POWER INPUT CONNECTOR → DIRTY POWER → CIRCUIT BREAKER BOX ON CRADLE → DETECTOR UPS (BLUE CKTS) → CABLE WRAP → FOR LAYOUT SEE SHEET 3 → FOR LAYOUT SEE SHEET 4 → ON CRADLE → ON BARREL

DIRTY POWER CIRCUIT 1 → DUPLEX DUPLICATE DUPLICATE (WHITE BOXES)
CLEAN POWER CIRCUIT 3 → DOUBLE DUPLEX (ORANGE BOXES)
OVER-TEMP CUTOUT EL-3101 → SONALERT → GALIL CONTROLLER 0 → ON CRADLE

CIRCUIT 1 → DIRTY POWER (WHITE BOXES)
CIRCUIT 2 → CCD ELECTRONICS (BLUE BOXES)
CIRCUIT 3 → CLEAN POWER (ORANGE BOXES)

OVER-TEMP CUTOUT EL-3003 → SONALERT → J-BOX WITH SWITCH → DOUBLE DUPLEX (ORANGE BOXES)
OVER-TEMP CUTOUT EL-3003 → J-BOX WITH SWITCH → DOUBLE DUPLEX (BLUE BOXES)
J-BOX WITH SWITCH → DOUBLE DUPLEX (WHITE BOXES)

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY
OVERALL BLOCK DIAGRAM
MAIN AC POWER WIRING DEIMOS SPECTROGRAPH

DES’N BY: B. Alcott & TC ORIGIN DATE: 05–19–95 DWG. NO. EL–3002
MODIFY DATE: 11–21–01
PATH: DEIMOS\ACPWR REV. A

08–21–00 CHANGED "BEAM" TO "SIDE" tc
11–17–00 UPDATED SHEET 6
05–22–01 REMOVED OLD UPS CIRCUITS, ADDED CRADLE OVER-TEMP AND RESET. tc
06–18–01 ADDED AC INPUT FROM TELESCOPE CONNECTOR
10–30–01 ADDED BARREL OVER-TEMP CUTOUTS tc
11–21–01 MOVED BARREL ORANGE AND BLUE CUT-OUTS BEYOND J-BOX SWITCHES
01–28–02 CORRECTED AC INPUT WIRING POLARITIES (SHEET 2)
Cradle AC Layout

Left Side
(As seen from bearing end)

A-Bay

B-Bay

Circuit Breakers

Duplex Outlet "Dirty"

Conduit

CCD Controller

UPS (Blue)

Right Side
(As seen from bearing end)

D-Bay

C-Bay

(Wall MTG.)

Barcode Scanner PS

Time-On Relay

LAN-TRONIX

4-Port Hub

See sheet 1 for wiring

University of California
Lick Observatory

Main AC Power Wiring
Deimos Spectrograph

Revision

04-24-00 Added this sheet
05-22-00 Added side A outlet box
08-31-00 Changed "beam" to "side", added Galil & Linux PC to
03-19-01 Updated locations of various boxes
04-12-01 Added "bay" lables
11-21-01 Moved tractor control box to back of instrument and added
4-port hub, time-on relay, and barcode scanner power supply

Des'n by: B. Alcott & TC

Origin Date: 05-19-95

MODIFY DATE: 11-21-01

Last SN:

PATH: DEIMOS\ACPWR

Rev. A

Dwg. No. Num. 3 of 7

El-3002
NOTES:

1) 7 PIN BENDIX CONNECTOR (SP02E–22–96P{PANEL} & SP06E–22–96–SR{CABLE}). PINNOUT AS FOLLOWS:

   A) – H (GRN)  
   B) – N (ORN)  
   C) – GND (BLU)  
   D) – H (RED)  
   E) – N (WHT)  
   F) – GND (WT/B)  
   G) – REF. GND (BLK)  
   DIRTY POWER

2) 7 PIN AMP CPC CONNECTOR (206137–1 {PANEL} & 206136–1 {CABLE}). PINOUT AS FOLLOWES:

   SERIES 3, SHELL SIZE 23, ARRANGEMENT 23–7

   1) – H (ORN)  
   2) – N (GRN)  
   3) – GND (RED)  
   4) – REF. GND (BLK)  
   5) – H (BLU)  
   6) – N (WH/BK)  
   7) – GND (WHT)  
   DIRTY POWER