# 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 Green Business Certification Inc. (GBCI®).

## Upson Hall

**Project ID** 1000045282  
**Rating system & version** LEED-NC v2009  
**Project registration date** 07/21/2014

## LEED 2009 NEW CONSTRUCTION

### ATTEMPTED: 84, DENIED: 0, PENDING: 0, AWARDED: 83 OF 110 POINTS

#### SUSTAINABLE SITES

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SSp1</td>
<td>Construction Activity Pollution Prevention</td>
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<td>100%</td>
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<tr>
<td>SS1</td>
<td>Site Selection</td>
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<tr>
<td>SS2</td>
<td>Development Density and Community Connectivity</td>
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<tr>
<td>SS4.1</td>
<td>Alternative Transportation-Public Transportation Access</td>
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<td>SS4.2</td>
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<td>SS4.3</td>
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<td>SS5.1</td>
<td>Site Development-Protect or Restore Habitat</td>
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<td>0%</td>
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<td>0%</td>
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<td>0%</td>
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<td>SS7.1</td>
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<td>100%</td>
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<td>100%</td>
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### WATER EFFICIENCY

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<td>WP1</td>
<td>Water Use Reduction-20% Reduction</td>
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<td>WE2</td>
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### ENERGY AND ATMOSPHERE

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<td>Fundamental Commissioning of the Building Energy Systems</td>
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<td>Minimum Energy Performance</td>
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<td>100%</td>
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<td>EA6</td>
<td>Enhanced Commissioning</td>
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<td>EA9</td>
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### MATERIALS AND RESOURCES

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<tr>
<td>MRc5</td>
<td>Regional Materials</td>
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<td>MRc6</td>
<td>Rapidly Renewable Materials</td>
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### INDOOR ENVIRONMENTAL QUALITY

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<td>IEQ2</td>
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<td>Outdoor Air Delivery Monitoring</td>
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### INNOVATION IN DESIGN

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### REGIONAL PRIORITY CREDITS

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<td>EA2</td>
<td>On-Site Renewable Energy</td>
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**TOTAL** 83 OF 110

**CERTIFIED: 40-49, SILVER: 50-59, GOLD: 60-79, PLATINUM: 80+**
PIf1: Minimum Program Requirements

01/18/2016 DESIGN FINAL REVIEW

Additional documentation has been provided to confirm compliance.

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project complies with all Minimum Program Requirements. The project will comply with MPR 6: Must Commit to Sharing Whole-Building Energy and Water Usage Data via Option 2: USGBC Approved Data Template. The project is located in Ithaca, New York.

However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. It is unclear if the project complies with Minimum Program Requirement 2: Must Be a Complete, Permanent Building or Space. Based on the document "A-2001 - OVERALL LEVEL 01 PLAN.pdf" provided in PIf4: Schedule and Overview Documents, it appears that the project is connected to two buildings which may not be LEED certified. As stated in Items 2 and 3 under “Buildings Attached to Non-LEED Certified Buildings” in the June 2011 version (and subsequent versions) of the Supplemental Guidance to the Minimum Program Requirements (MPRs) for MPR 2, if the existing buildings to which a LEED project is attached (in this case, Duffield on the north and Grumann on the south) are not LEED certified, then signage must be installed to mark the distinction between the LEED project and the existing non-LEED buildings to which it is attached.

Provide a narrative clarifying whether the existing, attached buildings are LEED certified (Duffield and Grumann). If not, provide documentation (photographs or drawings of signage, along with location(s) of signage, and narrative) that demonstrates how the LEED project will be distinguished from the existing non-LEED buildings on the north and south. Examples of acceptable signage could also include providing the identifying project name and/or key plan adjacent to the LEED plaque display, or signage at the actual transition to non-LEED space. If LEED certification will not be communicated for the project (for confidentiality reasons, or other) no additional distinction beyond the project name is necessary.

