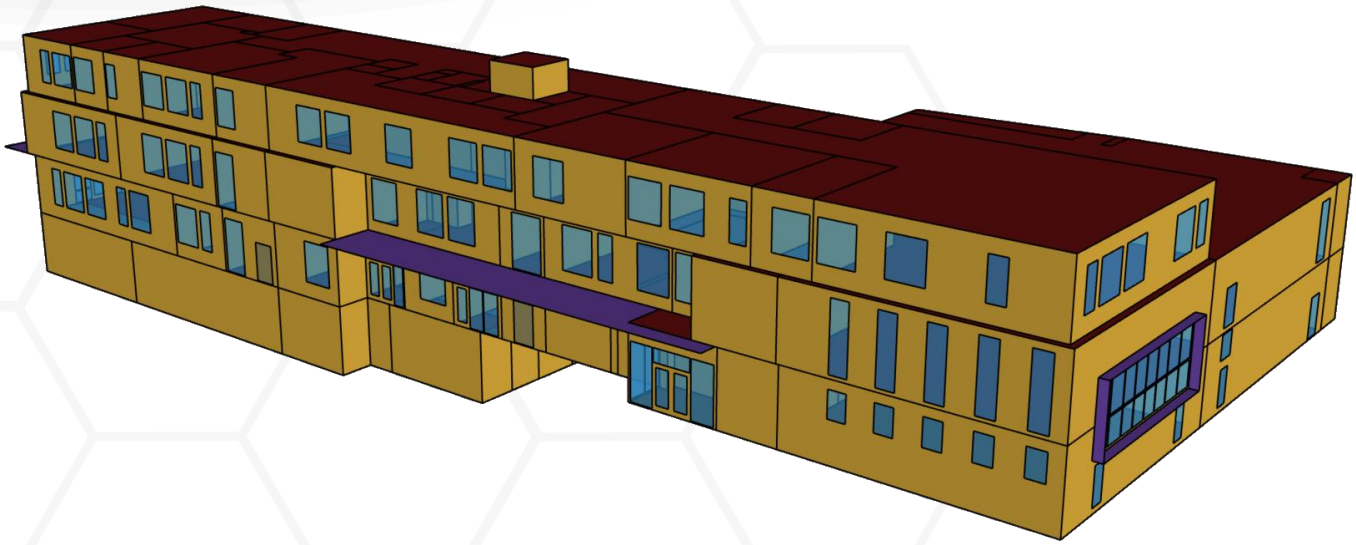
BEE ENGINEERS

TOTAL BUILDING PERFORMANCE REPORT

2021 Washington State Energy Code
ASHRAE Standard 90.1-2019, Appendix G

Barnabie Point Project

Project Address: 3700 E Mercer Way, Mercer Island, WA 98040
BEE Project #: 2403-1017



Presented to c/o Herzl Ner Tamid Synagogue
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Date of Report: 06/03/2025

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SCOPE

This report documents the final whole-building energy model prepared for the Barnabie Point Project at 3700 E Mercer Way, Mercer Island, WA 98040. The model demonstrates compliance with the 2021 Washington State Energy Code – Commercial Provisions (2021 WSEC-C) using the C407 Total Building Performance Path (TBP), which in turn references ASHRAE 90.1-2019, Appendix G.

This report serves as a comprehensive document showcasing the project's alignment with the WSEC, promoting energy efficiency.

EXECUTIVE SUMMARY

The project complies with the 2021 Washington State Energy Code. All mandatory provisions in Table C407.2 are met. Compliance is based on section C407 Total Building Performance, which refers to Normative Appendix G Performance Rating Method ASHRAE Standard 90.1-2019. The assessment, based on energy cost in ASHRAE 90.1 Section 4.2.1.1 and Appendix G, was replaced with site energy use per WSEC C407.3 #2.1.

Performance Results:

- Regulated site energy target: The project demonstrates a Performance Cost Index (PCI) of **0.402**, which is lower than the target PCI_t of **0.428**. A Building Performance Target (BPF) of **0.35** was utilized. **[COMPLIES]**
- Total site energy target: The achieved proposed building site energy use/baseline building site energy of **0.386** is lower than the Site Energy Performance Factor (SEPF) of **0.52**. This confirms that the design surpasses the total site energy use target established by the code. **[COMPLIES]**
- Energy Use Intensity (EUI): The project's EUI of **40.1 kBtu/ft²-yr**

PROJECT DESCRIPTION

The Barnabie Point Project is located at 3700 E Mercer Way on Mercer Island, WA. The three-story, steel-framed structure provides roughly 52,000 ft² of conditioned floor area dedicated to a K-8 independent school. Program spaces include general and specialty classrooms, arts and STEM labs, a double-height gymnasium, kitchen/cafeteria, multipurpose community hall, and faculty offices, along with a modest leasable office suite on the top floor.

PERFORMANCE-BASED COMPLIANCE

1. 2021 Washington State Energy Code

The C407 Total Building Performance Compliance Path is a provision within the 2021 Washington State Energy Code (WSEC) that offers an alternative method for demonstrating compliance with energy efficiency requirements. This compliance path allows building designers and developers to achieve overall energy performance goals by considering the combined performance of various building components and systems rather than meeting prescriptive requirements for individual components. By utilizing this path, designers have flexibility in optimizing energy efficiency measures throughout the entire building, leading to improved energy performance and reduced environmental impact.

Mandatory requirements. Compliance with the TBP path requires compliance with those sections shown in Table C407.2.

The building permit application for projects utilizing this method shall include all building and mechanical drawings and all information necessary to verify that the project's building envelope and mechanical design correspond with the annual energy analysis in one submittal.

Performance-based compliance. Compliance with the TBP path requires compliance with ASHRAE Standard 90.1 Appendix G, Performance Rating Method, in accordance with Standard 90.1 Section 4.2.1 with the 2021 WSEC modifications.

1. The mandatory requirements of the Washington State Energy Code are required to be met instead of those of Section G1.2.1a of Standard 90.1.

2. Compliance with Section C407 requires meeting both a regulated site energy target and a total site energy reduction target in accordance with the following:

2.1. Regulated site energy target. The regulated site energy target is focused on regulated load energy efficiency, thus shall be met only via regulated load savings without consideration of the contribution of on-site or off-site renewable energy or unregulated load savings. The building performance factors in ASHRAE 90.1 shall be replaced with those in Table C407.3(2). References to energy cost in Section 4.2.1.1 and Appendix G shall be replaced by site energy use.

2.2. Total site energy target. The total site energy performance target shall be met, including the contributions of on-site or off-site renewable energy as well as the contributions of improvements in unregulated loads as allowed by Section C407.3.4.

Table C407.3(2)

Building Area Type	Building Performance Factor
School	0.52

Table C407.3(3)

Building Area Type	Site Energy Performance Target
School	0.35

C407.3.1 Limits on non-mandatory measures. The Proposed Total UA of the proposed building shall be no more than 20 percent higher than the Allowed Total UA as defined in Section C402.1.5 (Prescriptive code requirements for thermal envelope).

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TABLE C407.2
MANDATORY COMPLIANCE MEASURES FOR TOTAL BUILDING PERFORMANCE METHOD

Section	Title	Comments
Envelope		
C401	Thermal envelope certificate	
C402.2.7	Airspaces	
C402.5	Air Leakage	
Mechanical		
C403.1.2	Calculation of heating and cooling loads	
C403.1.3	Data centers	
C403.2	System design	
C403.3.1	Equipment and system sizing	
C403.3.2	HVAC equipment performance requirements	
C403.3.3	Hot gas bypass limitation	
C403.3.4.4	Boiler turndown	
C403.4.1	Thermostatic controls	
C403.4.2	Off-hour controls	
C403.4.7	Combustion heating equipment controls	
C403.4.8	Group R-1 hotel/motel guestrooms	See Section C403.7.4
C403.4.9	Group R-2 and R-3 dwelling units	
C403.4.10	Group R-2 sleeping units	
C403.4.11	Direct digital control systems	
C403.5.5	Economizer fault detection and diagnostics (FDD)	
C403.7	Ventilation and exhaust systems	Except for C403.7.6
C403.8	Fan and fan controls	
C403.9.1.1	Variable flow controls	For cooling tower fans ≥7.5 hp
C403.9.1.2	Limitation on centrifugal fan cooling towers	For open cooling towers
C403.10	Construction of HVAC elements	
C403.11	Mechanical systems located outside of the building thermal envelope	
C403.14	Commissioning	
Service Water Heating		
C404	Service Water Heating	Except for C404.2.1
Lighting and Electrical		
C405	Electrical power and lighting systems	
Other Requirements		
C407	Total Building Performance	
C408	System commissioning	
C409	Energy metering	
C410	Refrigeration requirements	
C411	Renewable energy	
C412	Compressed air systems	

2. ASHRAE Standard 90.1-2019 Appendix G

G1.2.2 Performance Rating Calculation with 2021 Washington State Energy Code modifications

The performance of the Proposed Design is calculated in accordance with provisions of Appendix G using the following formula:

$$PCI = \frac{\text{Proposed building performance}}{\text{Baseline building performance}}$$

Both the Proposed building performance and the Baseline building performance shall include all end-use load components within and associated with the building when calculating the Performance Cost Index.

When using Appendix G, the Performance Cost Index (PCI) shall be less than or equal to the Performance Cost Index Target (PCI_t) when calculated in accordance with the following:

$$PCI_t = \frac{BBUEC + (BPF \times BBREC)}{BBP}$$

Where:

– PCI - Performance Cost Index calculated in accordance with Section G1.2.

– BBUEC - Baseline Building Unregulated Energy Cost, the portion of the annual energy cost of a Baseline building design that is due to unregulated energy use. Energy cost was replaced by site energy use.

– BBREC - Baseline Building Regulated Energy Cost, the portion of the annual energy cost of a Baseline building design that is due to regulated energy use. Energy cost was replaced by site energy use.

– BPF - Building Performance Factor from Table 4.2.1.1. For building area types not listed in Table 4.2.1.1 use “All others.” Where a building has multiple building area types, the required BPF shall be equal to the area-weighted average of the building area types. The building performance factor in Table C4.2.1.1 was replaced with those in Table C407.3(2).

– BBP - Baseline Building Performance

Performance calculations based on carbon emissions:

BPF = 0.35

BBUEC = 159,035 [kWh] × 0.003412969 = 543 [MBtu]

BBREC = 632,718 [kWh] × 0.003412969 +23,721 [Therm] × 0.1 - 159,035 [kWh] × 0.003412969 = 3,989 [MBtu]

PBP = 527,449 [kWh] × 0.003412969 + 195 [Therm] × 0.1 = 1,820 [MBtu]

BBP = 543 [MBtu] + 3,989 [MBtu] = 4,532 [MBtu]

PCIt = [543 + (0.35 × 3,989)] / 4,532 = 0.428

PCI = 1,820 / 4,532 = 0.402

PCI<PCIt

Percent of improvement: 6.15%

Proposed building site energy use / Baseline building site energy use = 1,749 / 4,532 = 0.386 ≤ 0.52 = Site Energy Performance Target

METHODOLOGY DESCRIPTION

The calculation procedure used to comply with Normative Appendix G Performance Rating Method ASHRAE Standard 90.1 is eQUEST/DOE2-2 v3.65 a software tool tested according to ASHRAE Standard 140 and capable of calculating the annual energy consumption of all building elements that differ between the Baseline Design and the Proposed Design. It includes the following capabilities:

a. 8760 hours per year
b. Hourly variations in occupancy, lighting power, miscellaneous equipment power, thermostat set points, and HVAC system operation, defined separately for each day of the week and holidays
c. Thermal mass effects
d. Ten or more thermal zones
e. Part-load performance curves for mechanical equipment
f. Capacity and efficiency correction curves for mechanical heating and mechanical cooling equipment.
g. Air economizers with integrated control
h. Baseline building design characteristics specified in Section G3

Informative Note:

Neither the proposed building performance nor the baseline building performance are predictions of actual energy consumption or costs for the proposed design after construction. Actual experience will differ from these calculations due to variations such as occupancy, building operation, and maintenance, weather, energy use not covered by this procedure, changes in energy rates between the design of the building and occupancy, and the precision of the calculation tool.

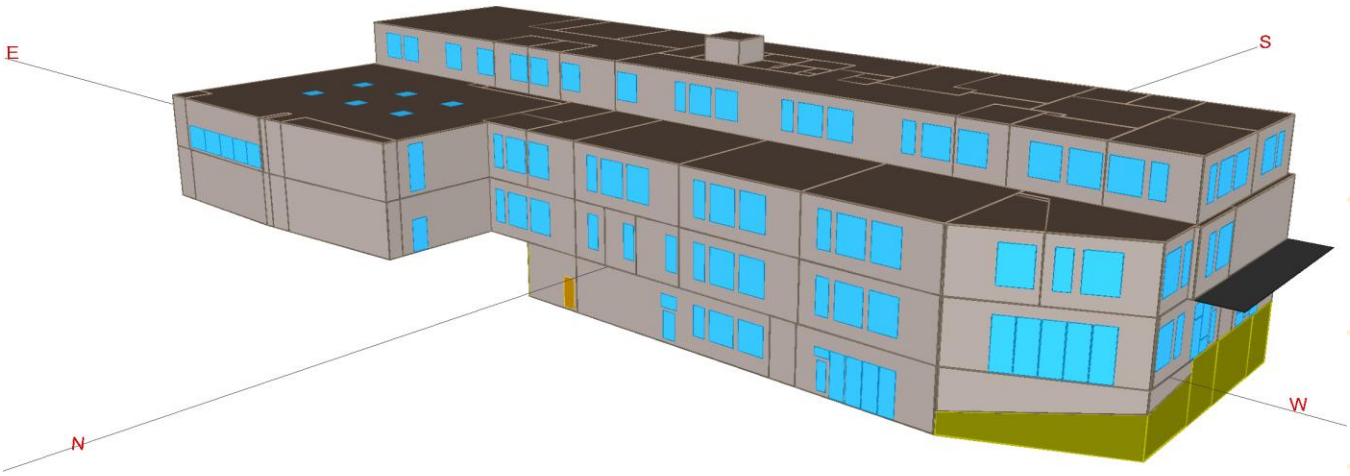

Figure 1: eQUEST 3D NW view of Energy Model.

