



# LEED Certification Review Report

This report contains the results of the technical review of an application for LEED® certification submitted for the specified project. LEED certification is an official recognition that a project complies with the requirements prescribed within the LEED rating systems as created and maintained by the U.S. Green Building Council® (USGBC®). The LEED certification program is administered by the Green Building Certification Institute (GBCI®).

## Nitsch Boston Offices

Project ID 1000024787  
Rating system & version LEED-CI v2009  
Project registration date 05/21/2012



### D and C Application Decision

CERTIFIED: 40-49, SILVER: 50-59, GOLD: 60-79, PLATINUM: 80+

## LEED FOR COMMERCIAL INTERIORS (V2009)

ATTEMPTED: 55, DENIED: 0, PENDING: 0, AWARDED: 60 OF 110 POINTS

SUSTAINABLE SITES 12 OF 21	
SSc1 Site Selection	0 / 5
SSc2 Development Density and Community Connectivity	6 / 6
SSc3.1Alternative Transportation-Public Transportation Access	6 / 6
SSc3.2Alternative Transportation-Bicycle Storage and Changing Rooms	0 / 2
SSc3.3Alternative Transportation-Parking Availability	0 / 2

WATER EFFICIENCY 0 OF 11	
WEp1 Water Use Reduction-20% Reduction	Y
WEc1 Water Use Reduction	0 / 11

ENERGY AND ATMOSPHERE 25 OF 37	
EAp1 Fundamental Commissioning of the Building Energy Systems	Y
EAp2 Minimum Energy Performance	Y
EAp3 Fundamental Refrigerant Mgmt	Y
EAc1.1Optimize Energy Performance-Lighting Power	5 / 5
EAc1.2Optimize Energy Performance-Lighting Controls	1 / 3
EAc1.3Optimize Energy Performance-HVAC	5 / 10
EAc1.4Optimize Energy Performance-Equipment and Appliances	4 / 4
EAc2 Enhanced Commissioning	5 / 5
EAc3 Measurement and Verification	0 / 5
EAc4 Green Power	5 / 5

MATERIALS AND RESOURCES 7 OF 14	
MRp1 Storage and Collection of Recyclables	Y
MRc1.1Tenant Space-Long-Term Commitment	1 / 1
MRc1.2Building Reuse	0 / 2
MRc2 Construction Waste Mgmt	2 / 2
MRc3.1Materials Reuse	0 / 2
MRc3.2Materials Reuse-Furniture and Furnishings	1 / 1
MRc4 Recycled Content	1 / 2
MRc5 Regional Materials	2 / 2
MRc6 Rapidly Renewable Materials	0 / 1
MRc7 Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY 7 OF 17	
IEQp1 Minimum IAQ Performance	Y
IEQp2 Environmental Tobacco Smoke (ETS) Control	Y
IEQc1 Outdoor Air Delivery Monitoring	0 / 1
IEQc2 Increased Ventilation	0 / 1
IEQc3.1Construction IAQ Mgmt Plan-During Construction	1 / 1
IEQc3.2Construction IAQ Mgmt Plan-Before Occupancy	0 / 1
IEQc4.1Low-Emitting Materials-Adhesives and Sealants	1 / 1
IEQc4.2Low-Emitting Materials-Paints and Coatings	1 / 1
IEQc4.3Low-Emitting Materials-Flooring Systems	1 / 1
IEQc4.4Low-Emitting Materials-Composite Wood and Agrifiber Products	1 / 1
IEQc4.5Low-Emitting Materials-Systems Furniture and Seating	0 / 1
IEQc5 Indoor Chemical and Pollutant Source Control	0 / 1
IEQc6.1Controllability of Systems-Lighting	0 / 1
IEQc6.2Controllability of Systems-Thermal Comfort	0 / 1
IEQc7.1Thermal Comfort-Design	1 / 1
IEQc7.2Thermal Comfort-Verification	1 / 1
IEQc8.1Daylight and Views-Daylight	0 / 2
IEQc8.2Daylight and Views-Views for Seated Spaces	0 / 1

INNOVATION IN DESIGN 6 OF 6	
IDc1.1 Innovation in Design	1 / 1
IDc1.2 Innovation in Design	1 / 1
IDc1.3 Innovation in Design	1 / 1
IDc1.4 Innovation in Design	1 / 1
IDc1.5 Innovation in Design	1 / 1
IDc2 LEED® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS 3 OF 4	
SSc3.2 Alternative Transportation-Bicycle Storage and Changing Rooms	0 / 1
WEc1 Water Use Reduction	0 / 1
EAc1.1 Optimize Energy Performance-Lighting Power	1 / 1
EAc1.3 Optimize Energy Performance-HVAC	1 / 1
MRc3.1 Materials Reuse	0 / 1
MRc5 Regional Materials	1 / 1

TOTAL 60 OF 110

# CREDIT DETAILS



## Project Information Forms

### Plf1: Minimum Program Requirements

Approved

#### 03/12/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted stating that the project complies with all Minimum Program Requirements. The form has been signed, as required. A copy of the Confirmation of Agents Authority Form has been provided. The project will comply with MPR 6: Must Commit to Sharing Whole-Building Energy and Water Usage Data, via Option 1. The project is located in Boston, Massachusetts.

