

1456 - Connie & Kevin Chou Hall

The WELL Building Standard v1.0 (Q3 2017)

New and Existing Buildings

Final WELL Report

Date: 06/25/2019



41 Preconditions Available
 41 Preconditions Attempted
 41 Preconditions Achieved
 0 Preconditions Not Achieved

59 Optimizations Available
 0 Optimizations Attempted
 0 Optimizations Achieved
 0 Optimizations Not Achieved

24 Optimizations = Gold, 48 Optimizations = Platinum

AIR		
Achieved	P	1 Air Quality Standards
Achieved	P	2 Smoking Ban
Achieved	P	3 Ventilation Effectiveness
Achieved	P	4 VOC Reduction
Achieved	P	5 Air Filtration
Achieved	P	6 Microbe And Mold Control
Achieved	P	7 Construction Pollution Management
Achieved	P	8 Healthy Entrance
Achieved	P	9 Cleaning Protocol
Achieved	P	10 Pesticide Management
Achieved	P	11 Fundamental Material Safety
Achieved	P	12 Moisture Management
Feature not attempted	O	13 Air Flush
Feature not attempted	O	14 Air Infiltration Management
Feature not attempted	O	15 Increased Ventilation
Feature not attempted	O	16 Humidity Control
Feature not attempted	O	17 Direct Source Ventilation
Feature not attempted	O	18 Air Quality Monitoring And Feedback
Feature not attempted	O	19 Operable Windows
Feature not attempted	O	20 Outdoor Air Systems
Feature not attempted	O	21 Displacement Ventilation
Feature not attempted	O	22 Pest Control
Feature not attempted	O	23 Advanced Air Purification
Feature not attempted	O	24 Combustion Minimization
Feature not attempted	O	25 Toxic Material Reduction
Feature not attempted	O	26 Enhanced Material Safety
Feature not attempted	O	27 Antimicrobial Surfaces
Feature not attempted	O	28 Cleanable Environment
Feature not attempted	O	29 Cleaning Equipment

WATER		
Achieved	P	30 Fundamental Water Quality
Achieved	P	31 Inorganic Contaminants
Achieved	P	32 Organic Contaminants
Achieved	P	33 Agricultural Contaminants
Achieved	P	34 Public Water Additives
Feature not attempted	O	35 Periodic Water Quality Testing
Feature not attempted	O	36 Water Treatment
Feature not attempted	O	37 Drinking Water Promotion

NOURISHMENT		
Achieved	P	38 Fruits And Vegetables
Achieved	P	39 Processed Foods
Achieved	P	40 Food Allergies
Achieved	P	41 Hand Washing
Achieved	P	42 Food Contamination
Achieved	P	43 Artificial Ingredients
Achieved	P	44 Nutritional Information
Achieved	P	45 Food Advertising
Feature not attempted	O	46 Safe Food Preparation Materials
Feature not attempted	O	47 Serving Sizes
Feature not attempted	O	48 Special Diets
Feature not attempted	O	49 Responsible Food Production
Feature not attempted	O	50 Food Storage
Feature not attempted	O	51 Food Production
Feature not attempted	O	52 Mindful Eating

LIGHT		
Achieved	P	53 Visual Lighting Design
Achieved	P	54 Circadian Lighting Design
Achieved	P	55 Electric Light Glare Control
Achieved	P	56 Solar Glare Control
Feature not attempted	O	57 Low-Glare Workstation Design
Feature not attempted	O	58 Color Quality
Feature not attempted	O	59 Surface Design
Feature not attempted	O	60 Automated Shading And Dimming Controls
Feature not attempted	O	61 Right To Light
Feature not attempted	O	62 Daylight Modelling
Feature not attempted	O	63 Daylighting Fenestration

FITNESS		
Achieved	P	64 Interior Fitness Circulation
Achieved	P	65 Activity Incentive Programs
Feature not attempted	O	66 Structured Fitness Opportunities
Feature not attempted	O	67 Exterior Active Design
Feature not attempted	O	68 Physical Activity Spaces
Feature not attempted	O	69 Active Transportation Support
Feature not attempted	O	70 Fitness Equipment
Feature not attempted	O	71 Active Furnishings

COMFORT		
Achieved	P	72 ADA Accessible Design Standards
Achieved	P	73 Ergonomics: Visual And Physical
Achieved	P	74 Exterior Noise Intrusion
Achieved	P	75 Internally Generated Noise
Achieved	P	76 Thermal Comfort
Feature not attempted	O	77 Olfactory Comfort
Feature not attempted	O	78 Reverberation Time
Feature not attempted	O	79 Sound Masking
Feature not attempted	O	80 Sound Reducing Surfaces
Feature not attempted	O	81 Sound Barriers
Feature not attempted	O	82 Individual Thermal Control
Feature not attempted	O	83 Radiant Thermal Comfort

MIND		
Achieved	P	84 Health And Wellness Awareness
Achieved	P	85 Integrative Design
Achieved	P	86 Post-Occupancy Surveys
Achieved	P	87 Beauty And Design I
Achieved	P	88 Biophilia I - Qualitative
Feature not attempted	O	89 Adaptable Spaces
Feature not attempted	O	90 Healthy Sleep Policy
Feature not attempted	O	91 Business Travel
Feature not attempted	O	92 Workplace Health Policy
Feature not attempted	O	93 Workplace Family Support
Feature not attempted	O	94 Self-Monitoring
Feature not attempted	O	95 Stress And Addiction Treatment
Feature not attempted	O	96 Altruism
Feature not attempted	O	97 Material Transparency
Feature not attempted	O	98 JUST Organization
Feature not attempted	O	99 Beauty And Design II
Feature not attempted	O	100 Biophilia II - Quantitative

INNOVATION		
Feature not attempted	O	101 Innovation Feature I
Feature not attempted	O	102 Innovation Feature II
Feature not attempted	O	103 Innovation Feature III
Feature not attempted	O	104 Innovation Feature IV
Feature not attempted	O	105 Innovation Feature V

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This report contains the results of the Performance Verification site visit for WELL Certification for 1456 - Connie & Kevin Chou Hall.

- For Features marked as **Achieved**, all documentation and performance requirements for the WELL Building Standard have been met.

- For Features marked as **Not Achieved**, either the documentation requirements have not been met after the second round of Documentation Review, or the performance requirements were not met during the on-site Performance Verification. Refer to the review comment for additional details on the specific element of the Feature that was not met.