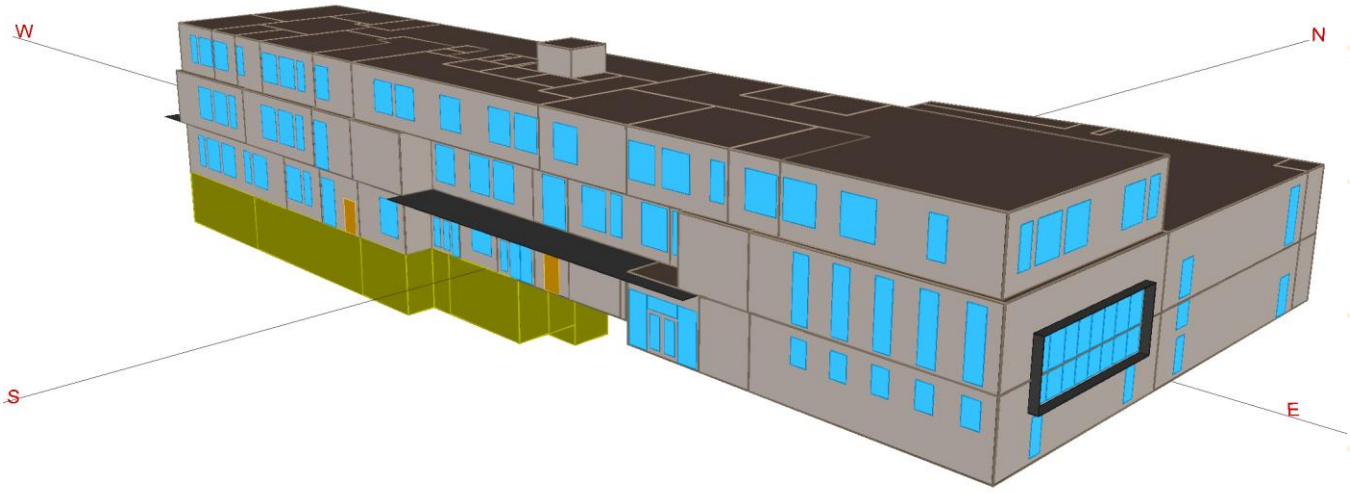

Figure 2: eQUEST 3D SE view of Energy Model.

A. APPENDIX. ENERGY ANALYSIS SUMMARY FORM

1. Energy consumption by end-use portion

ENERGY CONSUMPTION BY END-USE												
END USE	FUEL SOURCE	Baseline Design				Proposed Design				Difference		
		Total Energy Use Estimate, BTU	EUI, BTU/ CFA-Year	% of Baseline Design Total	Ref.	Total Energy Use Estimate, BTU	EUI, BTU/ CFA-Year	% of Proposed Design Total	Ref.	Total Energy Use Estimate, BTU	EUI, BTU/ CFA-Year	% of Baseline Design Total
Lighting - interior	ELEC.	616,259,781	14,124	13.6%	PS-F	375,229,624	8,600	21.5%	PS-F	241,030,157	5,524	8.7%
Lighting - exterior	ELEC.	17,326,847	397	0.4%	PS-F	17,326,847	397	1.0%	PS-F	0	0	0.0%
Space Heating - Electricity	ELEC.	0	0	0.0%	PS-F	63,465,804	1,455	3.6%	PS-F	-63,465,804	-1,455	-2.3%
Space Heating - Fossil Fuel	GAS	2,341,340,286	53,661	51.7%	PS-F	19,495,340	447	1.1%	PS-F	2,321,844,946	53,215	83.5%
Space Cooling	ELEC.	248,564,163	5,697	5.5%	PS-F	114,299,866	2,620	6.5%	PS-F	134,264,297	3,077	4.8%
Ventilation	ELEC.	715,778,256	16,405	15.8%	PS-F	666,418,239	15,274	38.1%	PS-F	49,360,017	1,131	1.8%
Service water heating	GAS / ELEC.	30,192,782	692	0.7%	PS-F	13,689,506	314	0.8%	PS-F	16,503,277	378	0.6%
Miscellaneous equipment	ELEC.	542,649,685	12,437	12.0%	PS-F	542,649,685	12,437	31.0%	PS-F	0	0	0.0%
Auxiliary & Supplementary	ELEC.	18,347,077	420	0.4%	PS-F	6,653,673	152	0.4%	PS-F	11,693,404	268	0.4%
On-site renewable energy	ELEC.	0	0	0.0%	PS-C	-70,322,841	-1,612	-4.0%	PS-C	70,322,841	1,612	2.5%
Total		**4,530,455,465**	**103,834**	**100.0%**		**1,748,902,330**	**40,083**	**100.0%**		**2,781,553,135**	**63,751**	
Percent of Baseline Design:			**100.00%**				**38.60%**				**61.40%**	

*Per Appendix G of ASHRAE 90.1, spaces that are not heated or cooled in the proposed design are modeled with heating and cooling heating and cooling systems that match what is required for the baseline model. This ensures consistency in energy modeling comparisons and aligns with compliance requirements for performance-based evaluations.

2. Specifications for the Baseline and the Proposed Design

Building Component	Baseline		Proposed	
	Description	Source	Description	Source
Thermal Envelope				
Roofs	Total Area: 16,734 ft² Insulation entirely above deck (Nonresidential) U-Factor 0.063	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 16,734 ft² Insulation entirely above deck Area: 16,659 ft² U-Factor 0.025 Attic/other Area: 75 ft² U-Factor 0.020	Thermal Envelope Energy Forms 05/22/2025
Walls, Above-Grade	Total Area: 16,194 ft² Steel-framed (Nonresidential) U-Factor 0.124	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 16,194 ft² Mass Area: 959 ft² U-Factor 0.244 (weighted average) Steel-framed Area: 15,235 ft² U-Factor 0.046	Thermal Envelope Energy Forms 05/22/2025
Walls, Below-Grade	Total Area: 3,204 ft² Below-grade wall (Nonresidential) C-Factor 1.14	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 3,204 ft² Mass Area: 3,204 ft² U-Factor 0.080	Thermal Envelope Energy Forms 05/22/2025
Floors	Total Area: 579 ft² Steel-joist (Nonresidential) U-Factor 0.052	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 579 ft² Steel-framing/joist Area: 579 ft² U-Factor 0.044	Thermal Envelope Energy Forms 05/22/2025
Slab-on-Grade Floors	Total Perimeter: 421 ft Unheated (Nonresidential) F-Factor 0.73	Table G3.4-4 ASHRAE 90.1-2019	Total Perimeter: 421 ft Unheated Perimeter: 421 ft F-Factor 0.54 (weighted average)	Thermal Envelope Energy Forms 05/22/2025
Opaque Doors	Total Area: 99 ft² Swinging (Nonresidential) U-Factor 0.7	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 99 ft² Swinging Door Area: 99 ft² U-Factor 0.37	Thermal Envelope Energy Forms 05/22/2025

Building Component	Baseline		Proposed	
	Description	Source	Description	Source
Fenestration	Total Area: 6,163 ft² Vertical Glazing (Nonresidential) U-0.57 SHGC-0.39 Skylights (Nonresidential) U-0.69 SHGC-0.49	Table G3.4-4 ASHRAE 90.1-2019	Total Area: 6,163 ft² Metal (Fixed) Area: 1,729 ft² U-0.34 SHGC-0.38 Non-Metal (Fixed) Area: 1,644 ft² U-0.26 SHGC-0.35 Non-Metal (Operable) Area: 2,413 ft² U-0.28 SHGC-0.35 Metal-Entrance Area: 275 ft² U-0.6 SHGC-0.33 Skylights Area: 102 ft² U-0.50 SHGC-0.68	Thermal Envelope Energy Forms 05/22/2025
Air Leakage	1 cfm/ft²	Table G3.1 ASHRAE 90.1-2019	0.25 cfm/ft²	BE800
Electrical Systems				
Lighting, Interior	Lighting Power Density: Audience/seating area: 0.90 W/ft² Classroom/lecture hall/training room: 1.40 W/ft² Conference/Meeting/Multipurpose: 1.30 W/ft² Corridor, Other: 0.50 W/ft² Electrical/Mechanical: 1.5 W/ft² Food Preparation: 1.20 W/ft² Gymnasium/fitness center: 0.90 W/ft² Lobby, Other: 1.30 W/ft² Lounge/Break, Other: 1.20 W/ft² Office, Enclosed <= 250 ft²: 1.10 W/ft²	Table G3.7 ASHRAE 90.1-2019	Lighting Power Density: Audience/seating area: 0.61 W/ft² Classroom/lecture hall/training room: 0.71 W/ft² Conference/Meeting/Multipurpose: 0.97 W/ft² Corridor, Other: 0.41 W/ft² Electrical/Mechanical: 0.43 W/ft² Food Preparation: 1.09 W/ft² Gymnasium/fitness center: 0.90 W/ft² Lobby, Other: 0.84 W/ft² Lounge/Break, Other: 0.59 W/ft² Office, Enclosed <= 250 ft²: 0.74 W/ft²	2021 WSEC, Table C405.4.2(2)

Building Component	Baseline		Proposed	
	Description	Source	Description	Source
	Office, Enclosed > 250 ft²: 1.10 W/ft² Restrooms, Other: 0.90 W/ft² Stairway: 0.60 W/ft² Storage, Other: 0.80 W/ft²		Office, Enclosed > 250 ft²: 0.66 W/ft² Restrooms, Other: 0.63 W/ft² Stairway: 0.49 W/ft² Storage, Other: 0.38 W/ft²	
Lighting, Exterior	4.42 kW	Table G3.6 ASHRAE 90.1-2019	1.49 kW	2021 WSEC, Table C405.5.3(2)
Receptacle and Other Loads	Same as Proposed	Table G3.1 ASHRAE 90.1-2019	Equipment Power Density: Audience/seating area: 0.59 W/ft² Classroom/lecture hall/training room: 0.59 W/ft² Conference/Meeting/Multipurpose: 0.73 W/ft² Corridor, Other: 1.39 W/ft² Electrical/Mechanical: 1.39 W/ft² Food Preparation: 1.39 W/ft² Gymnasium/fitness center: 0.67 W/ft² Lobby, Other: 1.39 W/ft² Lounge/Break, Other: 1.39 W/ft² Office, Enclosed <= 250 ft²: 0.75 W/ft² Office, Enclosed > 250 ft²: 0.75 W/ft² Restrooms, Other: 1.39 W/ft² Stairway: 1.39 W/ft² Storage, Other: 0.31 W/ft²	COMNET Appendix B
On-Site Renewable Energy	No on-site renewable energy is required	C411.1 2021 WSEC	PV System: 20.2 kW	
HVAC Systems				

Building Component	Baseline		Proposed	
	Description	Source	Description	Source
Heating	Entire building: System 5 – Packaged VAV with reheat Heating type – Hot-water fossil fuel boiler Efficiency: 80% Fan power – P_{fan} = bhp × 746/fan motor efficiency System 9 – Heating and ventilation Heating type – Fossil fuel furnace Efficiency: 80% Fan power – Pfan = CFMs × 0.3	Table G3.1.1-3,4; Table G3.5.6 ASHRAE 90.1-2019	**Gym:** Rooftop unit (RTU-R-1), COP-3.4@47°F Rooftop unit (RTU-R-2), HSPF-8.2 **Elev. Mach., IDF:** Ductless Split System (DXFC), COP-4.35@47°F **Primary Building areas (Classrooms, offices, rental, chapel, etc):** VRF System (VRF-R), COP-3.36-3.8@47°F	M7.02
Cooling	Entire building: System 5 – Packaged VAV with reheat Cooling type – Direct expansion Efficiency – COP-3.5 Fan power – Pfan = CFMs × 0.3	Table G3.1.1-3,4; Table G3.5.6 ASHRAE 90.1-2019	**Gym:** Rooftop unit (RTU-R-1), IEER-14.1 Rooftop unit (RTU-R-2), SEER2-13.4 **MDF, Elev. Mach., IDF:** Ductless Split System (DXFC), SEER-21.3 **Primary Building areas (Classrooms, offices, rental, chapel, etc):** VRF System (VRF-R), EER-9.3-11.0	M7.02
Energy Recovery	No energy recovery in BD		Entire building: -Energy Recovery Ventilation Sensible Efficiency: 63-74.9% Total Efficiency: 59.1-74.5%	M7.02
Plumbing				
Service Water Heating	Gas Storage Water Heater Efficiency: 80%	Table G3.1.1-2; Table 7.8 ASHRAE 90.1-2019	Heat Pump Water Heater: COP-4.3	P7.02
Other				
Schedules	Same as Proposed	Table G3.1 ASHRAE 90.1-2019	Simulated according to Appendix G	COMNET Appendix C