However, the ENERGY STAR Portfolio Manager title (Nitsch Boston Offices, Building ID: 3359482) does not match the LEED-CI project name (Nitsch Boston Offices) as required.

#### TECHNICAL ADVICE:

Please revise the ENERGY STAR Portfolio Manager or LEED-CI project name as necessary to ensure consistency. If this is not possible, enter the LEED project name in the notes portion of the Portfolio Manager is registered property. Provide documentation, such as a screen shot, to demonstrate that this has been done.

#### 04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Project Information Form has been revised to address the issue outlined in the Preliminary Review comments and includes an ENERGY STAR Portfolio Manager title (Nitsch Boston Offices) that matches the LEED-CI project name. The documentation demonstrates compliance.

### Plf2: Project Summary Details

Approved

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the following project summary details. The project space occupies one story and 14,300 gross square feet in the ten story building. This is 6.05% of the total gross square feet of the building. The building was originally constructed in 1966 with 14,300 square feet currently undergoing renovation. It uses energy from natural gas and electricity and uses water from a municipal potable water system. The sewage is conveyed to a municipal sewer system. The total project budget is \$1,000,000.

#### 04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

### Plf3: Occupant and Usage Data

Approved

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the following occupant and usage data. The occupant is a profit organization and an occupant type that consists primarily of administrative/professional office spaces. The average users value is 86, the peak users value is 86, the FTE value is 78, and the tenant space is occupied 250 days per year. The space is intended to be owner-managed after project completion.

#### 04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

### Plf4: Schedule and Overview Documents

Approved

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the design and construction schedule, and the estimated date of occupancy is noted as January 2, 2013. The following required documents have been uploaded: interior renderings, floor plans, interior elevations, mechanical schedules, and mechanical drawings. Additionally, the basis of design (for the building systems narrative) and the owners project requirements (for the project narrative) have been provided.

#### 04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

**Plf5: Previously LEED Certified Details**

**Approved**

**03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Project Information Form has been submitted stating that the building or portions of the building that the project is located in has not been LEED certified.

**04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW**

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.



## Sustainable Sites

### SSc1: Site Selection

POSSIBLE POINTS: 5

Not Attempted

### SSc2: Development Density and Community Connectivity

POSSIBLE POINTS: 6

ATTEMPTED: 6, DENIED: 0, PENDING: 0, AWARDED: 6

Awarded: 6

#### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project site is located within one-half-mile of a minimum of ten basic community services and a minimum of one residential district (with a minimum density of ten units per acre) and therefore applies Option 2. A scaled area plan showing the one-half-mile radius and the locations of the basic services has been provided. Additionally, a residential zoning plan has been provided.

### SSc3.1: Alternative Transportation-Public Transportation Access

POSSIBLE POINTS: 6

ATTEMPTED: 6, DENIED: 0, PENDING: 0, AWARDED: 6

Awarded: 6

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project is served by two rail lines within one-half-mile walking distance of the project site. A scaled drawing showing the location of the transit stops and the pedestrian route has been provided. Additionally, transit maps and schedules have been provided.

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The LEED Credit Form indicates that the project is pursuing the Exemplary Performance option for this credit and that the project reserves one point within the Innovation and Design Credit category for this strategy.

### SSc3.2: Alternative Transportation-Bicycle Storage and Changing Rooms

POSSIBLE POINTS: 2

Not Attempted

### SSc3.3: Alternative Transportation-Parking Availability

POSSIBLE POINTS: 2

Not Attempted



## Water Efficiency

### WEp1: Water Use Reduction-20%Reduction

**Awarded**

03/12/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Prerequisite Form has been provided stating that the project occupants will utilize fixtures both within and outside of the LEED-CI Project Boundary. Potable water usage in the LEED-CI space has been reduced by 77.26% from the calculated baseline design. A reduction of 20% is required. The fixtures located outside of the LEED-CI Project Boundary have been excluded from the calculations and the project is therefore ineligible for WEc1. A plumbing fixture cut sheet which includes all fixtures utilized by the LEED-CI occupants (within the LEED-CI Project Boundary) has been provided. Additionally, usage calculations have been provided.

Please note the following two issues:

1. The cut sheet for the kitchen sink indicates a flow rate of 1.5 GPM, which differs from the 0.5 GPM included on the form. When this issue is addressed and the form is recalculated, the project has demonstrated a reduction in potable water use of 31.87%. Prerequisite compliance is not affected.
2. The kitchen sink usage calculations provided indicate a 60 second duration per FTE per day. The form correctly lists the kitchen sink usage as 15 seconds duration per FTE per day.