PIf2: Project Summary Details

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form includes the required project summary details. There is one building in this LEED application with a total of six stories and 164,067 gross square feet. The project is 1.7% new construction and 97.33% existing, renovated, and 0.97% existing, unrenovated. The total estimated project budget is $52,750,000.

PIf3: Occupant and Usage Data

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form includes the required occupant and usage data. The project consists primarily of Core Learning: College/University, Laboratory, Office: Administrative/Professional, Public Assembly: Social/Meeting, and Circulation spaces. The FTE value is 177, the daily average transient (student/visitor) value is 1,602, the peak transient (student/visitor) value is 712, and the project is in operation 260 days per year.

PIf4: Schedule and Overview Documents

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form includes the design and construction schedule. The date of substantial completion is August 22, 2017 and the date of occupancy is also August 22, 2017. The required documents have been uploaded.
Sustainable Sites

SSp1: Construction Activity Pollution Prevention
Awarded

SSc1: Site Selection
Awarded: 1

11/09/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that the project site does not meet any of the prohibited criteria.

SSc2: Development Density and Community Connectivity
Awarded: 5

11/09/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that the project complies with Option 2: Community Connectivity.

SSc3: Brownfield Redevelopment
Awarded: 1

SSc4.1: Alternative Transportation-Public Transportation Access
Awarded: 6

11/09/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that the project complies with Option 2: Bus Station Proximity and is located within a quarter mile walking distance of one or more stops for two or more public, campus, or private bus lines usable by building occupants.

SSc4.2: Alternative Transportation-Bicycle Storage and Changing Rooms
Awarded: 1

11/09/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that the project complies with Case 1: Commercial or Institutional Projects. Bicycle storage facilities have been provided to serve 5.85% of the LEED project FTE and transient occupants, measured at peak occupancy, and shower facilities have been provided for 0.56% of the LEED project FTE occupants.

SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles
Not Attempted

SSc4.4: Alternative Transportation-Parking Capacity
Awarded: 2

11/09/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that no new parking has been created within the LEED project scope of work.

SSc5.1: Site Development-Protect or Restore Habitat
Not Attempted

SSc5.2: Site Development-Maximize Open Space
Awarded: 1
11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project complies with Case 2: Sites with No Local Zoning Requirements. The open space provided is equal to or greater than the footprint of the LEED project building.

SSc6.1: Stormwater Design-Quantity Control
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

SSc6.2: Stormwater Design-Quality Control
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

SSc7.1: Heat Island Effect, Non-Roof
Awarde: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

05/18/2018 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 1 and 55% of nonroof base building hardscape surfaces will be mitigated through the use of materials with an SRI of at least 29.

SSc7.2: Heat Island Effect-Roof
Awarde: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 3 and the weighted average roof area for the combined SRI compliant and vegetated roofing surfaces is greater than or equal to the total building roof area.

SSc8: Light Pollution Reduction
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

Not Attempted
**WEp1: Water Use Reduction-20% Reduction**

**Awarded**

11/09/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project has reduced potable water use by 40.24%.

For future projects, please note that it is not clear why the total number of Transients included in the Fixture Usage Groups of 2,118 (total) exceeds the total number of daily average transients entered in PIf3 (1,602). Compliance is not affected in this case.

**POSSIBLE POINTS: 4**
**ATTEMPTED: 4,** **DENIED: 0,** **PENDING: 0,** **AWARDED: 4**

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**WEc1: Water Efficient Landscaping**

**Awarded: 4**

11/09/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the landscaping does not use permanent irrigation systems and that all temporary irrigation systems used for plant establishment will be removed within 18 months of installation.

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**WEc2: Innovative Wastewater Technologies**

**Not Attempted**

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**WEc3: Water Use Reduction**

**Awarded: 4**

11/09/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project has reduced potable water use by 40.24%.
**EAp1: Fundamental Commissioning of the Building Energy Systems**

**Awarded:**

**05/17/2018 CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that fundamental commissioning is complete.

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**EAp2: Minimum Energy Performance**

**Awarded:**

**01/22/2016 DESIGN FINAL REVIEW**

The LEED Form has been revised to address the issues outlined in the Preliminary Review and states that the project has achieved an energy cost savings of 66.62%. The total predicted annual energy consumption for the project is 391,670 kWh/year of electricity and 101,675 therms/year of natural gas.

