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 Business Certification Inc. (GBCI®).

Kimball Hall - Floors 2-5

Project ID 1000035398
Rating system & version LEED-CI v2009
Project registration date 09/10/2013

LEED FOR COMMERCIAL INTERIORS (V2009)

ATTENDED: 69, DENIED: 2, PENDING: 0, AWARDED: 66 OF 110 POINTS

SUSTAINABLE SITES

<table>
<thead>
<tr>
<th>Credit</th>
<th>Points</th>
<th>Status</th>
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<tbody>
<tr>
<td>SS1 Site Selection</td>
<td>5/5</td>
<td>Y</td>
</tr>
<tr>
<td>SS2 Development Density and Community Connectivity</td>
<td>6/6</td>
<td>Y</td>
</tr>
<tr>
<td>SS3 Alternative Transportation - Public Transportation Access</td>
<td>6/6</td>
<td>Y</td>
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<tr>
<td>SS3.2 Alternative Transportation - Bicycle Storage and Changing Room</td>
<td>0/2</td>
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<tr>
<td>SS3.3 Alternative Transportation - Parking Availability</td>
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WATER EFFICIENCY

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<tr>
<th>Credit</th>
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<tr>
<td>WE1 Water Use Reduction - 20% Reduction</td>
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<td>WE2 Water Use Reduction</td>
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ENERGY AND ATMOSPHERE

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<tr>
<th>Credit</th>
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<tr>
<td>EA1 Fundamental Commissioning of the Building Energy Systems</td>
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<tr>
<td>EA2 Minimum Energy Performance</td>
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<td>EA3 Fundamental Refrigerant Mgmt</td>
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<td>EA4 Optimize Energy Performance - Lighting Power</td>
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<td>EA5 Optimize Energy Performance - HVAC</td>
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<td>EA6 Optimize Energy Performance - Equipment and Appliances</td>
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<td>EA7 Enhanced Commissioning</td>
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<td>EA8 Measurement and Verification</td>
<td>3/5</td>
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<td>EA9 Green Power</td>
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MATERIALS AND RESOURCES

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<tr>
<td>MR1 Storage and Collection of Recyclables</td>
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<td>MR2 Construction Waste Mgmt</td>
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<td>MR3 Materials Reuse - Furniture and Furnishings</td>
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<td>MR4 Recycled Content</td>
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<td>MR5 Regional Materials</td>
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<td>MR6 Rapidly Renewable Materials</td>
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<td>MR7 Certified Wood</td>
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INNOVATION IN DESIGN

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<tr>
<td>IDc.1 Innovation in Design</td>
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<td>IDc.2 Exemplary Performance EA 1.4 Optimize Energy Performance - EQ</td>
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<td>IDc.3 Innovation in Design</td>
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<td>IDc.4 LEED® Accredited Professional</td>
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REGIONAL PRIORITY CREDITS

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<tr>
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<tr>
<td>MRc1.1 Materials Reuse</td>
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<td>MRc5 Regional Materials</td>
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TOTAL 66 OF 110
CREDIT DETAILS

Project Information Forms

**PIf1: Minimum Program Requirements**

Approved

07/17/2015 **DESIGN FINAL REVIEW**

The updated project title demonstrates compliance.

05/22/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project complies with all Minimum Program Requirements except MPR 6: Must Commit to Sharing Whole-Building Energy and Water Usage Data. The project has claimed an exemption because the project has not installed tenant-level energy and water meters. The project is located in Ithaca, NY. However, to demonstrate compliance, the following must be addressed.

**TECHNICAL ADVICE**

1. The project title does not clearly reflect the portion of the building/space seeking LEED-CI certification. Update the project title to ensure that it clearly reflects the portion of the building/space seeking LEED-CI certification.

**PIf2: Project Summary Details**

Approved

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form includes the required project summary details. There is one complete interior space in this LEED application with a total gross square footage of 19,379. The project occupies four stories in the six story building. This is 64.29% of the total gross square feet of the building.

**PIf3: Occupant and Usage Data**

Approved

07/17/2015 **DESIGN FINAL REVIEW**

The revised LEED Form and additional documentation state that the peak users value is 101, the average users value is 96, and the FTE value is 96. For future projects, ensure that a daily average value for transient occupants is included in the form.