GENERAL OBSERVATIONS:

The Performance Verification site visit for the project occurred on December 4 - 6, 2018 and June 24, 2019. All Preconditions and Optimizations requiring spot checks, visual inspections, or performance testing were assessed. Thank you for your hospitality during the site visits! This review report captures all data collected on-site.

FEATURE	STATUS	COMMENT		
AIR				
1	Air Quality Standards	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification air tests confirm the feature requirements are met. See Appendix A for available air test results.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification air tests confirm the feature requirements are met for TVOC, Formaldehyde, Radon, Particulate Matter 10, Carbon Monoxide and Ozone. However, the test results for Particulate Matter 2.5 could not be confirmed due to irregularities and will require re-testing. Note that re-testing for Particulate Matter will not require curative action or fees but will require on-site verification. See Appendix A for available air test results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Standards for Volatile Substances, Part 2: Standards for Particulate Matter and Inorganic Gases, and Part 3: Radon will be confirmed through performance testing.</p>
2	Smoking Ban	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification visual inspection confirms achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 2: Outdoor Smoking Ban will be confirmed through visual inspection.</p>
3	Ventilation Effectiveness	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
4	VOC Reduction	P	Achieved	<p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. While an Architect Letter of Adherence was provided for Part 5, not all the requirements have been met. Provide signed Letters of Assurance for Part 1: Interior Paints and Coatings, Part 2: Interior Adhesives and Sealants, Part 3: Flooring, and Part 4: Insulation from the Architect and Contractor. 2. Provide a signed Letter of Assurance for Part 5: Furniture and Furnishings from the Owner.</p>
5	Air Filtration	P	Achieved	<p>CURATIVE ACTION PLAN REVIEW: Additional documentation has been provided.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks do not confirm achievement of the Feature requirements. The filtration media could not be verified. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Filter Accommodation and Part 2: Particle Filtration will be confirmed through spot checks.</p>
6	Microbe And Mold Control	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification visual inspection confirms achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 2: Mold Inspections will be confirmed through visual inspection.</p>
7	Construction Pollution Management	P	Achieved	<p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have not been provided. To demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. Provide a signed Contractor Letter of Assurance for this Feature.</p>

FEATURE		STATUS		COMMENT
8	Healthy Entrance	P	Achieved	<p>PERFORMANCE VERIFICATION: Additional documentation has been provided. The on-site Performance Verification visual inspection confirms achievement of the Feature requirements.</p> <p>CURATIVE ACTION PLAN REVIEW: An Alternative Action Plan has been accepted for this Feature. Verification that pressure levels allow occupants to open and close doors easily, and do not cause undue condensation or other moisture problems due to exfiltration through the building envelope will be confirmed through visual inspection.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification visual inspection does not confirm achievement of the Feature requirements. The filtration media could not be verified. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification. The project team is pursuing an Alternative Adherence Plan for this Feature.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Permanent Entryway Walk-Off System and Part 2: Entryway Air Seal will be confirmed through visual inspection.</p>
9	Cleaning Protocol	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
10	Pesticide Management	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
11	Fundamental Material Safety	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>Note the following. 1. For future submittals, please provide the building's year of construction in order to verify compliance with the requirements of Part 2 through Part 4.</p>
12	Moisture Management	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
13	Air Flush	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
14	Air Infiltration Management	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
15	Increased Ventilation	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
16	Humidity Control	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
17	Direct Source Ventilation	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
18	Air Quality Monitoring And Feedback	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
19	Operable Windows	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
20	Outdoor Air Systems	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
21	Displacement Ventilation	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
22	Pest Control	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
23	Advanced Air Purification	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
24	Combustion Minimization	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
25	Toxic Material Reduction	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
26	Enhanced Material Safety	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
27	Antimicrobial Surfaces	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
28	Cleanable Environment	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
29	Cleaning Equipment	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>

FEATURE		STATUS		COMMENT
WATER				
30	Fundamental Water Quality	P	Achieved	<p>CURATIVE ACTION PLAN REVIEW: Additional on-site Performance Verification water tests confirm the feature requirements are met. See Appendix A for available air test results.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification water tests confirm the feature requirements are met for Turbidity. However, the test results for E-coli and Total coliforms could not be confirmed due to lab complications and required re-testing. Note that re-testing did not require curative action or fees and the water collection has been completed. See Appendix A for available air test results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Sediment and Part 2: Microorganisms will be confirmed through on-site performance testing.</p>
31	Inorganic Contaminants	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification water tests confirm achievement of the Feature requirements. See Appendix A for water testing results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Dissolved Metals will be confirmed through on-site performance testing.</p>
32	Organic Contaminants	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification water tests confirm achievement of the Feature requirements. See Appendix A for water testing results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Organic Pollutants will be confirmed through on-site performance testing.</p>
33	Agricultural Contaminants	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification water tests confirm achievement of the Feature requirements. See Appendix A for water testing results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Herbicides and Pesticides and Part 2: Fertilizers will be confirmed through on-site performance testing.</p>
34	Public Water Additives	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification water tests confirm achievement of the Feature requirements. See Appendix A for water testing results.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Disinfectants, Part 2: Disinfectant Byproducts, and Part 3: Fluoride will be confirmed through on-site performance testing.</p>
35	Periodic Water Quality Testing	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
36	Water Treatment	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
37	Drinking Water Promotion	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>