### WEc1: Water Use Reduction

POSSIBLE POINTS: 11

**Not Attempted**



## Energy and Atmosphere

### EAp1: Fundamental Commissioning of the Building Energy Systems

Awarded

#### 03/12/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the fundamental commissioning requirements for the project energy-related systems have been completed. The required commissioning authority experience of the project team Commissioning Agent has been provided, and the documentation confirms that the Owner Project requirements (OPR) and Basis of Design (BOD) are consistent with the final construction documentation and completed project. The project Owner and project team Commissioning Agent have signed the form as required. The commissioning report which includes a list of the systems commissioned, a summary of issues corrected, and a list of any major outstanding/unresolved issues has been provided. Additionally, a form narrative and owner project requirements have been provided.

### EAp2: Minimum Energy Performance

Awarded

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project complies with ASHRAE/IESNA 90.1-2007. The form indicates a 35.08% reduction in connected lighting power density from that allowed by ASHRAE 90.1-2007, using the whole building method. A reduction of at least 10% is required. The form states that ENERGY STAR-rated equipment and appliances equal to 95.25%, by rated power, have been installed on the project. A minimum of 50% rated power is required. The project team Architect and project team HVAC Engineer have signed the form as required. The ASHRAE 90.1-2007 Users Manual Lighting Compliance Documentation has been provided.

However, two issues are pending:

1. The ballast power consumption for the fluorescent fixtures does not appear to have been included in the reported fixture wattage as required.
2. Fixture LTF is described as having one 71 watt LED, but only 35 watts per fixture are being used in the calculations.

TECHNICAL ADVICE:

1. Please recalculate the Lighting Power Density including the ballast power consumption.
2. Revise the calculations for fixture LTF to include the total input power of the fixture. Provide a narrative and supporting documentation such as cut sheets if the fixture wattage differs from the described 71 watts.

#### 04/08/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Prerequisite Form has been revised to address the issues outlined in the Preliminary Review comments and states the project has achieved a 35.83% reduction in connected lighting power density from that allowed by ASHRAE 90.1-2007, using the whole building method. A narrative and revised ASHRAE 90.1-2007 Users Manual Lighting Compliance Documentation have been provided. The documentation demonstrates prerequisite compliance.

### EAp3: Fundamental Refrigerant Management

Awarded

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the LEED-CI project scope of work includes the installation of new HVAC systems. The table indicates that there are no CFC-based refrigerants in the new systems.

### EAc1.1: Optimize Energy Performance-Lighting Power

Awarded: 5

POSSIBLE POINTS: 5

ATTEMPTED: 5, DENIED: 0, PENDING: 0, AWARDED: 5

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has achieved a 35.08% reduction in connected lighting power density from that allowed by ASHRAE 90.1-2007, using the whole building method. A reduction of at least 15% is required.

However, EAp2: Minimum Energy Performance has been denied pending clarifications.

TECHNICAL ADVICE:

Please see the comments within EAp2 and resubmit this credit.

#### 04/09/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

Revised LEED Credit Form has been provided stating that the project has achieved a 35.83% reduction in connected lighting power density from that allowed by ASHRAE 90.1-2007, using the whole building method. The issues in EAp2: Minimum Energy Performance have been addressed and the prerequisite has been achieved. The documentation demonstrates credit compliance.

#### **EAc1.2: Optimize Energy Performance-Lighting Controls**      **Awarded: 1**

POSSIBLE POINTS: 3

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that occupancy sensors have been installed for 94.36% of the project connected lighting load. Sensors must be installed for a minimum of 75% of the connected lighting load. The lighting controls table and the floor plan of lighting control zones have been provided. Additionally, a fixture schedule has been provided.

However, two issues are pending:

1. EAp2 Minimum Energy Performance has been denied pending clarifications for the lighting power density reduction.
2. Based on the abbreviated lighting control nomenclature shown on the lighting plan, it is unclear whether occupancy sensors have been provided for all spaces reported in the lighting controls table.

TECHNICAL ADVICE:

1. Please see the comments within EAp2 and resubmit this credit.
2. Provide a project drawing or equivalent showing a list of the lighting control symbols used in the lighting plan.

#### 04/09/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

Revised LEED Credit Form has been provided stating that occupancy sensors have been installed for 95.46% of the project connected lighting load. A narrative has been provided to address the second issue outlined in the Preliminary Review comments and includes a description of the lighting control nomenclature. Additionally, a lighting plan has been provided. The issues in EAp2: Minimum Energy Performance have been addressed and the prerequisite has been achieved. The documentation demonstrates credit compliance.

#### **EAc1.3: Optimize Energy Performance-HVAC**      **Awarded: 5**

POSSIBLE POINTS: 10

ATTEMPTED: 5, DENIED: 0, PENDING: 0, AWARDED: 5

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has documented the Equipment Efficiency and therefore applies Option 1. The HVAC systems comply with the efficiency requirements outlined in the Advanced Buildings Core Performance Guide Sections 1.4, 2.9, and 3.10. Simulated load and equipment schedules have been provided. The project team HVAC Engineer has signed the form as required. A summary of mechanical system design calculations has been provided and include load, fan-sizing, zone-by-zone load, critical path supply duct pressure loss, and the part-load conditions calculations.

