



|                    |       |                    |     |    |    |     |
|--------------------|-------|--------------------|-----|----|----|-----|
| Wall-mounted       | WL-3  | Religious building | New | 2  | 45 | 90  |
| Other fixture type | SL-1  | Religious building | New | 1  | 40 | 40  |
| Other fixture type | SL-3E | Religious building | New | 21 | 36 | 756 |

| Project Title | BARNABIE POINT K-8 - 2021 WSEC |  |  | Date | May 30, 2025 |
|---------------|--------------------------------|--|--|------|--------------|
|---------------|--------------------------------|--|--|------|--------------|

| NEW BUILDING - INTERIOR LIGHTING |  |                         |           |                    |                           |  |
|----------------------------------|--|-------------------------|-----------|--------------------|---------------------------|--|
| Fixture Type/Application         | Fixture ID   | Location in Documents   | Lamp Type | Building Area      | New or Existing-to-Remain |  |
| <b>Individual Fixtures</b>       |  |                         |           |                    |                           |  |
| Direct / indirect pendant        | PL-1   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Fixture Description: 4' Pendant  |                         |           |                    |                           |  |
| Direct / indirect pendant        | PL-2   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Pendants measured by foot                                   |                         |           |                    |                           |  |
| Direct / indirect pendant        | PL-3   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Pendants measured by foot                                   |                         |           |                    |                           |  |
| Direct / indirect pendant        | PL-4   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: 8" Pendants   |                         |           |                    |                           |  |
| Direct / indirect pendant        | PL-5   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
| Direct / indirect pendant        | RL-3   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: 1X4 Recessed  |                         |           |                    |                           |  |
| Direct / indirect pendant        | SL-2   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: 18" GYM FIXTURE   |                         |           |                    |                           |  |
| Troffer                          | RL-1   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Recessed Hall and Bathroom Lights                           |                         |           |                    |                           |  |
| Troffer                          | RL-2   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: 1X4 Recessed  |                         |           |                    |                           |  |
| Recessed cove lighting           | RL-4   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
| Wall-mounted                     | EP   | E-200                   | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Elevator Light  |                         |           |                    |                           |  |
|                                  | Do these fixtures require specific application lighting controls?: None required |                         |           |                    |                           |  |
| Wall-mounted                     | WL-3   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Leaner wall washer  |                         |           |                    |                           |  |
| Other fixture type               | SL-1   | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: 4' Surface  |                         |           |                    |                           |  |
| Other fixture type               | SL-3E  | E-200,E-201,E-202,E-203 | LED       | Religious building | New                       |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |
|                                  | Fixture Description: Surface fixture   |                         |           |                    |                           |  |
|                                  | Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)     |                         |           |                    |                           |  |

|                                   |                                       |                                |                     |
|-----------------------------------|---------------------------------------|--------------------------------|---------------------|
| <b>Project Title</b>              | <b>BARNABIE POINT K-8 - 2021 WSEC</b> | <b>Date</b>                    | <b>May 30, 2025</b> |
| <b>Lighting Power Calculation</b> |                                       | <b>Compliance Verification</b> |                     |
| <b>Exterior Lighting Zone</b>     |                                       | <b>COMPLIES</b>                |                     |
| ZONE 2                            |                                       | Base Site Allowance            |                     |
|                                   |                                       | 280                            |                     |

| Exterior Lighting Power Allowance  |                              |                   |                |                  |                |  |
|------------------------------------|------------------------------|-------------------|----------------|------------------|----------------|--|
| Exterior Surface                   | Surface Sub-Type             | Surface Area (SF) | LPA (Watts/SF) | Linear Feet (LF) | LPA (Watts/LF) | Total Watts Allowed (LPA x SF) or (LPA x LF) |
| Building grounds                   | Walkways < 10 feet wide      | 752               | 0.07           |                  |                | 53   |
| Building entrances and exits       | Pedestrian entrances & exits |                   |                | 42               | 9.8            | 412  |
| Uncovered parking areas and drives |                              | 22,500            | 0.026          |                  |                | 585  |
| Base Site Allowance                |                              |                   |                |                  |                | 280  |
| <b>Totals</b>                      |                              |                   |                |                  |                | 1,329  |
|                                    |                              |                   |                |                  |                | 962  |
|                                    |                              |                   |                |                  |                | COMPLIES                                     |

| Proposed Exterior Lighting Power Density |             |   |                          |  |                        |  |
|--|-------------|---|--------------------------|--|------------------------|--|
| Fixture Type                             | Fixture ID  | Exterior Surface Type                                       | Quantity of Fixtures (#) | Watts or Wattage Limit per Fixture (WpF) | Total Linear Feet (LF) | Total Watts Proposed (#F x WpF) or (LF x WpLF) |
| <b>Individual Fixtures</b>               |             |   |                          |  |                        |  |
| Pole top-mounted                         | P           | Uncovered parking areas and drives -                        | 5                        | 96                                       |                        | 480  |
| Wall-mounted                             | WL-2, WL-2E | Building grounds - Walkways < 10 feet wide                  | 7                        | 47                                       |                        | 329  |
| Wall-mounted                             | WL-1E, WL-1 | Building entrances and exits - Pedestrian entrances & exits | 9                        | 17                                       |                        | 153  |
| <b>Proposed Total LPD</b>                |             |   |                          |  |                        | <b>962</b>                                     |