**11/10/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and has achieved an energy cost savings of 66.62%. However, to demonstrate compliance, the following comments requiring a project response (marked as Mandatory) must be addressed for the Final Review. For the remaining review comments (marked as Optional), a project response is optional.

**TECHNICAL ADVICE**

**REVIEW COMMENTS REQUIRING A PROJECT RESPONSE (Mandatory)**

1. Provide the following:
   a. A narrative response to each Preliminary Review comment below.
   b. A narrative describing any additional changes made to the energy models between the Preliminary and Final Review phases not addressed by the responses to the review comments. The mandatory comments are perceived to reduce the projected savings for the Proposed design. If the projected savings increase substantially in the Final submission, without implementing any optional comments that may improve performance, a narrative explanation for these results must be provided.

2. Table EAp2-5 indicates that the fan annual equivalent full load hours (EFLHs) of the Baseline case for the VAV systems are 5,297 hours, and the Proposed case constant volume fan system EFLHs are 4,437 hours. It is unexpected that the EFLHs of the Proposed case are lower than the Baseline case. Additionally, the annual EFLHs of both cases are much higher than the operation hours reported in the form Section 1.2 Table EAp2-1. Please describe the fan operation schedule for different type of spaces (e.g. classrooms and laboratories) as compared to the building/ space operating schedule. Ensure both schedules are modeled as designed. Provide justifications for the EFLHs of the Proposed case and the Baseline case. Revise the energy model as necessary.

3. Table 1.4 and the LEED report indicates that a DES (district energy source) has been utilized for the proposed building heating and cooling. Table 1.4 states that the ASHRAE 90.1-2007 Appendix G method without Addenda was followed. However, the LEED report and the simulation output report show that the Baseline case is modeled with a boiler (80% efficiency) as compared to the Proposed case modeled with district heating energy (100% efficiency). Note that G3.1.1.1 requires that for systems using purchased hot water or steam, hot water or steam costs shall be based on actual utility rates, and on-site boilers shall not be modeled in the baseline building design. Please revise the energy model as required. Provide further information supporting the steam rates used in the project.

4. The exceptional calculation for the energy cost savings from the DES CHP system does not appear to appropriately account the input fuel cost of the DES CHP system but only deduct the cost of “free” electricity generated. Please note, the guidance of the document Treatment of District or Campus Thermal Energy in LEED v2 and LEED 2009 - Design & Construction (DES v2) dated August 10, 2010 which can be accessed at: https://new.usgbc.org/resources/des-district-energy-systems-guidance-v22-and-v2009-guidance-v20 includes guidance for estimating the energy cost savings from DES CHP system. Please consider following the method there, or provide a detailed narrative and a live excel spreadsheet explaining the exceptional calculation steps.

5. It is unclear whether G3.1.1 Exception d is applicable to this project. Describe the exhaust rates and ventilation control of the laboratory spaces. For laboratory spaces with a minimum of 5,000 cfm of exhaust, use system type 5 or 7 that reduce the exhaust and makeup air volume to 50% of design values during unoccupied periods. Revise the Baseline case model as necessary.

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**EAp3: Fundamental Refrigerant Management**

**Awarded:**
EAc1: Optimize Energy Performance  
Awarded: 19  
01/22/2016 DESIGN FINAL REVIEW  
Additional documentation has been provided for EAp2: Minimum Energy Performance claiming an energy cost savings of 66.62%.

11/10/2015 DESIGN PRELIMINARY REVIEW  
The LEED Form states that the project has achieved an energy cost savings of 66.62%. However, to demonstrate compliance, the following must be addressed.  
TECHNICAL ADVICE  
1. Refer to the comments within EAp2: Minimum Energy Performance and resubmit this credit.

