Multi-Stall Restroom

IECC 2018 Compliant
On/Off Switching with DLM Product

BILL OF MATERIALS

LMRC-102 (2), 2-Relay Room Controller
LMDC-100 (2), Ceiling Mount Dual Tech Occupancy Sensor
LMSW-102 (2), 2-Button Digital Wall Switch
LMRL-100 (2), Isolated Relay Interface
LMRJ-03 (2), 3' CAT5 Cable
LMRJ-15 (4), 15' CAT5 Cable

CODE REQUIREMENTS

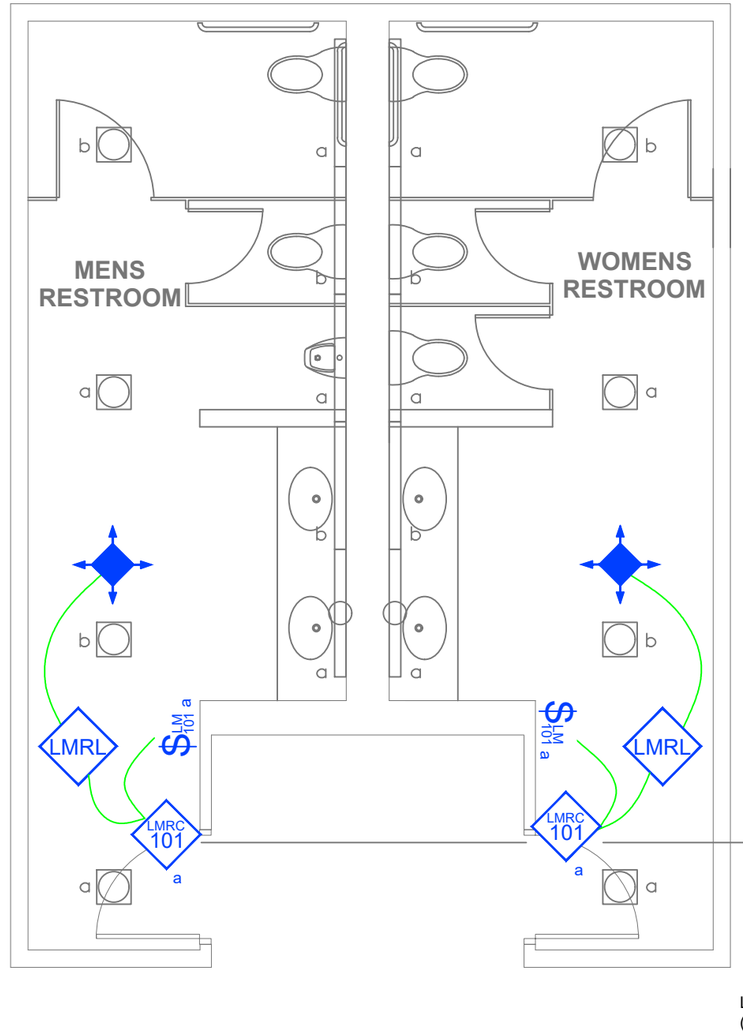
C405.2.1: Occupancy Sensor Controls
C405.2.1.1: Manual On / Partial Auto On
C405.2.2.2: Light Reduction Control
C405.2.5: Manual Controls

SEQUENCE OF OPERATION

1. For each restroom independently, lighting (a) auto On to 50% and exhaust fan auto on when occupancy detected.
2. Manual On/Off and 50% reduction control of general lighting (a, b) with switches.
3. Auto Off all lighting and exhaust fan for each restroom independently within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- It is important that each restroom (men and women) operate independently and be isolated for correct auto configuration and operation of each independent exhaust fan.
- The IECC standard allows restroom lighting to automatically turn on up to 100% of lighting power if desired.
- Time scheduling, demand response and remote programming/diagnostic functions are enabled with installation of the LMBC-300 Network Bridge for system connectivity.



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Title			
IECC 2018 MULTI-STALL RESTROOM SWITCHING			
Scale	Drawing#	Date	Rev.
None	I18RRRD	10/3/2018	