



# LEED 2009 for Core & Shell Development

## IEQ CREDIT 6: CONTROLLABILITY OF SYSTEMS

### THERMAL COMFORT

All fields and uploads are required unless otherwise noted.

#### ALL OPTIONS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

Compliance with the credit requirements must be documented for the entire Core & Shell project building and associated grounds, including tenant occupied spaces, from which anticipated tenant work may also be documented.

Select one of the following:

- ☐ **In Scope:** The project team does not anticipate any future tenant work that would impact the ability for the Core & Shell project to meet the requirements of this credit.
- ☐ **Tenant Sales and/or Lease Agreement:** The Core & Shell project scope is limited such that submittal documentation be based (either in whole or in part) on anticipated tenant work beyond the Core & Shell project scope.

#### IN SCOPE

Complete the following documentation sections using data for the entire project building, including tenant occupied spaces. Data shall be based entirely on design and construction elements that are included in the Core & Shell project scope. No data entered below shall be based on anticipated tenant work.

#### TENANT SALES AND/OR LEASE AGREEMENT

- ☐ The tenant sales and/or lease agreement contains binding language specifying the minimum individual and multi-occupant space thermal comfort control performance criteria, such that spaces within the scope of anticipated tenant work shall comply with the requirements of IEQ Credit 5 when completed.

**Upload L-6.** Provide the legally binding document (lease, sales agreement, tenant construction requirements, etc.) associated with the project, signed by both the developer and the tenant, explicitly stating the performance requirements for the tenant work.

Page/Reference number(s) of language relating to declaration(s) above:

Complete the following documentation section assuming all tenant work has been completed and conforms to the requirements of the sales and/or lease agreements. For required uploads, provide all available documentation pertaining to the Core & Shell project scope and anticipated tenant work.

Select one of the following:

- ☐ Mechanical systems and/or operable windows are purchased and/or installed as a part of the core and shell project scope.
- ☐ Mechanical systems and/or operable windows are not purchased and installed as a part of the core and shell project scope.

Note: Project is not eligible to achieve this credit.

*TIP: A general HVAC summary as well as a summary table listing usage type(s) for each regularly occupied space are required general submittals. Be sure to consider contextual overlaps when documenting compliance with IEQc6.*

Complete Table IEQc6-1. Individual Controls below for all spaces occupied by individual occupants. Spaces with identical occupancy types and thermal comfort controls may be grouped together for efficiency. Record the number of expected occupants on a floor-by-floor basis. You may refer to the Appendix 1, LEED Reference Guide for Building design and Construction for the default occupancy counts. State which systems serve each floor.

**Table IEQc6-1.** Individual Controls

Space ID	Individual Workspace Type	Thermal Comfort Control Type	Total No. of Spaces	Spaces provided with individual control
Total				
Percentage of Workstations provided with Controls(%)				
Individual Thermal Controls Compliance <i>Note: To qualify for the credit provide individual comfort controls for minimum of 50% of the building occupants.</i>				

☐ Project includes shared multi-occupant spaces. (Optional)

Complete Table IEQc6-2. Shared Multi Occupant Controls below for all shared multi-occupant spaces within the project building. Record the number of expected occupants on a floor-by-floor basis. You may refer to the Appendix 1, LEED Reference Guide for Building design and Construction for the default occupancy counts. State which systems serve each floor.

**Table IEQc6-2.** Shared Multi Occupant Controls

Space ID	Shared Multi-Occupant Space Type	Thermal Comfort Control Type and Description	Total No. of Spaces	No. of Spaces provided with Controls
Total				
Percentage of Shared Multi-Occupant spaces provided with Controls(%)				
Shared Multi-Occupant Spaces with Thermal Controls Compliance <i>Note: To qualify for the credit, provide comfort controls for 100% of the spaces.</i>				

A representative drawing/floorplan(s) that identifies thermal comfort controls declared in the Table above. Thermal Comfort Control is required to document compliance with IEQc6.2. The document below is a linked submittal (if no document is present, you may upload one now).

**Upload L-1.** Provide representative floorplans for the project building.

Select one of the following:

- ☐ The floor plan(s) above identify thermal comfort controls declared in Table. Thermal Comfort Control.
- ☐ A different document is better suited to satisfy this requirement.

**Upload IEQc6-1.** Upload a representative drawing/floor plan(s) that identifies thermal comfort controls declared in Table IEQc6-1 and Table IEQc6-2.

Select all that apply to the project building:

- ☐ The project building is mechanically ventilated, in part or in whole.
- ☐ The project building is naturally ventilated, in part or in whole.

**MECHANICAL VENTILATION**

Comfort controls offer a range of options to the user and do not function as simple on/off switches.

Signatory	
Initial here	

Comfort controls are operable by local occupant(s).

Signatory	
Initial here	

**NATURAL VENTILATION**

- ☐ All operable windows contributing to the requirements of this credit serve occupants that are 20 feet inside of and 10 feet to either side of the operable part of the windows. The areas of operable window meet the requirements of ASHRAE 62.1-2007 paragraph 5.1 Natural Ventilation.

**ADDITIONAL DETAILS**

- ☐ Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.

## SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

- ☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

## ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

**Upload IEQc6-ACP.** Provide any additional documents that support the alternative compliance path approach. (Optional)

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## SUMMARY

IEQ Credit 6: Controllability of Systems - Thermal Comfort  
Points Documented: