3	6-32x3/8 SHCS	MS16997-19
H	8	10-32 Nut	MS21042-3
G	8	#10 Washer	NAS1149F0363P
F	8	10-32x5/8 flat head screw	NAS1102-3-10
E	48	4-40 Nut	MS21042-04
D	16	4-40x1/2 SHCS	MS16997-11
C	32	4-40x3/8 SHCS	MS16997-10
B	16	6-32 Nut	MS21042-06
A	45	6-32x3/8 flat head screw	NAS1102-06-6
10	1	Transformer Retainer	HI-G01-10
9	1	Transformer Bottom Support	HI-G01-09
8	2	Plug Strip Mounting Strip	HI-G01-08
7	2	Power Box Square Bar	HI-G01-07
6	1	Power Box Back Angle	HI-G01-06
5	1	Power Box Bottom Panel	HI-G01-05
4	1	Power Box Top Panel	HI-G01-04
3	2	Power Box Side Panel	HI-G01-03
2	1	Power Box Back Panel	HI-G01-02
1	1	Power Box Front Panel	HI-G01-01

Notes:

- Helicoils (Part Q) not shown. See individual part drawings for installation locations. Install inserts per manufacturer's instructions.
- Wire connectors, switches, and circuit breakers per HI-M03-11.
- AC cable modification to surge suppressors D is shown in HI-M02-04.
- Sand off anodizing near fasteners as needed to achieve less than 0.2 ohms to ground points U.
- Add MS21919W0G6 clamps two places as shown on sheet 2 of this drawing.

<p align="center">HIPO</p> <p align="center">High-Speed Imaging Photometer for Occultations</p> <p align="center">Lowell Observatory</p> <p align="center">Flagstaff, AZ 86001</p>		TITLE: Power Distribution Box Assy	
		Dwg. No. HI-G01-00	Size: B
Tolerances unless otherwise noted Fractions 1/64 2 places 0.010 3 places 0.005		Scale: 1:4 Next Assy: HI-G00-00 Calc. Wt. 30 lb	
Finish unless otherwise noted Break sharp edges		Drawn: Dunham Date: 4/1/13 Checked: <i>Tam</i> Date: 4-1-13	Approved: <i>END</i> Date: 4/1/13



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Item		Qty	Description	Specification
HIPO			TITLE: Power Distribution Box Assy	
High-Speed Imaging Photometer for Occultations			Dwg. No. HI-GD1-00	Size: B Sheet 2 of 2
Lowell Observatory			Scale: NA	Next Assy: HI-E00-00 Calc. Wt.
Flagstaff, AZ 86001			Drawn: Dunham	Date: 4/1/13 Approved: EWJ
Tolerances unless otherwise noted			Checked: Don	Date: 4-1-13
Fractions 1/64	Finish unless otherwise noted			
2 places 0.010				
3 places 0.005	Break sharp edges			