



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®).

Campus Science Park Building D+E

Project ID 1000103354
Rating system & version LEED V4 BD+C: CS
Project registration date 10/30/2017



Construction Final Review Decision

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

LEED V4 BD+C: CORE AND SHELL

ATTEMPTED: 64, DENIED: 2, PENDING: 0, AWARDED: 64 OF 130 POINTS

INTEGRATIVE PROCESS 0 OF 1

Integrative Process 0 / 1

LOCATION AND TRANSPORTATION 15 OF 40

LEED for Neighborhood Development Location 0 / 20
Sensitive Land Protection 0 / 2
High Priority Site 0 / 3
Surrounding Density and Diverse Uses 6 / 6
Access to Quality Transit 6 / 6
Bicycle Facilities 1 / 1
Reduced Parking Footprint 1 / 1
Green Vehicles 1 / 1

SUSTAINABLE SITES 5 OF 11

Construction Activity Pollution Prevention Y
Site Assessment 1 / 1
Site Development - Protect or Restore Habitat 0 / 2
Open Space 1 / 1
Rainwater Mgmt 0 / 3
Heat Island Reduction 1 / 2
Light Pollution Reduction 1 / 1
Tenant Design and Construction Guideline 1 / 1

WATER EFFICIENCY 6 OF 11

Outdoor Water Use Reduction Y
Outdoor Water Use Reduction 2 / 2
Indoor Water Use Reduction Y
Indoor Water Use Reduction 3 / 6
Building-Level Water Metering Y
Cooling Tower Water Use 0 / 2
Water Metering 1 / 1

ENERGY AND ATMOSPHERE 19 OF 33

Fundamental Commissioning and Verification Y
Minimum Energy Performance Y
Optimize Energy Performance 9 / 18
Building-Level Energy Metering Y
Fundamental Refrigerant Mgmt Y
Enhanced Commissioning 6 / 6
Advanced Energy Metering 1 / 1
Demand Response 1 / 2
Renewable Energy Production 1 / 3
Enhanced Refrigerant Mgmt 1 / 1
Green Power and Carbon Offsets 0 / 2

MATERIALS AND RESOURCES 6 OF 14

Storage and Collection of Recyclables Y
Construction and Demolition Waste Mgmt Planning Y
Building Life-Cycle Impact Reduction 3 / 6
Product disclosure & optimization - Environmental Product Declarations 1 / 2
Product disclosure & optimization - Sourcing of Raw Materials 0 / 2
Product disclosure & optimization - Material Ingredients 0 / 2
Construction and Demolition Waste Mgmt 2 / 2

INDOOR ENVIRONMENTAL QUALITY 5 OF 10

Minimum IAQ Performance Y
Environmental Tobacco Smoke Control Y
Enhanced IAQ Strategies 2 / 2
Low-Emitting Materials 1 / 3
Construction IAQ Mgmt Plan 1 / 1
Daylight 0 / 3
Quality Views 1 / 1

INNOVATION 5 OF 6

Innovation 4 / 5
LEED Accredited Professional 1 / 1

REGIONAL PRIORITY CREDITS 3 OF 4

Reduced Parking Footprint 1 / 1
Light Pollution Reduction 1 / 1
Optimize Energy Performance 1 / 1

TOTAL 64 OF 130



Project Information

Project Information

Awarded

DESIGN PRELIMINARY REVIEW

The Project Information has been completed and the supporting documentation has been provided.

It is noted that occupancy information has not been provided in the form or narrative as requested. In this case, the occupancy provided in WEp Water Use Reduction is assumed to be accurate. Compliance is not affected.



