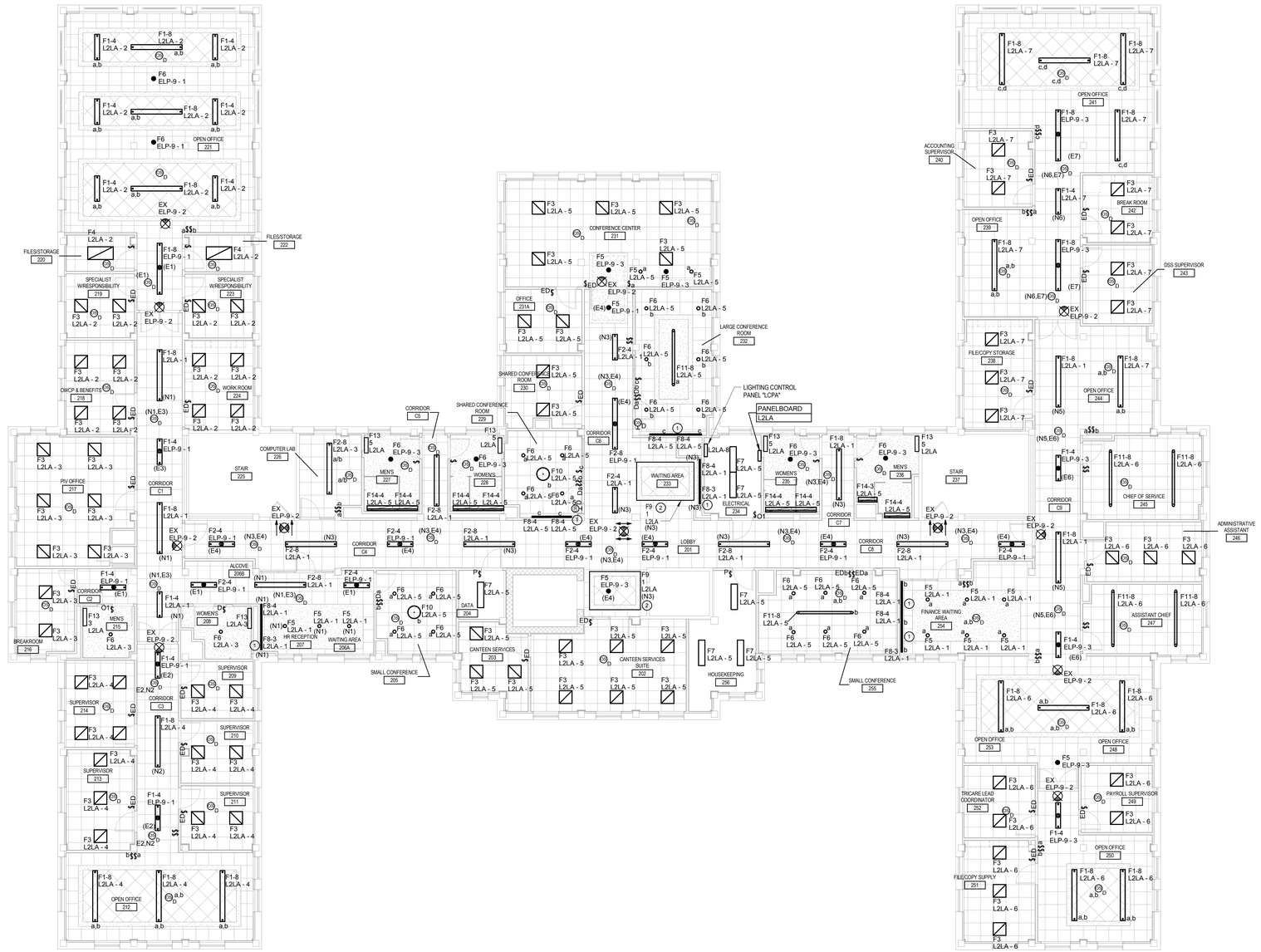


1 SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

OCCUPANCY SENSOR INSTALLATION GUIDLINES

1. THE OCCUPANCY SENSORS INDICATED ON THE DRAWINGS ARE SHOWN FOR DESIGN INTENT ONLY. THE EXACT QUANTITY OF SENSORS SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLING SENSORS BASED ON THE MANUFACTURER'S LITERATURE.
2. PROVIDE 100% COVERAGE OF EACH INDIVIDUAL ROOM/SPACE SHOWN ON THE DRAWINGS.
3. DO NOT INSTALL SENSORS PRIOR TO SUBMITTING COVERAGE LAYOUTS FOR EACH INDIVIDUAL ROOM TO THE ENGINEER FOR APPROVAL. EACH ROOM SHALL BE SUBMITTED SEPARATELY FOR REVIEW.
4. DO NOT INSTALL SENSORS SUCH THAT THEY CAN POTENTIALLY "SEE" THROUGH OPEN DOORWAYS.
5. INSTALL ALL LOW VOLTAGE POWER PACKS DIRECTLY ABOVE THE LOCAL WALL SWITCHES IN THE AREA.
6. SENSOR OPERATION SHALL BE AS FOLLOWS:
   1. OCCUPANT ENTERS ROOM AND THEY MUST MANUALLY TURN ON LIGHTS.
   2. SENSOR TURNS OFF LIGHTS AFTER 10 MINUTES OF INACTIVITY.
   3. UPON SENSING ACTIVITY LIGHTS TURN BACK ON.
7. DO NOT INSTALL ULTRASONIC OR DUAL TECHNOLOGY SENSORS WITHIN 24" OF SUPPLY DIFFUSERS.