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form includes the required occupant and usage data. The project consists primarily of college/university core learning spaces. The peak users value is 96, the average users value is 96, and the FTE value is 96. However, to demonstrate compliance, the following must be addressed.

**TECHNICAL ADVICE**

1. Transient occupants have not been included in the form. Based on the use of the project, transient visitors to the project space would be common. Provide a narrative and revise the form to ensure that peak and daily average values for all transient occupants have been reported within Table PIF3-3.

**PIf4: Schedule and Overview Documents**

Approved

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form includes the design and construction schedule. The date of substantial completion is May 29, 2015, and the date of occupancy is June 12, 2015. The required documents have been uploaded.

**PIf5: Previously LEED Certified Details**

Approved

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project is not located in a LEED certified building; no portions of the building have been LEED certified.
## Sustainable Sites

### SS1: Site Selection

**Awarded: 5**

05/11/2015 **DESIGN PRELIMINARY REVIEW**

Option 2 - Path 1: Brownfield Redevelopment

The LEED Form states that the project has documented asbestos contamination in the building and that remediation has been achieved at the site to meet residential (unrestricted) use.

One point is awarded.

Option 2 - Path 7: Water Efficient Landscaping - Reduce by 50%

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

Two points are awarded.

Option 2 - Path 8: Water Efficient Landscaping - No Potable Water Use or No Irrigation

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

Two points are awarded.

### SS2: Development Density and Community Connectivity

**Awarded: 6**

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project complies with Option 2: Community Connectivity. It is noted that the list of basic services includes auto-specific services (Best Auto Repair). Services catering primarily to automobiles do not meet the intent of this credit. This issue does not affect compliance because the form and map highlight ten unique, qualifying basic services within one-half mile radius of a main building entrance with the non-qualifying service removed from the list.

### SS1.1: Alternative Transportation - Public Transportation Access

**Awarded: 6**

05/11/2015 **DESIGN PRELIMINARY REVIEW**

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

### SS1.2: Alternative Transportation - Bicycle Storage and Changing Rooms

**Not Attempted**

### SS1.3: Alternative Transportation - Parking Availability

**Awarded: 2**

07/17/2015 **DESIGN FINAL REVIEW**

The additional documentation demonstrates compliance.

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project occupies less than 75% of the base building and is pursuing Case 1 - Option 2.
Free or subsidized parking is not provided for LEED-CI project occupants. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The site plan provided within SSc1: Site Selection indicates that there is a parking lot on the property, and the campus appears to include several additional parking lots. Provide documentation, such as a signed letter from the building owner or manager, demonstrating that the LEED-CI project occupants are not provided with parking spaces/permission to park in any on-site parking areas. Alternately, the project may document an option in Case 2, demonstrating compliance for the entire campus.
The LEED Form states that the project occupants will use fixtures both within and outside of the LEED-CI space. Potable water use in the LEED-CI space has been reduced by 20.37%. The fixtures located outside of the LEED-CI space have been excluded and the project is ineligible for WEc1. The following issues are noted.

1. PFi3: Occupant and Usage Data has not been approved because transient occupants have not been included in the form. This issue does not affect compliance because the fixtures installed in the project space (kitchen sinks) are not expected to be used by transient occupants.

2. The fixture groups have been based on occupant role and gender, whereas fixture groups are meant to define occupant groups (i.e. office, warehouse, retail, etc.) within the project that use a specific subset of flush and flow fixtures. For future submittals, ensure that the fixture groups reflect the various occupant groups within the LEED-CI project that use a specific set of flush and flow fixtures. If the project occupants have similar usage patterns, one fixture usage group may be used to represent the entire project occupancy.

WEc1: Water Use Reduction
POSSIBLE POINTS: 11
Not Attempted
Energy and Atmosphere

EAp1: Fundamental Commissioning of the Building Energy Systems  
Awarded  
02/01/2016 CONSTRUCTION PRELIMINARY REVIEW  
The LEED Form states that fundamental commissioning is complete.