Integrative Process

Integrative Process
POSSIBLE POINTS: 1

Not Attempted



Location And Transportation

LEED for Neighborhood Development Location
POSSIBLE POINTS: 20

Not Attempted

Sensitive Land Protection
POSSIBLE POINTS: 2

Not Attempted

High Priority Site
POSSIBLE POINTS: 3

Not Attempted

Surrounding Density and Diverse Uses
POSSIBLE POINTS: 6
ATTEMPTED: 6, DENIED: 0, PENDING: 0, AWARDED: 6

Awarded : 6

DESIGN PRELIMINARY REVIEW

Option 1: Surrounding Density

Awarded.

Option 2: Diverse Uses

Awarded.

Access to Quality Transit
POSSIBLE POINTS: 6

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

Awarded : 6

DESIGN PRELIMINARY REVIEW

Awarded.

Bicycle Facilities
POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Reduced Parking Footprint
POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Green Vehicles
POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Option 1: Electrical Vehicle Charging / Discounted Parking

Awarded.

It is noted that one of the electric vehicle charging stations appears to be located in a handicapped parking space. Electric vehicle charging stations may not be combined with handicapped parking spaces for the purposes of credit calculations. Compliance is not affected by this issue.



Sustainable Sites

Construction Activity Pollution Prevention

Awarded

CONSTRUCTION PRELIMINARY REVIEW

EPA Construction General Permit

Awarded.

Site Assessment

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Site Development - Protect or Restore Habitat

POSSIBLE POINTS: 2

Not Attempted

Open Space

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Rainwater Management

POSSIBLE POINTS: 3

Not Attempted

Heat Island Reduction

POSSIBLE POINTS: 2

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Light Pollution Reduction

POSSIBLE POINTS: 1

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Uplight: Option 2, Calculation Method

Awarded.

Light Trespass: Option 2, Calculation Method

Awarded.

DESIGN FINAL REVIEW

Uplight: Option 2, Calculation Method

Awarded.

Light Trespass: Option 2, Calculation Method

Awarded.

DESIGN PRELIMINARY REVIEW

Uplight: Option 2, Calculation Method

Awarded.

Light Trespass: Option 2, Calculation Method

1. The point-by-point exterior site photometric has not been provided / indicated on the site plan.

Provide a revised photometric site plan that indicates the LEED Project Boundary, lighting boundary, and exterior site photometric showing the point-by-point foot calculation illustrating the worst-case scenario of vertical illuminance for each luminaire as it crosses the lighting boundary. in order to confirm compliance with the illuminance requirements of MLO LZ3.

Tenant Design and Construction Guideline

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.



Water Efficiency

Outdoor Water Use Reduction

Awarded

DESIGN PRELIMINARY REVIEW

Option 2: Reduced Irrigation

Awarded.

Outdoor Water Use Reduction

Awarded : 2

POSSIBLE POINTS: 2

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

DESIGN PRELIMINARY REVIEW

Option 2: Reduced Irrigation, 100%

Awarded.

Indoor Water Use Reduction

Awarded

DESIGN FINAL REVIEW

Usage-based Calculation, 38.03%

Awarded.

DESIGN PRELIMINARY REVIEW

Usage-based Calculation, 41.72%

1. The percent of males expected to use restrooms with urinals in the Indoor Water Use Calculator is listed as 100% and has not been adjusted to reflect the male occupants' use of the unisex / male restrooms without urinals that are shown on the floor plans (WC Disabled: 306, 328, 405, 428, 706, 729).

Provide the following:

a. A revised Indoor Water Use Calculator with the percent of males expected to use restrooms with urinals adjusted to account for the male occupants' use of the restrooms without urinals.

b. A narrative to explain any special circumstances.

2. The Tenant Lease and Sales Agreement is not binding, therefore the project may not include additional water savings from future tenant installed fixtures.

Provide a revised calculator that documents the Kitchen Sink as tenant-neutral (8.30 lpm).

Indoor Water Use Reduction

Awarded : 3

POSSIBLE POINTS: 6

ATTEMPTED: 3, DENIED: 1, PENDING: 0, AWARDED: 3

DESIGN FINAL REVIEW

Usage-based Calculation, 38.03%

Awarded.

