

STEINEL®
PROFESSIONAL

Solution Review

COM2-24 APPLICATIONS

PRESENTED BY POURIA NIKNAM

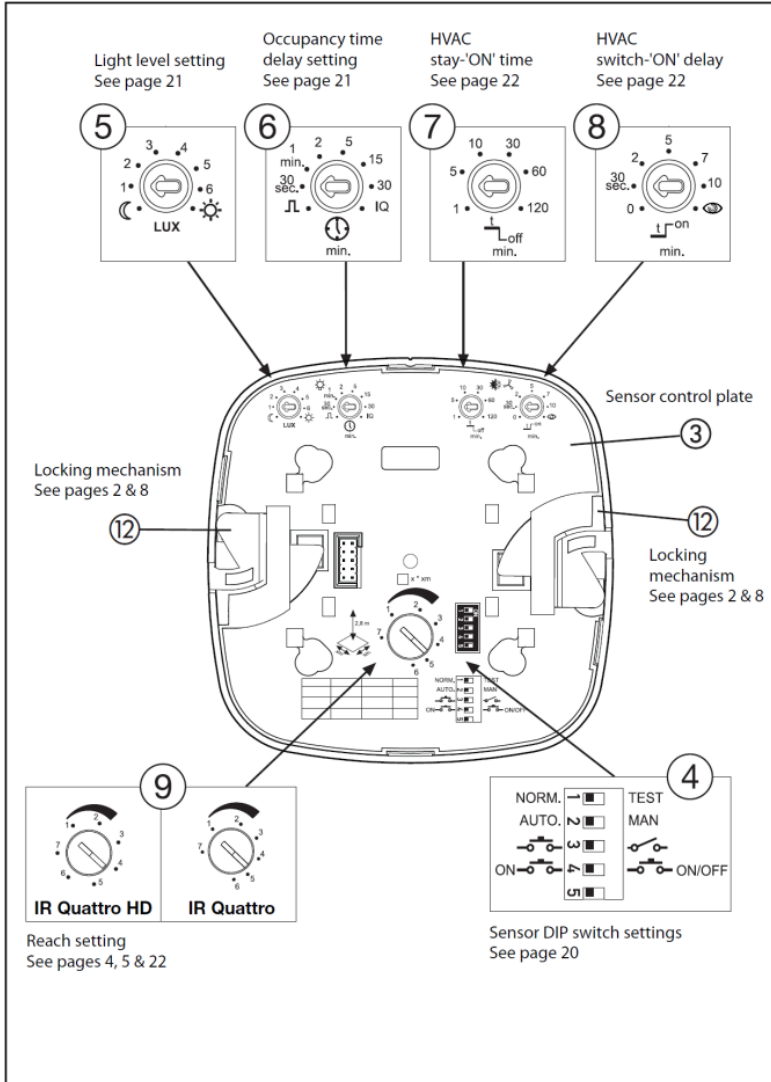
- COM2-24 Features
- Energy Saving in HVAC Systems
- Receptacle Control Using COM2-24