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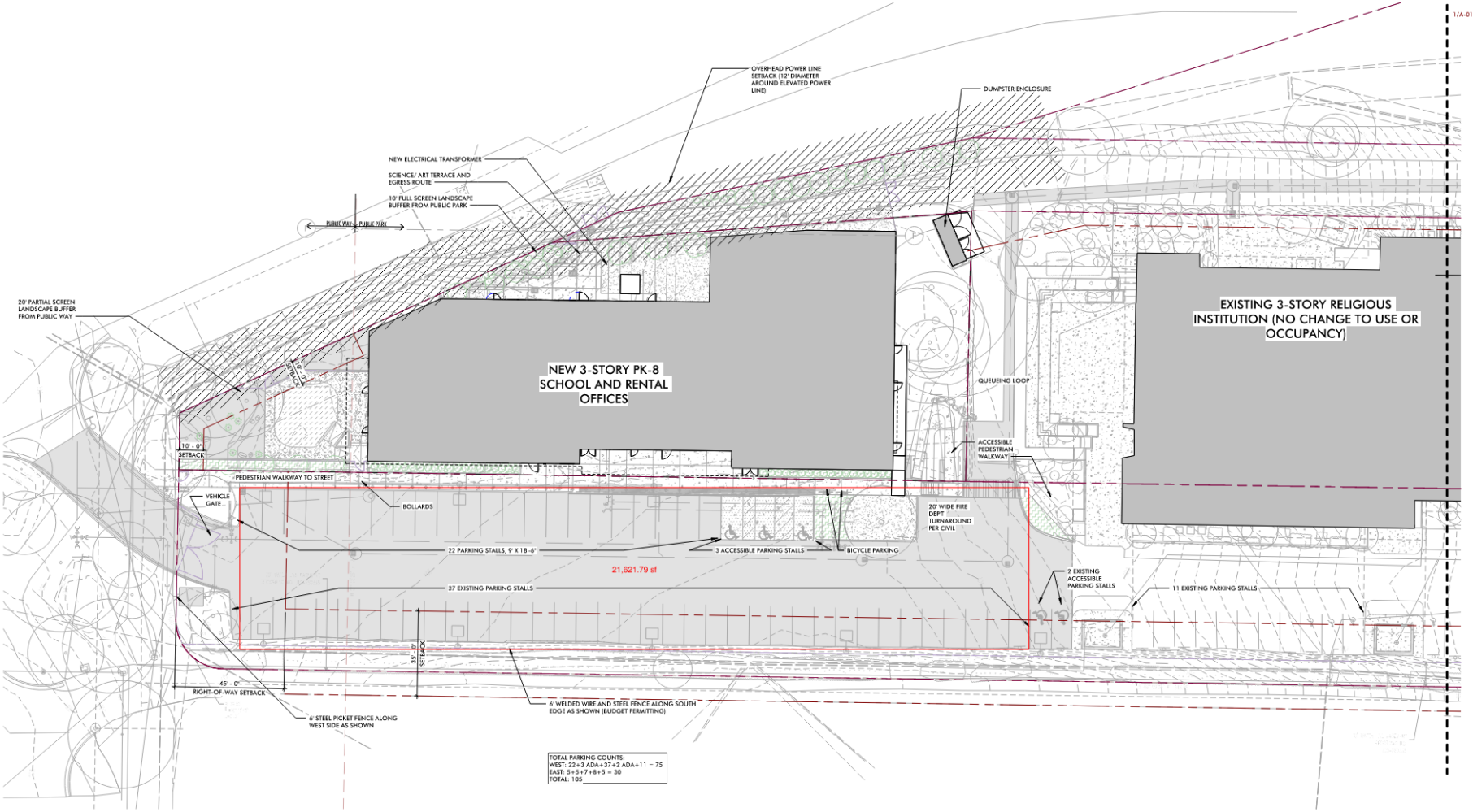
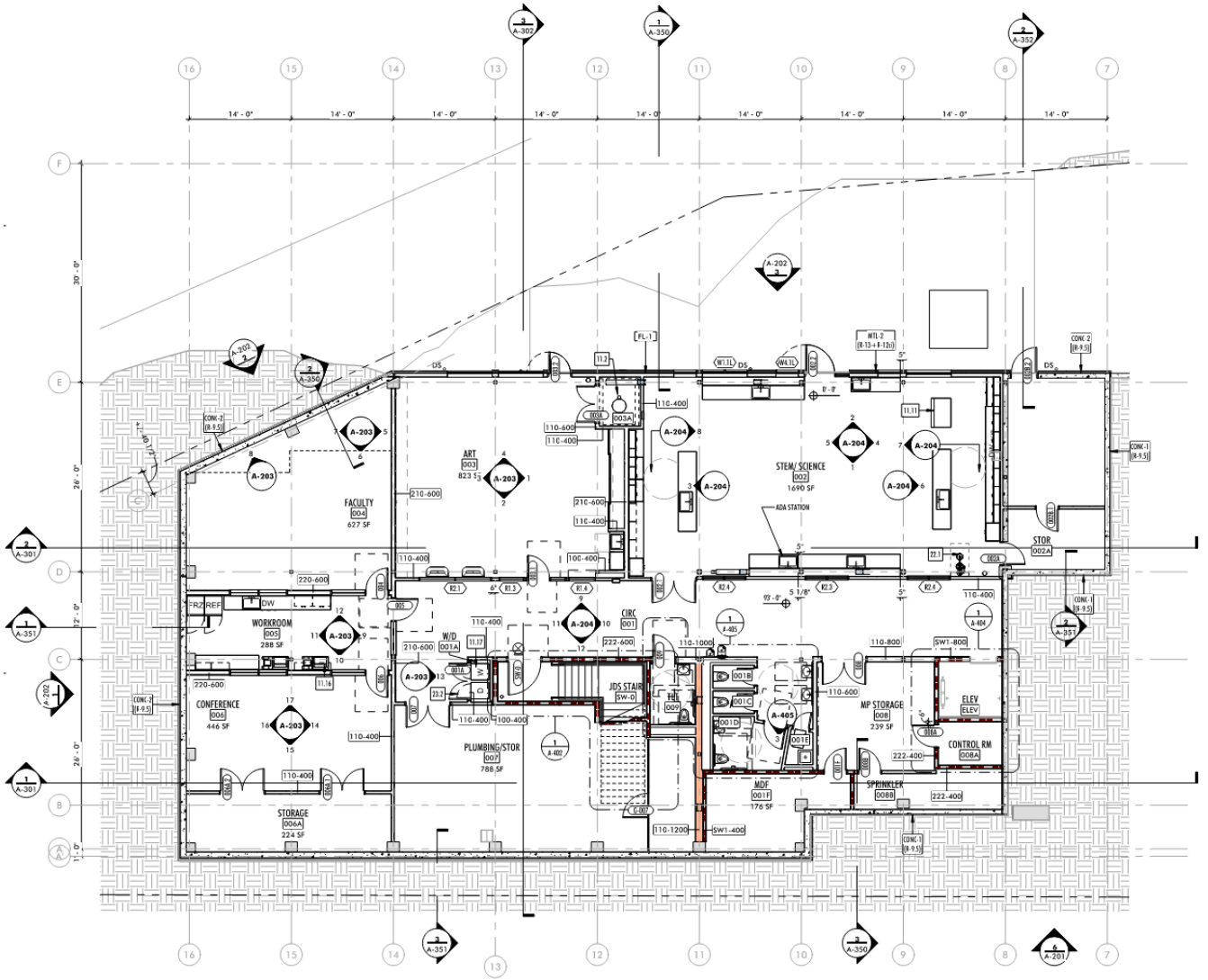
B. APPENDIX. GENERAL INFORMATION

1. Site plan



1 SITE PLAN-ENLARGED WEST
1" = 20'-0"

2. Building elevations and floor plans



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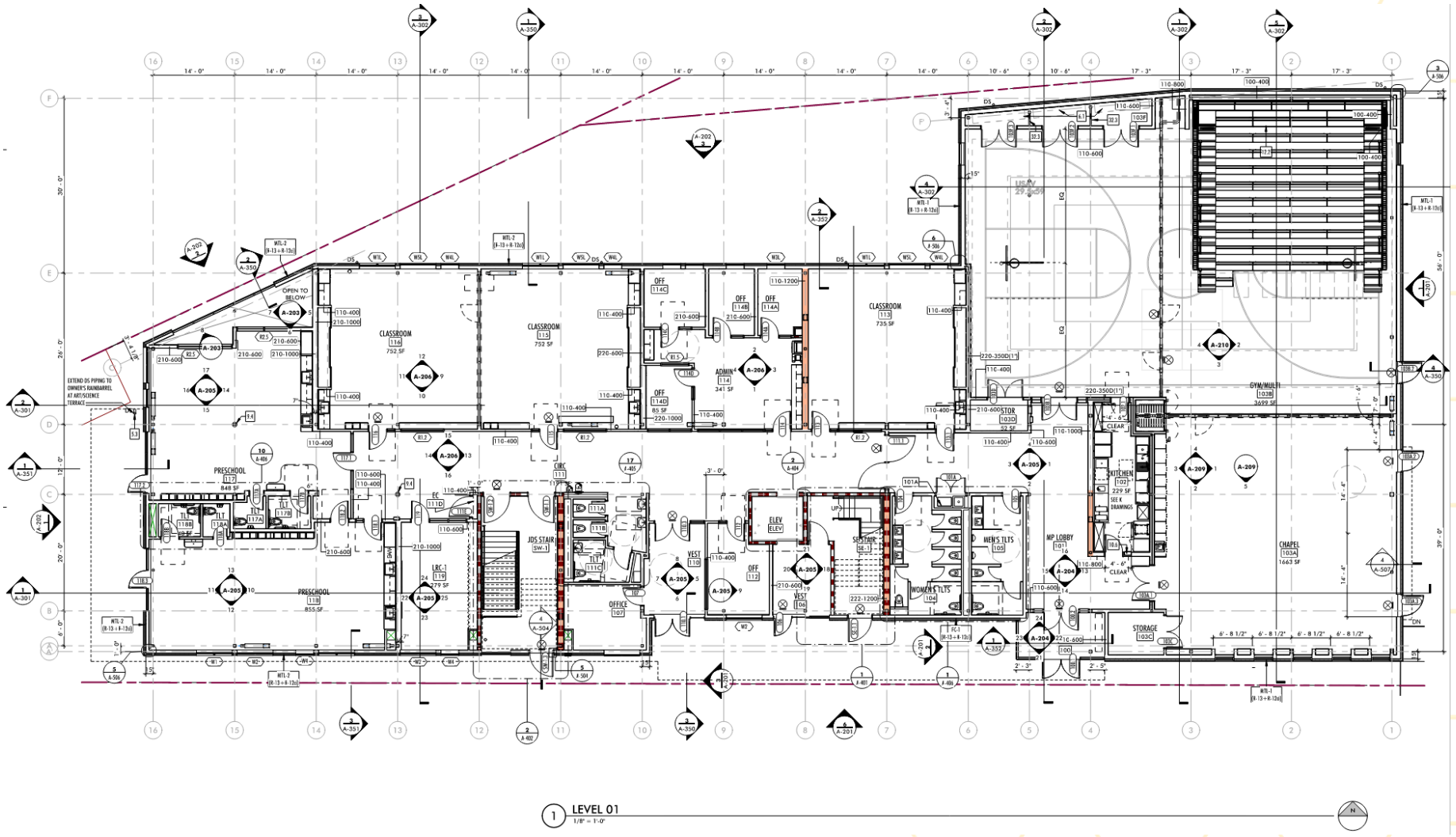

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1/8" = 1'-0"

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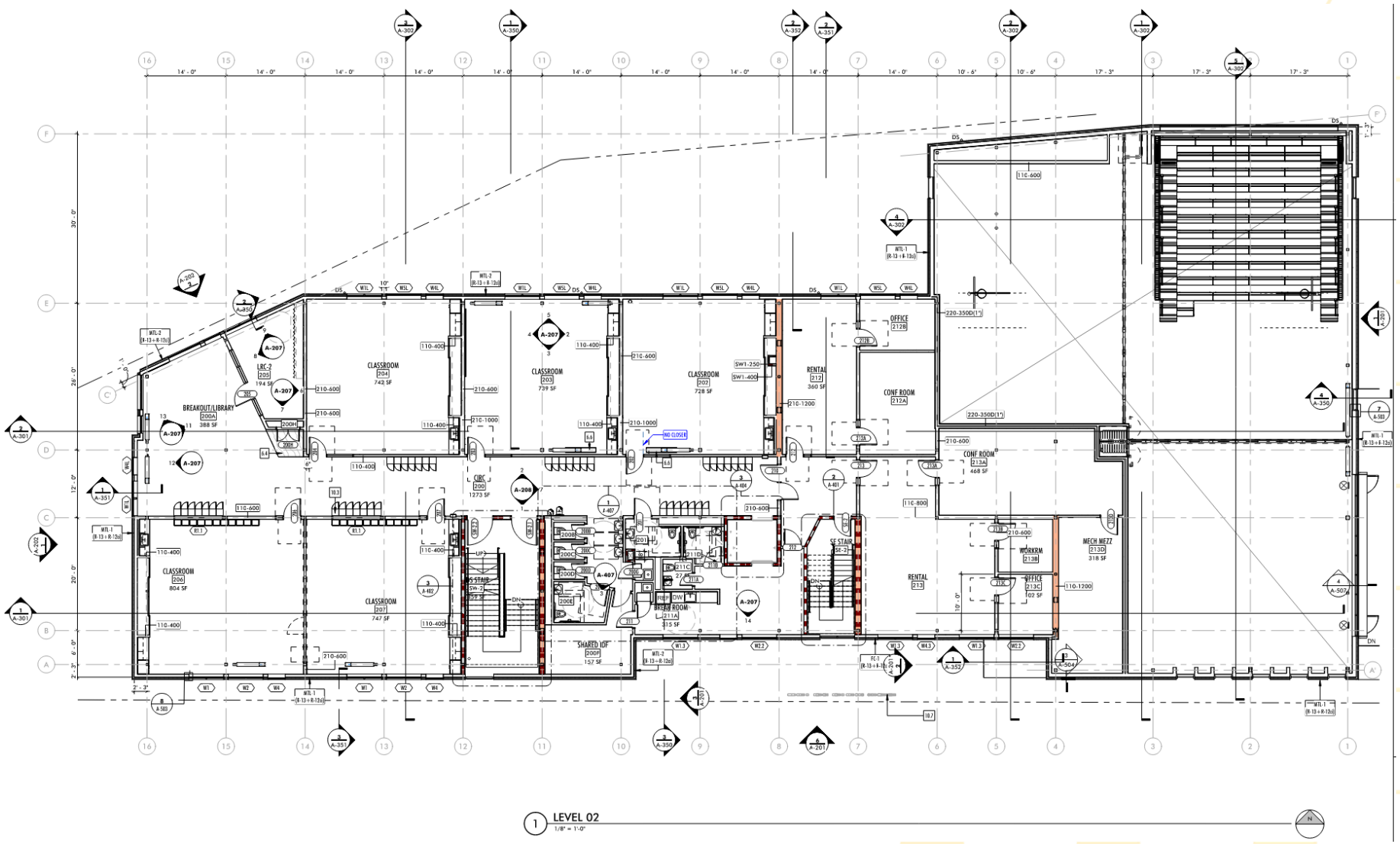

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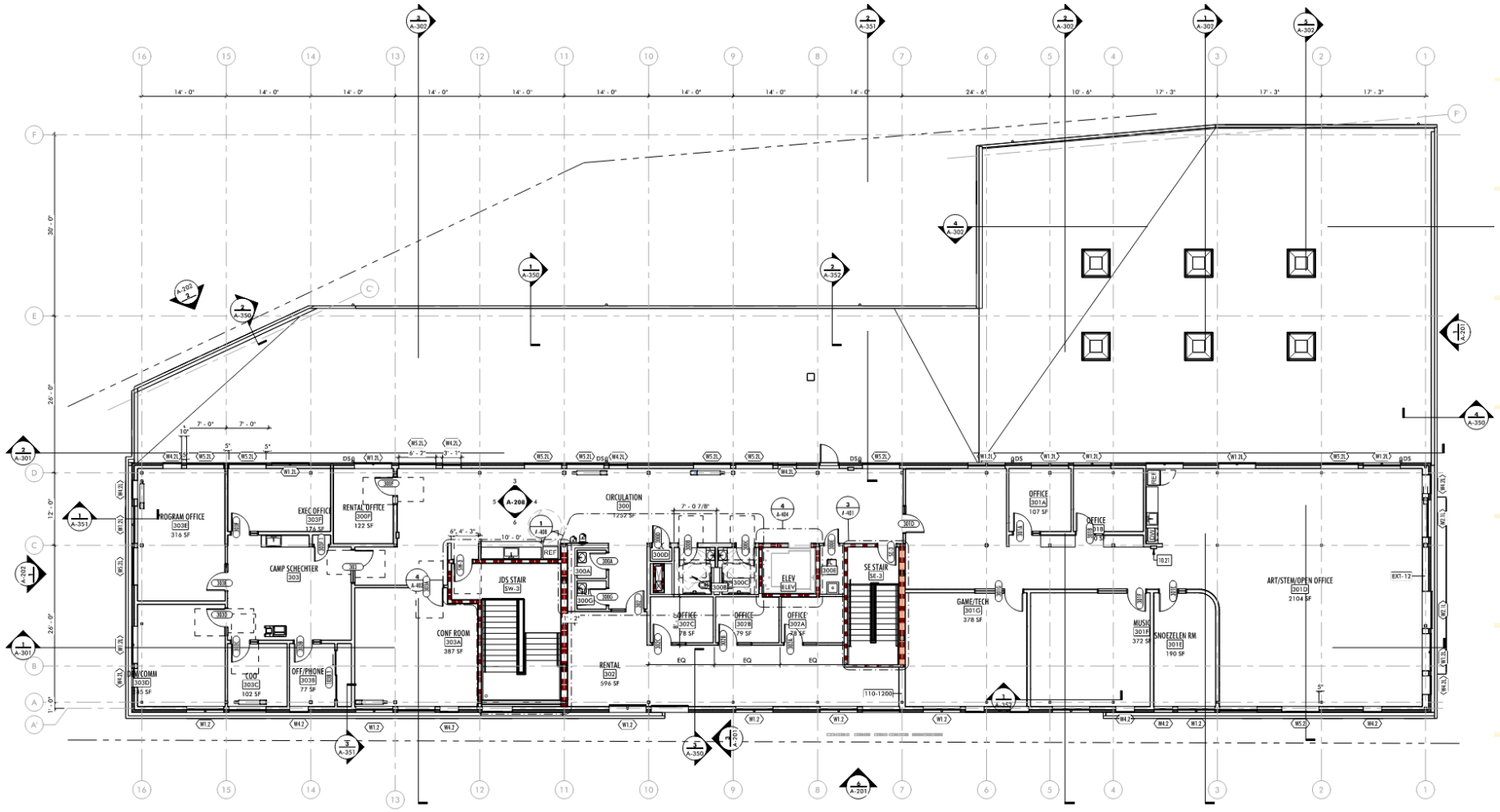

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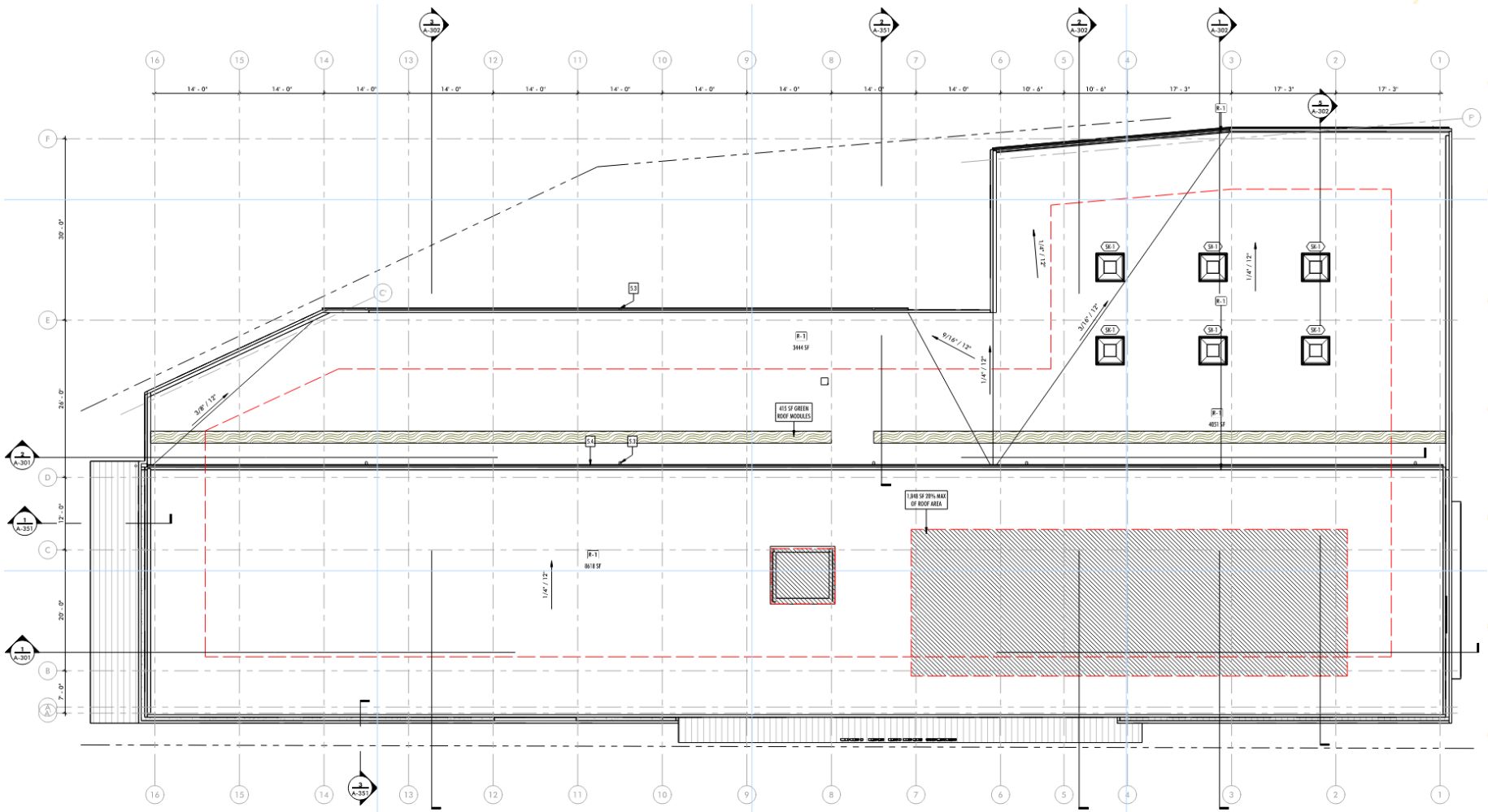

1 ROOF PLAN
1/8" = 1'-0"

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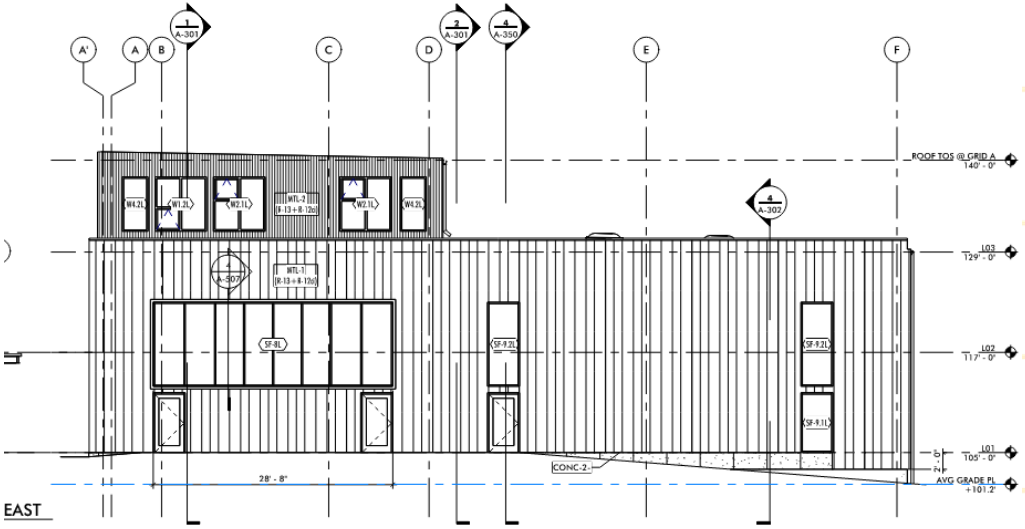
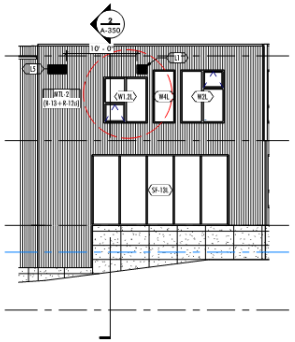
6 SOUTH ELEVATION
1/8" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"

3 NORTH ELEVATION
1/8" = 1'-0"



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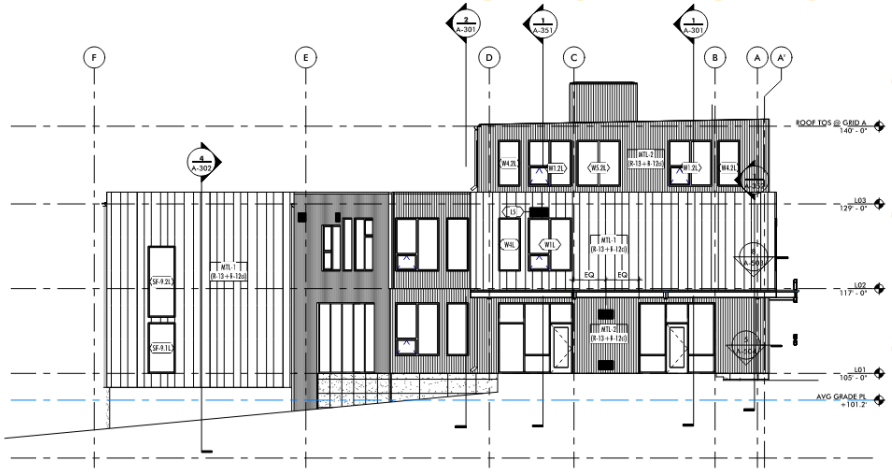
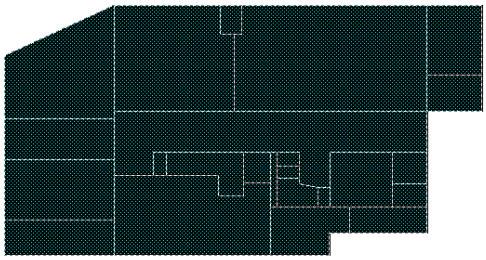


1 WEST ELEVATION
1/8" = 1'-0"

3. Thermal Blocks



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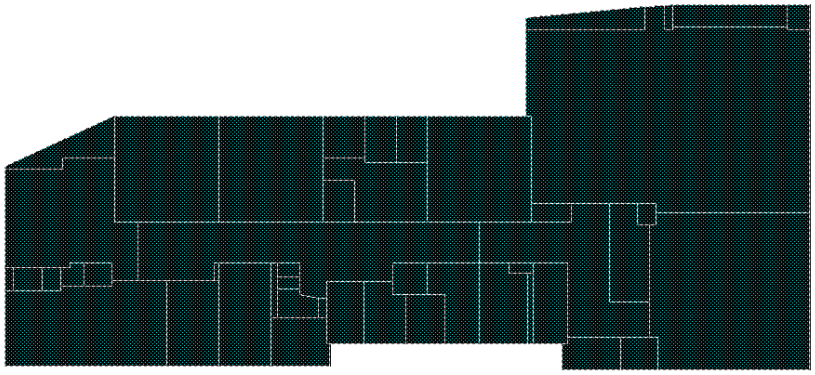

