CHESTERMERE

Recommended Minimum Prescriptive Reference Table

Table 1: Minimum Articles Required to demonstrate Compliance with NECB

NECB Reference	Article Title/Component	Submissions	Submission Notes
3.2.1.4.	Maximum FDWR allowed - Refer to 3.1.1.6. for calculation requirements	Entered on NECB Project Summary Sheet	FDWR entered on project summary sheet, calculation table should be available on request
3.2.2.2.	Overall Thermal Transmittance, Above-ground Opaque Building Assemblies	Effective U-value Included in assembly descriptions/wall sections	Calculations should be available on request. If software was used, output sheets may be submitted
3.2.2.3. + 3.2.2.4.	Overall Thermal Transmittance of Fenestration and Doors	Included in window schedules or specifications. NOTE: Framing type and spacing must be included in effective thermal transmittance calculation	Calculations should be available on request. If software was used, output sheets may be submitted
3.2.3.1. + 3.2.3.2. + 3.2.3.3.	Overall Thermal Transmittance of Building Assemblies in Contact with the Ground	Effective U-value Included in assembly descriptions/wall sections	Calculations should be available on request. If software was used, output sheets may be submitted
3.2.4.1.	Air Leakage - General	Building envelope shall be designed with a continuous air barrier system	Indicated on wall sections, details, and/or specifications
4.2.1.4.	Determination of Installed Interior Lighting Power	Refer to notes below	See below
4.2.1.5./4.2.1.6.	Calculation of the above using building area OR space-by-space methodology	Designer to indicate calculation methodology (Building Area Method or Space-by-Space Method to be indicated) and summary table of calculated wattages/Lighting Power Density	Table indicating number of fixtures and wattages along with total Lighting Power to be included in drawings.
4.2.2.2.	Lighting Controls in Enclosed Spaces	Lighting controls (including type of sensor/control) to be indicated on construction documents	Lighting controls to be indicated on drawings, including type of sensor, complete with legend
4.2.2.8.	Automatic Daylighting Controls for Primary Side lighted Areas	Applicant to indicate areas employing required daylight sensors on construction documents	Lighting controls to be indicated on drawings, including type of sensor, complete with legend
4.2.3.1.	Exterior Lighting	Lighting schedules to indicate exterior lighting wattages. Refer to Table 4.2.3.1.D. for compliance values	Table indicating number of fixtures and wattages along with total Lighting Power to be included in drawings
4.2.4.1.	Exterior Lighting Controls	Applicant to indicate required controls for exterior lighting on construction documents	Lighting controls to be indicated on drawings, including type of sensor, complete with legend
5.2.2.5.	Duct and Plenum Insulation	Pipe Schedules or specs to conform to Table 5.2.2.5.	Insulation schedule to be indicated on duct and plenum insulation values. Ducts not requiring insulation to be indicated on drawings
5.2.2.7.	Cooling with Outdoor Air	Outlines requirements for air or water economizer	Economizer to be indicated on drawings. If not required, notes indicating why to be provided on drawings
5.2.4.1.	Required Dampers	Designer to indicate location of required dampers	Dampers to be indicated on drawings
5.2.5.3.	Piping Insulation	Pipe Schedules or specs to conform to Table 5.2.5.3.	Insulation schedule to be included indicating piping insulation values
5.2.12.1.	Equipment Efficiency	All mechanical components used in the proposed design to have associated performance efficiencies indicated on mechanical schedule. Refer to Table 5.2.12.1. for component efficiency values	Mechanical component efficiency (individual components to be identified in mechanical equipment schedule found on drawings)
6.2.2.1.	Equipment Efficiency	Mechanical components used in the proposed design to have associated performance efficiencies indicated on mechanical schedule. Refer to Table 6.2.2.1. for efficiency values	Service water heating to be identified in mechanical equipment schedule found on drawings
6.2.3.1.	Insulation	Pipe Schedules or specs to conform to Table 6.2.3.1.	Insulation schedule to be included indicating piping insulation values.
7.2.1.1.	Monitoring	Drawing notes	For applicable systems (i.e. > 250 kVA), monitoring installation to be described and indicated on drawings

NOTE: While the above list is a common list of information required to demonstrate prescriptive compliance with the NECB, it is also required to complete Trade-Off or Performance Compliance Modeling submissions as well.