EAp2: Minimum Energy Performance  
Awarded  
11/08/2015 DESIGN APPEAL REVIEW  
The additional documentation states that the project has reduced connected lighting power by 20.34% and that ENERGY STAR-rated equipment and appliances equal to 100%, by rated power, have been installed on the project. It is noted that the task lighting does not qualify for additional LPD allowance, however, the revised lighting compliance documentation provided confirms that the task lighting is exempt per ASHRAE 90.1-2007 9.2.2.3p. When this issue is addressed and the form is recalculated, the documentation demonstrates compliance and that the project has reduced connected lighting power by 23.51%.

07/21/2015 DESIGN FINAL REVIEW  
The additional documentation provided states that the project has reduced connected lighting power by 20.34%. It is noted that the total interior connected lighting power reported in lighting compliance documentation (23,128 W) is inconsistent with that reported in the LEED Form (22,323.69 W). When the form is recalculated, the project has reduced connected lighting power by 17.47%. The documentation demonstrates compliance.

05/11/2015 DESIGN PRELIMINARY REVIEW  
The LEED Form states that the project has reduced connected lighting power by 20.34% and that ENERGY STAR or non-ENERGY STAR eligible equipment and appliances have not been installed on the project. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE  
1. Provide the “Lighting Compliance Documentation” Interactive Compliance Form found at https://www.ashrae.org/File%20Library/docLib/StandardsForms/2007ComplianceForms/20120510_9012007_lighting_forms.pdf. Note that it is optional to complete the “Interior Lighting Power Allowance” Table on the ASHRAE form but completing the remaining sections is required.

EAp3: Fundamental Refrigerant Management  
Awarded  
05/11/2015 DESIGN PRELIMINARY REVIEW  
The LEED Form states that refrigerants are not in the project scope of work.

EAc1.1: Optimize Energy Performance—Lighting Power  
Awarded: 2  
POSSIBLE POINTS: 5  
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 2  
11/08/2015 DESIGN APPEAL REVIEW  
The additional documentation provided states that the project has achieved a 20.34% reduction in connected lighting power. When EAp2: Minimum Energy Performance was recalculated based on the issue noted there, the documentation demonstrates compliance for reducing connected lighting power by 23.51%.

07/21/2015 DESIGN FINAL REVIEW  
The additional documentation provided in EAp2: Minimum Energy Performance demonstrates compliance and that the project has achieved a 17.47% reduction in connected lighting power.

05/11/2015 DESIGN PRELIMINARY REVIEW  
The LEED Form states that the project has achieved a 20.34% reduction in connected lighting power. However, to demonstrate compliance, the following must be addressed.
1. Refer to the comments within EAp2: Minimum Energy Performance and resubmit this credit.

**EAc1.2: Optimize Energy Performance-Lighting Controls**

**Denied**

**POSSIBLE POINTS: 3**

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

**11/08/2015 DESIGN APPEAL REVIEW**

The additional documentation provided states that occupancy sensors have been installed for 75.02% of the project connected lighting load. When EAp2: Minimum Energy Performance was recalculated based on the issue noted there, the total lighting load for the project space for this credit is 18,543.69 W. Therefore, occupancy sensors have been installed for 70.94% of the project connected lighting load. The documentation does not demonstrate compliance.

**07/21/2015 DESIGN FINAL REVIEW**

EAp2: Minimum Energy Performance has been awarded. However, the total installed interior lighting power reported in EAp2 (23,128 W) is inconsistent with the total lighting load for the project space used in the calculation for this credit (17,535.69 W). When the form is recalculated, occupancy sensors have been installed for 56.88% of the project connected lighting load, which does not demonstrate compliance.

**05/11/2015 DESIGN PRELIMINARY REVIEW**

Option C - Occupancy Sensors

The LEED Form states that occupancy sensors have been installed for 75.02% of the project connected lighting load. 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. Ensure that the total lighting load for the project space used in the calculations is consistent with the total installed interior lighting power reported in EAp2: Minimum Energy Performance.

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

**Awarded: 10**

**POSSIBLE POINTS: 10**

**ATTEMPTED: 10, DENIED: 0, PENDING: 0, AWARDED: 10**

**05/26/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project complies with Option 2: Performance Path and has achieved a 32.83% reduction in total HVAC energy cost.

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

**Awarded: 4**

**POSSIBLE POINTS: 4**

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

**11/08/2015 DESIGN APPEAL REVIEW**

The LEED Form states that the project has installed ENERGY STAR-rated equipment and appliances equal to 100%, by rated power.