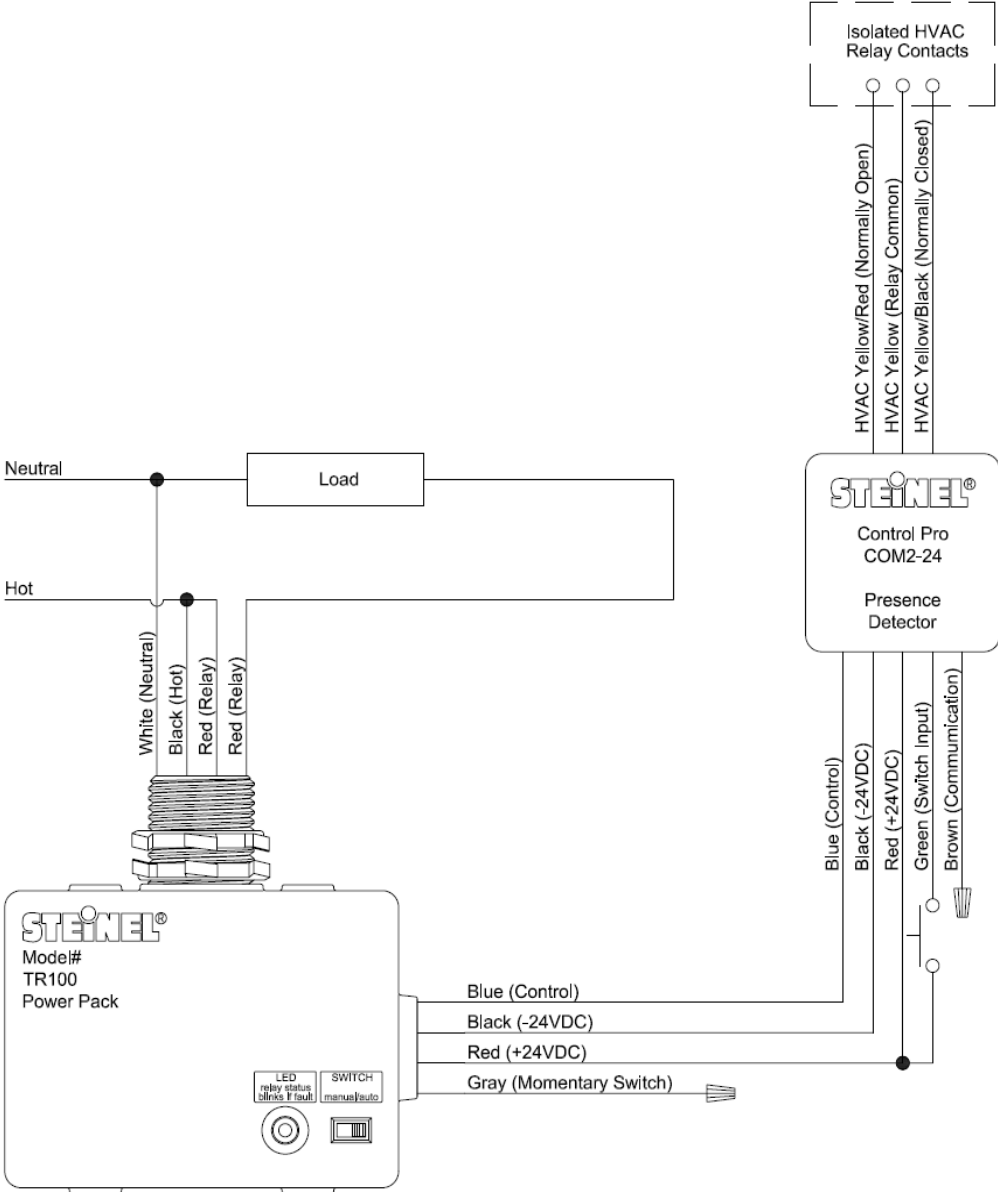
COM2-24 Settings

IR Quattro COM2-24 / IR Quattro HD COM2-24

HVAC Stay-ON Time	1-120 min
HVAC Switch-ON Delay	30 sec – 10 min

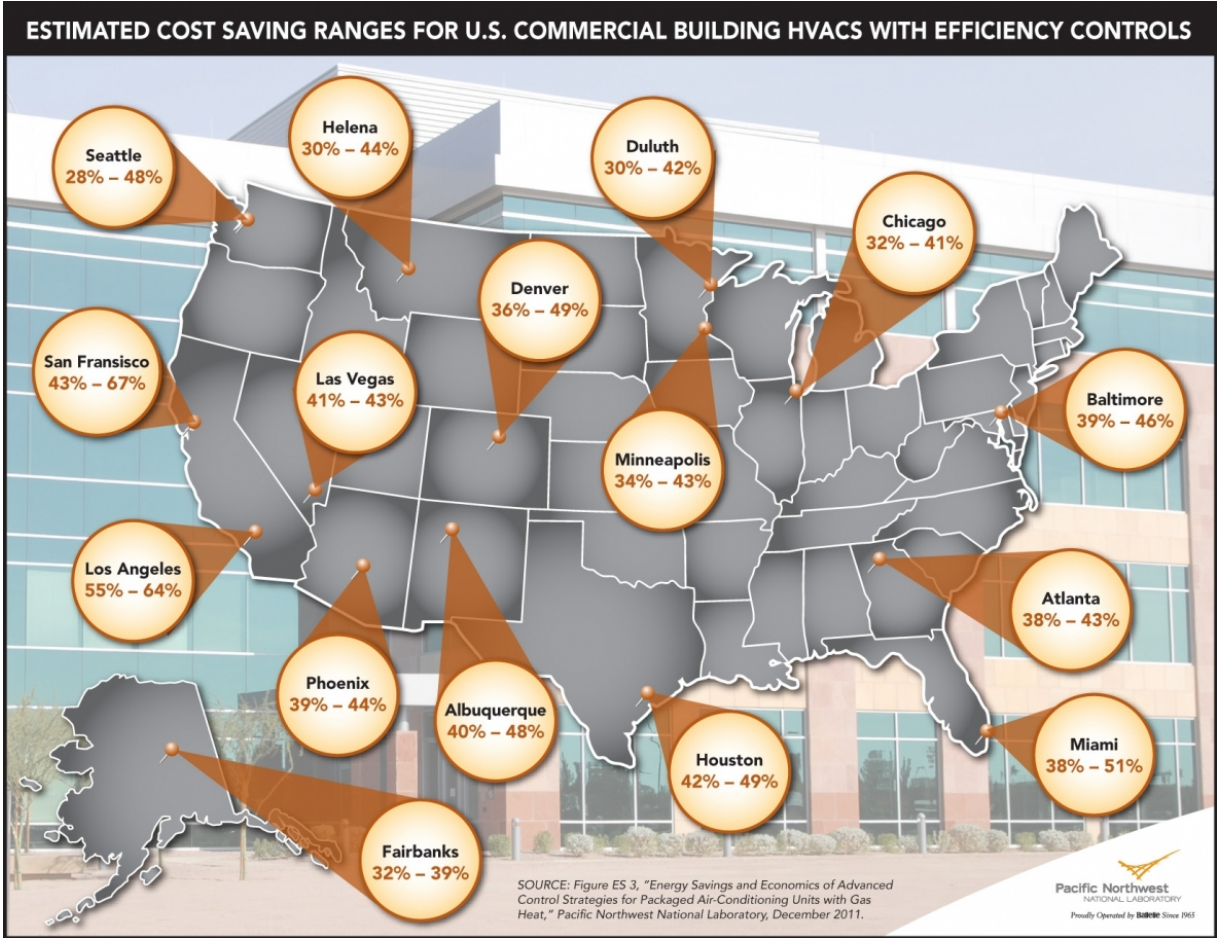


COM2-24 Basic Wiring



Energy Efficiency and HVAC