EAc2: On-Site Renewable Energy  
Awarded: 1  
05/17/2018 CONSTRUCTION PRELIMINARY REVIEW  
The LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and that the project has offset 1.58% of the total energy costs through renewable energy generated on-campus.

EAc3: Enhanced Commissioning  
Awarded: 2  

EAc4: Enhanced Refrigerant Management  
Awarded: 2  
11/10/2015 DESIGN PRELIMINARY REVIEW  
The LEED Form states that the project selected refrigerants and HVAC systems that minimize or eliminate the emission of compounds that contribute to ozone depletion and global climate change. Additionally, all fire suppression systems in the LEED project do not use ozone-depleting substances including CFCs, HCFCs, or halons. The refrigerant impact calculation indicates that the total refrigerant impact of the LEED project is 96 per ton, which is less than the maximum allowable value of 100.

EAc5: Measurement and Verification  
Not Attempted

EAc6: Green Power  
Awarded: 2  
05/17/2018 CONSTRUCTION PRELIMINARY REVIEW  
The LEED Form states that the project has a two-year purchase agreement to procure 35.11% of electricity for this LEED project that meets the Green-e definition for renewable power using Option 1: Whole Building Energy Simulation.
Materials and Resources

MRp1: Storage and Collection of Recyclables

Awarded

01/18/2016 DESIGN FINAL REVIEW

Additional documentation has been provided to confirm compliance

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project has provided appropriately sized dedicated areas for the collection and storage of materials for recycling. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. While the documentation clearly indicates the locations of recycling storage, materials, and pickup frequency, it is not clear how these areas were sized. Provide a narrative that confirms that the recycling area is adequately sized by describing the approximate expected volume generated by the project occupants, or other rationale for the sizing of recycling storage.

MRc1.1: Building Reuse-Maintain Existing Walls, Floors and Roof

Awarded: 2

POSSIBLE POINTS: 3
ATTEMPTED: 3, DENIED: 0, PENDING: 0, AWARDED: 2

MRc1.2: Building Reuse - Maintain 50% of Interior Non-Structural Elements

Not Attempted

POSSIBLE POINTS: 1

MRc2: Construction Waste Management

Awarded: 1

05/18/2018 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project has diverted 69.19% of the on-site generated construction waste from landfill.

MRc3: Materials Reuse

Not Attempted

POSSIBLE POINTS: 2

MRc4: Recycled Content

Awarded: 1

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

MRc5: Regional Materials

Awarded: 2

POSSIBLE POINTS: 2
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

MRc6: Rapidly Renewable Materials

Not Attempted

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

MRc7: Certified Wood

Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1
Indoor Environmental Quality

IEQp1: Minimum Indoor Air Quality Performance

11/10/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project is mechanically ventilated and that the ventilation system has met the minimum requirements of ASHRAE 62.1-2007.

Please note, the submitted calculation using ASHRAE 62MZ calculator is for multi-zone recirculating systems rather than 100% outdoor air systems. However, this would lead to conservative results. The impact does not affect prerequisite compliance.

IEQp2: Environmental Tobacco Smoke (ETS) Control

01/18/2016 DESIGN FINAL REVIEW

Additional documentation has been provided to confirm compliance

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that smoking is prohibited within 25 feet of the project building. Additionally, smoking is prohibited within the building. The campus policy and a site plan exhibit have also been provided. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The supplemental narrative and photograph “Upson IEQ p-2 narrative and photo.pdf” indicate that the depicted signage in the photograph is standard from elsewhere on campus and similar to what will be used on this project. Additionally, the supplemental narrative indicates that the signage may have already been installed but not shown in the upload. Please provide a clarification narrative and additional documentation such as drawings or photographs confirming the details and locations of the signage to be installed in order to communicate the exterior smoking policy of this LEED project.

IEQc1: Outdoor Air Delivery Monitoring

Awarded: 1

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

01/23/2016 DESIGN FINAL REVIEW

The additional documentation demonstrates compliance.