However, the documentation provided does not clarify which HVAC systems and/or equipment is within the LEED-CI project scope of work, and which systems and/or equipment is within the base building scope. The HVAC drawings and information provided in EAp1: Fundamental Commissioning indicates the project space is served by systems connected to existing air and water distribution systems such as AHU-1, 4-pipe fan coil units, and heat pump loop. It is unclear whether the project scope is adequate to apply the equipment efficiency criteria. Please note that the project scope must include a substantial portion of the total HVAC capacity serving the space in order for the project scope to be considered adequate to apply the criteria.

TECHNICAL ADVICE:

Please clarify which HVAC systems and/or equipment is within the LEED-CI project scope of work, and which systems or equipment is within the base building scope. Provide the HVAC equipment schedule summarizing the HVAC system serving the tenant space and the base building systems. Provide additional justification to show that the project scope is considered adequate to apply the criteria.

The project is eligible to earn the credit if the project scope of work includes one of the following:

1. Air handlers with Variable Speed Controls complying with the requirements of the Core Performance Guide Section 3.10 that supply at least 60% of the total supply air volume used within the project scope

OR

2. Mechanical equipment that complies with the prescriptive efficiency requirements of the Core Performance Guide Section 2.9, and provides at least 60% of the cooling or heating capacity for the project scope

Note that requiring 60% correlates to the LEED CI MPR 2 requirement that there must be tenant improvements made for 60% of the project scope in order to pursue a LEED for Commercial Interiors or LEED for Retail: CI rating.

OR

3. The project can comply with the requirements of the credit if the relevant criteria have been met for all HVAC systems serving the area within the project scope, whether or not the HVAC systems are installed as part of the tenant scope of work. If using this compliance option, please provide documentation which demonstrates that the relevant criteria from the Core Performance Guide has been met for all HVAC systems serving the project space, whether or not the HVAC systems are installed as part of the tenant scope of work. Provide information regarding the equipment capacities, equipment cooling and heating efficiencies and fan controls for all HVAC systems serving the area within the project scope, including the air handlers, and any mechanical cooling equipment or mechanical heating equipment used to condition the air supplied to the project space. In addition, provide a narrative describing the HVAC systems, all energy efficiency measures incorporated in the HVAC systems, and the anticipated energy savings resulting from these measures. The narrative should explain how the measures and anticipated energy savings meet the credit intent to achieve increasing levels of energy conservation beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. Note that this requires the HVAC equipment exceed the mandatory and prescriptive requirements of ASHRAE 90.1-2007.

#### 04/09/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Credit Form has been revised to address the issue outlined in the Preliminary Review comments and refers to a supplemental narrative. The supplemental narrative provides a description of the project mechanical HVAC systems and how the credit requirements are being met. The documentation demonstrates credit compliance.

#### **EAc1.4: Optimize Energy Performance- Equipment and Appliances**

**Awarded: 4**

POSSIBLE POINTS: 4

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 4

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has installed ENERGY STAR-rated equipment and appliances equal to 95.25%, by rated power. A minimum of 70%, by rated power, is required.

#### **EAc2: Enhanced Commissioning**

**Awarded: 5**

POSSIBLE POINTS: 5

ATTEMPTED: 5, DENIED: 0, PENDING: 0, AWARDED: 5

#### 03/12/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that enhanced commissioning has been implemented. The project team Commissioning Agent and Owner have signed the form as required. The form includes the completion dates for the comprehensive commissioning review tasks. The systems manual covering the commissioned systems and future operating information and the contract between the Owner and the Commissioning Agent ensuring post-construction commissioning activities have been provided.

#### **EAc3: Measurement and Verification**

**Not Attempted**

POSSIBLE POINTS: 5

#### **EAc4: Green Power**

**Awarded: 5**

POSSIBLE POINTS: 5

ATTEMPTED: 5, DENIED: 0, PENDING: 0, AWARDED: 5

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has a two-year purchase agreement to procure 16 kWh per square foot of the electricity of this LEED-CI project from sources that meet the Green-e definition for renewable power and therefore applies Option 2. A minimum of eight kWh per square foot per year must be provided by green power. The proof of purchase for off-site renewable energy has been provided. Additionally a renewable energy certificate has been provided.

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The LEED Credit Form indicates that the project is pursuing the Exemplary Performance option for this credit and that the project reserves one point within the Innovation and Design Credit category for this strategy.





## Materials and Resources

### MRp1: Storage and Collection of Recyclables

**Awarded**

03/04/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Prerequisite Form has been provided stating that the project has provided appropriately sized dedicated areas for the collection and storage of materials for recycling, including cardboard, paper, plastic, glass, and metals. The narrative describing the size, accessibility, and dedication of recycling storage areas, and a floor plan showing the location of the recycling storage areas within the LEED-CI project space have been provided. The area is adequately sized and located, and the narrative confirms the expected volume and pick-up frequencies. Additionally, a recycling policy has been provided.