Average energy cost saving of 38% by adding few controls to the HVAC system.



Energy Savings for OBC

US Department of Energy - Energy Savings for Occupancy Based Control (OBC) of Variable Air-Volume (VAV) Systems

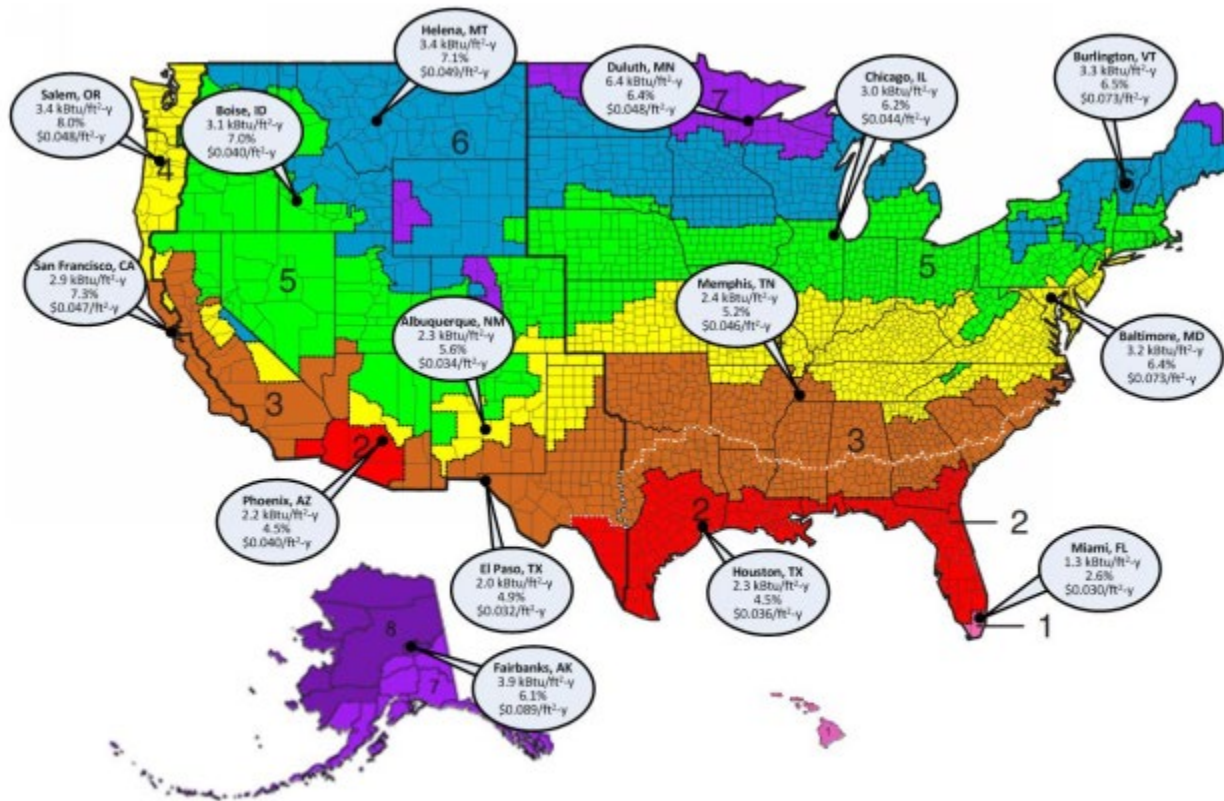
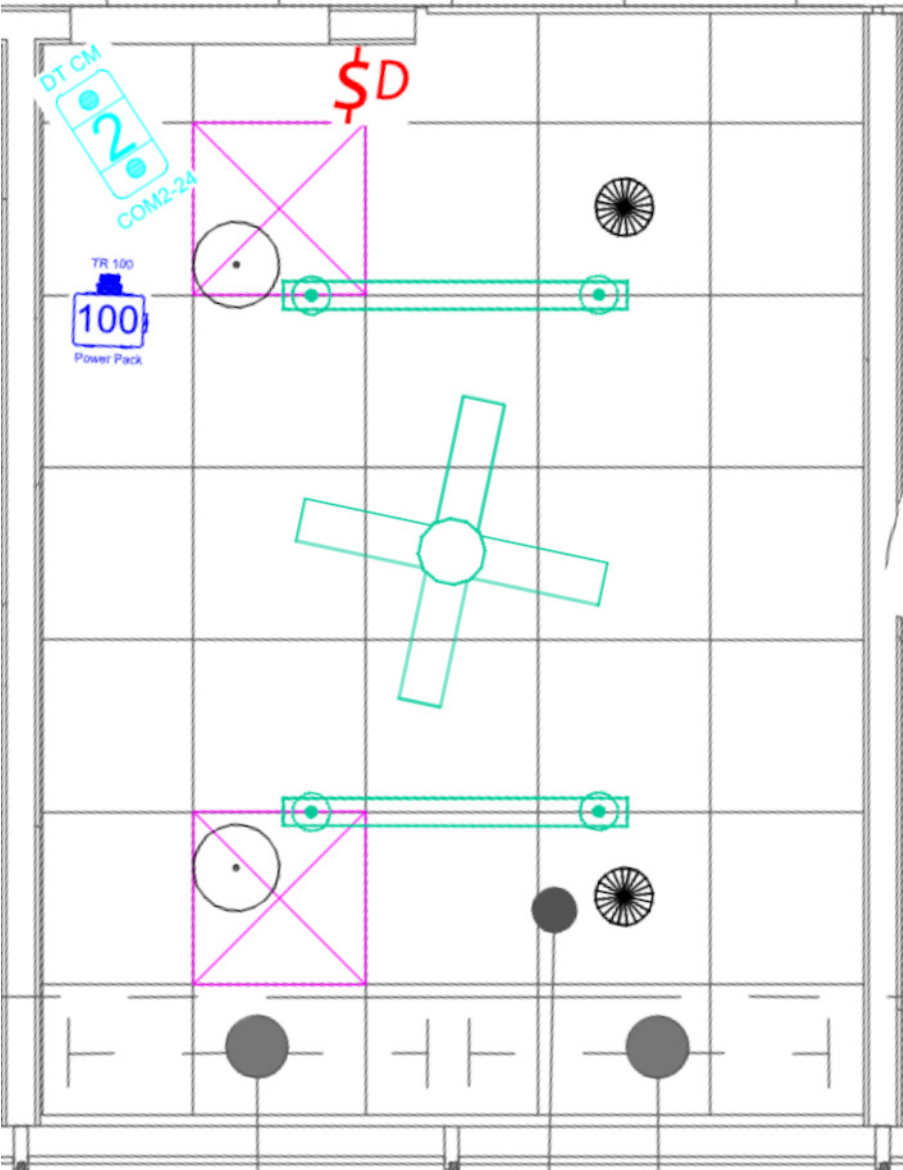


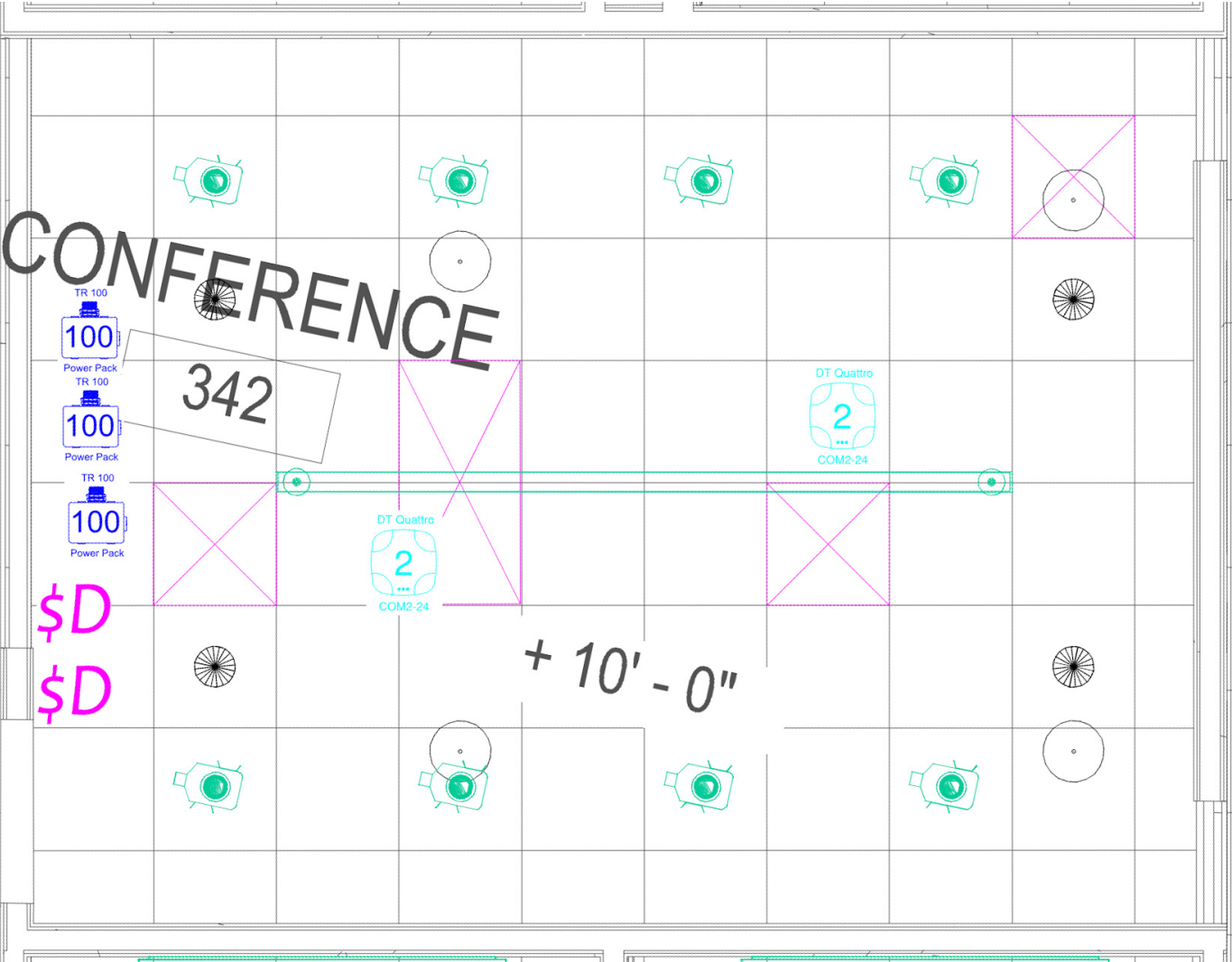
Figure ES- 1. Savings from retrofit of OBC using common occupancy sensors for lighting and terminal boxes in the large office building that initially has no OBC for locations in the 15 U.S. climate zones. The numbered climate zones are color coded. [map adapted from DOE (2010)]