FEATURE		STATUS		COMMENT
NOURISHMENT				
38	Fruits And Vegetables	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The documentation states that foods are not sold or distributed on a daily basis; therefore the Feature requirements have been met.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. Verification that solid foods are not sold or distributed on a daily basis will be confirmed through spot checks.</p>
39	Processed Foods	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have not been provided. To demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. While the documentation states that foods are not sold or distributed on a daily basis, this Feature is also applicable to beverages. Provide an operations schedule meeting the requirements of this Feature, or alternatively provide documentation to clarify that beverages are not sold or distributed on a daily basis.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 2. The requirements of Part 1: Refined Ingredient Restrictions and Part 2: Trans Fat Ban will be confirmed through spot checks.</p>
40	Food Allergies	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The documentation states that foods are not sold or distributed on a daily basis; therefore the Feature requirements have been met.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. Verification that foods are not sold or distributed on a daily basis will be confirmed through spot checks.</p>
41	Hand Washing	P	Achieved	<p>CURATIVE ACTION PLAN REVIEW: Additional documentation has been provided.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks do not confirm achievement of the Feature requirements. The soap cartridges could not be verified. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Hand Washing Supplies and Part 3: Sink Dimensions will be confirmed through spot checks and the requirements of Part 2: Contamination Reduction will be confirmed through visual inspection.</p>
42	Food Contamination	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The documentation states that raw meat, fish, or poultry are not prepared on premises on a daily basis; therefore, the Feature requirements have been met.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. Verification that raw meat, fish, or poultry are not prepared on premises will be confirmed through spot checks.</p>
43	Artificial Ingredients	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The documentation states that foods are not sold or distributed on a daily basis; therefore the Feature requirements have been met.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. Verification that foods are not sold or distributed on a daily basis will be confirmed through spot checks.</p>
44	Nutritional Information	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification visual inspection confirms achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Detailed Nutritional Information will be confirmed through visual inspection.</p> <p>Note the following. 1. While the documentation states that foods are not sold or distributed on a daily basis, this Feature is also applicable to beverages.</p>
45	Food Advertising	P	Achieved	<p>CURATIVE ACTION PLAN REVIEW: Additional documentation has been provided.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks do not confirm achievement of the Feature requirements. There were not three instances of nutritional education posted. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Advertising and Environmental Cues and Part 2: Nutritional Messaging will be confirmed through visual inspection.</p>
46	Safe Food Preparation Materials	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
47	Serving Sizes	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
48	Special Diets	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>

FEATURE		STATUS		COMMENT
49	Responsible Food Production	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
50	Food Storage	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
51	Food Production	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
52	Mindful Eating	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.

FEATURE		STATUS		COMMENT
LIGHT				
53	Visual Lighting Design	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification lighting tests confirm achievement of the Feature requirements. See Appendix A for lighting test results.</p> <p>FINAL DOCUMENTATION REVIEW: Alternative Adherence Path (AAP 87919) has been approved.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. An Alternative Adherence Path (AAP 87919) has been submitted for this Feature. The AAP has not previously been submitted for review and does not include a ruling. Provide the final ruling provided by IWBI or GBCI for this AAP.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 2. The requirements of Part 1: Visual Acuity for Focus and Part 2: Task Lighting will be confirmed through spot measurements.</p>
54	Circadian Lighting Design	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification lighting tests confirm achievement of the Feature requirements. See Appendix A for lighting test results.</p> <p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided. Alternative Adherence Path (AAP 87920) has been approved.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. An Alternative Adherence Path (AAP 87920) has been submitted for this Feature. The AAP has not previously been submitted for review and does not include a ruling. Provide the final ruling provided by IWBI or GBCI for this AAP. 2. While a Letter of Assurance initiated by the Lighting Designer has been provided for Parts 1 and 4, this does not meet the requirements of the Feature. Provide a Letter of Assurance signed by the Lighting Designer with a description of the individual's project role, including justification of their ability to sign off on the above requirements. Alternatively, provide a revised Letter of Assurance initiated by the Architect for Parts 1 and 4.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 3. The requirements of Part 1: Melanopic Light Intensity for Work Areas will be confirmed through spot measurements.</p>
55	Electric Light Glare Control	P	Achieved	<p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. While a Letter of Assurance initiated by the Lighting Designer has been provided for Parts 1 and 2, this does not meet the requirements of the Feature. Provide a Letter of Assurance signed by the Lighting Designer with a description of the individual's project role, including justification of their ability to sign off on the above requirements. Alternatively, provide a revised Letter of Assurance initiated by the Architect for Parts 1 and 2.</p>
56	Solar Glare Control	P	Achieved	<p>PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks confirm achievement of the Feature requirements.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: View Window Shading and Part 2: Daylight Management will be confirmed through spot checks.</p>
57	Low-Glare Workstation Design	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
58	Color Quality	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
59	Surface Design	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
60	Automated Shading And Dimming Controls	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
61	Right To Light	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
62	Daylight Modelling	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
63	Daylighting Fenestration	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.

FEATURE		STATUS	COMMENT
FITNESS			
64	Interior Fitness Circulation	P	Achieved
<p>PRELIMINARY DOCUMENTATION REVIEW: The documentation indicates that the project is greater than four floors; therefore the Feature requirements have been met.</p>			
65	Activity Incentive Programs	P	Achieved
<p>FINAL DOCUMENTATION REVIEW: Alternative Adherence Path (AAP 87040) has been approved.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. An Alternative Adherence Path (AAP 87040) has been submitted for this Feature. The AAP has not previously been submitted for review and does not include a ruling. Provide the final ruling provided by IWBI or GBCI for this AAP.</p>			
66	Structured Fitness Opportunities	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			
67	Exterior Active Design	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			
68	Physical Activity Spaces	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			
69	Active Transportation Support	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			
70	Fitness Equipment	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			
71	Active Furnishings	O	Feature not attempted
<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>			

