

KEY MN ENERGY CODE REQUIREMENTS SUMMARY TABLE

Commercial Energy Code Support Program Measures (with Code References)

| | REQUIREMENTS | STATUS | | | REQUIREMENTS | STATUS | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|--------|
| | | IECC | ASHRAE | | | IECC | ASHRAE |
| ENVELOPE REQUIREMENTS | Roof Insulation R Value IECC: C402.2.1; ASHRAE: 5.5.3.1 (5.8.1) | | | MECHANICAL SYSTEM REQUIREMENTS | Economizer IECC: C403.3.1; ASHRAE:6.5.1 | | |
| | Above Grade Wall Insulation IECC: C402.2.3; ASHRAE: 5.5.3.2 (5.8.1) | | | | Demand Controlled Ventilation IECC: C403.2.5.1; ASHRAE: 6.4.3.9 | | |
| | Window U value IECC : Table C402.3, Sec:C402.3.3 & C402.3.4, (C303.1.3) ASHRAE: Table 5.5-6, Sections 5.5.4.3, (5.8.2) | | | | Energy Recovery Ventilation IECC: C403.2.6; ASHRAE 6.5.6.1 | | |
| | Window Area & Orientation IECC: C402.3.1; ASHRAE: 5.5.4.2.1&5.5.4.5 | | | | Boiler & Chiller System Control IECC: C403.4.3.4; ASHRAE: 6.5.4.3 | | |
| | Slab Edge Insulation IECC: C402.2.6; ASHRAE: 5.5.3.5 | | | | Variable Flow Pump Control IECC: C403.4.3.4; ASHRAE: 6.5.4.1 & 6.5.4.4.2 | | |
| ELECTRICAL REQUIREMENTS | Automatic Lighting Shutoff IECC: C405.2.2.2 & C405.2.2.1; ASHRAE: 9.4.1 .1 & 9.4.1.2 | | | | Duct Sealing IECC: C403.2.7; ASHRAE: 6.4.4.2.1 | | |
| | Daylight Zone Control IECC: C405.2.2.3.1, C405.2.2.3.2 & C202; ASHRAE: 9.4.1.4, 9.4.1.5 & 3.2 | | | | Piping Size ASHRAE: 6.5.4.5 | | |
| | Multilevel Lighting Control IECC: C405.2.1.2; ASHRAE: 9.4.1.2a & 9.4.1.6g | | | | Supply Air Temperature Reset IECC: C403.4.5.4; ASHRAE: 6.5.3.4 | | |
| | Interior Lighting Power Density IECC: C405.5; ASHRAE: 9.5 or 9.6 | | | | Fan Motor Sizing vs bhp IECC: C403.2.10.2 & C403.2.10); ASHRAE: 6.5.3.1.2 & 6.5.3 | | |
| | Conductor Sizing IECC: C405.8; ASHRAE: 8.4.1 | | | | Pool Cover IECC: C404.7.3; ASHRAE: 7.4.5.2 | | |
| | Automatic Outlet Shutoff IECC: no requirement; ASHRAE: 8.4.2 | | | Low Leakage Intake and Exhaust Dampers IECC: C402.4.5.2 & C403.2.4.4; ASHRAE:6.4.3.4.2 & 6.4.3.4.3 | | | |
| | Lighting System Functional Testing IECC: C408.3; ASHRAE: 9.4.4 | | | HVAC Commissioning IECC: C408.2; ASHRAE: 6.7.2.2, 6.7.2.3 & 6.7.2.4 | | | |
| | | | | Additional Energy Efficiency Package (3 Options) IECC: C406.1 - C406.4; ASHRAE: no requirement | | | |

Status Legend:

- Code requirement met
- Not enough information to determine/ensure
- Code requirement not met
- Not required for this project
- No requirement

Lighting Control Room Schedule | Documentation Best Practice Example

| Room Name/No. | Room Type | Daylighting Controls (Y/N) | Automatic Off Controls (OS, Timer) | Multi-Tier Control Type (Dim, DS, other) | Description |
|---------------|-----------|----------------------------|------------------------------------|------------------------------------------|-------------|
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**Completed in addition to a lighting schedule & legend.*

Abbreviations

OS - Occupancy Sensor

Timer - Light controlled by timed

Dim - Dimmer switch

DS - Dual switch, at least 30% of fixtures in a room are controlled by a 2nd light switch