DESIGN NOTES:

LIGHTING LEVELS ARE CALCULATED BASED ON LUMINAIRES MOUNTED AT LISTED CEILING HEIGHT AND WORKPLACES SURFACE AT 25° ABOVE FINISHED FLOOR (AFF).

REFLECTANCES ARE 80/95/80 PER EIGEN RP-1-12.

TARGET VOT (SCREEN/KEYBOARD TASKS) 50 FOOT CANDLES.

TOTAL LIGHT LOSS FACTOR(LF) OF .85 HAS BEEN USED FOR THIS CALCULATION.

THE VISUAL FILE FOR THIS TYPICAL CAN BE FOUND AT:
http://www.acuitybrands.com/resources/tool-and-documentary/dl

TO MAKE ADJUSTMENTS FOR ROOM SIZE, CEILING HEIGHT, REFLECTANCE OR WORK SURFACE, USE THE VISUAL INTERIOR TOOL AVAILABLE AT:
https://www.visual-3d.com/tools/interior

STATISTICS

<table>
<thead>
<tr>
<th>AVG FC</th>
<th>MAX FC</th>
<th>MIL FC</th>
<th>MAX</th>
<th>AVG</th>
<th>MAX</th>
<th>AVG</th>
<th>TOTAL</th>
<th>AREA</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.9</td>
<td>29.8</td>
<td>29.8</td>
<td>27.1</td>
<td>27.1</td>
<td>27.1</td>
<td>25.1</td>
<td>132.18</td>
<td>1200 SF</td>
<td>1.28 W/ft</td>
</tr>
</tbody>
</table>

DIAGRAM LEGEND

- CAT5A CABLE: USE FOR CABLE NETWORK CONNECTION
- L PPV VOLTAGE AND CIRCUIT
- L PPV: POWER

LUMINAIRE & CONTROL SCHEDULE

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>LABEL</th>
<th>QTY</th>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>WATTAGE</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>UH-4L-30-30-3F</td>
<td>4</td>
<td>2P6LEZ2L638APN60</td>
<td>2020 Lumina, 4000K, Night Enabled Luminaire</td>
<td>20.48</td>
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<tr>
<td></td>
<td>RL-4000-PL</td>
<td>1</td>
<td></td>
<td>Plug Load Relay Pack</td>
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<tr>
<td></td>
<td>RL-4000-RO</td>
<td>1</td>
<td></td>
<td>On/Off &amp; Rabe Lower Wall Station</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RL-4000-ND</td>
<td>1</td>
<td></td>
<td>Dual Technology Occupancy Sensor With Automatic Dimming Photocell</td>
<td></td>
</tr>
</tbody>
</table>

SEQUENCE OF OPERATION:

- LUMINAIRES
  - ALL LUMINAIRES ARE DIMMABLE
  - ALL LUMINAIRES ARE CONTROLLED TOGETHER
  - MAXIMUM LEVEL CAN BE LIMITED TO 80%

- OCCUPANCY
  - LUMINAIRES MUST BE TURNED ON MANUALLY (OR OPTIMALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50% OR 100%)
  - PLUS LOAD TURNS ON AUTOMATICALLY
  - LUMINAIRES & PLUS LOAD AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT

- DAYLIGHT:
  - SMOOTH CONTINUOUS DIMMING
  - CUSTOM GROUPING OF LUMINAIRES INTO SEPARATE DAYLIGHT ZONES (RACK, NUMBER ZONES, NUMBER OF LUMINAIRES)
  - NOT REQUIRED IF TOTAL LUMINAIRE IS <= 120W

- MANUAL:
  - ON-OFF & RAISE/LOWER CONTROL OF LUMINAIRES

ADDITIONAL OPTIONS:

- SURFACE OR RECESSED MOUNT SENSORS ARE ALSO AVAILABLE
- ROOM CAN BE CONNECTED TO NIGHT BACKBONE TO ENABLE NETWORK CONTROL OR AUTO OFF/AUTO ON (AUTOMATIC DEMAND RESPONSE)
- FOR EMERGENCY LIGHTING CONTROL ADD A NIC/P4 & ER PACK

COMPLIES WITH:

- ASME A1.39.2010
- ENEC 2012
- AAAE 48.1.2002