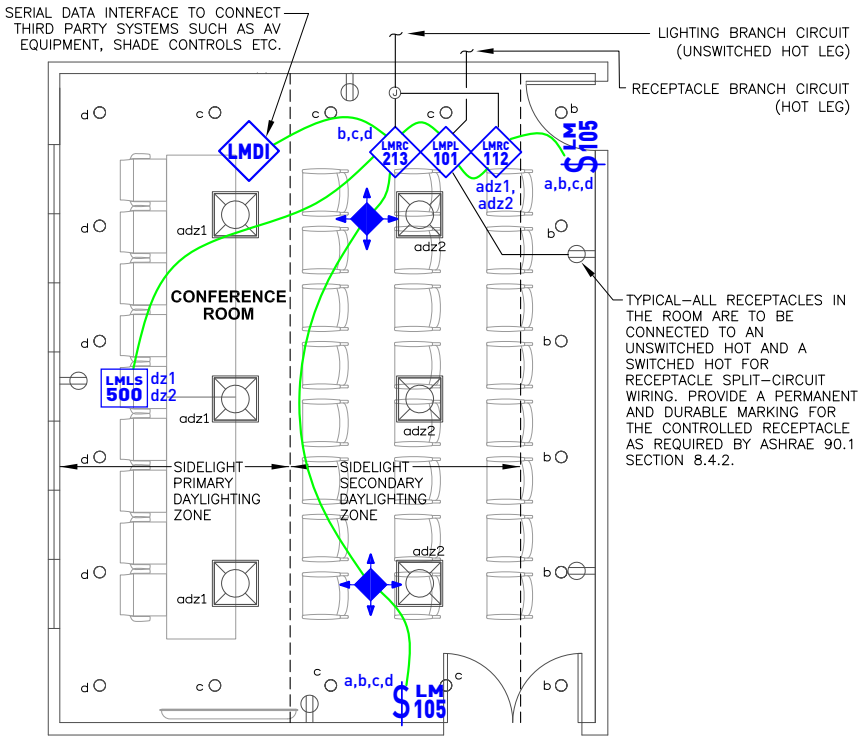
WATTSTOPPER®

Conference Room

ASHRAE 90.1 (2013) Compliant Space < 5000Ft², Dimming with DLM product



BILL OF MATERIALS

LMRC-213 (1)	3-Relay Room Controller, 0-10V Dimming
LMRC-112 (1)	2-Relay Room Controller, 0-10V Dimming
LMDC-100 (2)	Ceiling Mount Dual Tech Occupancy Sensor
LMSW-105 (2)	5-Button Scene Switch
LMLS-500 (1)	Photosensor, Open Loop
LMPL-101 (1)	Plug Load Room Controller
LMDI-100 (1)	Serial Data (A/V) Interface

CODE REQUIREMENTS

9.4.1.1(a)	Local Control Device
9.4.1.1(b, c)	Manual On / Partial Auto On
9.4.1.1(d)	Bi-level Control
9.4.1.1(e)	Auto Daylight Responsive
9.4.1.1(h)	Auto Full Off
8.4.2	Auto Receptacle Control

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) and down lighting (b, c, d) with scene switches.
3. Scene settings

a. General Lighting	(a, adz1, adz2) 100%	(b) 0%	(c) 0%	(d) 0%
b. Projection	(a, adz1, adz2) 0%	(b) 75%	(c) 50%	(d) 0%
c. Conferencing	(a, adz1, adz2) 50%	(b) 50%	(c) 25%	(d) 50%
d. All Off	(a, adz1, adz2) 0%	(b) 0%	(c) 0%	(d) 0%

4. Lighting in primary (adz1) and secondary (adz2) daylight zones will continuously dim based on daylight contribution to maintain at least 35FC at task level.
5. Auto off all lighting, controlled receptacles, A/V systems within 20 minutes of occupants leaving.

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.
- 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.