FEATURE		STATUS		COMMENT
COMFORT				
72	ADA Accessible Design Standards	P	Achieved	PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.
73	Ergonomics: Visual And Physical	P	Achieved	CURATIVE ACTION PLAN REVIEW: Additional documentation has been provided. PERFORMANCE VERIFICATION: The on-site Performance Verification spot checks do not confirm achievement of the Feature requirements. AAP 87921 was applied, requiring foot rests, and 4" clearance for feet to go under lectern; however the third requirement of standing mats were not present at lecterns. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification. FINAL DOCUMENTATION REVIEW: Additional documentation has been provided. Alternative Adherence Path (AAP 87921) has been approved. PRELIMINARY DOCUMENTATION REVIEW: The required documents have not been provided. To demonstrate compliance, the following must be addressed. TECHNICAL ADVICE 1. An Alternative Adherence Path (AAP 87921) has been submitted for this Feature. The AAP has not previously been submitted for review and does not include a ruling. Provide the final ruling provided by IWBI or GBCI for this AAP. 2. Provide a signed Owner Letter of Assurance for this Feature. REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 3. The requirements of Part 1: Visual Ergonomics, Part 2: Desk Height Flexibility, and Part 3: Seat Flexibility will be confirmed through spot checks.
74	Exterior Noise Intrusion	P	Achieved	PERFORMANCE VERIFICATION: The on-site Performance Verification acoustic tests confirm achievement of the Feature requirements. See Appendix A for the Comfort measurement results. PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation. REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: Sound Pressure Level will be confirmed through on-site performance testing.
75	Internally Generated Noise	P	Achieved	CURATIVE ACTION PLAN REVIEW: An Alternative Action Plan has been accepted for this Feature. PERFORMANCE VERIFICATION: The on-site Performance Verification acoustic tests do not confirm achievement of the Feature requirements. See Appendix A for the Comfort measurement results. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will meet the threshold 35 NC or less in the enclosed office 553. PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 2: Mechanical Equipment Sound Levels will be confirmed through on-site performance testing.
76	Thermal Comfort	P	Achieved	PERFORMANCE VERIFICATION: The on-site Performance Verification thermal comfort tests confirm achievement of the Feature requirements. See Appendix A for the Comfort measurement results. CURATIVE ACTION PLAN REVIEW: A curative action plan has been provided stating that the project team intends to 1) Fine tune the temperature and humidity setpoints for occupants at key points in time, including calibrating programmed setpoints against actual temperature and humidity levels in each space; 2) Be more aware of outdoor climactic conditions and their impacts; 3) Remind students to close doors and windows to maintain balance; 4) Adjust setpoints to respond to occupant requests. Note the performance retesting will occur while the spaces are occupied. PERFORMANCE VERIFICATION: The on-site Performance Verification thermal comfort tests do not confirm achievement of the Feature requirements. See Appendix A for the Comfort measurement results. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will meet the ASHRAE 55-2013 standard for the rooms that are non-compliant. FINAL DOCUMENTATION REVIEW: Additional documentation has been provided. PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed. TECHNICAL ADVICE 1. While an MEP Letter of Assurance has been provided, both Part 1: Ventilated Thermal Environment and Part 2: Natural Thermal Adaptation have been initiated. Provide a narrative verifying there will be mutually exclusive mechanically and naturally ventilated spaces within the WELL project boundary. Alternatively, provide an updated MEP Letter of Assurance with only one of the options chosen. REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 2. The requirements of Part 1: Ventilated Thermal Environment and/or Part 2: Natural Thermal Adaptation will be confirmed through on-site performance testing.
77	Olfactory Comfort	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
78	Reverberation Time	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
79	Sound Masking	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
80	Sound Reducing Surfaces	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
81	Sound Barriers	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
82	Individual Thermal Control	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
83	Radiant Thermal Comfort	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.

FEATURE		STATUS		COMMENT
MIND				
84	Health And Wellness Awareness	P	Achieved	<p>CURATIVE ACTION PLAN REVIEW: Additional documentation has been provided.</p> <p>PERFORMANCE VERIFICATION: The on-site Performance Verification visual inspection does not confirm achievement of the Feature requirements. The Health and Wellness library was not present. All preconditions must be achieved prior to achieving WELL certification; therefore, an appeal will be necessary in order to obtain WELL Certification. Provide a curative action plan describing how the project will achieve the Feature requirements and this Feature will be confirmed through supporting documentation such as photographs, or on a follow-up Performance Verification.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has no required documentation.</p> <p>REQUIREMENTS TO BE CONFIRMED THROUGH ON-SITE ASSESSMENT 1. The requirements of Part 1: WELL Building Standard Guide and Part 2: Health and Wellness Library will be confirmed through visual inspection.</p>
85	Integrative Design	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
86	Post-Occupancy Surveys	P	Achieved	<p>FINAL DOCUMENTATION REVIEW: Additional documentation has been provided.</p> <p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided. However, to demonstrate compliance, the following must be addressed.</p> <p>TECHNICAL ADVICE 1. While a narrative and copy of the results of a thermal comfort survey has been provided, not all of the Feature requirements have been addressed. An Alternative Adherence Path is needed to use an alternative survey, per the FAQ. All proposals should meet the requirements outlined in Feature 86 Parts 1 & 2. Provide the final ruling provided by IWBI or GBCI for this AAP.</p>
87	Beauty And Design I	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
88	Biophilia I - Qualitative	P	Achieved	<p>PRELIMINARY DOCUMENTATION REVIEW: The required documents have been provided.</p>
89	Adaptable Spaces	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
90	Healthy Sleep Policy	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
91	Business Travel	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
92	Workplace Health Policy	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
93	Workplace Family Support	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
94	Self-Monitoring	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
95	Stress And Addiction Treatment	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
96	Altruism	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
97	Material Transparency	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
98	JUST Organization	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
99	Beauty And Design II	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>
100	Biophilia II - Quantitative	O	Feature not attempted	<p>PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.</p>

FEATURE		STATUS		COMMENT
INNOVATION				
101	Innovation Feature I	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
102	Innovation Feature II	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
103	Innovation Feature III	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
104	Innovation Feature IV	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.
105	Innovation Feature V	O	Feature not attempted	PRELIMINARY DOCUMENTATION REVIEW: This Feature has not been attempted.

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Appendix A

December 4 - 6, 2018 On-site Performance Verification - Summary of Results

AIR

GENERAL OBSERVATIONS:

There were no unusual conditions observed during the indoor air quality testing. Sampling locations were selected as unoccupied classrooms in between scheduled classes and finals. Due to heavy occupancy, and operable windows being shut due to rain - HVAC system was running constantly during PV days, no natural ventilation times during PV even though building is equipped to run in natural ventilation mode.

All values reported by the lab as "ND" are not detected above the detectible limit for the analysis method.

1. Air Quality Standards

Location	Part 1		Part 2				Part 3	Outcome
	Formaldehyde (ppb)	Total Volatile Organic Compounds (µg/m³)	Carbon Monoxide (ppm)	PM2.5 (ug/m3)	PM10 (ug/m3)	Ozone (ppb)	Radon (pCi/L)	
WELL Building Standard threshold limit	27	500.0	9.0	15.0	50.0	51.0	4.0	
Major 1 - Room 100	14.28	33.2	0.0	TBD	35.00	0.0	N/A	TBD
Major 2 - Room 370	15.78	52.8	0.0	TBD	33.00	0.0		TBD
Minor 1 - Room 470	N/A	N/A	0.0	TBD	31.00	0.0		TBD
Minor 2 - Room 670			0.0	TBD	30.00	0.0		TBD
Minor 3 - 2nd floor lounge			0.0	TBD	35.00	0.0		TBD
Minor 4 - Room 540/544			0.0	TBD	31.00	0.0		TBD
Radon - Basement	N/A						0.6	MET

Reference Testing Results

Location	Formaldehyde (ppb)	Total Volatile Organic Compounds (µg/m³)	Carbon Monoxide (ppm)	PM2.5 (ug/m3)	PM10 (ug/m3)	Ozone (PPB)	Radon (pCi/L)	Outcome
WELL Building Standard threshold limit	27	500.0	9.0	15.0	50.0	51.0	4.0	
Outdoor Air Baseline - Morning	N/A	N/A	0.0	TBD	60.00	0.0	N/A	
Outdoor Air Baseline - Afternoon			0.0	TBD	37.00	28.0		
Outdoor Air Baseline - Evening			0.0	TBD	33.00	21.5		
Field Blanks	ND	ND	N/A					

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June 24, 2019 On-site Performance Verification - Summary of Results

AIR

GENERAL OBSERVATIONS:

There were no unusual conditions observed during the indoor air quality testing.