**EAc2: Enhanced Commissioning**

**Awarded: 5**

**POSSIBLE POINTS: 5**

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

**02/01/2016 CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that enhanced commissioning has been implemented.

**EAc3: Measurement and Verification**

**Awarded: 3**

**POSSIBLE POINTS: 5**

**ATTEMPTED: 3, DENIED: 0, PENDING: 0, AWARDED: 3**

**05/11/2015 DESIGN PRELIMINARY REVIEW**
The LEED Form states that the project complies with Case 1 and has negotiated a lease where energy costs are paid by the tenant and not included in the base rent.

EAc4: Green Power
POSSIBLE POINTS: 5

Not Attempted
**MRp1: Storage and Collection of Recyclables**

**Awarded**

05/11/2015 **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. The project uses a waste hauler that receives commingled recycling and sorts all recyclables off-site.

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

**Awarded: 1**

05/11/2015 **DESIGN PRELIMINARY REVIEW**

The LEED Form states that the LEED-CI project space is owned by the occupant.

**MRc1.2: Building Reuse**

**Not Attempted**

**MRc2: Construction Waste Management**

**Awarded: 1**

02/01/2016 **CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project has diverted 50.43% of the on-site generated construction waste from landfill.

**MRc3.1: Materials Reuse**

**Not Attempted**

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

**Not Attempted**

**MRc4: Recycled Content**

**Awarded: 1**

02/01/2016 **CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that 20.56% of the total building materials content, by value, has been manufactured using recycled materials. The following issues are noted.

1. Spencer Vimocco Casework has been reported with a recycled content of 100% post-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 0% recycled material.

2. Trulite Glass Spacers have been reported with a recycled content of 42.5% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 6% post-consumer and 42.5% pre-consumer material.

3. Carlisle HP-H Polyiso has been reported with a recycled content of 9.6% post-consumer and 16.9% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 16.9% post-consumer and 9.6% pre-consumer material.

4. Carlisle Securock has been reported with a recycled content of 95% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 95% post-consumer material.

When these issues are addressed and the Materials and Resource Calculator is recalculated, 19.91% of the total building materials content, by value, has been manufactured using recycled materials.

**MRc5: Regional Materials**

**Awarded: 1**

02/01/2016 **CONSTRUCTION PRELIMINARY REVIEW**

The following issues are noted.

- 1. Spencer Vimocco Casework has been reported with a recycled content of 100% post-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 0% recycled material.
- 2. Trulite Glass Spacers have been reported with a recycled content of 42.5% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 6% post-consumer and 42.5% pre-consumer material.
- 3. Carlisle HP-H Polyiso has been reported with a recycled content of 9.6% post-consumer and 16.9% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 16.9% post-consumer and 9.6% pre-consumer material.
- 4. Carlisle Securock has been reported with a recycled content of 95% pre-consumer, whereas the provided manufacturer's documentation indicates that this material is composed of 95% post-consumer material.

When these issues are addressed and the Materials and Resource Calculator is recalculated, 19.91% of the total building materials content, by value, has been manufactured using recycled materials.
The LEED Form states that 55.43% of the total building materials value includes materials and products that have been manufactured within 500 miles of the project site. It is noted that the Sargent products have been reported as 100% regionally manufactured, but the provided manufacturer's documentation indicates that these products are manufactured in Monroe, NC, which is more than 500 miles from the project. When this issue is addressed and the Materials and Resource Calculator is recalculated, 52.79% of the total building materials value includes materials and products that have been manufactured within 500 miles of the project site.

**MRc6: Rapidly Renewable Materials**

**POSSIBLE POINTS:** 1

**Not Attempted**

**MRc7: Certified Wood**

**POSSIBLE POINTS:** 1

**Not Attempted**
Indoor Environmental Quality

IEQp1: Minimum Indoor Air Quality Performance
Awarded

05/22/2015 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.

IEQp2: Environmental Tobacco Smoke (ETS) Control
Awarded

05/11/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project space is located in a building that prohibits smoking by all occupants and users and that smoking is prohibited within 25 feet of entries, outdoor air intakes, and operable windows.

