**Typical Open Office w/Daylight Harvesting**

**Sequence of Operation**

When the occupancy sensor in the space senses movement, receptacles and lighting will automatically turn on. The switch on the wall can be used to turn the lights on and off. A quick press up or down of the switch will turn the lights on or off. A press and hold up or down will dim the lights up or down. The daylight sensor(s) in the room will determine the level of artificial and natural light in the space and dim the lights in the daylight zones to maintain a set point. The lowest dimming value between the daylight sensor and wall switch will be the dim level used. When the room becomes vacant, the lights and receptacles will turn off after a predetermined amount of time (default 15 minutes). When a Demand Response event is triggered the lights will dim down to a predetermined level.

**Typical Material List**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ELED1-AUN</td>
<td>LED Fixture Controller 120-277V</td>
</tr>
<tr>
<td>2</td>
<td>MOS-DTUA</td>
<td>Occupancy/Vacancy Sensor (1000 Sq. Ft.)</td>
</tr>
<tr>
<td>1</td>
<td>TAP-31U</td>
<td>Interior Photo Sensor</td>
</tr>
<tr>
<td>2</td>
<td>ERNR-AIU</td>
<td>Split Controlled Receptacle</td>
</tr>
<tr>
<td>1</td>
<td>PTM365UW</td>
<td>Decorator Style Switch</td>
</tr>
<tr>
<td>1</td>
<td>ERDRI-AU</td>
<td>Demand Response Interface</td>
</tr>
</tbody>
</table>

**Title 24 Compliance**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Device</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Switching</td>
<td>MOS-DTUA</td>
<td>PTM365UW</td>
</tr>
<tr>
<td>Fully Automatic Light shut Off</td>
<td>ERNR-AIU</td>
<td></td>
</tr>
<tr>
<td>Plug Load Control</td>
<td>ERNR-AIU</td>
<td></td>
</tr>
<tr>
<td>Multi-Level Daylight Control</td>
<td>TAP-31U</td>
<td></td>
</tr>
<tr>
<td>Demand Response Ready</td>
<td>ERDRI-AU</td>
<td></td>
</tr>
</tbody>
</table>

**SPECIFICATION:**

1. **Lighting Control System**
   - Shall be manufactured by Echoflex Solutions Inc.
   - Shall have the ability to be factory pre-linked and pre-configured or programmed on site using simple tap, smart click or Garibaldi software.
   - Controllers shall be able to function as a stand alone system along with their optional peripheral wireless devices including a wall switch, split controlled receptacle, and occupancy sensor.
   - Controllers shall be able to be networked together to form an integrated building solution.
   - Echoflex ELDEI: 0-10 V dimming controller shall be ETL recognized and UL listed, conforming to UL60730, and certified to CAN/CSA standard 60930 and UL94. All system control electronics shall store programming in non-volatile memory. The controller shall be capable of repeating signals and transmitting status.
   - Occupancy sensors (OS): Occupancy sensor shall be solar powered wireless sensor with an optional battery. Sensor shall be compatible with occupancy and vacancy modes when used in conjunction with the dimming room controller. Sensor shall provide LED indication for RF range confirmation. Sensor shall wirelessly communicate with the split controlled receptacle. Sensor shall have ability to function up to 120 days in complete darkness.
   - RF system shall network wirelessly, integration with BMS Demand response via the use of gateways and wireless wired I/O interfaces. Verify and install only those interfaces indicated on the plans.
   - EC shall install Echoflex system as indicated per manufacturer’s final drawings and installation documents in accordance to all local and national codes. Factory on-site start up and training is optional. Echoflex requires 3 weeks advanced notice to schedule on-site start up if requested. Echoflex will provide system verification and adjust programming if required to customer requirements.
   - This drawing represents design concept and intent only. We do not guarantee the information in this document is suitable for your particular application, nor do we assume any responsibility for your system design, installation or operation. We reserve the right to make changes to the products described or information herein at any time without notice and without any obligation.
   - Specifications subject to change without notice.
   - Telephone factory support shall be available at no additional cost to the EC or owner.

2. **Contact Echoflex Solutions**
   - Head Office: 1778.733.0111
   - Toll-Free: 1-888.324.6359
   - Quotes@EchoflexSolutions.com
   - EchoflexSolutions.com

**Echoflex Solutions, Inc.**

29914 Quinceen Way Unit #1 Squamish, British Columbia Canada V0N 1N0 Phone: 1 (778) 735-3111 Toll Free: 1 (800) 324-6359 Fax: 1 (604) 318-0776 echoflexsolutions.com

**Section Requirement**

- 130.1a Local Switching
- 130.1c Fully Automatic Light shut Off
- 130.5d Plug Load Control
- 130.1d Multi-Level Daylight Control
- 130.1e Demand Response Ready

**Device**

- Mos-DTUA
- PTM365UW
- ERNR-AIU
- TAP-31U
- ERDRI-AU

**Part #**

- PTM365UW
- Mos-DTUA
- ERNR-AIU
- TAP-31U
- ERDRI-AU