

Commercial Energy Code Review Sheet

Plan Submittal Requirements:

All commercial projects shall include a COMcheck* compliance report demonstrating compliance with the 2009 International Energy Conservation Code or ASHRAE 90.1 (2007).

The permit submittal must include the software report, including building plans and specifications, demonstrating compliance with the energy requirements for the building envelope, mechanical, electrical and plumbing systems.

The proposed building component areas on the plans shall agree with the areas listed on the compliance report. The plans shall include the following building component areas:

- Insulation and sheathing R-values
- Window and door U-factors
- Heating and cooling equipment efficiency rating
- HVAC piping location and duct insulation levels
- Electrical systems

* COMcheck software application can be downloaded at www.energycodes.gov at no cost.

Inspection Requirements:

Two new inspection types will be required for all projects requiring energy compliance submittal:

1) BI Insulation:

- Rough openings for windows, doors and skylights shall comply with the approved plans
- Openings and joints in the building envelope must be caulked or sealed with appropriate sealants (such as caulking or foam) to ensure there is a continuous seal (no daylight is showing). Penetrations should be sealed on both the inside and outside when sidings or veneers are used. Caulking and weather-stripping must be installed in accordance with the manufacturer's installation instructions.
- Wall and ceiling insulation shall have R-values equal to or greater than the R-values indicated on the approved plans.

2) BI Final Energy:

- Glazing and door assemblies labels must remain on windows for inspection (U-factors are equal to or less than the U-factors indicated on the approved plans)
- If high-efficiency heating or cooling equipment is claimed, the equipment shall meet the efficiency rating indicated on the approved plans
- Each heating and cooling systems must have a thermostat capable of manually or automatically reducing temperature
- All doors between conditioned and unconditioned spaces shall have weather-stripping. Weather-stripping must be installed around attic and crawlspace access panels.

HVAC duct and plumbing insulation and electrical requirements will be inspected at the applicable rough inspection.

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Building Inspections Department ~ 1520 Ave K, Suite 140 Plano, TX 75074 ~ 972-941-7140 fax 972-941-7187
www.buildinginspections.org
FM624CG020 REV. 05/10/11