### MRc1.1: Tenant Space-Long-Term Commitment

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/04/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that the LEED-CI project occupant has signed a lease for at least ten years. A copy of the lease has been provided.

### MRc1.2: Building Reuse

**Not Attempted**

POSSIBLE POINTS: 2

### MRc2: Construction Waste Management

**Awarded: 2**

POSSIBLE POINTS: 2

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 2

03/04/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that the project has diverted 80% of the on-site generated construction waste from landfill. A minimum of 50% diverted is required. Calculations and a Construction Waste Management Plan have been provided to document the waste types and receiving agencies for the diverted materials. Documentation, including an annual report from the diversion facility, has been provided for all commingled waste as required.

### MRc3.1: Materials Reuse

**Not Attempted**

POSSIBLE POINTS: 2

### MRc3.2: Materials Reuse-Furniture and Furnishings

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/04/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form and the LEED Materials and Resources Calculator have been provided stating that the project has used salvaged, refurbished or reused materials equal to 60.29% of the total furniture and furnishing material values. A minimum of 30% is required. Calculations have been provided to document the materials used and values for each tracked item.

For future submittals, please note that in order to ensure a proper review the Calculator should be provided in XLS format rather than PDF format.

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The LEED Credit Form indicates that the project is pursuing the Exemplary Performance option for this credit and that the project reserves one point within the Innovation and Design Credit category for this strategy.

### MRc4: Recycled Content

**Awarded: 1**

POSSIBLE POINTS: 2

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/04/2013 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that 16.97% of the total building materials, by value, have been manufactured using recycled materials. A minimum of 10% is required. The recycled material meets the ISO 14021 definitions of post- and pre-consumer material. Manufacturer documentation has been provided for at least 20% of the compliant materials as required.

For future submittals, please note that in order to ensure a proper review the Calculator should be provided in XLS format rather than

PDF format.

**Mrc5: Regional Materials**

**Awarded: 2**

POSSIBLE POINTS: 2

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 2

**03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that 70.07% of the total building materials value includes building materials and products that have been manufactured within 500 miles of the project site and that 45.81% of the total building materials value includes building materials and products that have been extracted and manufactured within 500 miles of the project site. A minimum of 20% of the total building materials value must be manufactured within 500 miles of the project site for one point and additionally a minimum of 10% must also be extracted and manufactured within 500 miles of the project site for two points. Manufacturer documentation has been provided for at least 20% of the compliant materials as required.

For future submittals, please note that in order to ensure a proper review the Calculator should be provided in XLS format rather than PDF format.

**04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW**

This credit was previously awarded. A regional priority document has been provided. The documentation continues to demonstrate credit compliance.

**Mrc6: Rapidly Renewable Materials**

**Not Attempted**

POSSIBLE POINTS: 1

**Mrc7: Certified Wood**

**Not Attempted**

POSSIBLE POINTS: 1



### IEQp1: Minimum Indoor Air Quality Performance

**Awarded**

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project is mechanically ventilated and mechanically conditioned and that the project air handling units are able to meet the ASHRAE 62.1-2007 outdoor air requirements, therefore the project applies Case 1. The ventilation rate procedure (VRP) calculations and design outdoor airflow rates have been provided for spaces served by existing VAV system AHU-1 to confirm that the breathing zone ventilation rates for all occupied spaces meet the minimum established in ASHRAE 62.1-2007. The project team HVAC Engineer has signed the form as required.

However, the form ventilation calculations do not appear to include the spaces served by WSHP-401, 402, and 403.

#### TECHNICAL ADVICE:

Please provide ASHRAE Ventilation Rate Procedure (VRP) calculations and design outdoor airflow rates for systems providing ventilation to all appropriate spaces within the project boundary. Ensure the calculations and supporting documentation list the systems and spaces by name and follow the appropriate VRP calculation methodology for the system type such as multiple or single zone.

#### 04/08/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Prerequisite Form has been revised to address the issue outlined in the Preliminary Review comments and includes a ventilation narrative. Supplemental ventilation calculations have been provided for WSHP-401 and 402. It is noted that WSHP-403 serves a non-regularly occupied space. The documentation demonstrates prerequisite compliance.

Please note for future projects that the Prerequisite Form must be updated to reflect the single zone ventilation details in form Table IEQp1-A2.

### IEQp2: Environmental Tobacco Smoke (ETS) Control

**Awarded**

#### 03/12/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project is located in a base building which minimizes exposure to ETS-containing air by prohibiting smoking within 25 feet of all entries, outdoor air intakes, and operable windows. Photographs confirming the signage system communicating the exterior smoking policy have been provided. The form has been signed, as required. Additionally, a letter from the property manager describing the base building smoking policy has been provided.