Private Office with HVAC Integration



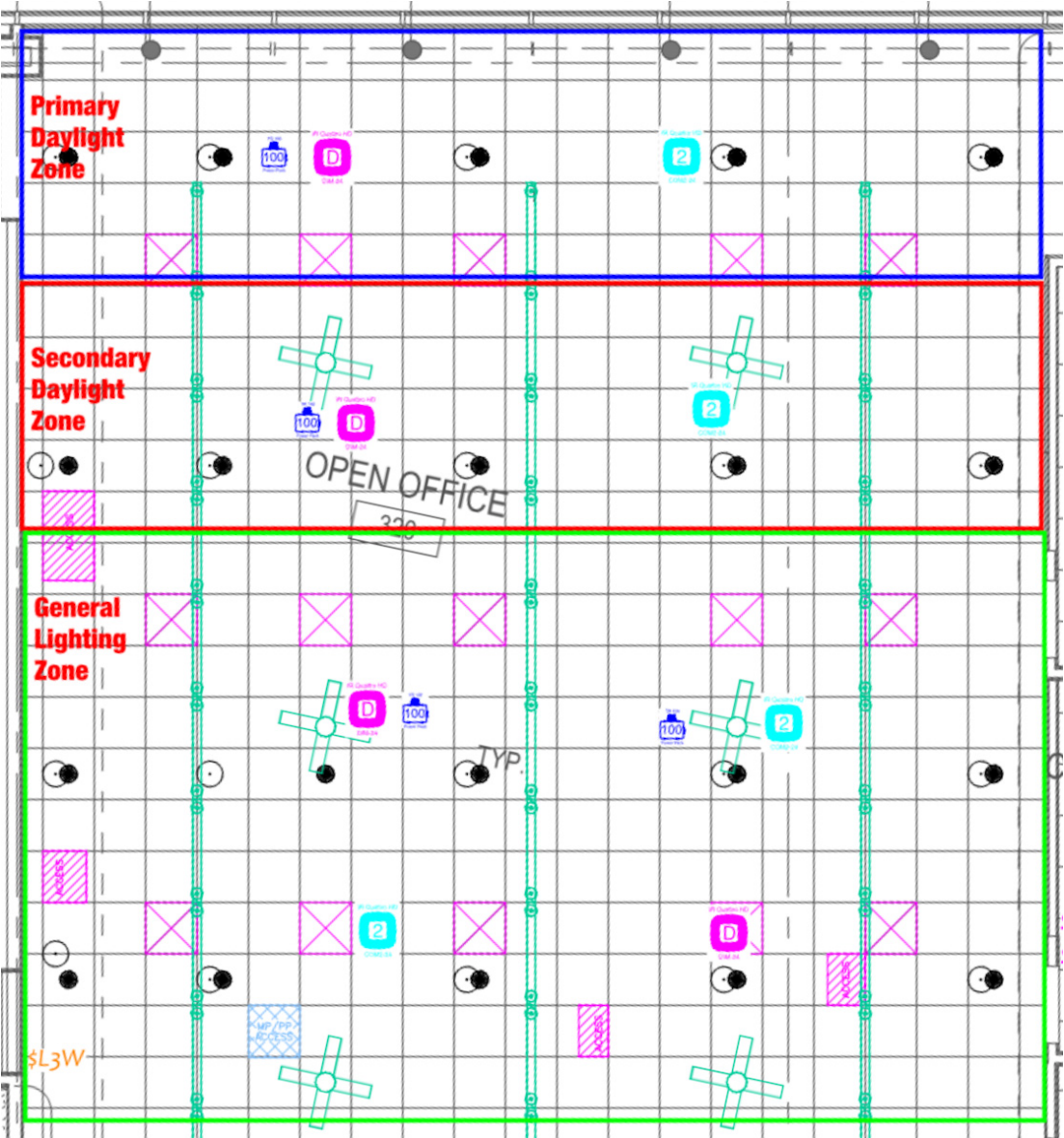
Product	Qty.
IR CM COM2-24	1
TR 100	1
0-10V Slide Dimmer	1