LIGHTING GENERAL NOTES

1. ALL EXIT SIGNS SHALL BE POWERED FROM THE CIRCUIT INDICATED AND UNSWITCHED.
2. EMERGENCY BATTERY BALLASTS SHALL HAVE AN UNSWITCHED LEG PROVIDED TO EACH FIXTURE.
3. ALL NORMAL/EMERGENCY FIXTURES POWERED BY AN EMERGENCY GENERATOR SHALL HAVE A BODINE GTD20 OR EQUAL ON THE CIRCUIT TO PERMIT LOCAL CONTROL WITH THE ADJACENT FIXTURES.
4. COORDINATE FINAL LOCATIONS OF FIXTURES WITH THE REFLECTED CEILING PLAN. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.
5. COORDINATE ALL MOUNTING HEIGHTS WITH THE ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN.
6. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION. THEY SHALL BE INSTALLED IN GANG TYPE BOX UNDER ONE COVERPLATE. MINIMUM CONDUIT SIZE 3/4". MINIMUM WIRE SIZE SHALL BE #12 AWG. ALL WIRE TO BE STRANDED COPPER.
7. LABELS (N_) AND (E_) ON THE LIGHT FIXTURES INDICATE THE RELAY DESIGNATION. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON THIS SHEET. THE POWER CIRCUIT INDICATED ON THE RELAY SCHEDULE SHALL PASS THROUGH RELAY THEN GO OUT INTO THE SPACE TO THE LIGHTING LOAD.

LIGHTING NUMBERED NOTES (This Drawing)

1. LIGHT FIXTURES SHALL BE MOUNTED IN COVE, REFER TO COVE LIGHTING DETAIL 9 ON A122 FOR DETAILS ON COVE.
2. LIGHT FIXTURES SHALL BE MOUNTED IN COVE, REFER TO COVE LIGHTING DETAIL 4 ON A122 FOR DETAILS ON COVE.

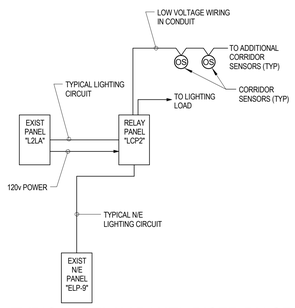
RELAY PANEL SCHEDULE — PANEL NAME: LCP2

LOAD INFORMATION				CONTROL TYPE				
RELAY #	DESCRIPTION	LOAD TYPE	PANEL	CIRCUIT	STEP DIM	0-10v DIM	SENSOR	LV SWITCH	TIMECLOCK
NORMAL SECTION									
N1	CORRIDOR C1, WAITING 206	LIGHTING	L2LA	1			X		X
N2	CORRIDOR C3	LIGHTING	L2LA	4			X		X
N3	CORRIDOR C6 & C9	LIGHTING	L2LA	1			X		X
N4	SPARE								
N5	CORRIDOR C10,C11	LIGHTING	L2LA	1			X		X
N6	OPEN OFFICE 541 CORRIDOR	LIGHTING	L2LA	7			X		X
N7	SPARE								
N8	SPARE								
N9	SPARE								
N10	SPARE								
EMERGENCY SECTION									
E1	OPEN OFFICE 221 CORRIDOR	LIGHTING	ELP9	1			X		X
E2	CORRIDOR C3	LIGHTING	ELP9	1			X		X
E3	CORRIDOR C1, WAITING 206	LIGHTING	ELP9	3			X		X
E4	CORRIDOR C6 & C9	LIGHTING	ELP9	3			X		X
E5	SPARE								
E6	CORRIDOR C10,C11	LIGHTING	ELP9	3			X		X
E7	OPEN OFFICE 541 CORRIDOR	LIGHTING	ELP9	3			X		X
E8	SPARE								

NOTES:
1. PANEL SHALL BE UL924 LISTED.

LIGHTING SEQUENCE OF OPERATION:

1. RELAYS N1-N6 & E1-E7 SHALL BE CONTROLLED BY THE TIMECLOCK FROM 6:00a.m. - 6p.m. (M-F), AT THAT TIME THE OCCUPANCY SENSORS FOR THOSE RELAY CIRCUITS SHALL BE TURNED OFF. FROM THE HOURS OF 6p.m. - 6a.m. THE OCCUPANCY SENSORS SHALL TAKE CONTROL.
2. DURING THE WEEKENDS THE LIGHTING SHALL BE CONTROLLED VIA OCCUPANCY SENSORS OR OWNER CUSTOM SCHEDULE. COORDINATE WITH OWNER ANY SCHEDULING.



2 TYPICAL RELAY PANEL RISER DIAGRAM
N.T.S.

NORTH

FULLY SPRINKLERED BID DOCUMENTS

Revisions: | Date

CONSULTANTS:

HOPE FURRER Associates, Inc.

ARCHITECTS/ENGINEERS:

A|E works
6587 HAMILTON AVENUE
PITTSBURGH, PENNSYLVANIA 15206
PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

Drawing Title: LIGHTING PLAN - SECOND FLOOR

Approved: Project Director

Project Title: BUILDING 9 - SECOND FLOOR RENOVATION

Location: 1400 Blackhorse Hill Road Coatesville, PA 19320

Date: 05 / 12 / 14 | Checked: JJD | Drawn: JMZ

Project Number: 542-13-105

Building Number: 9

Drawing Number: E102

Dwg. 105 of 125

Office of Construction and Facilities Management

Department of Veterans Affairs

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