### IEQc1: Outdoor Air Delivery Monitoring

POSSIBLE POINTS: 1

**Not Attempted**

### IEQc2: Increased Ventilation

POSSIBLE POINTS: 1

**Not Attempted**

### IEQc3.1: Construction IAQ Management Plan- During Construction

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

**Awarded: 1**

#### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project developed and implemented a Construction IAQ Management Plan that followed the referenced SMACNA Guidelines. The form narrative describes how absorptive materials were protected from moisture damage during the construction and preoccupancy phases. Photographs from at least two different time periods have been provided highlighting the implemented IAQ measures. Permanently installed air handling units were operated during construction. For all permanently installed air handling units that were operated during construction, a MERV 8 filter was installed at each return air grille during construction and these filters were replaced immediately prior to project occupancy with a MERV 8 filter. A copy of the Construction IAQ Management Plan has been provided.

### IEQc3.2: Construction IAQ Management Plan- Before Occupancy

POSSIBLE POINTS: 1

**Not Attempted**

### IEQc4.1: Low-Emitting Materials-Adhesives and Sealants

**Awarded: 1**

POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all adhesive and sealant products comply with the VOC limits of the referenced standards for this credit. A summary of all interior adhesive and sealant products has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits. The project team Contractor has signed the form as required. Manufacturer documentation has been provided for at least 20% of the products as required.

However, based on the scope of work, it is unclear whether all adhesives and sealants used on the inside of the weatherproofing system and applied on-site have been included in the table. The following are common products included in this credit: subfloor adhesives, drywall and panel adhesives, wall-base adhesives, multipurpose construction adhesives, structural glazing and wood adhesives, substrate adhesives, adhesive and sealant primers, welding adhesives, contact adhesives, architectural sealants, aerosol adhesives, and sheet applied rubber lining operations. See the South Coast Air Quality Management District (SCAQMD) South Coast Rule 1168 for the complete listing.

#### TECHNICAL ADVICE:

Please provide a comprehensive list of adhesives and sealants and/or a narrative confirming that these items were not used.

Note that the manufacturer information for the Miracle D-619 product does not appear to confirm the VOC data included on the form.

### 04/17/2013 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Credit Form has been revised to address the issue outlined in the Preliminary Review comments and includes an additional sealant product. Additionally, a response narrative and two additional product cut sheets have been provided. The form narrative notes that a non-compliant product was erroneously used at the beginning of the project and was subsequently replaced with a compliant product. Therefore the project has submitted a VOC Budget indicating that the overall VOC Budget is equal to or below the required standard.

Please note that the volume of the newly added architectural sealant was not included on the form. However, the general volume of material used was included in the form narrative and credit compliance is not affected.

The documentation demonstrates credit compliance.

## IEQc4.2: Low-Emitting Materials-Paints and Coatings

**Awarded: 1**

POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all interior paints and coatings applied on-site comply with the VOC limits of the referenced standards for this credit. A summary of all interior paints and coatings has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits. The project team Contractor has signed the form as required. Manufacturer documentation has been provided for at least 20% of the products as required.

## IEQc4.3: Low-Emitting Materials-Flooring Systems

**Awarded: 1**

POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all interior flooring materials and finishes meet or exceed applicable criteria for the Carpet and Rug Institute, South Coast Air Quality Management District, or FloorScore. The adhesives used have a VOC level of less than 50 g/L that complies with IEQc4.1: Low-Emitting Materials - Adhesives and Sealants. A summary of the products along with data for each product has been provided in the form. Manufacturer documentation has been provided for at least 20% of the materials and for at least 20% of the adhesive and sealant products as required.

## IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products

**Awarded: 1**

POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all composite wood, agrifiber products, and laminate adhesives used in the project contain no added urea-formaldehyde resins. A product summary of all products has been provided indicating that the products do not contain added urea-formaldehyde. The project team Contractor has signed the form as required. Manufacturer documentation has been provided for at least 20% of the materials as required.

However, laminate adhesives used to fabricate on-site and shop applied assemblies have not been included in the list.

TECHNICAL ADVICE:

Please provide information for laminate adhesives used to fabricate on-site and shop applied assemblies within the scope of work that may not be listed and/or a narrative explaining why these items were not used. To support the information, provide manufacturer documentation confirming that the products contain no added urea-formaldehyde resins.

**04/11/2013 DESIGN AND CONSTRUCTION FINAL REVIEW**

The LEED Credit Form has been revised to address the issue outlined in the Preliminary Review comments and includes a laminate adhesive product (used off-site) and a narrative stating that no additional laminate adhesives were used to fabricate on-site assemblies. Additionally, a cut sheet for the product has been provided. The documentation demonstrates credit compliance.

**IEQc4.5: Low-Emitting Materials-Systems Furniture and Seating** **Not Attempted**  
POSSIBLE POINTS: 1

**IEQc5: Indoor Chemical and Pollutant Source Control** **Not Attempted**  
POSSIBLE POINTS: 1

**IEQc6.1: Controllability of Systems-Lighting** **Not Attempted**  
POSSIBLE POINTS: 1

**IEQc6.2: Controllability of Systems-Thermal Comfort** **Not Attempted**  
POSSIBLE POINTS: 1

**IEQc7.1: Thermal Comfort-Design** **Awarded: 1**  
POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

**03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that the mechanically ventilated and mechanically conditioned project space is in compliance with ASHRAE 55-2004. The metabolic rate and clothing insulation, weather design conditions, and operating conditions have been provided for both the cooling and heating mode. Local discomfort effects have been considered and are considered unlikely. The project team HVAC Engineer has signed the form as required.

