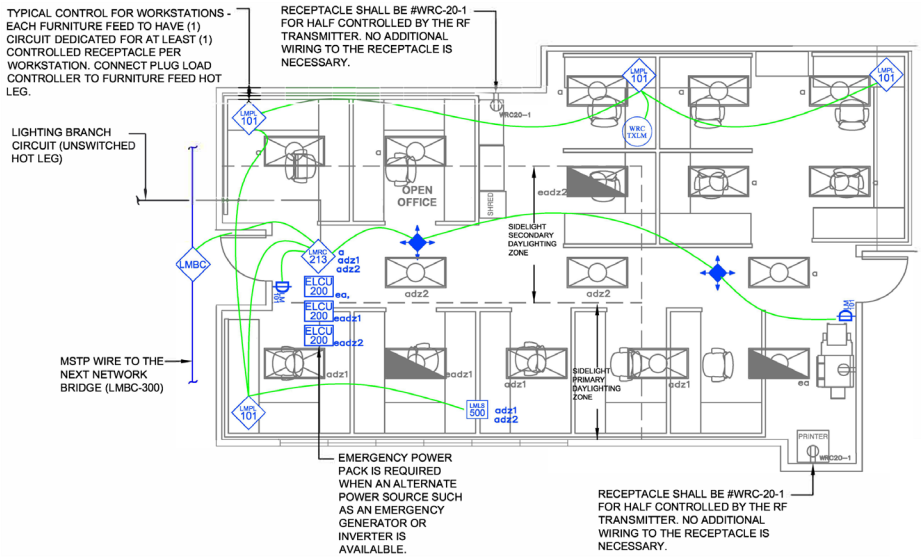
WATTSTOPPER®

Open Office

CA Title 24 (2016) Compliant Space > 100Ft², Bldg > 10,000Ft², Dimming with DLM Product



SEQUENCE OF OPERATION

1. General lighting (a, adz1, adz2) auto On to 50% and controlled receptacles auto On when occupancy detected.
2. Manual On/Off/Dim general lighting (a, adz1, adz2) with dimmer switches.
3. Lighting in primary (adz1) and secondary (adz2) daylight zones will continuously dim based on daylight contribution to maintain at least 35FC at task level.
4. Auto off all lighting and controlled receptacles within 20 minutes of occupants leaving.
5. A network demand response signal will reduce lighting level by a minimum of 15% of total lighting power.
6. Emergency lighting transfers to emergency power source and full On with loss of normal power.

DESIGN CONSIDERATIONS

- Receptacle control can be designed using either an RF transmitter with receptacle RF receivers, or can be hardwired to receptacles using an LMPL-101 Plug Load Room Controller.
- Demand Response, time scheduling and remote programming functions are enabled by the LMBC-300 Network Bridge connectivity. If Demand Responsive 15% lighting power reduction (Title 24 130.1(e)) for this space is offset by more aggressive light reduction in other spaces, connection to the lighting control network may not be necessary, thereby not requiring the LMBC-300 Network Bridge and associated network wiring.
- To integrate occupancy detection control with the HVAC System, use a LMRL-100 Isolated Relay Interface.

BILL OF MATERIALS

LMRC-213 (1)	3-Relay Room Controller, 0-10V Dimming
LMDC-100 (2)	Ceiling Mount Dual Tech Occupancy Sensor
LMDM-101 (2)	1-Button Dimming Wall Switch
LMLS-500 (1)	Photosensor, Open Loop
LMPL-101 (4)	Plug Load Room Controller
WRC-TX-LM (1)	Plug Load RF Transmitter
WRC-20-1 (2)	Plug Load Half Controlled Receptacle
LMBC-300 (1)	Wired Network Bridge
ELCU-200 (3)	UL924 Emergency Control Unit
LMRJ	Pre-Terminated Cable

CODE REQUIREMENTS

130.1(a)1-3	Area Controls
130.1(b)	Multi-Level Controls
130.1(c)5	Occupancy Sensor Shut-Off Controls
130.1(d)1.B	Auto Daylighting Control
130.1(e)	Demand Responsive
130.5(d)	Receptacle Control