DESIGN PRELIMINARY REVIEW

Usage-based Calculation, 41.72%

1. WEp Indoor Water Use Reduction is pending clarifications.

Refer to the comments within the prerequisite and resubmit this credit.

Building-Level Water Metering

Awarded

DESIGN PRELIMINARY REVIEW

Awarded.

Cooling Tower Water Use
POSSIBLE POINTS: 2

Withdrawn

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.



Fundamental Commissioning and Verification

Awarded

CONSTRUCTION FINAL REVIEW

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

1. The commissioning report executive summary has been provided. However, the provided executive summary does not include a summary of issues corrected, and a list of major outstanding/unresolved issues.

Provide a revised commissioning report executive summary and ensure it includes a summary of issues corrected, and a list of major outstanding/unresolved issues.

Minimum Energy Performance

Awarded

DESIGN FINAL REVIEW

The LEED Form has been revised and states that the project has achieved an energy cost savings of 20.15%. The total predicted annual energy consumption for the project is 780,349 kWh/year of electricity and 319,316 kWh/year of natural gas.

DESIGN PRELIMINARY REVIEW

Modeled energy cost savings of 22.2% have been claimed with Option 1: Whole Building Energy Simulation. However, to demonstrate compliance, the following comments requiring a project response (marked as Mandatory) must be addressed for the Final Review.

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. It is not clear if the project analyzed efficiency measures during the design process and accounted for the results in design decision making.

Provide documentation of the efficiency measures that were analyzed during the design process and the analysis method was used, and describe how these results were accounted for in the decision making.

3. It is not clear whether the window U-value of 1.05 in SI unit used for the Proposed Case accounts for the impact of the window frames on the whole assembly as required by the ASHRAE modeling protocol.

Provide information to confirm that the framed assembly U-value was used for the Proposed Case windows (such as: showing that the whole window assembly has been tested by NFRC; verifying that LBNL Window 6 calculations have been provided for the whole assembly; or verifying that the frame effects are captured within the energy modeling software). Alternatively, revise the model referencing ASHRAE 90.1-2010 Table A8.2. Provide input reports for verification.

4. An energy savings of 12% have been reported for interior lighting power. However, based on the interior lighting power densities reported in the Minimum Energy Performance Calculator, the project should achieve a lighting energy saving of 4.88%.

Ensure that the values reflected in the Performance Lighting tab appropriately reflect the modeled lighting power density. Revise the models and update the Minimum Energy Performance Calculator. Provide a narrative to substantiate the claimed interior lighting savings. Provide input reports for verification.

5. The Minimum Energy Performance Calculator indicates that a Baseline pressure drop adjustment of:

a. 125 Pa has been taken for return or exhaust airflow control devices. ASHRAE 90.1 Section 6.5.3.1.1 Exception (a) states that hospital and laboratory systems that utilize flow control devices on exhaust and/or return to maintain space pressure relationships necessary for occupant health and safety or environmental control may use variable-volume fan power limitations. These controls are what are referenced as "return and/or exhaust airflow control devices" in Table 6.5.3.1.1B. Additionally, page 6-86 of the ASHRAE 90.1-2010 User's Manual, airflow control devices are typically installed at both the supply and exhaust delivery points, in order to maintain a negative or positive space pressure, relative to surrounding spaces. Buildings such as laboratories, test rooms, and operating rooms often require this type of pressure control. Based on the mechanical drawings provided in PI Project Information, the project does not appear to include these types of return/exhaust control devices.

b. 38 Pa has been taken for sound attenuator section. Based on the mechanical drawings provided in PI Project Information, it does not appear that sound attenuator section has been provided in the as-designed HVAC units; therefore, this pressure credit may not be taken in the Baseline Case. If the DOAS unit has sound attenuation, then documentation must be provided to verify this device, and only the outdoor air flow rate may be used in the calculations.

