



City of Rowlett

Commercial Energy Compliance Path

Submit with application for a building permit

Building Inspections New Construction, Additions and 1st Time Finish Outs Submitted

Project Address: _____

Commercial Buildings Compliance Path (one of the following):

Option #1a - ASHRAE 90.1 (2013) Prescriptive: Section 5 through Section 10 (May use COMcheck™ to demonstrate compliance)

- | | |
|-----------------------------------|------------------------------|
| Section 5 – Building Envelope | Section 8 – Power |
| Section 6 – HVAC | Section 9 – Lighting |
| Section 7 – Service Water Heating | Section 10 – Other Equipment |

Option #1b - ASHRAE 90.1 (2013) Section 11 Energy Cost Budget Method: Section 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4; design energy cost (Section 11.5) ≤ energy cost budget (Section 11.4); and energy efficiency level of components specified meet or exceed energy efficiency levels used to calculate energy costs

Option #2 - IECC Prescriptive: C402 through C405, plus C406 or C406.1.1 (May use COMcheck™ to demonstrate compliance)

- | | |
|---|--|
| C402 – Building Envelope Requirements | C404 – Service Water Heating (Mandatory) |
| C403 – Building Mechanical Systems | C405 – Electrical Power and Lighting Systems |
| C406 – Additional efficiency package options (must choose one): | |
| C406.2 - More efficient HVAC performance | C406.5 - On-site supply of renewable energy |
| C406.3 - Reduced lighting power density | C406.6 - Provisions of a dedicated OA system per |
| C406.4 - Enhance lighting controls | C406.7 - High-efficiency service water heating |
| C406.1.1 – Tenant Spaces: | |
| First time IFO must choose one in C406 except for Renewable energy; or, | If entire building is compliant then must comply with C406.5 |

Option #3 – Total Building Performance: C402.5, C403.2, C404, C405.2, C405.3, C405.4, C405.6 and C407; building energy cost ≤ 85% of standard reference design.

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|--|--|
| C402.5 – Air Leakage-thermal envelope (Mandatory) | C405.3 – Exit signs (Mandatory) |
| C403.2 – Provisions applicable to all mechanical systems (Mandatory) | C405.4 – Interior lighting and power requirements (Prescriptive) |
| C404 – Service Water Heating (Mandatory) | C405.6 – Electrical energy consumption (Mandatory) |
| C405.2 – Lighting Controls (Mandatory) | C407 – Total building performance |

NOTE: Mechanical cooling systems over 480,000 Btuh and service water-heating/space-heating systems over 600,000 Btuh (combined capacity); and, controls for automatic lighting systems require certain information on construction documents and system commissioning and reports in accordance with section C408.

I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; economizer description; equipment and system controls; fan motor HP and controls; duct sealing, duct and piping insulation and location; lighting fixture schedule with wattage and control narrative; location of daylight zones on floor plans; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.

Printed Name of Energy Inspector (As listed by the Certifying Agency)

Telephone

Type of Certification

Certifying Agency

Signature of Inspector

Date:

Effective June 18, 2019