Supporting documentation has been provided to confirm that all design conditions fall within the ASHRAE 55-2004 acceptable ranges.

**IEQc7.2: Thermal Comfort-Verification** **Awarded: 1**  
POSSIBLE POINTS: 1  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

**03/12/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that a permanent monitoring system and process for corrective action are in place to ensure performance to the desired comfort criteria, as determined by the credit requirements. IEQc7.1: Thermal Comfort - Design, has been earned, as required. The project Owner has signed the form, as required. A sample questionnaire and a narrative which identifies the party/parties responsible for administering the survey have been provided.

However, the provided thermal comfort survey does not include follow-up questions to identify the nature and cause of the problem, if the respondent indicates dissatisfaction.

TECHNICAL ADVICE:

Please provide a revised survey that includes follow-up questions, which allows dissatisfied occupants to identify thermal comfort problems.

**04/08/2013 DESIGN AND CONSTRUCTION FINAL REVIEW**

The LEED Credit Form has been revised to address the first issue outlined in the Preliminary Review comments and has been signed by the project Owner. Additionally, a narrative and revised survey form with follow-up questions have been provided. The documentation demonstrates credit compliance.

**IEQc8.1: Daylight and Views-Daylight** **Not Attempted**  
POSSIBLE POINTS: 2

IEQc8.2: Daylight and Views-Views for Seated Spaces Not Attempted

POSSIBLE POINTS: 1



## Innovation in Design

### IDc1.1: Innovation in Design

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project achieves exemplary performance for SSc3.1: Alternative Transportation - Public Transportation Access as specified in the LEED Reference Guide for Green Interior Design and Construction, 2009 Edition. The documentation provided within SSc3.1 demonstrates that the project is within one half mile of at least two existing commuter rail, light rail, or subway lines. The total frequency of the rail lines is 1,272 rides per day. A minimum of 200 transit rides per day is required for Exemplary Performance. Transit maps and schedules have been provided as required.

### IDc1.2: Innovation in Design

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project achieves exemplary performance for EAc4: Green Power as specified in the LEED Reference Guide for Green Interior Design and Construction, 2009 Edition. The requirement for exemplary performance in EAc4 is 100% green power for a two-year contract. The project team has provided documentation demonstrating the purchase of green power equivalent to 100% of the tenant electricity needs over two years, which meets the exemplary performance requirement.

### IDc1.3: Innovation in Design

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/04/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project achieves exemplary performance for MRc3.2: Materials Reuse - Furniture and Furnishings as specified in the LEED Reference Guide for Green Interior Design and Construction, 2009 Edition. The requirement for exemplary performance in MRc3.2 is 60%. The project team has provided documentation demonstrating a furniture and furnishing reuse of 60.29% which meets the exemplary performance requirement.

### IDc1.4: Innovation in Design

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project team has developed and implemented a Public Education program. This strategy is detailed in LEED Reference Guide for Green Interior Design and Construction, 2009 Edition. To take advantage of the educational value of the green building features of a project and to earn a LEED point, any approach should be actively instructional. At least two ongoing instructional initiatives must be documented, such as a comprehensive signage program, a case-study highlighting the successes of the LEED project, guided tours using the project as an example, an educational outreach program that engages occupants or the public through periodic events covering green building topics, and / or a website or electronic newsletter. The documentation provided for the development of a signage program and a website comply with the Reference Guide requirements. Copies of the signage program and screen shots of the website have been provided.

### IDc1.5: Innovation in Design

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

#### 03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project has developed and implemented a Green Housekeeping program. To receive an innovation point, the project team must demonstrate compliance with LEED-EBOM 2009 IEQp3: Green Cleaning Policy. The LEED-EBOM 2009 IEQp3 Prerequisite Form and the Green Cleaning Policy have been provided. The Green Cleaning Policy follows the LEED-EBOM Policy Model and demonstrates the development of a comprehensive and quantitative green cleaning program which includes detailed information regarding staff training, cleaning processes and chemicals, and occupant feedback. Additionally, a copy of the cleaning contract has been provided.

### IDc2: LEED® Accredited Professional

**Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

**03/05/2013 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been submitted stating that a LEED AP has been a participant on the project development team. A copy of the LEED AP award certification for Richard Moore has been included as required.





