



Commercial—Additional Energy Efficiency Supplemental Form - Inspections

Complete and submit this supplemental form to the inspector **prior to final inspection** for verification of Energy Compliance Credit.

Permit Application Information

Provide the full address of property, the Permit Application Number, and the name of the Owner/Applicant.

A

Property Address: _____

Permit Application Number: _____

Property Owner Name: _____

Applicant Name: _____

Energy Monitoring Credit

Complete this section to obtain credit for energy monitoring in accordance with Section C406.10.

B

Energy Monitoring

Where credit is selected, building owner or building owner's representative shall verify that the following requirements for Energy Monitoring Systems (Section C406.10):

- Proposed development does NOT exceed 25,000 SF in area.
- Energy Monitoring Compliance Checklist form (V_006_CHK)** - Completed and submitted prior to Final Inspection.

Reduced Air Infiltration Credit

Complete this section to obtain credit for reduced air infiltration in accordance with Section C406.9.

C

Reduced Air Infiltration

Where credit is selected, building owner or building owner's representative shall ensure that the following requirements for Reduced Air Infiltration (Section C406.9) through Building Thermal Envelope Air Leakage Testing:

- Commercial Thermal Envelope Air Leakage Testing Form (P_044_F)** - completed and submitted prior to Final Inspection identifying maximum air infiltration rate testing results NOT to exceed 0.25 cfm/SF.
- Supporting documentation for **Building Thermal Envelope Testing Reports** provided to the code official and building owner to demonstrate compliance with provisions of Section C406.9. Testing has been completed by an approved testing agency, and was conducted in accordance with ASTM E779, ANSI/RESNET/ICC 380, ASTM E3158, ASTM E1827, or other method approved by the code official.
- The tested building thermal envelope complies with the **maximum air infiltration rate of 0.25 cfm/SF** under a pressure differential of 0.3-inches water column (75 Pa), with the calculated surface area being the sum of the above- and below-grade building envelope.

Enhanced Digital Lighting Controls Credit

Complete this section to obtain credit for enhanced digital lighting controls in accordance with Section C406.4.

D

Enhanced Digital Lighting Controls

Where credit is selected, building owner or building owner's representative shall verify that the following enhanced lighting controls are located, scheduled and operated in accordance with Section C405.2.1 through C405.2.3.

- Luminaire installations comply with enhanced digital lighting control requirements under Section C405.2 as follows:
 - Luminaires are configured for continuous dimming.
 - Luminaires are addressed individually. [*Where individual addressability is not available for the luminaire class type, a controlled group of not more than four luminaires shall be allowed.*]
 - Not more than eight luminaires are controlled together in a daylight zone.
 - Fixtures are controlled through a digital control system that includes the following function:
 - Control reconfiguration based on digital addressability
 - Load shedding
 - Occupancy sensors capable of being reconfigured through the digital control system
 - **Construction documents** are attached with this form, to include submittal of a **Sequence of Operations**, including a specification outlining each of the functions in Item 4.
 - Functional testing of lighting controls shall comply with Section C408



Fault Detection & Diagnostic System Credit

Complete this section to obtain credit for fault detection and diagnostic system in accordance with Section C406.11.

Fault Detection & Diagnostic System

Where credit is selected, property owner or owner's representative shall verify that a fault detection and diagnostic system has been installed to monitor HVAC systems and shall affirm that system has been configured for the following capabilities in accordance with Section C406.11:

- | | |
|--------------------------|---|
| <input type="checkbox"/> | Sensors and devices have been permanently installed to monitor the performance of HVAC systems. |
| <input type="checkbox"/> | System monitoring is capable and configured to sample HVAC system performance at least once every 15 minutes. |
| <input type="checkbox"/> | System monitoring capable and configured to identify and report HVAC system faults. |
| <input type="checkbox"/> | Monitoring system capable and configured to notify authorized personnel of identified HVAC system faults. |
| <input type="checkbox"/> | Monitoring system configured to automatically provide prioritized recommendations for repair of identified faults. (<i>Repair prioritization is configured based on the analysis of data collected from sampling of the HVAC system performance.</i>) |
| <input type="checkbox"/> | Monitoring system is capable of transmitting the prioritized fault repair recommendations to remotely located authorized personnel. |

E

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Declaration & Signature

I hereby certify that the information contained herein are true and correct to the best of my knowledge and belief.

Building Owners / Representative's Name (Print): _____

Building Owners / Representatives' Signature: _____ Date: _____