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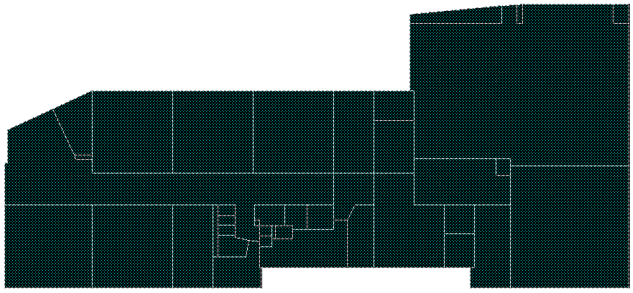
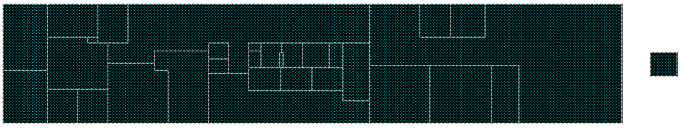


Level L02



Level L03

Roof

C. APPENDIX. BUILDING ENVELOPE

1. Thermal Envelope Energy Forms

Project Title	BARNABIE POINT K-8 - 2021 WSEC				Date	May 22, 2025	
U x A Calculation	**NEW BUILDING - FULLY CONDITIONED**				**COMPLIES**		
Opaque Envelope Assemblies		**PROPOSED**			**TARGET**		
Roof/Ceiling	**Assembly ID**	**Roof/Ceiling Assembly U-Factor**	**Net Area (SF)**	**U x A**	**Roof/Ceiling Assembly U-Factor**	**Net Area (SF)**	**U x A**
Insulation entirely above deck	R1 / Levels 2, 3, Roof	0.025	16,659.0	416.5	0.027	16,659.0 (1)	449.8
Attic and other	Vestibule / Level 1	0.020	75.0	1.5	0.021	75.0 (1)	1.6
Walls	**Assembly ID**	**Wall Assembly U-factor**	**Net Area (SF)**	**U x A**	**Wall Assembly U-factor**	**Net Area (SF)**	**U x A**
Steel-framed - Commercial	MTL-1, MTL-2, FC-1 / Levels B, 1-3, Roof	0.046	15,235.0	700.8	0.055	15,235.0 (1)	837.9
Mass (precast concrete) - Commercial	CONC-2 / Level B	0.088	357.0	31.4	0.104	357.0 (1)	37.1
Mass (precast concrete) - Commercial	Elevator Pit	0.080	154.0	12.3	0.104	154.0 (1)	16.0
Mass (precast concrete) - Commercial	CONC-1 / Level B	0.080	3,050.0	244.0	0.104	3,050.0 (1)	317.2
Floors and Edges	**Assembly ID**	**Floor Assembly U-Factor**	**Net Area (SF)**	**U x A**	**Floor Assembly U-Factor**	**Net Area (SF)**	**U x A**
Steel-framing/joist	SOF-1 / Levels 2, 3	0.044	579.0	25.5	0.029	579.0 (1)	16.8
Mass transfer deck slab	Transfer / Levels 2, 3	0.741	229.0	169.7	0.20	229.0 (1)	45.8
Intermediate mass floor edge - Commercial	Slab Edge / Levels 1-3	0.088	373.0	32.8	0.104	373.0 (1)	38.8
Slab on Grade Floors		**PROPOSED**			**TARGET**		
Slab-on-grade Floors	**Assembly ID**	**F-Factor**	**Perimeter Length (LF)**	**U x A**	**F-Factor**	**Perimeter Length (LF)**	**U x A**
Unheated slab	FL-1 / Levels 1, B	0.54	421.0	227.3	0.54	421.0 (1)	227.3
Fenestration Assemblies		**PROPOSED**			**TARGET**		
Opaque Doors	**Assembly ID**	**Door Assembly U-Factor**	**Assembly Rough Opening (SF)**	**U x A**	**Door Assembly U-Factor**	**Assembly Rough Opening (SF)**	**U x A**
Swinging	SE-1.1, SW-1.3, 002B.2, 103B.3	0.37	99.0	36.6	0.37	99.0 (1)	36.6
Vertical Fenestration	**Assembly ID**	**Fenestration U-Factor**	**Assembly Rough Opening (SF)**	**U x A**	**Fenestration U-Factor**	**Assembly Rough Opening (SF)**	**U x A**
Fixed - Class AW or site built	Storefronts: SF1-SF15	0.34	1,729.0	587.9	0.34	1,729.0 (1)	587.9
Fixed - All other types	W4, W4.1, W4.2, W4.3, W4.4, W5, W5.1, W5.2, W5.3	0.26	1,644.0	427.4	0.26	1,644.0 (1)	427.4
Operable - All other types	W1, W1.1, W1.2, W1.3, W2, W2.1, W2.2, W3	0.28	2,413.0	675.6	0.28	2,413.0 (1)	675.6

Glazed Doors	Assembly ID	Glazed Door U-Factor	Assembly Rough Opening (SF)	U x A	Glazed Door U-Factor	Assembly Rough Opening (SF)	U x A
Swinging entrance door	Metal entrance door: 002.2, 003.2, 100.1, 106, 110.1, 117.2, 118.3, 103A.2, 103A.3, 103B.2	0.60	275.0	165.0	0.60	275.0 (1)	165.0

Skylights	Assembly ID	Skylight U-Factor	Assembly Rough Opening (SF)	U x A	Skylight U-Factor	Assembly Rough Opening (SF)	U x A
All types	Skylights: SK-1	0.50	102.0	51.0	0.50	102.0 (1)	51.0

	Proposed Area	Proposed UxA	Target Area	Target UxA
Project Totals	43,394	3,805	43,394	3,932

Project Title	BARNABIE POINT K-8 - 2021 WSEC	Date	May 22, 2025

SHGC x A Calculation	NEW BUILDING - FULLY CONDITIONED					COMPLIES		
Fenestration Assemblies			PROPOSED			TARGET		
Glazed Doors	Assembly ID	PF	Glazed Door SHGC	Assembly Rough Opening (SF)	SHGC x A	Glazed Door SHGC	Assembly Rough Opening (SF)	SHGC x A
Swinging entrance door	Metal entrance door: 002.2, 003.2, 100.1, 106, 110.1, 117.2, 118.3, 103A.2, 103A.3, 103B.2	PF < 0.2	0.33	275.0	90.8	0.33	275.0 (1)	90.8
Horizontal	**Assembly ID**	**PF**	**Skylight SHGC**	**Assembly Rough Opening (SF)**	**SHGC x A**	**Skylight SHGC**	**Assembly Rough Opening (SF)**	**SHGC x A**
Skylights	Skylights: SK-1		0.68	102.0	69.4	0.35	102.0 (1)	35.7
Vertical Fenestration	**Assembly ID**	**PF**	**Fenestration SHGC**	**Assembly Rough Opening (SF)**	**SHGC x A**	**Fenestration SHGC**	**Assembly Rough Opening (SF)**	**SHGC x A**
Fixed - Class AW or site built	Storefronts: SF1-SF15	PF < 0.2	0.38	1,729.0	657.0	0.38	1,729.0 (1)	657.0
Fixed - All other types	W4, W4.1, W4.2, W4.3, W4.4, W5, W5.1, W5.2, W5.3	PF < 0.2	0.35	1,644.0	575.4	0.38	1,644.0 (1)	624.7
Operable - All other types	W1, W1.1, W1.2, W1.3, W2, W2.1, W2.2, W3	PF < 0.2	0.33	2,413.0	796.3	0.33	2,413.0 (1)	796.3

	Proposed Area	Proposed SHGC x A	Target Area	Target SHGC x A
Project Totals	6,163	2,189	6,163	2,204

BEE ENGINEERS

E. APPENDIX. SPACE HEATING AND SPACE COOLING

HVAC equipment has been modeled according to p. M7.02:

VRF CONDENSING UNIT SCHEDULE (AIR-COOLED - MULTI-SPLIT SYSTEM)

(VCU) TAG	AREA SERVED	INSTALLED LOCATION	MANUFACTURER	MODEL	HEATING TYPE (HEAT PUMP HEAT RECOVERY)	MODULES PER UNIT	NOMINAL CAPACITY			EQUIPMENT EFFICIENCY								ELECTRICAL DATA						WEIGHT (LBS)	NOTES
							COOLING (TONS)	COOLING (MBH)	HEATING (MBH)	IEER	EER	COP AT 47 °F	COP AT 17 °F	IEER	EER	COP AT 47 °F	COP AT 17 °F	EMERG POWER	VOLTAGE/ PHASE	MCA (AMPS)	MOCP (AMPS)	MFS (AMPS)		
VRF-R-1	LEVEL B & 1	ROOF	TRANE MITSUBISHI	TURYE288J3BN41AN	HEAT RECOVERY	2	24	276	304	12.5	9.3	3.2	2.05	20.1	9.35	3.36	2.06	N	208/3	60 / 60	100 / 100	60 / 60	1360	
VRF-R-2	LEVEL 2	ROOF	TRANE MITSUBISHI	TURYE216J3BN41AN	HEAT RECOVERY	2	18	206	232	13.7	10.4	3.2	2.05	20.9	10.45	3.72	2.12	N	208/3	56 / 44	90 / 70	60 / 45	1235	
VRF-R-3	LEVEL 3	ROOF	TRANE MITSUBISHI	TURYE216J3BN41AN	HEAT RECOVERY	2	18	206	232	13.7	10.4	3.2	2.05	20.9	10.45	3.72	2.12	N	208/3	56 / 44	90 / 70	60 / 45	1235	
VRF-R-4	CHAPEL	ROOF	TRANE MITSUBISHI	NTXMSM96A1123AA	HEAT PUMP	1	8	92	103	14.6	11.0	3.3	2.25	21.2	11.8	3.8	2.47	N	208/3	32	58	40	433	

1. POWER, WIRING, AND DISCONNECT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. UNIT REQUIRES SEPARATE POWER CONNECTIONS FOR EACH MODULE. SEE EQUIPMENT SUBMITTALS FOR POWER REQUIREMENTS FOR INDIVIDUAL MODULES.
3. NOMINAL COOLING AND HEATING CAPACITY FOR EQUIPMENT BASED ON MANUFACTURER'S DATA.
4. CORRECTED COOLING AND HEATING CAPACITY BASED ON DESIGN CONDITIONS AND FROM MANUFACTURER'S SELECTION DATA.
5. CODE MINIMUM ENERGY EFFICIENCIES ARE BASED ON THE 2021 WASHINGTON STATE ENERGY CODE.
6. THE EQUIPMENT EFFICIENCIES ARE BASED ON THE AHRI RATED EFFICIENCIES AS PROVIDED BY THE EQUIPMENT MANUFACTURER.