For each of the pressure credits claimed, provide additional documentation, such as mechanical drawings, that clearly show these features in the as-designed building. Update the Minimum Energy Performance Calculator and the model to reflect revised fan powers.

6. It is not clear whether the Baseline equipment capacities were based on sizing runs and oversized by 15% for cooling in accordance with Section G3.1.2.2 v4 Calculator indicates lower capacities for the Baseline Case.

Update the model, update the applicable capacity ranges in the Minimum Energy Performance Calculator for the systems used in the Baseline Case (consistent with the ranges listed in Tables 6.8.1A through 6.8.1K), and update the Minimum Energy Performance Calculator to reflect any changes made. Additionally, provide input reports or screenshots to verify compliance.

7. The Air-Side HVAC tab of the v4 Calculator indicates that four air handler units were modeled for System Type #7 in the Baseline Case. Note that per G3.1.1, all Baseline VAV systems (Systems 5-8) should be modeled with one HVAC system per floor. Revise the Baseline energy model to reflect one VAV system per floor. Provide software input reports to verify compliance.

8. The Minimum Energy Performance Calculator indicates that outside airflow rates have been modeled identically in the Baseline and Proposed Case buildings (as designed). However, Section G3.1.2.6 exception c requires that, when the minimum outdoor air intake flow in the Proposed Case is greater than the amount required by the rating authority or building official (see Eqp Minimum Indoor Air Quality Performance for ASHRAE 62.1-2010 calculations for the outdoor airflow rate required by the rating authority - GBCI), the Baseline be modeled with the minimum amount required by the rating authority, which is equal to the rates determined in Eqp Minimum Indoor Air Quality Performance. In the case of this building, it appears that the Air Handling Units provide outdoor airflow rates that significantly exceed ASHRAE 62.1-2010 minimums (note that 30% increased ventilation, if pursued within EQc Enhanced IAQ Strategies, should not be modeled in the Baseline Case building).

Update the Baseline models to comply with this requirement, update the Air-Side HVAC tab, and provide input reports to verify compliance.

9. The energy savings reported for heating do not appear to be substantiated because the Proposed Case boiler efficiency is only 18% better than the Baseline Case and energy recovery is modeled in both the Proposed and Baseline cases. It is not clear if the improved envelope is sufficient to justify the 72% heating energy savings reported.

After making all required changes to the models, provide an accompanying narrative to justify the reported energy savings. It is recommended that the project team include a list of energy efficiency measures, and their approximate contribution to the space heating savings claimed. provide input reports to verify compliance.

Optimize Energy Performance

POSSIBLE POINTS: 18

ATTEMPTED: 9, DENIED: 1, PENDING: 0, AWARDED: 9

Awarded : 9

DESIGN FINAL REVIEW

Additional documentation has been provided for EAp2: Minimum Energy Performance claiming an energy cost savings of 20.15%.

DESIGN PRELIMINARY REVIEW

1. Refer to the comments within EAp Minimum Energy Performance and resubmit this credit.

Building-Level Energy Metering

Awarded

DESIGN PRELIMINARY REVIEW

Awarded.

Fundamental Refrigerant Management

Awarded

DESIGN PRELIMINARY REVIEW

Awarded.

Enhanced Commissioning

POSSIBLE POINTS: 6

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

Awarded : 6

CONSTRUCTION FINAL REVIEW

Option 1: Enhanced Systems Commissioning Path 2, Enhanced and Monitoring-Based Commissioning

Awarded.

Option 2: Envelope Commissioning

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

Option 1: Enhanced Systems Commissioning Path 2, Enhanced and Monitoring-Based Commissioning

1. Refer to the comments within EAp Fundamental Commissioning and Verification and resubmit this credit.

Option 2: Envelope Commissioning

1. Refer to the comments within EAp Fundamental Commissioning and Verification and resubmit this credit.

Advanced Energy Metering

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Awarded.