Conference Room with HVAC Integration



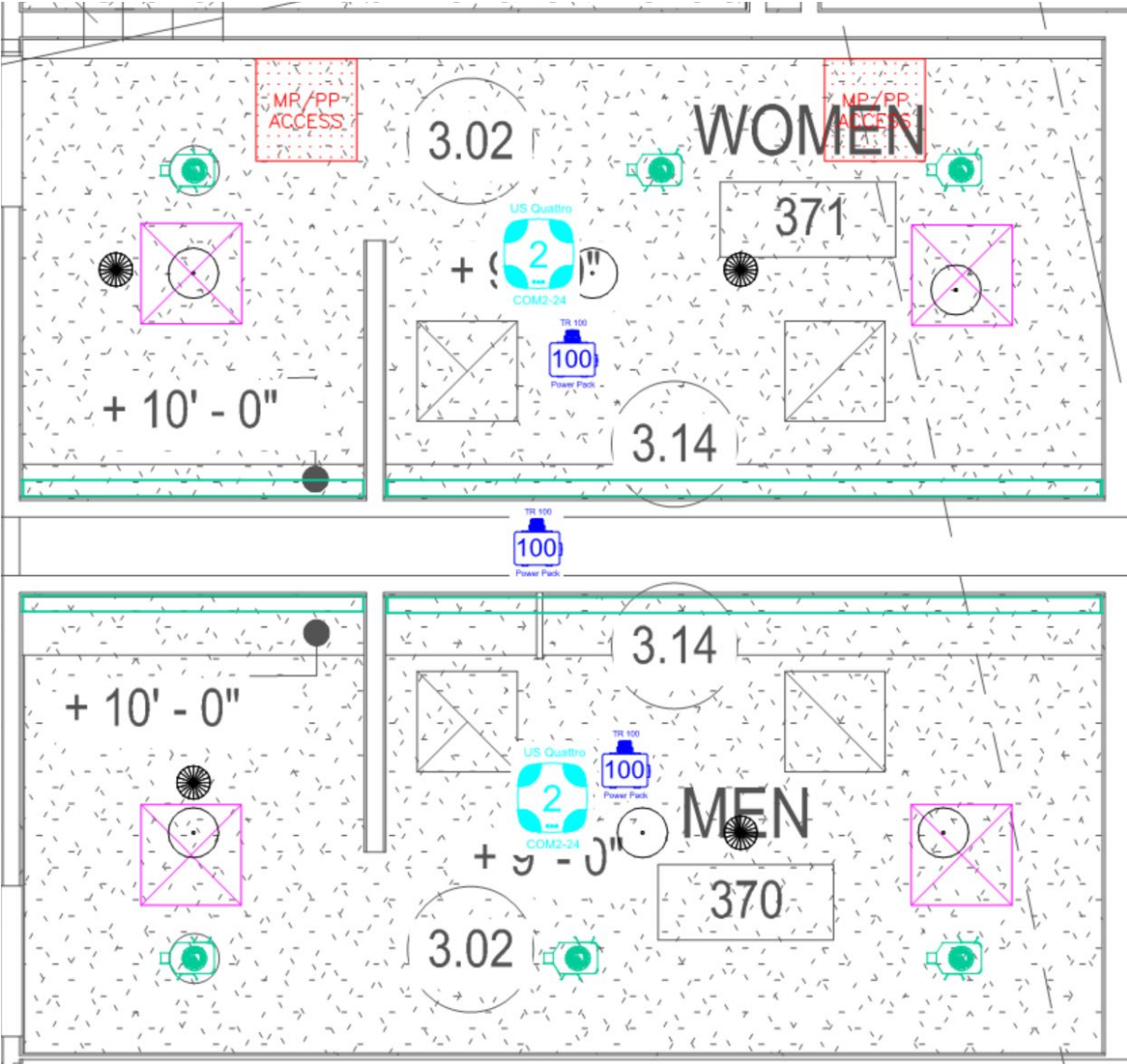
Product	Qty.
DT Quattro COM2-24	2
TR 100	3
0-10V Slide Dimmer	2

