



**Planning, Development & Transportation Services
Community Development & Neighborhood Services**

2018 COMMERCIAL ENERGY CODE COMPLIANCE FORM

FORM 2 - Use this form for all commercial buildings including residential buildings 4 stories or more.

Permit Number:	Address:
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DIRECTIONS: Place a check (✓) next to energy compliance path chosen. A passing Air tightness test is required showing total building leakage less than 0.25 cfm/sq ft at 75 Pascals pressure.

(A) PRESCRIPTIVE compliance, 2018 IECC, section C402.2, climate zone 5.		
BUILDING ENVELOPE	INSULATION R-VALUE	ELECTRICALLY HEATED R-VALUE
Roof insulation in attic	R-38	R-49
Insulation entirely above roof deck	R-30	R-30
Metal building roof	R-19+R-11 Liner System	R-19+R-11 Liner System
Wood frame wall insul R-Value	R-13+R-3.8ci* or R-20	R-13+7.5ci*
Metal frame wall insul R-Value	R-13+R-7.5ci*	R-13+10ci*
Mass wall (concrete, cmu)	R-11.4ci*	R-15ci*
Wood floor (over unconditioned space)	R-30	R-38
Crawl space wall	R-10 FULL DEPTH	R-10 FULL DEPTH
Slab on grade floor - Unheated slab (insulation must extend to top of slab)	R-10, 24" DEEP	R-10, 24" DEEP
Slab on grade floor - Heated slab (insulation must extend to top of slab)	R-15, 36" DEEP+R-5 Below FULL SLAB	R-15, 36" DEEP+R-5 Below FULL SLAB
Walls below grade	R-10 FULL DEPTH	R-10ci*
Windows	U-0.38	U-0.25 (non-metal)

*ci denotes Continuous Insulation (ie: insulation such as rigid foam board that's not broken by framing cavity)

(B) Component Performance Alternative (COMcheck), 2018 IECC, C402.1.5
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Submit a passing UA calculation (i.e. COMcheck). The report must be submitted at time of application and must include address and name of Designer/Contractor. **Note:** It's the responsibility of the party using COMcheck to use the most current version of the software. COMcheck-Web is permitted.

(C) PERFORMANCE-BASED COMPLIANCE, 2018 IECC, C407.3
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An energy model must be submitted showing the proposed building has an annual energy cost that is less than or equal to the annual energy cost of the standard reference design. The report must include address, inspection checklist, name of modeling agent and name and version of software.

(D) ANSI/ASHRAE/IESNA 90.1 Alternate, 2018 IECC, SECTION 401.2

ASHRAE 90.1 contains a prescriptive and performance path method of energy compliance. Plans must show prescriptive compliance or provide documentation of performance path.

Contractor or Applicant: _____ Date: ___/___/___

Signature: _____ Phone:(____) _____