VRF FAN COIL SCHEDULE

(VFC) TAG	AREA SERVED	MANUFACTURER	MODEL	CONFIGURATION (HORIZONTAL/ VERTICAL/ CEILING/WALL)	HEATING TYPE (HEAT PUMP/ HEAT RECOVERY)	CONNECTED VRF CONDENSER	CONNECTED HRB/BC/BS (2)	NOMINAL CAPACITY (3)			DESIGN CAPACITY (4)			OUTSIDE AIR DATA			SUPPLY FAN AND MOTOR DATA										ELECTRICAL DATA					FILTER EFFICIENCY (MERV)	WEIGHT (LBS)	NOTES
								COOLING TOTAL (MBH)	COOLING SENSIBLE (MBH)	HEATING (MBH)	COOLING TOTAL (MBH)	COOLING SENSIBLE (MBH)	HEATING (MBH)	ECONOMIZER (Y/N)	ECONOMIZER EXCEPTION (5)	AIRFLOW (CFM)	FAN QTY	MOTOR TYPE	E.S.P. (IN WC)	FAN ONLY MODE (6) AIRFLOW (CFM)	FAN ONLY MODE (6) POWER (W)	FAN ONLY MODE (6) WATTS/ CFM	HEATING/COOING MODE (7) AIRFLOW (CFM)	HEATING/COOING MODE (7) POWER (W)	HEATING/COOING MODE (7) WATTS/ CFM	POWER TYPE (8)	VOLTAGE/ PHASE	FLA (AMPS)	MCA (AMPS)	MFS (AMPS)			
VFC-B-1	CONFERENCE 006	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-B-1	12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46	
VFC-B-2	WORKROOM 005	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-B-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-B-3	FACULTY 004	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-B-1	12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46	
VFC-B-4	ART 003	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-B-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-B-5A	STEM / SCIENCE 002	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-B-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-B-5B	STEM / SCIENCE 002	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1		18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-B-6	CIRC 001	TRANE MITSUBISHI	TPEFY012MA144A	HORIZONTAL	HEAT RECOVERY	VRF-1-1	BC-B-1	12.0	–	13.5				N	C407	0	1	DC	0.28	318	85	0.27				N	208/230/1	1.7	2.13	15	8	47	
VFC-1-1	LRC-1 119	TRANE MITSUBISHI	TPKFYP012LM140B	WALL MOUNT	HEAT RECOVERY	VRF-1-1	BC-1-1	12.0	–	13.5				N	C407	0	1	DC	–	297	30	0.10				N	208/230/1	0.2	0.24	15	4	24.5	
VFC-1-2A	PRESCHOOL 118	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-1-2B	PRESCHOOL 118	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY			12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46	
VFC-1-3	PRESCHOOL 117	TRANE MITSUBISHI	TPLFYP030EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	30.0	–	34.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.45	0.57	15	4	55	
VFC-1-4	CLASSROOM 116	TRANE MITSUBISHI	TPLFYP024EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	24.0	–	27.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-1-5	CLASSROOM 115	TRANE MITSUBISHI	TPLFYP024EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	24.0	–	27.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-1-6	OFFICES 114B/C/D	TRANE MITSUBISHI	TPEFY006MA144A	HORIZONTAL	HEAT RECOVERY	VRF-1-1	BC-1-1	6.0	–	6.7				N	C407	0	1	DC	0.28	265	85	0.32				N	208/230/1	1.4	1.75	15	8	47	
VFC-1-7	CLASSROOM 113	TRANE MITSUBISHI	TPLFYP024EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	24.0	–	27.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-1-8	KITCHEN 102	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-1-9	OFFICE 112	TRANE MITSUBISHI	TPLFYP005FM140A	2x2 CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	5.0	–	5.6				N	C407	0	1	DC	–	280	50	0.18				N	208/230/1	0.19	0.24	15	4	28.9	
VFC-1-10	CIRC 111	TRANE MITSUBISHI	TPEFY015MA144A	HORIZONTAL	HEAT RECOVERY	VRF-1-1	BC-1-1	15.0	–	17.0				N	C407	0	2	DC	0.28	424	121	0.29				N	208/230/1	2.3	2.88	15	8	58	
VFC-1-11	ADMIN 114 / OFFICE 114A	TRANE MITSUBISHI	TPEFY008MA144A	HORIZONTAL	HEAT RECOVERY	VRF-1-1	BC-1-1	8.0	–	9.0				N	C407	0	1	DC	0.28	265	85	0.32				N	208/230/1	1.4	1.75	15	8	47	
VFC-1-12	OFFICE 112	TRANE MITSUBISHI	TPLFYP008FM140A	2x2 CEILING	HEAT RECOVERY	VRF-1-1	BC-1-1	8.0	–	9.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46	
VFC-2-1	CLASSROOM 207	TRANE MITSUBISHI	TPLFYP030EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	30.0	–	34.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.45	0.57	15	4	55	
VFC-2-2	CLASSROOM 206	TRANE MITSUBISHI	TPLFYP030EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	30.0	–	34.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.45	0.57	15	4	55	
VFC-2-3	BREAKOUT 200A	TRANE MITSUBISHI	TPLFYP024EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	24.0	–	27.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-4	LRC-2 205	TRANE MITSUBISHI	TPKFYP006LM140B	WALL MOUNT	HEAT RECOVERY	VRF-2-1	BC-2-1	6.0	–	6.7				N	C407	0	1	DC	–	173	30	0.17				N	208/230/1	0.2	0.24	15	4	24.5	
VFC-2-5	CLASSROOM 204	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-6	CLASSROOM 203	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-7	CLASSROOM 202	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-8	BREAK ROOM 211A	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-9	CIRC 200	TRANE MITSUBISHI	TPEFY012MA144A	HORIZONTAL	HEAT RECOVERY	VRF-2-1	BC-2-1	12.0	–	13.5				N	C407	0	1	DC	0.28	318	85	0.27				N	208/230/1	1.7	2.13	15	8	47	
VFC-2-10	RENTAL 213	TRANE MITSUBISHI	TPLFYP018EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	18.0	–	20.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55	
VFC-2-11	RENTAL 212	TRANE MITSUBISHI	TPLFYP008EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	8.0	–	9.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46	
VFC-2-12	OFFICE 212B	TRANE MITSUBISHI	TPLFYP005FM140A	2x2 CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	5.0	–	5.6				N	C407	0	1	DC	–	280	50	0.18				N	208/230/1	0.19	0.24	15	4	28.9	
VFC-2-13	CONFERENCE RM 212A	TRANE MITSUBISHI	TPLFYP006EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	6.0	–	6.7				N	C407	0	1	DC	–	494	50	0.10				N	208/230/1	0.19	0.24	15	4	46	
VFC-2-14	CONFERENCE RM 213A	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46	
VFC-2-15	WORK ROOM 213B	TRANE MITSUBISHI	TPLFYP005FM140A	2x2 CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	5.0	–	5.6				N	C407	0	1	DC	–	280	50	0.18				N	208/230/1	0.19	0.24	15	4	28.9	
VFC-2-16	OFFICE 213C	TRANE MITSUBISHI	TPLFYP005FM140A	2x2 CEILING	HEAT RECOVERY	VRF-2-1	BC-2-1	5.0	–	5.6				N	C407	0	1	DC	–	280	50	0.18				N	208/230/1	0.19	0.24	15	4	28.9	

VFC-3-1	COO / OFFICE	TRANE MITSUBISHI	TPEFY008MA144A	HORIZONTAL	HEAT RECOVERY	VRF-3-1	BC-3-1	12.0	–	13.5				N	C407	0	1	DC	0.28	318	85	0.27				N	208/230/1	1.7	2.13	15	8	47			
VFC-3-2	DEV / COMM 303D	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-3	PROGRAM OFFICE	TRANE MITSUBISHI	TPLFYP015EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	15.0	–	17.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-4	EXEC OFFICE 303F	TRANE MITSUBISHI	TPLFYP006EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	6.0	–	6.7				N	C407	0	1	DC	–	494	50	0.10				N	208/230/1	0.19	0.24	15	4	46			
VFC-3-5	CAMP SCHECHTER 303	TRANE MITSUBISHI	TPLFYP006EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	6.0	–	6.7				N	C407	0	1	DC	–	494	50	0.10				N	208/230/1	0.19	0.24	15	4	46			
VFC-3-6	RENTAL OFFICE 300F	TRANE MITSUBISHI	TPLFYP005FM140A	2x2 CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	5.0	–	5.6				N	C407	0	1	DC	–	280	50	0.18				N	208/230/1	0.19	0.24	15	4	28.9			
VFC-3-7A	RENTAL 302	TRANE MITSUBISHI	TPLFYP015EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	15.0	–	17.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-7B	RENTAL 302	TRANE MITSUBISHI	TPLFYP008EM140B	CEILING	HEAT RECOVERY			8.0	–	9.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-8	OFFICE 302B / C	TRANE MITSUBISHI	TPEFY006MA144A	HORIZONTAL	HEAT RECOVERY	VRF-3-1	BC-3-1	6.0	–	6.7				N	C407	0	1	DC	0.28	265	85	0.32				N	208/230/1	1.4	1.75	15	8	47			
VFC-3-9	GAME / TECH 301G	TRANE MITSUBISHI	TPLFYP024EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	24.0	–	27.0				N	C407	0	1	DC	–	812	120	0.15				N	208/230/1	0.43	0.54	15	4	55			
VFC-3-10	MUSIC 301F	TRANE MITSUBISHI	TPLFYP015EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	15.0	–	17.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-11	ART/STEM/OPEN OFFICE	TRANE MITSUBISHI	TPLFYP048EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	48.0	–	54.0				N	C407	0	1	DC	–	1236	120	0.10				N	208/230/1	1.01	1.27	15	4	55			
VFC-3-12	SNOEZELEN ROOM 301E	TRANE MITSUBISHI	TPLFYP008EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	8.0	–	9.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-13	OFFICES	TRANE MITSUBISHI	TPEFY012MA144A	HORIZONTAL	HEAT RECOVERY	VRF-3-1	BC-3-1	12.0	–	13.5				N	C407	0	1	DC	0.28	318	85	0.27				N	208/230/1	1.7	2.13	15	8	47			
VFC-3-14A	CIRC 300	TRANE MITSUBISHI	TPMFYP012BM140	CEILING	HEAT RECOVERY			12.0	–	13.5				N	C407	0	1	DC	–	328	40	0.12				N	208/230/1	0.21	0.26	15	4	31			
VFC-3-14B	CIRC 300	TRANE MITSUBISHI	TPMFYP012BM140	CEILING	HEAT RECOVERY			12.0	–	13.5				N	C407	0	1	DC	–	328	40	0.12				N	208/230/1	0.21	0.26	15	4	31			
VFC-3-15	CONFERENCE 303A	TRANE MITSUBISHI	TPLFYP015EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	15.0	–	17.0				N	C407	0	1	DC	–	600	50	0.08				N	208/230/1	0.31	0.39	15	4	46			
VFC-3-16	OPEN OFFICE	TRANE MITSUBISHI	TPLFYP012EM140B	CEILING	HEAT RECOVERY	VRF-3-1	BC-3-1	12.0	–	13.5				N	C407	0	1	DC	–	565	50	0.09				N	208/230/1	0.31	0.39	15	4	46			
WHP-C-1	CHAPEL	TRANE MITSUBISHI	TPEFYP096MH140A	HORIZONTAL	HEAT PUMP	CU-R-1	–	96.0	–	108.0	96.0	–	108.0	N	C407	0	2	DC	0.6	2966	820	0.28	2966	820	0.28	N	208/230/1	–	8.2	15	8	221			

1. POWER, WIRING, AND DISCONNECT FURNISHED AND INSTALLED BY E.C.
2. SEE HRB/BC/BS SCHEDULE FOR ADDITIONAL INFORMATION. IF NO HRB/BC/BS IS NOTED, UNIT IS SERVING A VRF MULTI-ZONE SPLIT SYSTEM HEAT PUMP WITH NO HEAT RECOVERY.
3. NOMINAL COOLING AND HEATING CAPACITY IS BASED ON EQUIPMENT MANUFACTURER'S RATED CAPACITY AT AHRI RATING CONDITIONS.
4. DESIGN COOLING AND HEATING CAPACITY LISTED ARE THE RATED CAPACITY OF THE EQUIPMENT AT THE DESIGN COOLING AND HEATING CONDITIONS FOR THE PROJECT.
5. AIR ECONOMIZER EXCEPTION IS BASED ON THE 2021 WASHINGTON STATE OR THE 2021 SEATTLE ENERGY CODE, SECTION C403.3 EXCEPTIONS.
6. "FAN ONLY MODE" REPRESENTS THE FAN AIRFLOW, FAN POWER, AND WATTS PER CFM FOR THE EQUIPMENT WHEN THE FAN IS OPERATING AND NO HEATING OR COOLING IS OCCURRING (DEAD BAND OPERATION).
7. "HEATING/COOLING" MODE REPRESENTS THE FAN AIRFLOW, FAN POWER, AND WATTS/CFM FOR THE EQUIPMENT WHEN THE FAN IS OPERATING IN EITHER HEATING OR COOLING IS OCCURRING.
8. POWER TYPE: E – EMERGENCY, S – LEGALLY REQUIRED, O – OPTIONAL, N – NORMAL.
9. NETWORK CABLING BETWEEN FAN COIL, HEAT RECOVERY UNIT, AND OUTDOOR CONDENSING UNIT PROVIDED AND INSTALLED BY THE CONTROLS CONTRACTOR.
10. WALL-MOUNTED THERMOSTAT FURNISHED WITH EQUIPMENT, INSTALLED BY CONTROLS CONTRACTOR. THERMOSTAT SHALL MEET THE WSEC OR SEATTLE ENERGY CODE REQUIREMENTS INCLUDING PROGRAMMABLE SCHEDULES AND DEADBAND CONTROL.
11. UNIT AIRFLOW EXCEEDS 2000 CFM AND REQUIRES A DUCT MOUNTED SMOKE DETECTOR. DUCT SMOKE DETECTOR FURNISHED BY THE E.C., INSTALLED IN DUCT WORK BY M.C., WIRED TO SHUTDOWN UNIT AND TO FIRE ALARM SYSTEM BY F/L/S CONTRACTOR.
12. CONDENSATE TRAP AND CONDENSATE FURNISHED AND INSTALLED PIPING BY PLUMBING CONTRACTOR. ROUTE CONDENSATE TO INDIRECT CONNECTION AT NEAREST WASTE RECEPTOR.
13. INTEGRAL CONDENSATE PUMP PROVIDED WITH FAN COIL UNIT. CONDENSATE PUMP IS POWERED FROM THE UNIT. NO SEPARATE POWER CONNECTION REQUIRED.
    CONDENSATE PUMP IS PROVIDED WITH A FACTORY INSTALLED SAFETY SWITCH THAT SHUTS OFF THE UNIT IF CONDENSATE OVERFLOW OCCURS WITHIN THE DRAIN PAN.
14. UNIT IS PROVIDED WITH A CONDENSATE DRAIN PAN LEVEL SENSOR. DRAIN PAN LEVEL SENSOR SHALL DISABLE COOLING WHEN ACTIVE PER OPTION 4 OF SECTION 307.2.3 OF THE 2021 IMC/SMC.
15. UNIT IS PROVIDED WITH INTERNAL DRAIN PAN WATER LEVEL MONITORING DEVICE FOR CONDENSATE OVERFLOW IN ACCORDANCE WITH SECTION 307.2.3.1 OF THE 2021 IMC/SMC.
16. UNIT IS EXEMPT FROM SECONDARY DRAIN REQUIREMENTS FOR UNDUCTED FAN COILS IN ACCORDANCE WITH THE EXCEPTION TO SECTION 307.2.3.1 OF THE 2021 SMC
17. UNIT IS PROVIDED WITH SUPPLY FAN CONTROL SUCH THAT THE SUPPLY FAN SHALL BE OFF WHEN THE CORRESPONDING SPACE TEMPERATURE IS BETWEEN 70F AND 75F (DEADBAND).
18. UNIT IS PROVIDED WITH SUPPLY FAN MODULATION (VFD OR EC MOTOR) TO REDUCE THE FAN SPEED WHEN THE CORRESPONDING ZONE TEMPERATURE IS BETWEEN 70F AND 75F (DEADBAND) SO THAT THE SUPPLY FAN POWER IS NO GREATER THAN 0.12 WATTS/CFM.
    WHEN DEADBAND OPERATION OCCURS, THE UNIT COOLING AND HEATING MODES SHALL BE LOCKED-OUT VIA THE DDC SYSTEM. SEE AIR FLOW POWER DATA PROVIDED INS SCHEDULE.
19. UNIT SHALL BE SUPPORTED WITH MINIMUM 2" DEFLECTION SEISMIC RATED SPRING AND NEOPRENE HANGERS.
20. UNIT SHALL BE SUPPORTED WITH MINIMUM 1" DEFLECTION SEISMIC RATED SPRING AND NEOPRENE HANGERS.
21. UNIT SHALL BE SUPPORTED WITH MINIMUM 0.25" DEFLECTION NEOPRENE HANGERS.
22. UNIT IS WALL-MOUNTED. SUPPORTED FRAMING FOR INSTALLATION OF UNIT SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
23. UNIT IS NOT PROVIDED WITH 100% OUTSIDE AIRSIDE ECONOMIZER PER THE EXCEPTION NOTED ABOVE. UNIT IS EXEMPT FROM ECONOMIZER PER EXCEPTION NOTED ABOVE.
24. VENTILATION (OUTSIDE AIR) FOR THE SPACES SERVED BY THE UNIT IS PROVIDED BY A DEDICATED OUTSIDE AIR SYSTEM (DOAS) WITH INTEGRAL HEAT RECOVERY. SEE THE HEAT RECOVERY VENTILATOR (DOAS) SCHEDULE.
25. PER SEC C403.2.4.1 EXCEPTION 2, INTERIOR ZONE COOLING TEMPERATURE SHALL BE SET AT LEAST 5 DEG F HIGHER THAN THE PERIMETER ZONE WHEN THE PERIMETER ZONE IS IN HEATING MODE.