1. Air Quality Standards

Location	Part 1		Carbon Monoxide (ppm)	Part 2		Ozone (ppb)	Radon (pCi/L)	Outcome
	Formaldehyde (ppb)	Total Volatile Organic Compounds (µg/m³)		PM2.5 (ug/m3)	PM10 (ug/m3)			
WELL Building Standard threshold limit	27	500.0	9.0	15.0	50.0	51.0	4.0	
Major 1 - Room 100	N/A	N/A	N/A	4.00	6.00	N/A	N/A	MET
Major 2 - Room 370				6.00	18.00			MET
Minor 1 - Room 470				4.00	6.00			MET
Minor 2 - Room 670				4.00	7.00			MET
Minor 3 - 2nd floor lounge				4.00	7.00			MET
Minor 4 - Room 540/544				7.00	17.00			MET

Reference Testing Results

Location	Formaldehyde (ppb)	Total Volatile Organic Compounds (µg/m³)	Carbon Monoxide (ppm)	PM2.5 (ug/m3)	PM10 (ug/m3)	Ozone (PPB)	Radon (pCi/L)	
WELL Building Standard threshold limit	27	500.0	9.0	15.0	50.0	51.0	4.0	
Outdoor Air Baseline - Afternoon		N/A		11.00	31.00		N/A	

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WATER

GENERAL OBSERVATIONS:

No unusual conditions were observed on-site during the water sampling.

All values reported by the lab as "ND" are not detected above the detectible limit for the analysis method.

30. Fundamental Water Quality

Location	Turbidity (must be less than 1.0 NTU)	Total coliforms (must not be detected)	E. Coli (must not be detected)	Outcome
Hand Wash 1 - Men's Restroom Floor 1	0.06	ND	ND	MET
Drinking Water 2 - Drinking Fountain Floor 2	0.00	ND	ND	MET
Hand Wash 3 - Men's Restroom Floor 3	0.15	ND	ND	MET
Drinking Water 4 - Drinking Fountain Floor 4	0.26	ND	ND	MET
Hand Water 5 - Men's Restroom Floor 5	0.23	ND	ND	MET
Hand Wash 6 - Men's Restroom Floor 6	0.08	ND	ND	MET
Notes				

31. Inorganic Contaminants

Location	Lead (must be less than 0.01 mg/L)	Arsenic (must be less than 0.01 mg/L)	Antimony (must be less than 0.006 mg/L)	Mercury (must be less than 0.002 mg/L)	Nickel (must be less than 0.012 mg/L)	Copper (must be less than 1.0 mg/L)	Outcome
Drinking Water 2 - Drinking Fountain Floor 2	ND	ND	ND	ND	ND	0.01	MET
Drinking Water 4 - Drinking Fountain Floor 4	ND	ND	ND	ND	ND	0.01	MET
Notes							

32. Organic Contaminants

Location	Styrene (must be less than 0.0005 mg/L)	Benzene (must be less than 0.001 mg/L)	Ethylbenzene (must be less than 0.3 mg/L)	Polychlorinated biphenyls (must be less than 0.0005 mg/L)	Vinyl Chloride (must be less than 0.002 mg/L)	Toluene (must be less than 0.15 mg/L)	Xylenes (Total: m, p, and o) (must be less than 0.5 mg/L)	Tetrachloroethylene (must be less than 0.005 mg/L)	Outcome
Drinking Water 2 - Drinking Fountain Floor 2	ND	ND	ND	ND	ND	ND	ND	ND	MET
Drinking Water 4 - Drinking Fountain Floor 4	ND	ND	ND	ND	ND	ND	ND	ND	MET
Notes									

33. Agricultural Contaminants

Location	Atrazine (must be less than 0.001 mg/L)	Simazine (must be less than 0.002 mg/L)	Glyphosate (must be less than 0.70 mg/L)	2,4-dichlorophenoxyacetic Acid (must be less than 0.07 mg/L)	Nitrate as N (must be less than 10 mg/L)	Outcome
Drinking Water 2 - Drinking Fountain Floor 2	ND	ND	ND	ND	ND	MET
Drinking Water 4 - Drinking Fountain Floor 4	ND	ND	ND	ND	ND	MET
Notes						

34. Public Water Additives

Location	Residual Chlorine (must be less than 0.6 mg/L)	Residual Chloramine (must be less than 4 mg/L)	Total Trihalomethanes (must be less than 0.08 mg/L)	Total Haloacetic Acid (must be less than 0.06 mg/L)	Fluoride (must be less than 4.0 mg/L)	Outcome
Drinking Water 2 - Drinking Fountain Floor 2	0.25	3.75	0.04	0.02000	0.76	MET
Drinking Water 4 - Drinking Fountain Floor 4	0.10	3.90	0.04	0.02000	0.76	MET
Notes						

37. Drinking Water Promotion - Not Pursued

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December 4 - 6, 2018 On-site Performance Verification - Summary of Results

LIGHT

GENERAL OBSERVATIONS:

No unusual circumstances were observed during the lighting measurements for Feature 53 and Feature 54. AAPs for learning activity lighting levels were used for Features 53 and 54.

For Feature 54, daytime lighting conditions were measured between 10:00 and 1pm on 12/05 with all task lighting and desktop monitors on, while nighttime lighting conditions were measured after sundown (4:50PM), on 12/04 with only ambient lighting. Daytime weather conditions were cloudy and rainy for most of the day, with a few spots of sunlight.

All measurements in classrooms were set up per the most popularly used A/V settings as per facilities staff and project team. No task lights or monitors were used as lighting samples were taken at student stations or professor lecterns.

53. Visual Lighting Design

	Requirement	Performance Verification Results	Outcome	Notes
Part 1a	Ambient lighting maintains average of 215 lux or greater	662.5 lux	ACHIEVED	The average illumination maintained by the ambient lighting system is 662.5 lux. The lighting measurements confirm achievement of the Feature requirements.
Part 1b	Lighting zoned in 500 square foot (46.5 square meter) zones or smaller	Confirmed	ACHIEVED	The zoning of lighting in the project meets the Feature requirements. (room controls only in classroom setting, controlled in zones by professor)
Part 1c	Task lighting available if ambient lighting maintains an average less than 300 lux	N/A	N/A	Part 1c is not required as the ambient lighting maintains an average illuminance of greater than 300 lux.