IEQc1: Outdoor Air Delivery Monitoring
Awarded: 1

05/11/2015 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.

IEQc2: Increased Ventilation
Awarded: 1

05/22/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project is mechanically ventilated and that the breathing zone outdoor air ventilation rates to all occupied spaces have been increased by at least 30% above the minimum rates required by ASHRAE 62.1-2007.

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

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project reduces air quality problems resulting from construction to promote the comfort and well-being of construction workers and building occupants.

IEQc3.2: Construction IAQ Management Plan-Before Occupancy
Awarded: 1

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that an Indoor Air Quality (IAQ) Management Plan was developed and implemented and that the project complies with Option 1, Path 1: Pre-occupancy flush-out.

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

02/16/2016 CONSTRUCTION FINAL REVIEW

The revised LEED Form demonstrates compliance.
02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that all adhesive and sealant 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. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide a revised form that has been signed by a project team member.

IEQc4.2: Low-Emitting Materials-Paints and Coatings Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/16/2016 CONSTRUCTION FINAL REVIEW

The revised LEED Form demonstrates compliance.

02/01/2016 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. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide a revised form that has been signed by a project team member.

IEQc4.3: Low-Emitting Materials-Flooring Systems Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that all interior flooring materials meet or exceed applicable criteria for the Carpet and Rug Institute, South Coast Air Quality Management District, the California Department of Health Standard, or FloorScore; the carpet adhesives used have a VOC level of less than 50 g/L; all floor finishes meet the requirements of SCAQMD Rule 1113; and all tile setting adhesives and grout meet SCAQMD Rule 1168.

IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that all composite wood and agrifiber products used on the interior of the building and all laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies contain no added urea-formaldehyde resins.

IEQc4.5: Low-Emitting Materials-Systems Furniture and Seating Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the systems furniture and seating that were manufactured, refurbished, or refinished within one year prior to occupancy were Greenguard Indoor Air Quality Certified or had calculated indoor air concentrations less than or equal to those within ANSI/BIFMA X7.1-2007 testing protocol (conducted in an independent third-party air quality testing laboratory) at the time of manufacture.

IEQc5: Indoor Chemical and Pollutant Source Control Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

05/11/2015 DESIGN PRELIMINARY REVIEW
The LEED Form states that the project has been designed to minimize building occupant exposure to particulates, biological contaminants, and chemical pollutants that degrade air and water quality. The project has selected the Licensed Professional Exemption (LPE). It is noted that the Team Administration tab indicates that the license for John Andrew Dredger expired on 3/31/2013. This issue does not affect compliance because documentation detailing the separation and pressurization of spaces where hazardous gases may be present has been provided. For future projects, ensure that the LPE has been claimed by an individual with a professional license that is in good-standing at the time the LPE was claimed on the Credit Form.

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

**Denied**

**07/21/2015 DESIGN FINAL REVIEW**

The revised LEED Form and additional documentation state that lighting controls are provided for 100% of building occupants and 100% of shared multi-occupant spaces to enable adjustments that meet needs and preferences. However, it does not demonstrate compliance because the form indicates that the Students space includes four individual workspaces, whereas the provided plans show 44 study carrel workstations. Each Students space appears to have two three-way switches. When recalculated to address this issue, lighting controls are provided for 71.64% of building occupants. At least 90% is required. The documentation does not demonstrate compliance.

**05/11/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that lighting controls are provided for 100% of building occupants and 100% of shared multi-occupant spaces to enable adjustments that meet needs and preferences. However, to demonstrate compliance, the following must be addressed.

**TECHNICAL ADVICE**

1. The Students spaces appear to be inappropriately classified as shared multi-occupant spaces because they appear to contain study carrel workstations. In individual occupant spaces, workers use standard workstations to conduct individual tasks. Examples are private offices and open office areas with multiple workers. Shared multi-occupant spaces include conference rooms, classrooms, and other indoor spaces used as places of congregation. Provide a narrative describing the activities that take place within the Students spaces. Revise the form and documentation to ensure that spaces are appropriately classified. Spaces must be classified consistently throughout all submittal documentation. Additionally, the IEQ Space Matrix (http://www.usgbc.org/resources/eq-space-type-matrix) provides information regarding the classification of individual occupant and shared multi-occupant for most space types encountered within buildings.

