

| Project Information                              |                  |
|--|------------------|
| Project Address _____                            | BPA Number _____ |
| Coordinating NECB Design Professional Name _____ |                  |

**Trade-off compliance requires this report to be filled out for the Parts where trade-off compliance is used. Submit the Prescriptive Report if Prescriptive compliance is used for other Parts of the NECB.**

**Part 3 – Building Envelope** \*Not applicable to additions or semi-heated buildings as per Sentence 3.3.1.1.(2)

| General   | Proposed                                  | NECB Limit                                      |  |
|---|---|---|--|
| Gross wall area (m <sup>2</sup> )                         |   | N/A   |  |
| Total window area (m <sup>2</sup> )                       |   | N/A   |  |
| Total exterior door area (m <sup>2</sup> )                |   | N/A   |  |
| Gross roof area (m <sup>2</sup> )                         |   | N/A   |  |
| Total skylight area (m <sup>2</sup> )                     |   | N/A   |  |
| Exposed floor areas (m <sup>2</sup> )                     |   | N/A   |  |
|   |   | HDD @ 18°                                       | HDD @ 15°  |
| Overall Thermal Transmittance – U (W/(m <sup>2</sup> ·K)) | FDWR (%)                                  | N/A   | N/A  |
| Opaque walls (above ground)                               |   | N/A   | N/A  |
| Opaque walls (in contact with ground)                     |   | ≤ 0.284   | ≤ 0.379  |
| Roofs (above ground)                                      |   | N/A   | N/A  |
| Roofs (in contact with ground)                            |   | ≤ 0.284   | ≤ 0.379  |
| Floors (above ground)                                     |   | N/A   | N/A  |
| Air Leakage (L/(s·m <sup>2</sup> ))                       | Floors (in contact with ground)           | ≤ 0.757<br>for 1.2 m                            | ≤ 0.757<br>for 1.2 m                             |
|   | Fixed fenestration and curtain walls      | ≤ 0.20  |  |
|   | Operable windows, skylights, and doors    | ≤ 0.5   |  |
|   | Operable revolving and auto sliding doors | ≤ 5   |  |
|   |   | <b>Proposed (U<sub>ip</sub>*A<sub>ip</sub>)</b> | <b>Reference (U<sub>ir</sub>*A<sub>ir</sub>)</b> |
|   | Vertical (above ground portions)          |   |  |
|   | Horizontal (above ground portions)        |   |  |

| Compliance Confirmation   |  |
|---|--|
| U <sub>ip</sub> A <sub>ip</sub> is less than or equal to U <sub>ir</sub> A <sub>ir</sub> in conformance with NECB Article 3.3.1.2 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Effective thermal transmittance including the effects of thermal bridging has been calculated as per Article 3.1.1.7              | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Have you supplied the calculations determining the above values   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

|  |  |   |  |
|--|--|---|--|
| <b>Part 4 – Lighting</b>   |  |   |  |
| <b>Exterior Lighting Power:</b> (all values below to be in Watts)  |  |   |  |
| Specific Lighting Allowance _____<br>(Table 4.2.3.1-C) (If multiple specific applications used in design, provide a table showing all) | + Portion of Basic Site Allowance _____ =  | Specific Total Exterior Allowance _____                       | ≥ Specific Installed Lighting _____            |
| Sum of General Lighting Allowances _____<br>(Table 4.2.3.1-D)  | + Remaining Basic Allowance _____ =  | General Total Exterior Allowance _____                        | ≥ General Installed Lighting _____             |
|  | Basic Site Allowance _____<br>(Table 4.2.3.1-B)<br>(Sum of the portions of basic site allowance above are not to exceed this amount) |   | <b>Total Exterior Lighting Installed _____</b> |
| <b>Interior Lighting Power:</b>  |  | IILE - Installed Interior Light Energy (kW·h/a) (Proposed)    |  |
|  |  | ILEA -Interior Lighting Energy Allowance (kW·h/a) (Reference) |  |
| Interior lighting controls are designed in accordance with Subsection 4.2.2.   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |
| Exterior lighting controls are designed in accordance with Subsection 4.2.4.   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |
| Interior and exterior Installed Lighting Power displayed in table format on the drawings   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |
| Interior and exterior lighting controls provided in table format on the drawings   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |
| <b>Compliance Confirmation</b>   |  |   |  |
| IILE is less than or equal to ILEA in conformance with NECB Article 4.3.1.3.   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |
| Have you supplied the calculations determining the above values  |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      |  |

|   |  |  |  |
|---|--|--|--|
| <b>Part 5 – Heating, Ventilating and Air-Conditioning Systems</b>               |  |  |  |
|   |  | Overall HVAC <sub>TOI</sub>                              |  |
| <b>Compliance Confirmation</b>  |  |  |  |
| HVACTOI is greater than or equal to 0 in conformance with NECB Article 5.3.1.3. |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |
| Have you supplied the calculations determining the above values                 |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |

|   |  |  |  |
|---|--|--|--|
| <b>Part 6 – Service Water Systems</b>   |  |  |  |
|   |  | Overall SWH <sub>TOI</sub>                               |  |
| <b>Compliance Confirmation</b>  |  |  |  |
| SWH-TOI is greater than or equal to 0 in conformance with NECB Article 6.3.1.3. |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |
| Have you supplied the calculations determining the above values                 |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |

|   |  |  |  |
|---|--|--|--|
| <b>Compliance Confirmation</b>  |  |  |  |
| Building energy trade-off compliance meets NECB 2017                  |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |
| Drawings submitted are in conformance with NECB Drawings Requirements |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |  |

|   |  |       |  |
|---|--|-------|--|
| <b>Declaration</b>  |  |       |  |
| Signature of Coordinating NECB Design Professional who has completed this form: |  |       |  |
| _____   |  | _____ |  |
| Signature   |  | Date  |  |