Demand Response

POSSIBLE POINTS: 2

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Case 2. Demand response program not available

Awarded.

Renewable Energy Production

POSSIBLE POINTS: 3

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

Awarded : 1

DESIGN FINAL REVIEW

The additional documentation provided for EAp2: Minimum Energy Performance demonstrates compliance and the LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and that the project has offset 1.05% of the total energy costs through renewable energy generated on-site.

DESIGN PRELIMINARY REVIEW

1. Refer to the comments within EAp Minimum Energy Performance and resubmit this credit.

Enhanced Refrigerant Management

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Option 2. Calculation of Refrigerant Impact

Awarded.

Green Power and Carbon Offsets

POSSIBLE POINTS: 2

Not Attempted



Materials And Resources

Storage and Collection of Recyclables

Awarded

DESIGN PRELIMINARY REVIEW

Awarded.

Construction and Demolition Waste Management Planning

Awarded

CONSTRUCTION FINAL REVIEW

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

1. The construction waste management plan (CWMP) does not address alternative daily cover (ADC).

Provide a narrative addressing whether the recycling facilities used alternative daily cover (ADC) and considered it recycled content in their reporting. Note that any ADC produced by the facilities is to be included in the final waste report as landfill waste. Confirm that ADC has been included as waste in the submitted final waste report. Revise the form, as necessary.

Building Life-Cycle Impact Reduction

POSSIBLE POINTS: 6

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

Awarded : 3

DESIGN PRELIMINARY REVIEW

Option 4: Whole-building Life-cycle Assessment

Awarded.

Building Product Disclosure and Optimization - Environmental Product Declarations

POSSIBLE POINTS: 2

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

Awarded : 1

CONSTRUCTION FINAL REVIEW

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

Option 1: Environmental Product Declaration

1. The EPDs provided for the Cetris Cement bonded Particle Board and Pluvitec Tech 1000 Felexible Bitumen do not confirm that the LCAs have a cradle-to-gate scope. All EPDs must include a cradle-to-gate scope.

Provide either new documentation highlighting that all products include a cradle-to-gate scope or revise the BPDO calculator to reclassify these products.

2. The Rockwool Stone Wool Insulation products (lines 30-31) appear to be variations of the same product, and therefore it is unclear if they can be considered two separate products. Refer to the following resource for more information regarding how to classify a product: <http://www.usgbc.org/resources/does-item-count-product>.

Provide a narrative and adjust the MR Calculator as necessary, so this product type is counted once, as necessary.

3. The Rigips Plasterboard products (lines 24-26) appear to be variations of the same product, and therefore it is unclear if they can be considered three separate products. Refer to the following resource for more information regarding how to classify a product: <http://www.usgbc.org/resources/does-item-count-product>.

Provide a narrative and adjust the MR Calculator as necessary, so this product type is counted once, as necessary.

Building Product Disclosure and Optimization - Sourcing of Raw Materials

POSSIBLE POINTS: 2

Withdrawn

Building Product Disclosure and Optimization - Material

Withdrawn

Construction and Demolition Waste Management

Awarded : 2

POSSIBLE POINTS: 2

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

CONSTRUCTION FINAL REVIEW

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

Option 1. Diversion, Path 2

1. MRp Construction and Demolition Waste Management Planning is pending clarifications.

Refer to the comments within the prerequisite and resubmit this credit.

2. It is not clear if alternative daily cover (ADC) has been included as landfill waste in the calculations, as required.

Provide a narrative confirming that ADC has been included as waste rather than as diverted and address the issue regarding ADC outlined in the associated prerequisite; if necessary, revise the documentation so the calculations exclude ADC.



Indoor Environmental Quality

Minimum Indoor Air Quality Performance

Awarded

DESIGN PRELIMINARY REVIEW

Option 2. CEN Standards EN 15251—2007 and EN 13779—2007

Awarded.