**IEQc6.2: Controllability of Systems-Thermal Comfort**

**Not Attempted**

**IEQc7.1: Thermal Comfort-Design**

**Awarded: 1**

**05/11/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that the mechanically ventilated and mechanically conditioned project space is in compliance with ASHRAE 55-2004.

**IEQc7.2: Thermal Comfort-Verification**

**Awarded: 1**

**05/11/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that a permanent monitoring system will be installed and a thermal comfort survey of building occupants will be conducted between six and 18 months after occupancy.

**IEQc8.1: Daylight and Views-Daylight**

**Not Attempted**

**IEQc8.2: Daylight and Views-Views for Seated Spaces**

**Awarded: 1**
07/17/2015 DESIGN FINAL REVIEW

The additional documentation demonstrates compliance for providing direct line of sight views from 93.93% of all regularly occupied spaces.

05/11/2015 DESIGN PRELIMINARY REVIEW

The LEED Form states that the project has provided direct line of sight views from 93.93% of all regularly occupied spaces. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Equipment Room 290A has been included in the calculations, but Future Equipment Room 290B and Equipment 390 have not been included. It is unclear that these spaces are regularly occupied. Provide a narrative describing the function and reason for including Equipment Room 290A as regularly occupied spaces and excluding Equipment Room 290B and Equipment 390. Non-regularly occupied spaces are spaces that occupants pass through or spaces used in pursuit of focused activities for less than one hour per person per day (on average). Provide a revised calculation spreadsheet and updated project drawings to include only regularly occupied spaces and to ensure that all regularly occupied spaces are included. Refer to the IEQ Space Matrix on the USGBC website for additional information regarding space type classification.
**Innovation in Design**

**IDc1.1: Innovation in Design**
- **POSSIBLE POINTS:** 1
- **Not Attempted**

**IDc1.2: Exemplary Performance EA 1.4**
- **Awarded:** 1
- **Optimize Energy Performance- Equipment and Appliances**
- **POSSIBLE POINTS:** 1
- **ATTAINED:** 1, **DENIED:** 0, **PENDING:** 0, **AWARDED:** 1

**02/01/2016 CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project achieves exemplary performance for EA 1.4: Optimize Energy Performance- Equipment and Appliances. The requirement for exemplary performance is 97% and the project has documented 100%.

**IDc1.2: Innovation in Design**
- **POSSIBLE POINTS:** 1
- **Not Attempted**

**IDc1.3: Exemplary Performance SS 3.1 Alt**
- **Awarded:** 1
- **Transport Public Transit**
- **POSSIBLE POINTS:** 1
- **ATTAINED:** 1, **DENIED:** 0, **PENDING:** 0, **AWARDED:** 1

**05/11/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project achieves exemplary performance for SS 3.1: Alternative Transportation - Public Transportation Access. The project location has double the transit lines required for the base credit and the total frequency is 800 rides per day.

**IDc1.3: Innovation in Design**
- **POSSIBLE POINTS:** 1
- **Not Attempted**

**IDc1.4: Green Building Education**
- **Awarded:** 1

**07/17/2015 DESIGN FINAL REVIEW**

The additional documentation demonstrates compliance.

**05/11/2015 DESIGN PRELIMINARY REVIEW**

The LEED Form states that the project team has developed and implemented a Public Education program. This strategy is detailed in the LEED ID+C v2009 Reference Guide. The documentation provided for the development of guided tours complies with the Reference Guide requirements. However, to demonstrate compliance, the following must be addressed.

**TECHNICAL ADVICE**

1. Although the case study includes a list of the points that the project is pursuing, it does not appear to be focused on the project space. Provide a revised case study that highlights the successes of this project in each of the LEED categories.

**IDc1.4: Innovation in Design**
- **POSSIBLE POINTS:** 1
- **Not Attempted**

**IDc1.5: Innovation in Design**
- **POSSIBLE POINTS:** 1
- **Not Attempted**
IDc2: LEED® Accredited Professional  Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/01/2016 CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that a LEED AP has been a participant on the project development team.
Regional priority

EAc1.3: Optimize Energy Performance-HVAC
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

MRc5: Regional Materials
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1
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