11/10/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project is mechanically ventilated, that a CO2 sensor has been installed within each densely occupied space, that an outdoor airflow measurement device has been installed for all systems where 20% or more of the design supply airflow services non-densely occupied spaces, and these devices are programmed to generate an alarm when the conditions vary by 10% or more from the design value. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide drawings that highlight the outdoor airflow measurement devices.

IEQc2: Increased Ventilation

Awarded: 1

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

IEQc3.1: Construction IAQ Management Plan-During Construction

Awarded: 1

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

IEQc3.2: Construction IAQ Management Plan-Before Occupancy

Awarded: 1

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

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

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

IEQc4.2: Low-Emitting Materials-Paints and Coatings
Awarded: 1

05/18/2018 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that all paint and coating products used on the inside of the weatherproofing system and applied on-site have been included in the tables and comply with the VOC limits of the referenced standards for this credit.

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

IEQc4.3: Low-Emitting Materials-Flooring Systems
Awarded: 1

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

IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products
Awarded: 1

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

IEQ5: Indoor Chemical and Pollutant Source Control
Awarded: 1

11/09/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project has been designed to minimize building occupant exposure to particulates and chemical pollutants.

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

IEQc6.1: Controllability of Systems-Lighting
Awarded: 1

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

IEQc6.2: Controllability of Systems-Thermal Comfort
Awarded: 1

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

IEQ7.1: Thermal Comfort-Design
Awarded: 1

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

IEQ7.2: Thermal Comfort-Verification
Awarded: 1

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

IEQ8.1: Daylight and Views-Daylight Not Attempted

POSSIBLE POINTS: 1

IEQ8.2: Daylight and Views-Views Not Attempted

POSSIBLE POINTS: 1
Innovation in Design

**POSSIBLE POINTS: 1**

**IDc1.1: Innovation in Design**

- **Awarded: 1**
- **ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1**

**IDc1.2: Innovation in Design**

- **Not Attempted**

**IDc1.3: Innovation in Design**

- **Not Attempted**

**IDc1.4: Innovation in Design**

- **Awarded: 1**
- **ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1**

**IDc1.5: Innovation in Design**

- **Not Attempted**

**IDc2: LEED® Accredited Professional**

- **Awarded: 1**
- **ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1**

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05/18/2018 **CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project team has developed and implemented a Green Housekeeping program. The project must demonstrate compliance with LEED-EBOM 2009 IEQp3: Green Cleaning Policy. The Green Cleaning Policy follows the LEED-EBOM Policy Model and demonstrates the development of a comprehensive and quantitative green cleaning program that includes detailed information regarding staff training, cleaning processes and chemicals, and occupant feedback.

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01/18/2016 **DESIGN FINAL REVIEW**

This credit has been submitted for initial review in the Design Final phase. Please note that clicking the exemplary performance box within the base credit does not automatically generate or link to an associated Innovation in Design credit.

The LEED Form states that the project achieves exemplary performance for SSc4.1: Alternative Transportation - Public Transportation Access. The project location has double the transit lines required for the base credit and the total frequency is 328 rides per day. Compliance is confirmed.

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01/23/2016 **DESIGN FINAL REVIEW**

The LEED Form states that the project achieves exemplary performance for EAc1:Optimize Energy Performance. The requirement for exemplary performance is 50% and the project has documented 66.62%.

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SSc3: Brownfield Redevelopment
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

SSc7.1: Heat Island Effect, Non-Roof
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

SSc7.2: Heat Island Effect-Roof
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

EAc2: On-Site Renewable Energy
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1
| TOTAL | 110 | 84 | 0 | 0 | 83 |
## REVIEW SUMMARY

### Design Preliminary

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### Design Preliminary Submission Dates

- **10/01/2015**
- **11/14/2015**

### Points Summary

- **Total Points Attempted:** 54
- **Awarded:** 34
- **Pending:** 20
- **Denied:** 0
- **Returned:** 0
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