Environmental Tobacco Smoke Control

Awarded

DESIGN PRELIMINARY REVIEW

Awarded.

Enhanced Indoor Air Quality Strategies

POSSIBLE POINTS: 2

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

Awarded : 2

DESIGN PRELIMINARY REVIEW

Option 1. Enhanced IAQ strategies

Awarded.

Option 2. Additional enhanced IAQ strategies

Awarded.

Low-Emitting Materials

POSSIBLE POINTS: 3

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

Awarded : 1

CONSTRUCTION FINAL REVIEW

Awarded.

CONSTRUCTION PRELIMINARY REVIEW

1. Adequate manufacturer testing documentation has not been provided.

Provide the VOC content data for the Hilti Fireproof acrylic sealant 606.

2. The Low-Emitting Materials Calculator has not been completed for all wet-applied products.

Provide a revised Calculator (VOC Content section) that includes the volume used for every wet-applied product. Alternatively, the "volume used" column may be completed for enough of the wet-applied products to determine budget compliance.

3. The following adhesives/sealants/wet-applied products have been entered into the calculator incorrectly, as the VOC Content Emissions Criteria selection has not been selected: PE Foil, PU Sealant, Sika Waterproofing Screed, Mapei Mapesil AC, Mapai Mapesil LM, Mapei Keracolor FF, Baunit DuoContact Adhesive, Mapei Adesilex P10, Merbau-interier Adhesive for Wooden Cladding, Xella Baustoffe GmbH Adhesive, Knauf Gips Uniflott Adhesive for Plasterboards, Rokospol Rokotmel Adhesive, Tremco Illbruck CT113, Tremco Illbruck OS 111, and Sikasil C.

Revise the calculator to categorize the "Emissions Criteria" for these products as "General emissions evaluation and VOC Content" and revise the VOC Content for these products as, as necessary.

Construction Indoor Air Quality Management Plan

POSSIBLE POINTS: 1

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Awarded.

Daylight

POSSIBLE POINTS: 3

Withdrawn

Quality Views

POSSIBLE POINTS: 1

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

Awarded : 1**DESIGN PRELIMINARY REVIEW**

Awarded.



Innovation

Innovation

POSSIBLE POINTS: 5

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

Awarded : 4

DESIGN PRELIMINARY REVIEW

Innovation: Green Building Education

The LEED Form states that the project team has developed and implemented a Public Education program. This strategy is detailed in the LEED BD+C v2009 Reference Guide. The documentation provided for the development of a case-study and guided tours complies with the Reference Guide requirements.

One point is awarded.

Exemplary Performance: Quality Views

The project achieves exemplary performance for EQc Quality Views. The requirement for exemplary performance is 90% and the project has documented 93.72%.

One point is awarded.

Pilot Credit: No cooling Tower

Awarded.

Two points are awarded.

LEED Accredited Professional

POSSIBLE POINTS: 1

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Awarded.



Regional priority credits

Sensitive Land Protection

POSSIBLE POINTS: 1

Reduced Parking Footprint

POSSIBLE POINTS: 1

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

Site Development - Protect or Restore Habitat

POSSIBLE POINTS: 1

Rainwater Management

POSSIBLE POINTS: 1

Light Pollution Reduction

POSSIBLE POINTS: 1

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

Optimize Energy Performance

POSSIBLE POINTS: 1

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

TOTAL

130

64

2

0

64

REVIEW SUMMARY

Review			POINTS:			
	SUBMITTED	RETURNED	SUBMITTED	DENIED	PENDING	AWARDED
Design Preliminary	12/14/2017	01/27/2018	53	0	17	35