ROOFTOP CONSTANT VOLUME HEAT PUMP SCHEDULE

TAG	AREA SERVED	INSTALLED LOCATION	MAKE	MODEL	NOMINAL COOLING (TONS)	FACTORY CURB (Y/N) (2)	OSA ECONOMIZER (Y/N) (3) (4)	ECONOMIZER EXCEPTION (5)	COOLING CAPACITY (5) TOTAL (MBH)	COOLING CAPACITY (5) SENSIBLE (MBH)	HEATING CAPACITY (5) ELECTRIC HEAT (Y/N)	HEATING CAPACITY (5) TOTAL KW	HEATING CAPACITY (5) OUTPUT (MBH)	MINIMUM OSA FLOW (CFM)	SUPPLY FAN DATA AIRFLOW (CFM)	SUPPLY FAN DATA ESP (IN W.C.)	SUPPLY FAN DATA FAN BHP	SUPPLY FAN DATA MOTOR HP	ELECTRICAL DATA VOLTAGE/ PHASE	ELECTRICAL DATA SSCR (KAIC)	ELECTRICAL DATA MCA (AMPS)	ELECTRICAL DATA MFS (AMPS)	ENERGY EFFICIENCY (6) SEER2	ENERGY EFFICIENCY (6) IEER	ENERGY EFFICIENCY (6) HSPF	ENERGY EFFICIENCY (6) COP @ 17	ENERGY EFFICIENCY (6) COP @ 47	FILTER EFF. (MERV)	WEIGHT (LBS)	NOTES
RTU-R-1	GYM (EAST)	ROOF	TRANE	WSK090	7.5	Y	Y	–	90	–	Y	18	81	840	3000	0.75	–	2.9	208/3	5	–	–	–	14.1	–	2.25	3.4	8	1229	
RTU-R-2	GYM (WEST)	ROOF	TRANE	WSK060	5.0	Y	Y	–	60.5	–	Y	12	53.5	600	2000	0.75	–	2.9	208/3	5	–	–	13.4	–	8.2	–	–	8	1045	

1. POWER WIRING AND DISCONNECTS BY E.C.. SINGLE POINT POWER CONNECTION PROVIDED WITH EQUIPMENT.
2. EQUIPMENT IS INSTALLED ON A ROOF CURB. CURB PROVIDED WITH EQUIPMENT AND FIELD INSTALLED BY M.C.
3. IF NOTED, UNIT IS PROVIDED WITH 100% OUTSIDE AIR ECONOMIZER MEETING THE REQUIREMENTS OF THE CURRENT WSEC OR SEC.
4. IF NOTED, EQUIPMENT IS NOT PROVIDED WITH 100% OUTSIDE AIR ECONOMIZER. SEE ADDITIONAL NOTE FOR THE NON-ECONOMIZER EXEMPTION REQUIREMENT.
5. EQUIPMENT COOLING AND HEATING CAPACITY LISTED ARE AT THE RATING CONDITIONS BASED ON THE EQUIPMENT TYPE AND THE CATEGORY OF THE EQUIPMENT.
6. ENERGY EFFICIENCY NOTED IS BASED ON AHRI DATA PROVIDED BY THE EQUIPMENT MANUFACTURER.
   ENERGY EFFICIENCY LISTED ARE BASED ON THE AHRI RATED CONDITIONS IN ACCORDANCE WITH THE APPLICABLE AHRI STANDARD LISTED IN THE CURRENT WASHINGTON STATE OR SEATTLE ENERGY CODE, AS APPLICABLE.
7. ADDITIONAL EQUIPMENT OPTIONS INCLUDED: FACTORY CURB, PROGRAMMABLE CONTROLLER, POWER RETURN AIR EXHAUST.
8. EQUIPMENT AIRFLOW DOES NOT EXCEED 2000 CFM. RETURN AIR DUCT SMOKE DETECTION IS NOT REQUIRED.
9. EQUIPMENT AIRFLOW EXCEEDS 2000 CFM. RETURN DUCT SMOKE DETECTION IS REQUIRED.
10. RETURN AIR DUCT SMOKE DETECTOR FURNISHED BY E.C., INSTALLED IN RETURN AIR DUCT BY M.C, ALL WIRING OF RETURN AIR DUCT SMOKE DETECTOR TO MEET THE REQUIREMENTS OF THE IBC OR SFC FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
11. RETURN AIR DUCT SMOKE DETECTOR IS FURNISHED BY THE FACTORY AND INSTALLED IN THE EQUIPMENT. ALL WIRING OF RETURN AIR DUCT SMOKE DETECTOR TO MEET THE REQUIREMENTS OF THE IBC OR SFC FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

DUCTLESS SPLIT SYSTEM SCHEDULE (COOLING ONLY OR HEAT PUMP)

(DXFC-X-Y) TAG	AREA SERVED	TYPE (AC/HP) (2)	NOMINAL COOLING CAPACITY	MANUFACTURER	INDOOR UNIT MODEL	AIRFLOW (CFM)	COOLING DATA (3) DB/WB (°F)	COOLING DATA (3) TOTAL	COOLING DATA (3) SENSIBLE	HEATING DATA (3) DB (°F)	HEATING DATA (3) @47°F	HEATING DATA (3) @17°F	ELECTRICAL DATA VOLTS/PH	ELECTRICAL DATA FLA	ELECTRICAL DATA MCA	WEIGHT (LBS)	OUTDOOR TAG	OUTDOOR UNIT MODEL	ELECTRICAL DATA VOLTS/PH	ELECTRICAL DATA MCA	ELECTRICAL DATA MFS	ELECTRICAL DATA MOCP	WEIGHT (LBS)	POWER TYPE (4)	ECONOMIZER EXCEPTION (5)	SEER2 (6)	EER (7)	HSPF (8)	COP @47°F (9)	COP @17°F (9)
DXFC-B-1	MDF 001F	AC	2	TRANE MITSUBISHI	TPKA-A24KA7	705	80/67	24000	–	NA	NA	NA	208/230/1	–	1	53.0	CU-B-1	TPUY-A24NHA7	208/230/1	19	25	26	151	N	11	21.3	–	–	–	–
DXFC-B-2	ELEV. MACH	HP	2	TRANE MITSUBISHI	TPKA-A24KA7	705	80/67	24000	–	70	28000	15700	208/230/1	–	1	53.0	CU-B-2	TPUZ-A24NHA7	208/230/1	19	25	26	153	N	11	21.3	–	11.0	4.35	2.95
DXFC-2-1	L2 SHARED IDF RM	HP	2	TRANE MITSUBISHI	TPKA-A24KA7	705	80/67	24000	–	70	28000	15700	208/230/1	–	1	53.0	CU-R-1	TPUZ-A24NHA7	208/230/1	19	25	26	153	N	11	21.3	–	11.0	4.35	2.95

1. POWER WIRING AND DISCONNECT FURNISHED AND INSTALL ED BY E.C.
2. TYPE: AC = COOLING, HP = HEAT PUMP (HEATING AND COOLING).
3. COOLING AND HEATING DATA IS BASED IN MANUFACTURER'S RATING AT THE ASSOCIATED EQUIPMENT TYPE AHRI CONDITIONS.
4. POWER TYPE: E=EMERGENCY, S=LEGALLY REQUIRED, O=OPTIONAL, N=NORMAL.
5. UNIT IS EXEMPT FROM REQUIRING 100% OUTSIDE AIR ECONOMIZER PER THE EXCEPTION NOTED IN SECTION C403.5 OF THE JURISDICTIONS ENERGY CODE (WSEC OR SEC).
6. SEER IS BASED ON MANUFACTURERS RATING PER AHRI 210 /240 (EQUIPMENT LESS THAN 65 MBH COOLING CAPACITY).
7. EER IS BASED ON MANUFACTURERS RATING PER AHRI 340/360 (EQUIPMENT 65 MBH OR GREATER COOLING CAPACITY).
8. HSPF IS BASED ON MANUFACTURER'S RATING PER AHRI 210/240 (EQUIPMENT LESS THAN 65 MBH HEATING CAPACITY).
9. COP IS BASED ON MANUFACTURER'S RATING PER AHRI 340/360 (EQUIPMENT 65 MBH OR GREATER HEATING CAPACITY).

F. APPENDIX. VENTILATION

Exhaust fans and ERV were modeled according to p. M7.02:

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	AREA SERVED	MAKE	MODEL	LOCATION	SUPPLY FAN DATA				EXHAUST FAN DATA				RECOVERY	WINTER PERFORMANCE (3)				SUMMER PERFORMANCE (4)				WINTER RECOVERY (5)		SUMMER RECOVERY (6)		ELECTRICAL DATA					FILTER DATA		WEIGHT	NOTES
					AIRFLOW (CFM)	ESP (IN WC)	MAX BHP	MHP (HP)	AIRFLOW (CFM)	ESP (IN WC)	MAX BHP	MHP (HP)	TYPE (HX/WHEEL)	OSA T (DB/WB)	RA T (DB/WB)	SAT (DB/WB)	EAT (DB/WB)	OSA T (DB/WB)	RA T (DB/WB)	SA T (DB/WB)	EA T (DB/WB)	TOTAL (%)	SENSIBLE (%)	TOTAL (%)	SENSIBLE (%)	POWER TYPE (7)	VOLTAGE/ PHASE	FLA (AMPS)	MCA (AMPS)	MOCP (AMPS)	OSA (MERV)	RA (MERV)	(LBS.) (8)	
ERV-B-1	BASEMENT	AMERICAN ALDES	E1800L-FI-EC-N	BASEMENT LEVEL	915	0.5	0.32	2.5	915	0.5	0.32	2.5	HX	24/23	70/62	58.5/46.1	35.6/32.4	85/67	74/62	77.5/64.2	82.5/65.9	72.8	74.9	70.7	74.9	N	230/1	9.1	–	–	8	8	245	
ERV-B-2	BASEMENT	AMERICAN ALDES	E1800L-FI-EC-N	BASEMENT LEVEL	1300	0.5	0.48	2.5	1200	0.5	0.48	2.5	HX	24/23	70/62	55.9/44.6	38.2/34.3	85/67	74/62	78.1/64.4	81.9/65.6	67.1	69.4	65	69.4	N	230/1	9.1	–	–	8	8	245	
ERV-C-1	CHAPEL 103A	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 2 MECH MEZZ	900	0.4	0.45	2.5	900	0.5	0.45	2.5	HX	24/23	70/62	53.0/42.3	41.1/36.9	85/67	74/62	78.7/64.8	81.3/65.3	59.1	63.0	57.2	63.0	N	230/1	9.1	–	–	8	8	245	
ERV-1-1	LEVEL 1	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 1	695	0.5	0.24	2.5	695	0.5	0.24	2.5	HX	24/23	70/62	55.4/43.8	38.7/35.2	85/67	74/62	78.2/64.5	81.8/65.5	64.2	68.3	62.3	68.3	N	230/1	5.6	–	–	8	8	204	
ERV-1-2	LEVEL 1	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 1	720	0.5	0.25	2.5	720	0.5	0.25	2.5	HX	24/23	70/62	55.1/43.6	39.0/35.4	85/67	74/62	78.2/64.6	81.8/65.5	63.6	67.7	61.7	67.7	N	230/1	5.6	–	–	8	8	204	
ERV-1-3	LEVEL 1	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 1	670	0.5	0.23	2.5	670	0.5	0.23	2.5	HX	24/23	70/62	55.7/44.0	38.4/35.0	85/67	74/62	78.1/64.5	81.9/65.6	64.8	69.0	62.9	69.0	N	230/1	5.6	–	–	8	8	204	
ERV-2-1	LEVEL 2	TRANE-MITSUBISHI	TLGHF060ORVX02A	LEVEL 2	360	0.35	–	120W	360	0.35	–	120W	HX	24/19	70/62	57.6	35.7	85/65	74/62	77.9/63.0	81.1/63.9	74.5	–	64.5	–	N	208/230/1	6.1	5.2	15	7	7	123	
ERV-2-2	LEVEL 2	TRANE-MITSUBISHI	TLGHF060ORVX02A	LEVEL 2	360	0.35	–	120W	360	0.35	–	120W	HX	24/19	70/62	57.6	35.7	85/65	74/62	77.9/63.0	81.1/63.9	74.5	–	64.5	–	N	208/230/1	6.1	5.2	15	7	7	123	
ERV-2-3	LEVEL 2	TRANE-MITSUBISHI	TLGHF060ORVX02A	LEVEL 2	465	0.35	–	120W	465	0.35	–	120W	HX	24/19	70/62	57.6	35.7	85/65	74/62	77.9/63.0	81.1/63.9	74.5	–	64.5	–	N	208/230/1	6.1	5.2	15	7	7	123	
ERV-2-4	LEVEL 2	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 2	680	0.5	0.24	2.5	680	0.5	0.24	2.5	HX	24/23	70/62	55.6/43.9	38.5/35.1	85/67	74/62	78.1/64.5	81.9/65.6	64.6	68.7	62.7	68.7	N	230/1	5.6	–	–	8	8	204	
ERV-2-5	LEVEL 2	AMERICAN ALDES	E1100L-FI-EC-N	LEVEL 2	560	0.5	0.21	2.5	560	0.5	0.21	2.5	HX	24/23	70/62	57.1/44.8	37.0/34.1	85/67	74/62	77.8/64.4	82.2/65.7	67.8	71.9	65.9	71.9	N	230/1	5.6	–	–	8	8	204	
ERV-R-1	LEVEL 3	AMERICAN ALDES	PE30	ROOF	2050	0.5	0.86	1.5	2050	0.5	0.86	1.5	HX	24/23	70/62	55.6/44.7	38.4/34.2	85/67	74/62	78.1/64.4	81.9/65.6	67.4	68.8	65.2	68.8	N	230/1	5.8	6.5	9.0	8	8	2200	