Open Office Areas with HVAC Integration



Product	Qty.
IR Quattro HD DIM-24	4
IR Quattro HD COM2-24	4
TR 100	4
LV-3-W	1

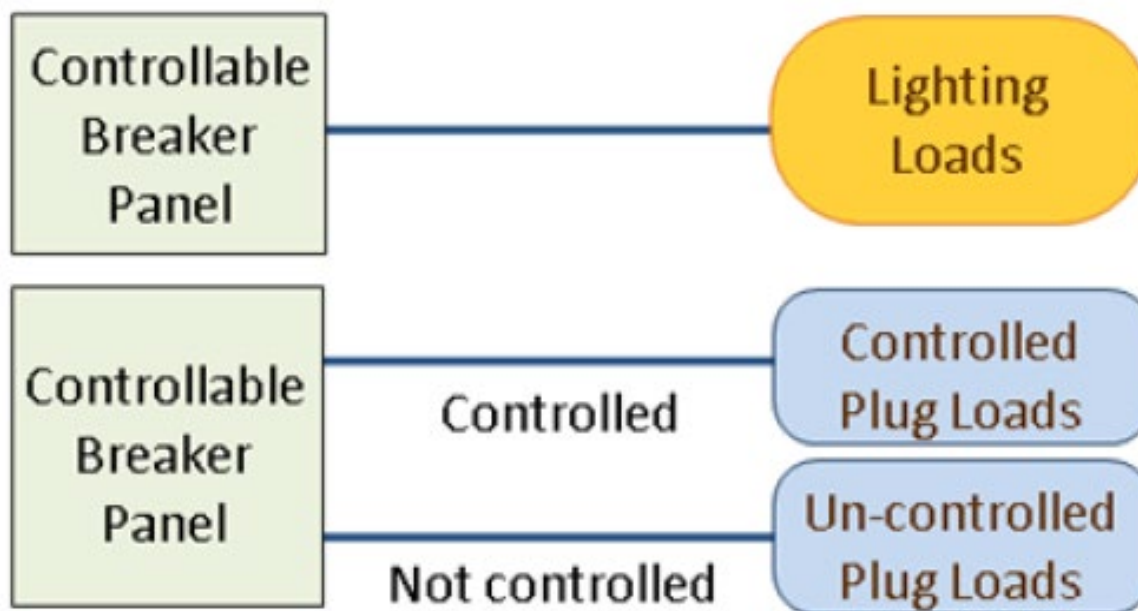
Public Restrooms with Common Ex-Fan



Product	Qty.
US Quattro COM2-24	2
TR 100	3

ASHRAE 90.1 – Receptacle Control

As per section 8.4.2, 50% of receptacles in each area are to be controlled based on a time schedule or occupancy.



California Title 24 – Receptacle Control

As per section 135.1(d), 50% of receptacles are required to automatically turn off based on occupancy or after a vacancy of 20 minutes or less. Each uncontrolled receptacle must have at least one controlled receptacle within 6 feet.

