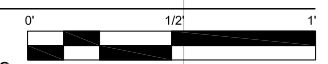


E-105

LIVINGROOM ELECTRICAL PLAN

1/2" = 1'-0"



GENERAL SHEET NOTES:

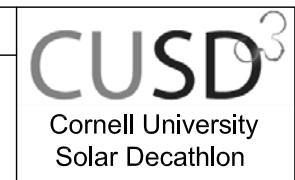
1. BOXES ARE DRAWN IN
2. TYPICAL WIRING IS ACHIEVED WITH 12-2 OR 14-2 ROMEX
3. WALL RECEPTACLES OCCUR AT LEAST EVERY 12 FEET ALONG THE WALL, AND ARE LOCATED WITHIN 6 FEET OF THE END OF A WALL
4. CIRCUIT #13 IS AFCI PROTECTED
5. SWITCHES ARE LOCATED SENSIBLY AT THE "HINGE" SIDE OF DOORS, WITH A FEW EXCEPTIONS

REFERENCE KEYNOTES:

- DIVISION 23 - HVAC
23 09 00.F REMOTE SENSORS AND PROBES
- DIVISION 26 - ELECTRICAL
26 05 00.C JUNCTION BOX
26 05 00.D TAMPER-RESISTANT RECEPTACLE
- DIVISION 28 - ELECTRONIC DETECTION & ALARM
28 31 46 SMOKE DETECTION SENSOR

SHEET KEYNOTES:

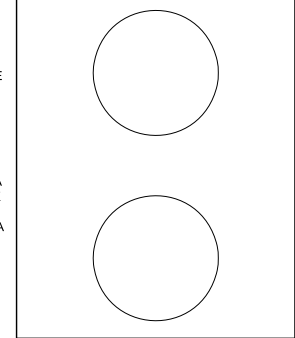
1. JUNCTION BOX CONTAINS THE FOLLOWING RUNS:
LIVING ROOM CIRCUIT
ETHERNET CABLES (3)
AUTOMATED LOGIC CABLE
KITCHEN CIRCUIT PORTION (SKYLIGHT)
ALARM DOOR SENSOR WIRE
SMOKE ALARM WIRE
2. OCTAGON BOX FOR SMOKE ALARM, WIRED WITH 14-3 ROMEX TO SMOKE ALARM IN KITCHEN
3. THIS SWITCH IS HARD-WIRED TO THE TRACK LIGHTING IN THE HALLWAY. THE TRANSFORMERS FOR THESE LIGHTS ARE INTEGRATED
4. THIS SWITCH CONTROLS LIVING ROOM LIGHTING USING INSTEON TECHNIQUES; NOT HARD-WIRED
5. AUTOMATED LOGIC SENSOR IS MOUNTED TO THE WALL
6. SKYLIGHT COMES PREWIRED WITH A 20 FOOT CABLE. MUST BE ON A 15-A CIRCUIT
7. T&RH AND PHOTOMETER INSTRUMENTATION SENSORS ENTER WALL FROM UNDER HOUSE IN A 1-1/4" GREENFIELD CONDUIT AND OPEN TO A BOX IN THE WALL UNDER THE BENCH. T&RH SENSOR STAND IS LOCATED NEAR CENTER OF ROOM ON A 3.5 FOOT STAND. THE PHOTOMETER WIRE DOES NOT TOUCH THE FLOOR; RUNS ALONG SHELVING TO ADJACENT DESK
8. ETHERNET PORTS SERVE ENTERTAINMENT SYSTEM AND WORKSPACE
9. THIS SWITCH IS HARD-WIRED TO THE LIVING ROOM LIGHTING. THE TRANSFORMER FOR THESE LIGHTS ARE INTEGRATED
10. ALARM DOOR SENSOR



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PROJECT

SOLAR DECATHLON 2009

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PLAN

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