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Project Information	Anticipated		0	0	0	0
Surrounding Density and Diverse Uses	Anticipated	Design	6	0	0	6
Access to Quality Transit	Anticipated	Design	6	0	0	6
Bicycle Facilities	Anticipated	Design	1	0	0	1
Reduced Parking Footprint	Anticipated	Design	2	0	0	2
Green Vehicles	Anticipated	Design	1	0	0	1
Site Assessment	Anticipated	Design	1	0	0	1
Open Space	Anticipated	Design	1	0	0	1
Heat Island Reduction	Anticipated	Design	1	0	0	1
Light Pollution Reduction	Pending	Design	2	0	1	0
Tenant Design and Construction Guideline	Anticipated	Design	1	0	0	1
Outdoor Water Use Reduction	Anticipated	Design	0	0	0	0
Outdoor Water Use Reduction	Anticipated	Design	2	0	0	2
Indoor Water Use Reduction	Pending	Design	0	0	0	0
Indoor Water Use Reduction	Pending	Design	4	0	4	0
Building-Level Water Metering	Anticipated	Design	0	0	0	0
Water Metering	Anticipated	Design	1	0	0	1
Minimum Energy Performance	Pending	Design	0	0	0	0
Optimize Energy Performance	Pending	Design	11	0	11	0
Building-Level Energy Metering	Anticipated	Design	0	0	0	0
Fundamental Refrigerant Management	Anticipated	Design	0	0	0	0
Advanced Energy Metering	Anticipated	Design	1	0	0	1
Renewable Energy Production	Pending	Design	1	0	1	0
Enhanced Refrigerant Management	Anticipated	Design	1	0	0	1
Storage and Collection of Recyclables	Anticipated	Design	0	0	0	0
Building Life-Cycle Impact Reduction	Anticipated	Design	3	0	0	3
Minimum Indoor Air Quality Performance	Anticipated	Design	0	0	0	0
Environmental Tobacco Smoke Control	Anticipated	Design	0	0	0	0
Enhanced Indoor Air Quality Strategies	Anticipated	Design	2	0	0	2
Quality Views	Anticipated	Design	1	0	0	1
Innovation	Anticipated	Design	4	0	0	4

Design Final

03/13/2018

04/03/2018

16**2****0****15****Credit**

	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Light Pollution Reduction	Anticipated	Design	2	0	0	1
Indoor Water Use Reduction	Anticipated	Design	0	0	0	0
Indoor Water Use Reduction	Anticipated	Design	3	1	0	3
Minimum Energy Performance	Anticipated	Design	0	0	0	0
Optimize Energy Performance	Anticipated	Design	10	1	0	10
Renewable Energy Production	Anticipated	Design	1	0	0	1

Construction Preliminary**11/13/2018****12/07/2018****15****0****10****5**

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Construction Activity Pollution Prevention	Awarded	Construction	0	0	0	0
Light Pollution Reduction	Awarded	Design	2	0	0	2
Fundamental Commissioning and Verification	Pending	Construction	0	0	0	0
Enhanced Commissioning	Pending	Construction	6	0	6	0
Demand Response	Awarded	Construction	1	0	0	1
Construction and Demolition Waste Management Planning	Pending	Construction	0	0	0	0
Building Product Disclosure and Optimization - Environmental Product Declarations	Pending	Construction	1	0	1	0
Construction and Demolition Waste Management	Pending	Construction	2	0	2	0
Low-Emitting Materials	Pending	Construction	1	0	1	0
Construction Indoor Air Quality Management Plan	Awarded	Construction	1	0	0	1
LEED Accredited Professional	Awarded	Construction	1	0	0	1

Construction Final

02/28/2019

03/20/2019

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Credit

	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Fundamental Commissioning and Verification	Awarded	Construction	0	0	0	0
Enhanced Commissioning	Awarded	Construction	6	0	0	6
Construction and Demolition Waste Management Planning	Awarded	Construction	0	0	0	0
Building Product Disclosure and Optimization - Environmental Product Declarations	Awarded	Construction	1	0	0	1
Construction and Demolition Waste Management	Awarded	Construction	2	0	0	2
Low-Emitting Materials	Denied	Construction	1	1	0	0