Detailed Measurement Data

Measurement Point	Location / Description	Measurement Conditions	Measurement Type	Part 1a - Test Result (Lux) Ambient Lighting	Part 1c - Test Result (Lux) Task Lighting	Notes
Im01	Classroom	Ambient Lighting Only	Illuminance	962.3		
Im02	Classroom	Ambient Lighting Only	Illuminance	748.7		
Im03	Classroom	Ambient Lighting Only	Illuminance	605.5		
Im04	Classroom	Ambient Lighting Only	Illuminance	495.9		
Im05	Classroom	Ambient Lighting Only	Illuminance	-		Not taken
Im06	Classroom	Ambient Lighting Only	Illuminance	640.8		
Im07	Classroom	Ambient Lighting Only	Illuminance	462.2		
Im08	Classroom	Ambient Lighting Only	Illuminance	560.1		
Im09	Classroom	Ambient Lighting Only	Illuminance	771.3		
Im10	Classroom	Ambient Lighting Only	Illuminance	516.1		
Im11	Classroom	Ambient Lighting Only	Illuminance	640.2		
Im12	Classroom	Ambient Lighting Only	Illuminance	968.8		
Im13	Classroom	Ambient Lighting Only	Illuminance	642.5		
Im14	Classroom	Ambient Lighting Only	Illuminance	529.3		
Im15	Classroom	Ambient Lighting Only	Illuminance	656.2		
Im16	Classroom	Ambient Lighting Only	Illuminance	658.6		
Im17	Classroom	Ambient Lighting Only	Illuminance	866.6		
Im18	Classroom	Ambient Lighting Only	Illuminance	636.1		
Im19	Classroom	Ambient Lighting Only	Illuminance	708.9		
Im20	Classroom	Ambient Lighting Only	Illuminance	705.5		
Im21	Classroom	Ambient Lighting Only	Illuminance	532.2		
Im22	Classroom	Ambient Lighting Only	Illuminance	645.3		
Im23	Classroom	Ambient Lighting Only	Illuminance	339.2		
Im24	Classroom	Ambient Lighting Only	Illuminance	1038.7		
Im25	Classroom	Ambient Lighting Only	Illuminance	432.9		
Im26	Classroom	Ambient Lighting Only	Illuminance	581.1		
Im27	Classroom	Ambient Lighting Only	Illuminance	971.7		
Im28	Classroom	Ambient Lighting Only	Illuminance	410.2		

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Im29	Classroom	Ambient Lighting Only	Illuminance	874.9		
Im30	Classroom	Ambient Lighting Only	Illuminance	243.6		
Im31	Classroom	Ambient Lighting Only	Illuminance	550.5		
Im32	Classroom	Ambient Lighting Only	Illuminance	364.9		
Im33	Classroom	Ambient Lighting Only	Illuminance	831.5		
Im34	Classroom	Ambient Lighting Only	Illuminance	518.5		
Im35	Classroom	Ambient Lighting Only	Illuminance	459.8		
Im36	Classroom	Ambient Lighting Only	Illuminance	1098.4		
Im37	Classroom	Ambient Lighting Only	Illuminance	654.0		
Im38	Classroom	Ambient Lighting Only	Illuminance	455.9		
Im39	Classroom	Ambient Lighting Only	Illuminance	610.8		
Im40	Classroom	Ambient Lighting Only	Illuminance	691.0		
Im41	Open Office	Ambient Lighting Only	Illuminance	617.9		
Im42	Classroom	Ambient Lighting Only	Illuminance	886.7		
Im43	Classroom	Ambient Lighting Only	Illuminance	689.6		
Im44	Classroom	Ambient Lighting Only	Illuminance	678.2		
Im45	Classroom	Ambient Lighting Only	Illuminance	579.7		
Im46	Classroom	Ambient Lighting Only	Illuminance	789.7		
Im47	Classroom	Ambient Lighting Only	Illuminance	842.4		
Im48	Classroom	Ambient Lighting Only	Illuminance	686.0		
Im49	Classroom	Ambient Lighting Only	Illuminance	444.3		
Im50	Classroom	Ambient Lighting Only	Illuminance	663.6		
Im51	Classroom	Ambient Lighting Only	Illuminance	811.7		
Im52	Classroom	Ambient Lighting Only	Illuminance	274.3		
Im53	Classroom	Ambient Lighting Only	Illuminance	766.1		
Im54	Classroom	Ambient Lighting Only	Illuminance	624.2		
Im55	Classroom	Ambient Lighting Only	Illuminance	421.8		
Im56	Classroom	Ambient Lighting Only	Illuminance	557.7		
Im57	Classroom	Ambient Lighting Only	Illuminance	735.5		
Im58	Classroom	Ambient Lighting Only	Illuminance	521.6		
Im59	Classroom	Ambient Lighting Only	Illuminance	1254.8		
Im60	Classroom	Ambient Lighting Only	Illuminance	628.2		
Im61	Classroom	Ambient Lighting Only	Illuminance	380.9		
Im62	Classroom	Ambient Lighting Only	Illuminance	470.4		
Im63	Classroom	Ambient Lighting Only	Illuminance	230.7		
Im64	Classroom	Ambient Lighting Only	Illuminance	557.5		
Im65	Classroom	Ambient Lighting Only	Illuminance	572.6		
Im66	Classroom	Ambient Lighting Only	Illuminance	827.7		
Im67	Classroom	Ambient Lighting Only	Illuminance	755.8		
Im68	Classroom	Ambient Lighting Only	Illuminance	675.9		
Im69	Classroom	Ambient Lighting Only	Illuminance	609.5		
Im70	Classroom	Ambient Lighting Only	Illuminance	467.9		
Im71	Classroom	Ambient Lighting Only	Illuminance	587.9		
Im72	Classroom	Ambient Lighting Only	Illuminance	2392.4		
Im73	Classroom	Ambient Lighting Only	Illuminance	613.6		

