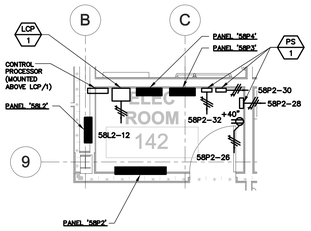
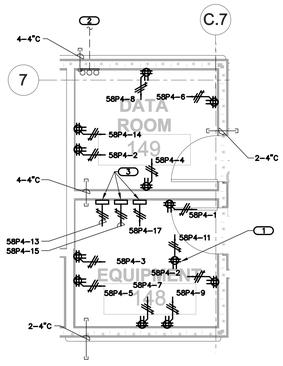


1 ELECTRICAL ROOM

SCALE: 1/4"=1'-0"

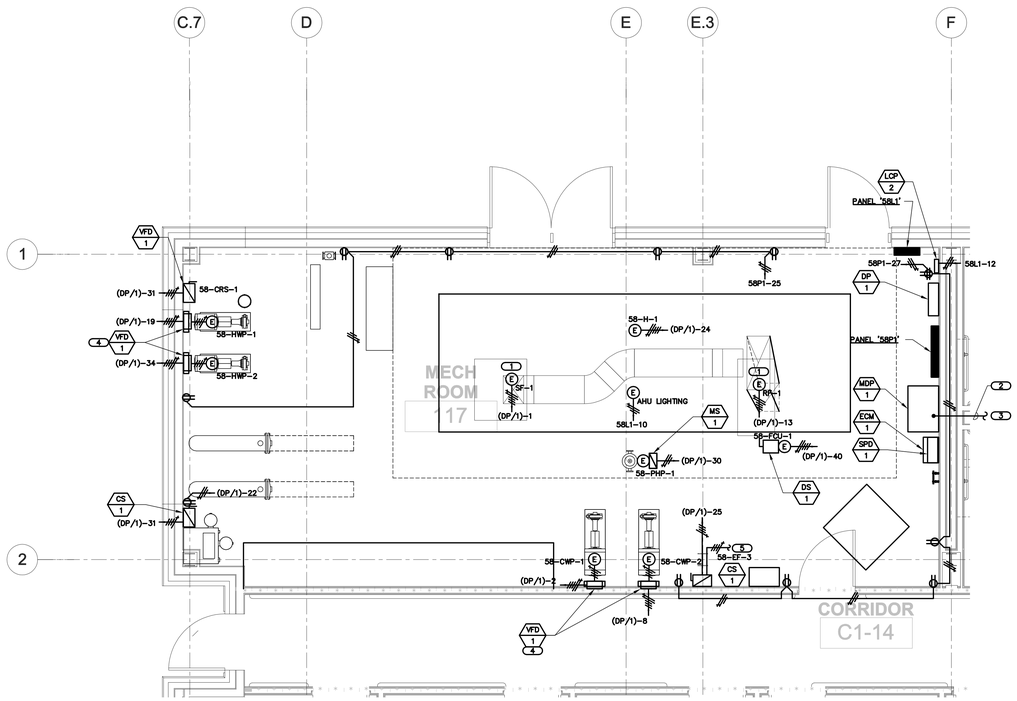


2 DATA ROOM & EQUIPMENT ROOM - POWER

SCALE: 1/4"=1'-0"

KEYNOTES:

1. RECEPTACLE TO BE MOUNTED TO TOP OF RACK.
2. THREE (3) 4" CONDUITS FROM BUILDING 51. REFER TO 1/T-102 FOR CONTINUATION. REFER TO 1/T-200 FOR DATA ROOM ENLARGEMENT.
3. FIRE ALARM EQUIPMENT PANELS.

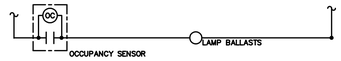


3 ENLARGED MECHANICAL ROOM PLAN - ELECTRICAL - POWER

SCALE: 1/4"=1'-0"

KEYNOTES:

1. VFD AND DISCONNECT PROVIDED WITH AHU.
2. FEEDERS FOR PANELS '58L2', '58P2' & '58P3'.
3. REFER TO 1/EP-02 FOR CONTINUATION.
4. ALL INTER LOCKING REQUIRED BY THE DRIVE MANUFACTURE BETWEEN THE VARIABLE FREQUENCY DRIVE AND THE DISCONNECT SWITCHES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
5. UP TO 58-EF-3, LOCATED ON ROOF.
6. MOUNT ON COLUMN.