## Regional priority

### SSc3.2: Alternative Transportation-Bicycle Storage and Changing Rooms

POSSIBLE POINTS: 1

### WEc1: Water Use Reduction

POSSIBLE POINTS: 1

### EAc1.1: Optimize Energy Performance-Lighting Power

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

### EAc1.3: Optimize Energy Performance-HVAC

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

### MRc3.1: Materials Reuse

POSSIBLE POINTS: 1

### MRc5: Regional Materials

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

TOTAL

110

55

0

0

60

# REVIEW SUMMARY

Review	POINTS:					
	SUBMITTED	RETURNED	SUBMITTED	DENIED	PENDING	AWARDED

<b>Design and Construction Preliminary</b>	<b>02/19/2013</b>	<b>03/14/2013</b>	<b>54</b>	<b>0</b>	<b>15</b>	<b>44</b>
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Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Plf1: Minimum Program Requirements	Not Approved		0	0	0	0
Plf2: Project Summary Details	Approved		0	0	0	0
Plf3: Occupant and Usage Data	Approved		0	0	0	0
Plf4: Schedule and Overview Documents	Approved		0	0	0	0
Plf5: Previously LEED Certified Details	Approved		0	0	0	0
SSc2: Development Density and Community Connectivity	Awarded	Design	6	0	0	6
SSc3.1: Alternative Transportation-Public Transportation Access	Awarded	Design	6	0	0	6
WEp1: Water Use Reduction-20% Reduction	Awarded	Design	0	0	0	0
EAp1: Fundamental Commissioning of the Building Energy Systems	Awarded	Construction	0	0	0	0
EAp2: Minimum Energy Performance	Pending	Design	0	0	0	0
EAp3: Fundamental Refrigerant Management	Awarded	Design	0	0	0	0
EAc1.1: Optimize Energy Performance-Lighting Power	Pending	Design	5	0	5	0
EAc1.2: Optimize Energy Performance-Lighting Controls	Pending	Design	1	0	1	0
EAc1.3: Optimize Energy Performance-HVAC	Pending	Design	6	0	6	0
EAc1.4: Optimize Energy Performance-Equipment and Appliances	Awarded	Design	1	0	0	4
EAc2: Enhanced Commissioning	Awarded	Construction	5	0	0	5
EAc4: Green Power	Awarded	Construction	5	0	0	5
MRp1: Storage and Collection of Recyclables	Awarded	Design	0	0	0	0
MRC1.1: Tenant Space-Long-Term Commitment	Awarded	Design	1	0	0	1
MRC2: Construction Waste Management	Awarded	Construction	1	0	0	2
MRC3.2: Materials Reuse-Furniture and Furnishings	Awarded	Construction	1	0	0	1
MRC4: Recycled Content	Awarded	Construction	1	0	0	1
MRC5: Regional Materials	Awarded	Construction	2	0	0	3
IEQp1: Minimum Indoor Air Quality Performance	Pending	Design	0	0	0	0
IEQp2: Environmental Tobacco Smoke (ETS) Control	Awarded	Design	0	0	0	0
IEQc3.1: Construction IAQ Management Plan-During Construction	Awarded	Construction	1	0	0	1
IEQc4.1: Low -Emitting Materials-Adhesives and Sealants	Awarded	Construction	1	0	1	0
IEQc4.2: Low -Emitting Materials-Paints and Coatings	Awarded	Construction	1	0	0	1
IEQc4.3: Low -Emitting Materials-Flooring Systems	Awarded	Construction	1	0	0	1
IEQc4.4: Low -Emitting Materials-Composite Wood and Agrifiber Products	Pending	Construction	1	0	1	0

IEQc7.1: Thermal Comfort-Design	<b>Awarded</b>	Design	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IEQc7.2: Thermal Comfort-Verification	<b>Pending</b>	Design	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
IDc1.1: Exemplary Performance for SSc3.1	<b>Awarded</b>	Design	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IDc1.2: Exemplary Performance for EAc4	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IDc1.3: Exemplary Performance for MRc3.2	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IDc1.4: Green Building Education	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IDc1.5: Green Cleaning Policy	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IDc2: LEED® Accredited Professional	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

**Design and Construction Final****04/03/2013****04/18/2013****17****0****0****60**

<b>Credit</b>	<b>STATUS</b>	<b>TYPE</b>	<b>POINTS: ATTEMPTED</b>	<b>DENIED</b>	<b>PENDING</b>	<b>AWARDED</b>
Pf1: Minimum Program Requirements	<b>Approved</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Pf2: Project Summary Details	<b>Approved</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Pf3: Occupant and Usage Data	<b>Approved</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Pf4: Schedule and Overview Documents	<b>Approved</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Pf5: Previously LEED Certified Details	<b>Approved</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
EAp2: Minimum Energy Performance	<b>Awarded</b>	Design	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
EAc1.1: Optimize Energy Performance-Lighting Power	<b>Awarded</b>	Design	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>
EAc1.2: Optimize Energy Performance-Lighting Controls	<b>Awarded</b>	Design	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
EAc1.3: Optimize Energy Performance-HVAC	<b>Awarded</b>	Design	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>
MRC5: Regional Materials	<b>Awarded</b>	Construction	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>
IEQp1: Minimum Indoor Air Quality Performance	<b>Awarded</b>	Design	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
IEQc4.1: Low-Emitting Materials-Adhesives and Sealants	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products	<b>Awarded</b>	Construction	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
IEQc7.2: Thermal Comfort-Verification	<b>Awarded</b>	Design	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>