

Open Office

2018 IECC Compliant, Space >600 ft²

Dimming with DLM product

BILL OF MATERIALS

LMRC-213 (2), 3-Relay Room Controller, 0-10V Dimming
LMDC-100 (6), Ceiling Mount Dual Tech Occupancy Sensor
LMDM-101 (1), 1-Button Dimming Wall Switch
LMLS-500 (1), Photosensor, Open Loop
ELCU-200 (2) UL924 Emergency Control Unit
LMRJ, Pre-Terminated Cable

CODE REQUIREMENTS

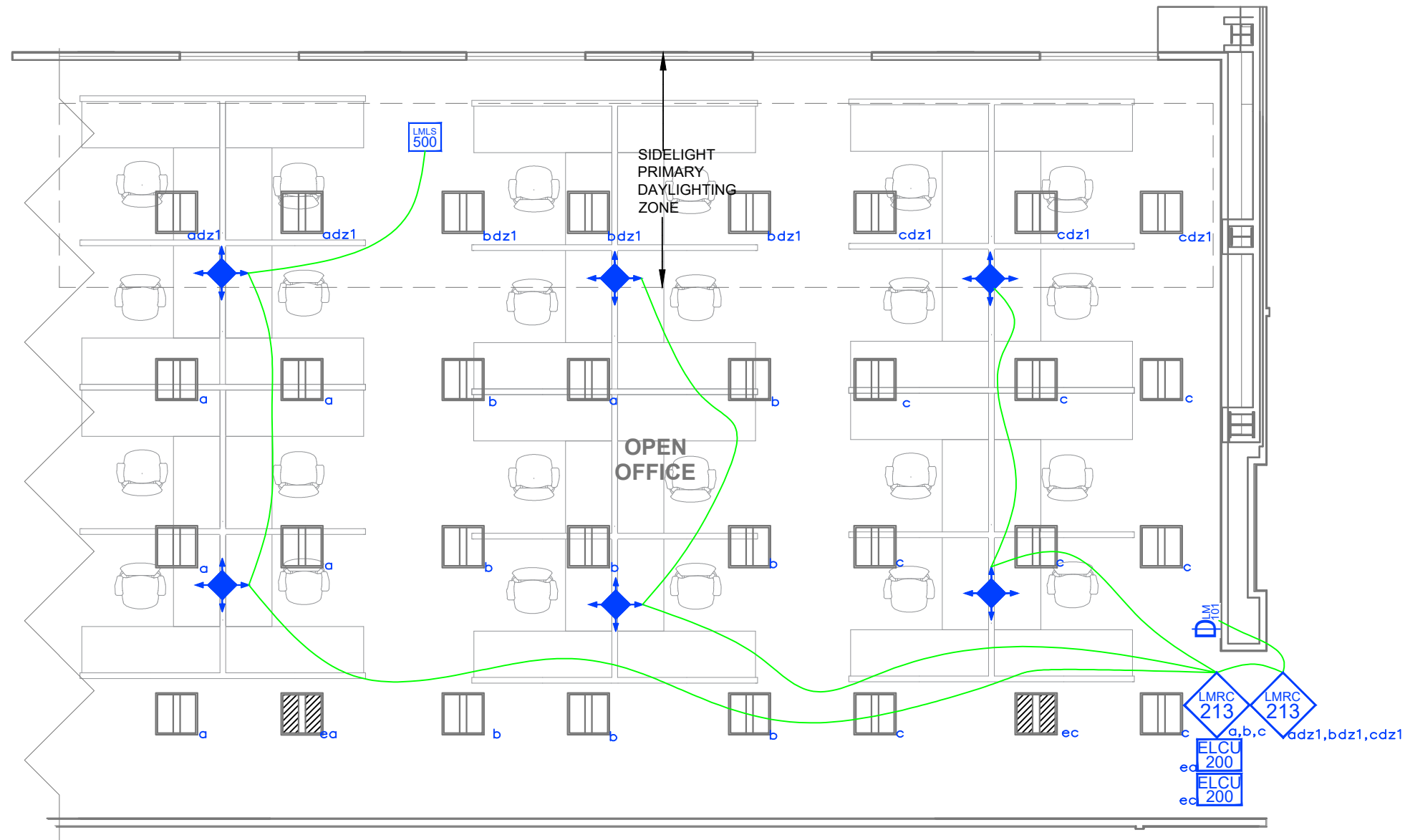
C405.2.1.3: Occupancy Sensor Control Open Offices
C405.2.2.2: Light Reduction Controls
C405.2.3.2: Daylight Responsive Controls
C405.2.5: Manual Controls

SEQUENCE OF OPERATION

1. General lighting in just each zone $\leq 600\text{ ft}^2$ (a, b, c, adz1, bdz1, cdz1) auto On to last set light level when occupancy detected in each zone.
2. Manual On/Off/Dim and reduction control of general lighting for all zones (a, b, c, adz1, bdz1, cdz1) in unison with dimmer switches.
3. Lighting in daylight zone (adz1, bdz1, cdz1) will continuously dim based on daylight contribution to maintain at least 35FC at task level
4. Auto Off all lighting in individual zone within 20 minutes of occupants leaving individual zone.
5. Emergency lighting transfers to emergency power source and full On with loss of normal power.

DESIGN CONSIDERATIONS

- Although not required by IECC, receptacle control can be added to this space for additional energy savings using either an RF transmitter with receptacle RF receivers, or hardwired receptacles using an LMPL-101 Plug Load Room Controller.
- Time scheduling, demand response and remote programming/diagnostic functions are enabled with installation of the LMBC-300 Network Bridge for system connectivity.
- To integrate occupancy detection control with the HVAC System, use a LMRL-100 Isolated Relay Interface.



Wattstopper			
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