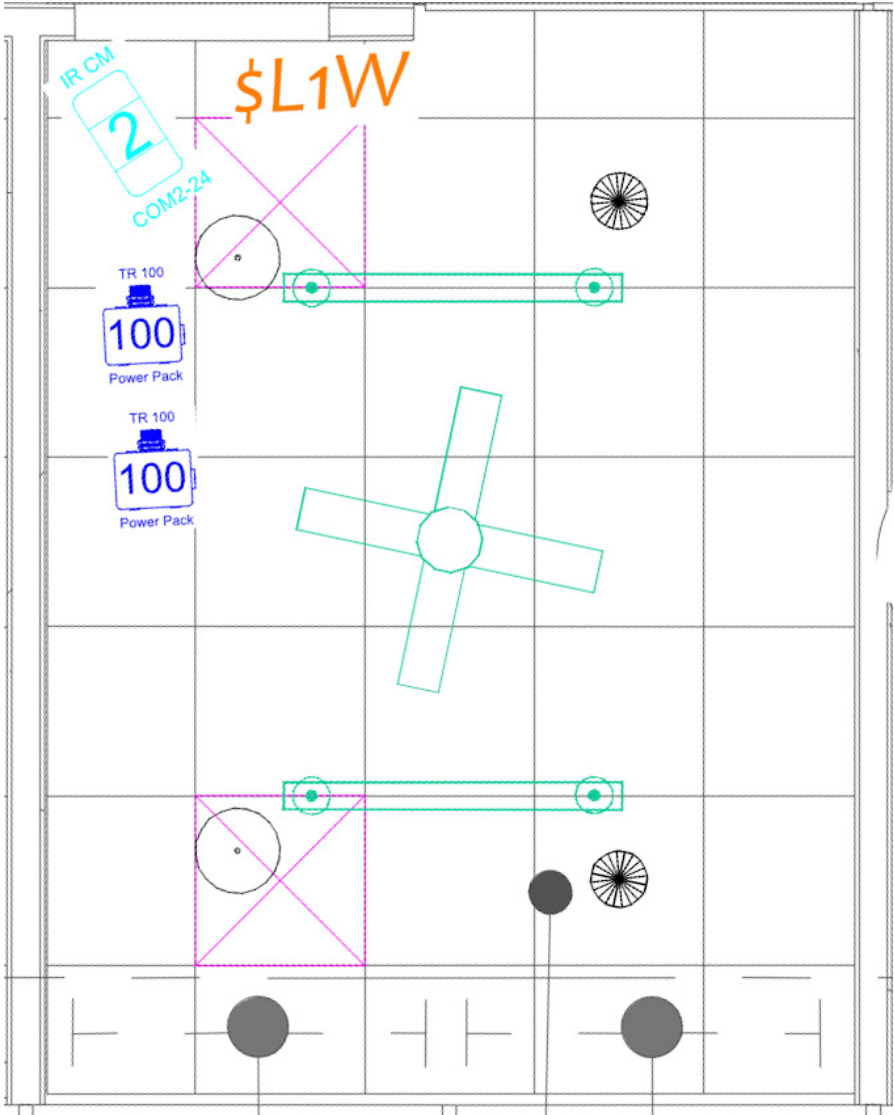


The state of California's office plug loads consume at least 3,000 gigawatt hours annually – that's more than

**400 MILLION
DOLLARS**

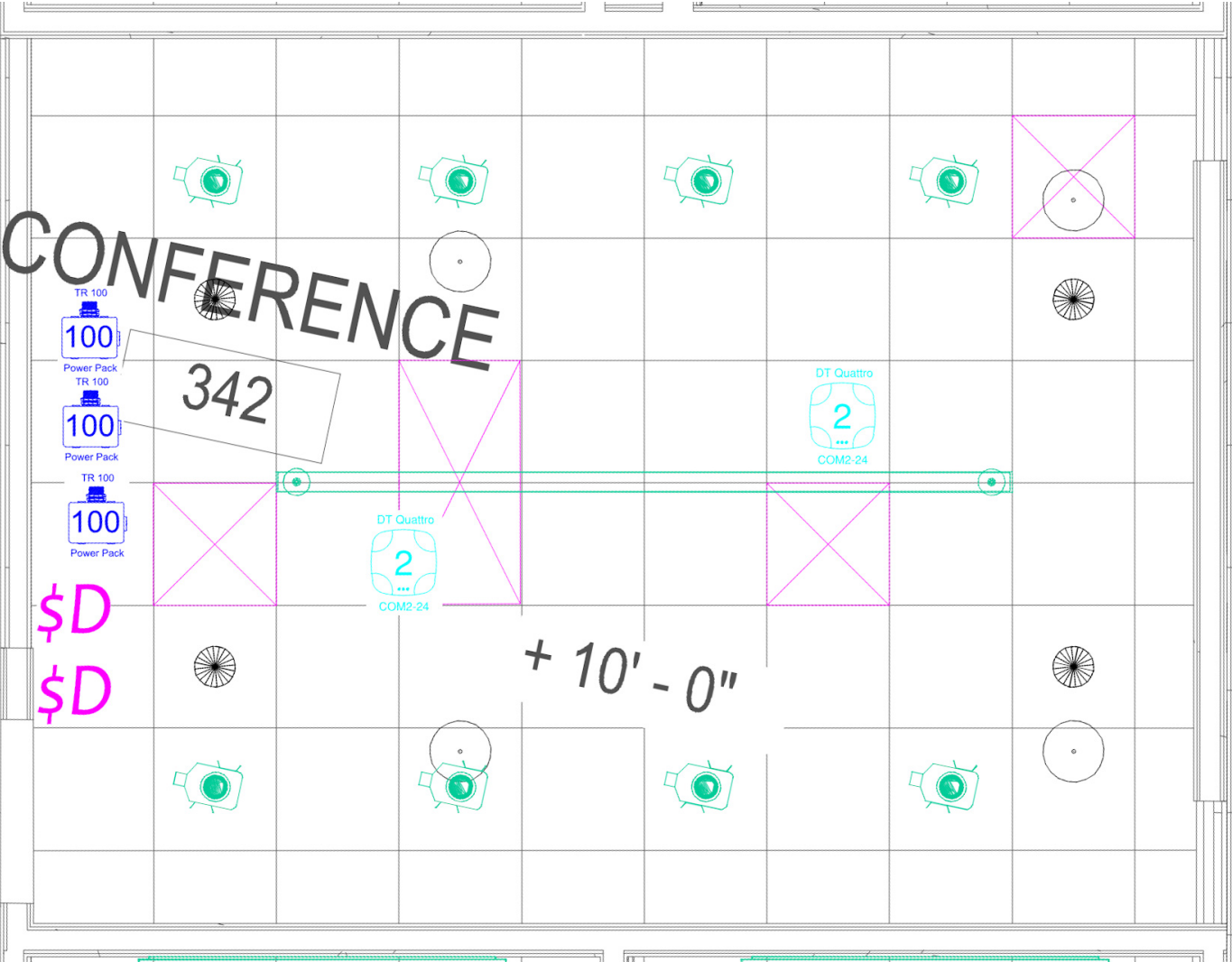
each year. And that's just one state – and just one type of building.

Private Office with Receptacle Control



Product	Qty.
IR CM COM2-24	1
TR 100	2
0-10V Slide Dimmer	1

Conference Room with Receptacle Control



Product	Qty.
DT Quattro COM2-24	2
TR 100	3
0-10V Slide Dimmer	2

Thank You

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