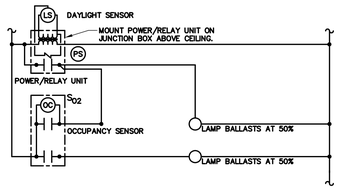


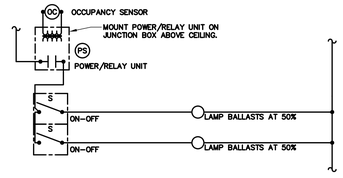
4 CEILING MOUNTED OCCUPANCY SENSOR DIAGRAM

NO SCALE

NOTES:

1. SEE LIGHTING PLANS FOR ACTUAL NUMBER OF LUMINARIES.





5 OCCUPANCY SWITCH DIAGRAM

NO SCALE

NOTES:

1. SEE LIGHTING PLANS FOR ACTUAL NUMBER OF LUMINARIES.

SEQUENCE OF OPERATION:

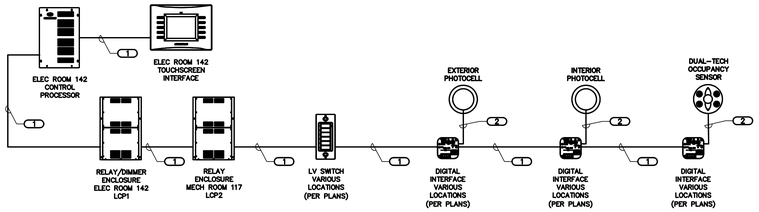
1. OCCUPANCY SENSOR UPON ACTIVATION ALLOWS OCCUPANT TO MANUALLY TURN LUMINAIRES ON/OFF, IF LUMINAIRES WERE MANUALLY TURNED OFF WHEN OCCUPANT VACATED ROOM PREVIOUSLY; OR OCCUPANCY SENSOR WILL AUTOMATICALLY TURN LUMINAIRES ON IN THE PREVIOUS STATUS WHEN OCCUPANT VACATED ROOM IF THE LUMINAIRES WERE NOT MANUALLY SWITCHED OFF.
2. DAYLIGHT LEVEL SENSOR TURNS OFF ONE SWITCH WHEN SET FOOTCANDLE LEVEL IS MET IN THE ROOM, CAUSING THE LIGHTS TO STEP-DIM TO 50%.
3. USER IS ABLE TO MANUALLY OVERRIDE EITHER SWITCH TO TURN LIGHTS ON, OFF, OR 50% WHEN DESIRED.

6 CEILING MOUNTED STEP-DIMMING OCCUPANCY SWITCH DIAGRAM

NO SCALE

NOTES:

1. SEE LIGHTING PLANS FOR ACTUAL NUMBER OF LUMINARIES.

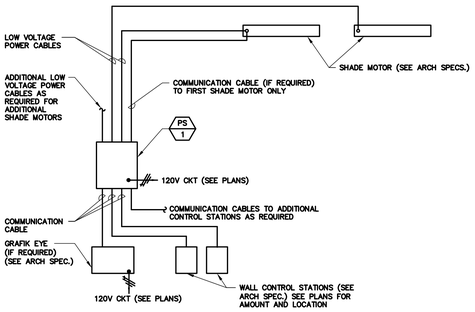


7 LIGHTING CONTROL RISER DIAGRAM

NO SCALE

KEYNOTES:

1. COMMUNICATION CABLE
   (1) PAIR #18AWG
   (1) TWISTED PAIR #22AWG
   PLENUM RATED
2. WIRE: SUITABLE GAUGE WIRE TO MEET LOAD REQUIREMENTS



8 SHADE SYSTEM RISER DIAGRAM

NO SCALE

NOTES:

1. DETAIL IS DIAGRAMMATIC ONLY AND DOES NOT REPRESENT THE ACTUAL AMOUNT OF DEVICES OR CABLES REQUIRED. REFER TO FLOOR PLANS FOR AMOUNT AND LOCATION OF DEVICES.
2. ALL POWER AND COMMUNICATIONS CABLES ARE PROVIDED AND INSTALLED BY E.C. PER MANUFACTURERS RECOMMENDATIONS. COORDINATE WITH SHADE MANUFACTURER FOR REQUIRED CABLE TYPE. ALL CABLES AND WIRING SHALL BE INSTALLED IN CONDUIT.
3. PROVIDE ALL DEVICES AND CABLES SPECIFIED AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

GENERAL SHEET NOTES

1. REFER TO DRAWING E-001 FOR ELECTRICAL SYMBOLS AND NOTES.
2. REFER TO DRAWING EP-400 FOR ELECTRICAL ONE LINE DIAGRAM.
3. REFER TO DRAWING EP-500 FOR ELECTRICAL SCHEDULES.
4. REFER TO DRAWING EP-600 FOR ELECTRICAL MATERIAL LIST.

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No.	Date	Revisions

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Drawing Title: ENLARGED PLANS + DETAILS - ELECTRICAL

Approved: Project Director

Project Title: MENTAL HEALTH ADDITION, BUILDING 51

Location: JEFFERSON BARRACKS DIVISION

Date: 12/21/11 | Checked: DARCRO | Drawn: SHAWHI

Project Number: 657-333

Building Number: 58

Drawing Number: EP-200

DWG 73 OF 92

Office of Construction and Facilities Management