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54. Circadian Lighting Design						
	Requirement	Performance Verification Results	Outcome	Notes		
Part 1a	Ambient lighting (with daylight) maintains 200 EML or more	203.4 EML	ACHIEVED	The statistical analysis indicates that 75% of workstations would be expected to exceed 203.4 EML, and the measurement data shows that 80.9% of all workstations exceeded 200 EML. Therefore, the Feature requirements have been met for Part 1a.		
Part 1b	Electric lighting (without daylight) maintains EML equivalent to IESNA RP-1-12 vertical illuminance requirements	48.3 EML	NOT ACHIEVED	The measurements indicate that the electric lighting (without daylight) does not provide greater than 150 EML at all workstations, with the lowest measured value being 48.3 EML. Therefore, the Feature requirements have not been met for Part 1b.		
Detailed Measurement Data						
Measurement	Location / Description	Measurement Conditions	Measurement Type	Part 1a - Test Result (Melanopic Lux)	Part 1b - Test Result (Melanopic Lux)	Notes
Im01	Classroom	Ambient Lighting Only	Melanopic Lux	--	173.3	No daytime measurements were taken in room 100 as there is no daylight
Im02	Classroom	Ambient Lighting Only	Melanopic Lux	--	300.1	No daytime measurements were taken in room 100 as there is no daylight
Im03	Classroom	Ambient Lighting Only	Melanopic Lux	--	250.6	No daytime measurements were taken in room 100 as there is no daylight
Im04	Classroom	Ambient Lighting Only	Melanopic Lux	--	250.2	No daytime measurements were taken in room 100 as there is no daylight
Im05	Classroom	Ambient Lighting Only	Melanopic Lux	--	195.1	No daytime measurements were taken in room 100 as there is no daylight
Im06	Classroom	Ambient Lighting Only	Melanopic Lux	--	255.1	No daytime measurements were taken in room 100 as there is no daylight
Im07	Classroom	Ambient Lighting Only	Melanopic Lux	--	217.9	No daytime measurements were taken in room 100 as there is no daylight
Im08	Classroom	Ambient Lighting Only	Melanopic Lux	--	252.5	No daytime measurements were taken in room 100 as there is no daylight
Im09	Classroom	Ambient Lighting Only	Melanopic Lux	--	300.0	No daytime measurements were taken in room 100 as there is no daylight
Im10	Classroom	Ambient Lighting Only	Melanopic Lux	--	256.7	No daytime measurements were taken in room 100 as there is no daylight
Im11	Classroom	Ambient Lighting Only	Melanopic Lux	--	219.2	No daytime measurements were taken in room 100 as there is no daylight
Im12	Classroom	Ambient Lighting Only	Melanopic Lux	163.5	163.8	
Im13	Classroom	Ambient Lighting Only	Melanopic Lux	245.3	250.0	
Im14	Classroom	Ambient Lighting Only	Melanopic Lux	283.3	257.4	
Im15	Classroom	Ambient Lighting Only	Melanopic Lux	228.1	233.7	
Im16	Classroom	Ambient Lighting Only	Melanopic Lux	263.3	216.9	
Im17	Classroom	Ambient Lighting Only	Melanopic Lux	212.2	154.7	
Im18	Classroom	Ambient Lighting Only	Melanopic Lux	209.7	216.9	
Im19	Classroom	Ambient Lighting Only	Melanopic Lux	267.8	254.4	
Im20	Classroom	Ambient Lighting Only	Melanopic Lux	266.5	260.9	
Im21	Classroom	Ambient Lighting Only	Melanopic Lux	292.6	282.3	
Im22	Classroom	Ambient Lighting Only	Melanopic Lux	235.3	226.6	
Im23	Classroom	Ambient Lighting Only	Melanopic Lux	267.9	140.2	
Im24	Classroom	Ambient Lighting Only	Melanopic Lux	420.9	236.1	
Im25	Classroom	Ambient Lighting Only	Melanopic Lux	248.4	127.8	
Im26	Classroom	Ambient Lighting Only	Melanopic Lux	826.5	122.8	
Im27	Classroom	Ambient Lighting Only	Melanopic Lux	453.4	155.0	
Im28	Classroom	Ambient Lighting Only	Melanopic Lux	173.2	138.2	
Im29	Classroom	Ambient Lighting Only	Melanopic Lux	205.1	267.1	
Im30	Classroom	Ambient Lighting Only	Melanopic Lux	184.6	146.8	
Im31	Classroom	Ambient Lighting Only	Melanopic Lux	254.7	303.5	
Im32	Classroom	Ambient Lighting Only	Melanopic Lux	152.2	147.9	
Im33	Classroom	Ambient Lighting Only	Melanopic Lux	369.3	300.4	
Im34	Classroom	Ambient Lighting Only	Melanopic Lux	366.1	257.5	

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Im35	Classroom	Ambient Lighting Only	Melanopic Lux	355.4	287.7	
Im36	Classroom	Ambient Lighting Only	Melanopic Lux	194.4	194.6	
Im37	Classroom	Ambient Lighting Only	Melanopic Lux	233.6	260.0	
Im38	Classroom	Ambient Lighting Only	Melanopic Lux	274.1	286.2	
Im39	Classroom	Ambient Lighting Only	Melanopic Lux	304.9	304.5	
Im40	Classroom	Ambient Lighting Only	Melanopic Lux	252.7	264.5	
Im41	Open Office	Ambient Lighting Only	Melanopic Lux	--	92.2	Not taken
Im42	Classroom	Ambient Lighting Only	Melanopic Lux	164.0	153.6	
Im43	Classroom	Ambient Lighting Only	Melanopic Lux	251.1	266.7	
Im44	Classroom	Ambient Lighting Only	Melanopic Lux	216.2	247.6	
Im45	Classroom	Ambient Lighting Only	Melanopic Lux	201.3	228.4	
Im46	Classroom	Ambient Lighting Only	Melanopic Lux	214.6	252.2	
Im47	Classroom	Ambient Lighting Only	Melanopic Lux	199.5	144.9	
Im48	Classroom	Ambient Lighting Only	Melanopic Lux	268.3	261.8	
Im49	Classroom	Ambient Lighting Only	Melanopic Lux	237.4	227.7	
Im50	Classroom	Ambient Lighting Only	Melanopic Lux	252.9	252.4	
Im51	Classroom	Ambient Lighting Only	Melanopic Lux	257.3	239.8	
Im52	Classroom	Ambient Lighting Only	Melanopic Lux	--	242.7	Not taken
Im53	Classroom	Ambient Lighting Only	Melanopic Lux	--	140.7	Not taken
Im54	Classroom	Ambient Lighting Only	Melanopic Lux	--	201.5	Not taken
Im55	Classroom	Ambient Lighting Only	Melanopic Lux	261.6	233.3	
Im56	Classroom	Ambient Lighting Only	Melanopic Lux	296.3	301.4	
Im57	Classroom	Ambient Lighting Only	Melanopic Lux	228.8	238.5	
Im58	Classroom	Ambient Lighting Only	Melanopic Lux	278.7	252.5	
Im59	Classroom	Ambient Lighting Only	Melanopic Lux	303.7	338.5	
Im60	Classroom	Ambient Lighting Only	Melanopic Lux	242.5	240.6	
Im61	Classroom	Ambient Lighting Only	Melanopic Lux	223.2	219.6	
Im62	Classroom	Ambient Lighting Only	Melanopic Lux	245.4	257.4	
Im63	Classroom	Ambient Lighting Only	Melanopic Lux	194.3	194.4	
Im64	Classroom	Ambient Lighting Only	Melanopic Lux	197.2	243.4	
Im65	Classroom	Ambient Lighting Only	Melanopic Lux	260.4	225.7	
Im66	Classroom	Ambient Lighting Only	Melanopic Lux	150.5	131.8	
Im67	Classroom	Ambient Lighting Only	Melanopic Lux	203.8	195.0	
Im68	Classroom	Ambient Lighting Only	Melanopic Lux	228.8	226.5	
Im69	Classroom	Ambient Lighting Only	Melanopic Lux	285.9	299.6	
Im70	Classroom	Ambient Lighting Only	Melanopic Lux	262.0	230.0	
Im71	Classroom	Ambient Lighting Only	Melanopic Lux	202.4	204.6	
Im72	Classroom	Ambient Lighting Only	Melanopic Lux	--	631.5	Not taken
Im73	Classroom	Ambient Lighting Only	Melanopic Lux	--	48.3	Not taken

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Appendix A

December 4 - 6, 2018 On-site Performance Verification - Summary of Results

COMFORT

GENERAL OBSERVATIONS:

No unusual conditions were noted during on-site testing. There were loud servers in occupied A/V and computer support rooms. The metabolic rate and clothing insulation level parameters used for determining compliance with Feature 76 requirements are 1.1 and 1.0 respectively.

74. Exterior Noise Intrusion

Measurement	Location / Description	Measurement Type	WELL Building Standard Maximum Threshold (dB)	Test Result (dB)	Outcome	Notes
1 - Breakout Room (155)	Conference Room	Sound Pressure (LAeq)	50	27.7	MET	
2 - Breakout Room (255)	Conference Room	Sound Pressure (LAeq)	50	28.6	MET	
3 - Classroom (340/344)	Classroom	Sound Pressure (LAeq)	50	30.9	MET	
4 - Lobby/Lounge (330)	Lobby	Sound Pressure (LAeq)	50	30.7	MET	
5 - Classroom (300)	Classroom	Sound Pressure (LAeq)	50	31.8	MET	
6 - Breakout Room (458)	Conference Room	Sound Pressure (LAeq)	50	27.9	MET	
7 - Breakout Room (558)	Conference Room	Sound Pressure (LAeq)	50	27.4	MET	
8 - Breakout Room (516)	Conference Room	Sound Pressure (LAeq)	50	27.2	MET	
9 - Event Space (670)	Classroom	Sound Pressure (LAeq)	50	30	MET	

75. Internally Generated Noise

Measurement	Location / Description	Measurement Type	WELL Building Standard Maximum Threshold (NC)	Converted Test Result (NC)	Outcome	Notes
10 - Classroom (340/344)	Classroom	Noise Criteria (NC)	NC 35	NC 31	MET	
11 - Breakout Room (358)	Conference Room	Noise Criteria (NC)	NC 30	NC 25	MET	
12 - Breakout Room (515)	Conference Room	Noise Criteria (NC)	NC 30	NC 24	MET	
13 - Classroom (300)	Conference Room	Noise Criteria (NC)	NC 30	NC 24	MET	
14 - Breakout Room (355)	Conference Room	Noise Criteria (NC)	NC 30	NC 26	MET	
15 - Event Space (670)	Classroom	Noise Criteria (NC)	NC 35	NC 24	MET	
16 - A/V 553	Enclosed Office	Noise Criteria (NC)	NC 35	NC 54	MET	
17 - 3rd floor lounge (330)	Lobby	Noise Criteria (NC)	NC 40	NC 26	MET	
18 - Breakout Room (155)	Conference Room	Noise Criteria (NC)	NC 30	NC 30	MET	

76. Thermal Comfort

Measurement	Location / Description	Measurement Type	WELL Building Standard Maximum Threshold	Test Result Temperature (F)	Test Result Humidity (%)	Outcome
1 - Auditorium (100)	Classroom	Temperature/Humidity	ASHRAE 55-2013	68.4	43.1	NOT MET
2 - Classroom (370)	Classroom	Temperature/Humidity	ASHRAE 55-2013	70.0	43.5	MET
3 - Breakout Room (415)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	69.5	45.5	MET
4 - Breakout Room (515)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	68.5	45.8	NOT MET
5 - Breakout Room (255)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	68.0	47.6	NOT MET
6 - Breakout Room (458)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	69.3	48.3	MET
7 - 2nd floor lobby (230)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	67.3	47.0	NOT MET
8 - A/V room (352)	Enclosed Office	Temperature/Humidity	ASHRAE 55-2013	68.9	51.5	MET

78. Acoustics - Reverberation - Not Pursued

79. Sound Masking - Not Pursued

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Appendix A

June 24, 2019 On-site Performance Verification - Summary of Results

COMFORT

GENERAL OBSERVATIONS:

No unusual conditions were noted during on-site testing. There were loud servers in occupied A/V and computer support rooms. The metabolic rate and clothing insulation level parameters used for determining compliance with Feature 76 requirements are 1.1 and 0.57.

76. Thermal Comfort

Measurement	Location / Description	Measurement Type	WELL Building Standard Maximum Threshold	Test Result Temperature (F)	Test Result Humidity (%)	Outcome
1 - Auditorium (100)	Classroom	Temperature/Humidity	ASHRAE 55-2013	76.2	53.2	MET
2 - Breakout Room (515)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	74.0	59.6	MET
3 - Breakout Room (255)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	75.4	55.6	MET
4 - 2nd floor lobby (230)	Conference Room	Temperature/Humidity	ASHRAE 55-2013	76.9	52.1	MET

78. Acoustics - Reverberation - Not Pursued

79. Sound Masking - Not Pursued