1. POWER WIRING AND DISCONNECT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, SINGLE POINT OF CONNECTION. SEE EQUIPMENT SUBMITTAL FOR ALL POWER AND WIRING REQUIREMENTS.
2. UNIT IS REQUIRED TO BE RATED FOR INDOOR USE. UNIT SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE.
3. WINTER PERFORMANCE IS BASED ON SYSTEM DESIGN REQUIREMENTS AT WINTER PEAK OUTDOOR AIR TEMPERATURES AND DESIGN INDOOR AIR CONDITIONS.
4. SUMMER PERFORMANCE IS BASED ON SYSTEM DESIGN REQUIREMENTS AT SUMMER PEAK OUTDOOR AIR TEMPERATURES AND DESIGN INDOOR AIR CONDITIONS.
5. WINTER SENSIBLE AND TOTAL ENERGY RECOVERY EFFECTIVENESS ARE BASED ON THE DESIGN WINTER OUTSIDE AIR CONDITION OF 24F AND ITS COINCIDENT WETBULB TEMPERATURE AND A DESIGN WINTER INDOOR TEMPERATURE OF 70F AT 30% RELATIVE HUMIDITY.
6. SUMMER SENSIBLE AND TOTAL ENERGY RECOVERY EFFECTIVENESS ARE BASED ON THE DESIGN SUMMER OUTSIDE AIR CONDITION AND THE DESIGN SUMMER INDOOR RETURN AIR TEMPERATURE AS NOTED IN THE SUMMER PERFORMANCE DATA.
7. POWER TYPE: E = EMERGENCY POWER, S = LEGALLY REQUIRED STANDBY POWER, N = NORMAL
8. UNIT EQUIPMENT WEIGHT INCLUDES ALL ACCESSORIES.
9. UNIT SHALL BE SUPPORTED WITH MINIMUM 1" DEFLECTION SEISMIC RATED NEOPRENE HANGERS.
10. OUTSIDE AIR, RELIEF AIR, OR EXHAUST AIR DAMPERS LOCATED AT THE BUILDING ENVELOPE AND ASSOCIATED WITH THE UNIT SHALL BE INTERLOCKED TO BE CLOSED WHEN THE UNIT IS OFF. SEE MOTORIZED DAMPER SCHEDULE AND SEE SEQUENCE OF OPERATION.

FAN SCHEDULE

TAG	FUNCTION	AREA SERVED SERVED	LOCATION INSTALLED	MAKE	MODEL	TYPE	CLASS	NORMAL FAN PERFORMANCE DATA						MOTOR POWER (HP)	MOTOR POWER (WATTS)	MOTOR EFF. (%)	FAN EFF. GRADE	EC MOTOR (Y/N)	VFD (Y/N)	VFD TAG	VOLTAGE/ PHASE	POWER TYPE (4)	WEIGHT (LBS)	NOTES
								AIRFLOW (CFM)	E.S.P. (IN WC)	T.S.P (IN WC)	FAN RPM	BRAKE HP	EFF. (%)											
EF-B-1	EXHAUST	ELECTRICAL RM 002B	ELECTRICAL RM 002B	GREENHECK	SQ-160-VG	INLINE	–	2400	0.65	–	1103	0.51	–	3/4	–	–	–	Y	N	–	208/1	N	106	–
EF-B-2	EXHAUST	KILN ROOM	KILN ROOM	GREENHECK	CSP-A1050-VG	CEILING	–	1000	0.35	–	1186	0.32	–	1/3	–	–	–	Y	N	–	115/1	N	50	–
EF-R-1	EXHAUST	STEM/SCIENCE 002	ROOF	GREENHECK	CUE-099-VG	CENT. UPBLAST	–	550	0.75	–	1425	0.13	–	1/4	–	–	–	Y	N	–	115/1	N	40	–

FAN HEATER SCHEDULE

TAG	LOCATION	AREA SERVED	MAKE	MODEL	ELECTRICAL		# OF STGS	CFM	REMARKS
					KW	VOLTS/PH			
FH-B-1	LEVEL 1	SCIENCE LAB	THERMOLEC	FER-12-6-208/3	6	208/3	SCR	350	1, 2

1: UNIT PROVIDED BY M.C. WIRING AND DISCONNECT BY E.C.
2: PRESET UNIT TO DELIVER MIN. 68 DEG. SUPPLY AIR.

G. APPENDIX. SERVICE WATER HEATING

Service water heating was modeled according to equipment specs:

COMMERCIAL HEAT PUMP ELECTRIC MODELS							DIMENSIONS AND SPECIFICATIONS										
Nominal Model Number	Rated Gallon Cap	Storage Cap.	240V Input Watts	Standard Voltage	1st Hr. Delivery @ 100°F rise in Hybrid Mode (GPH)	COP*	A	B	C	D	E	F	G	H	α (°)	Ship. Wt
CHPA120PD	119	120	6,000	208/240	194	4.3	69-1/2"	28"	39-1/4"	23-5/8"	58-1/4"	58"	6"	31"	22	620

Mode of Operation	Input Btu/hr	Input kW	Recovery Rate in Gallons Per Hour Temperature Rise °F 30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
Efficiency	41,669	12.2	169	126	101	84	72	63	56	50	46	-	-	-
Hybrid	82,615	24.2	334	250	200	167	143	125	111	99	91	-	-	-
Electric	40,946	12	166	124	99	83	71	62	55	49	45	41	38	35

**DOE 80°F ambient air with 63% humidity 70°F inlet water and 120°F outlet water temperatures.*

H. APPENDIX. COMPUTER PRINTOUT OF INPUTS AND OUTPUTS

Baseline Design BEPS Report

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- BEPS Building Energy Performance WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
MBTU	616.4	0.0	542.8	0.0	248.6	0.0	18.4	716.0	0.0	0.0	0.0	17.3	2159.4
FM1 NATURAL-GAS													
MBTU	0.0	0.0	0.0	2342.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	0.0	2372.1
MBTU	616.4	0.0	542.8	2342.0	248.6	0.0	18.4	716.0	0.0	0.0	30.2	17.3	4531.5

TOTAL SITE ENERGY 4531.55 MBTU 92.0 KBTU/SQFT-YR GROSS-AREA 92.0 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 8850.45 MBTU 179.7 KBTU/SQFT-YR GROSS-AREA 179.7 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 2.18
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.00
HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE = 2
HOURS ANY ZONE BELOW HEATING THROTTLING RANGE = 189

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

Proposed Design BEPS Report

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- BEPS Building Energy Performance WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
MBTU	359.4	0.0	519.9	62.8	106.1	0.0	0.0	644.5	0.0	6.6	13.2	17.2	1729.8
FM1 NATURAL-GAS													
MBTU	0.0	0.0	0.0	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5
MBTU	359.4	0.0	519.9	82.3	106.1	0.0	0.0	644.5	0.0	6.6	13.2	17.2	1749.4

TOTAL SITE ENERGY 1749.37 MBTU 35.5 KBTU/SQFT-YR GROSS-AREA 35.5 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 5209.03 MBTU 105.8 KBTU/SQFT-YR GROSS-AREA 105.8 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 2.40
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.00
HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE = 163
HOURS ANY ZONE BELOW HEATING THROTTLING RANGE = 49

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

Baseline Design Input Reports

REPORT- LV-A

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Unnamed                                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-A General Project Parameters                                                    WEATHER FILE- EPW Seattle-King Cou
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PERIOD OF STUDY

    STARTING DATE    ENDING DATE    NUMBER OF DAYS

       1 JAN 2021    31 DEC 2021               365

SITE CHARACTERISTIC DATA

                                                                                  BUILDING
    STATION           LATITUDE  LONGITUDE   ALTITUDE      TIME      AZIMUTH
    NAME                 (DEG)      (DEG)       (FT)      ZONE        (DEG)

EPW Seattle-King Cou      47.5      122.3       150.    8  PST          0.0
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REPORT- LV-B

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Unnamed                                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-B Summary of Spaces                                                             WEATHER FILE- EPW Seattle-King Cou
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NUMBER OF SPACES  143          EXTERIOR   89     INTERIOR   54

                                                          LIGHTS          EQUIP
                            SPACE*FLOOR SPACE          (WATT /         (WATT / INFILTRATION              AREA       VOLUME
SPACE                        MULTIPLIER  TYPE   AZIM   SQFT ) PEOPLE   SQFT )       METHOD   ACH     (SQFT )      (CUFT )
```

Spaces on floor: Level B01

ART 003	1.0	EXT	0.0	1.40	22.2	0.59	AIR-CHANGE	0.69	887.3	10647.2
Circulation 001	1.0	INT	0.0	0.50	26.5	1.39	AIR-CHANGE	0.69	1059.8	12717.1
Conference 006	1.0	INT	0.0	1.30	12.2	0.73	AIR-CHANGE	0.69	487.2	5846.5
Electrical 002B	1.0	EXT	0.0	1.50	2.7	1.39	AIR-CHANGE	0.69	273.7	3284.9
Elevator1 000	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.69	77.8	933.3
Faculty 004	1.0	EXT	0.0	1.30	17.7	0.73	AIR-CHANGE	0.69	706.4	8476.3
MDF 001F	1.0	INT	0.0	1.50	2.4	1.39	AIR-CHANGE	0.69	240.3	2883.0
MP Storage 008	1.0	INT	0.0	0.80	2.5	0.31	AIR-CHANGE	0.69	245.8	2949.8
Machine Room 008A	1.0	INT	0.0	1.50	0.6	1.39	AIR-CHANGE	0.69	60.1	721.5
PlumbingStorage 007	1.0	INT	0.0	0.80	8.5	0.31	AIR-CHANGE	0.69	854.3	10251.3
Restroom 001B	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	20.7	248.1
Restroom 001C	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	19.7	236.2
Restroom 001D	1.0	INT	0.0	0.90	1.9	1.39	AIR-CHANGE	0.69	74.5	893.5
Restroom 001E	1.0	INT	0.0	0.90	0.4	1.39	AIR-CHANGE	0.69	18.0	215.7
Shaft1 000	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.69	25.3	303.6
Sprinkler 008B	1.0	INT	0.0	1.50	1.5	1.39	AIR-CHANGE	0.69	145.2	1742.4
Stair SW 000	1.0	INT	0.0	0.60	4.0	1.39	AIR-CHANGE	0.69	161.3	1935.5
StemScience 002	1.0	EXT	0.0	1.40	36.8	0.59	AIR-CHANGE	0.69	1471.4	17657.2
Storage 002A	1.0	INT	0.0	0.80	1.4	0.31	AIR-CHANGE	0.69	142.7	1711.8
Storage 003A	1.0	EXT	0.0	0.80	0.5	0.31	AIR-CHANGE	0.69	46.1	553.3
Storage 006A	1.0	INT	0.0	0.80	2.8	0.31	AIR-CHANGE	0.69	279.6	3354.7
TLT 009	1.0	INT	0.0	0.90	1.5	1.39	AIR-CHANGE	0.69	60.7	728.1
WD 001	1.0	INT	0.0	0.50	0.5	1.39	AIR-CHANGE	0.69	21.6	259.5
Workroom 005	1.0	INT	0.0	1.10	1.6	0.75	AIR-CHANGE	0.69	324.3	3892.0

Spaces on floor: Level 1

Admin 114	1.0	INT	0.0	1.10	1.9	0.75	AIR-CHANGE	0.69	370.2	4442.7
CIRC 111	1.0	INT	0.0	0.50	31.3	1.39	AIR-CHANGE	0.69	1250.4	15004.9
Chapel 103A	1.0	EXT	0.0	0.45	62.5	0.29	AIR-CHANGE	0.69	1798.4	21581.2
Classroom 113	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.9	9622.3
Classroom 115	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.9	9622.3
Classroom 116	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.5	9617.7
Electrical 111D	1.0	INT	0.0	1.50	0.1	1.39	AIR-CHANGE	0.69	6.4	76.8
Elevator1 100	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.69	77.8	933.3
FC Storage 103D	1.0	INT	0.0	0.80	0.5	0.31	AIR-CHANGE	0.69	54.8	657.2
Faculty2 104	1.0	EXT	0.0	1.30	4.6	0.73	AIR-CHANGE	0.69	182.3	2188.2
GYMMulty 103B	1.0	EXT	0.0	0.45	36.8	0.34	AIR-CHANGE	0.69	3681.3	44175.6
Kitchen 102	1.0	INT	0.0	1.20	6.5	1.32	AIR-CHANGE	0.69	261.3	3135.2
LRC-1 119	1.0	EXT	0.0	1.40	8.1	0.59	AIR-CHANGE	0.69	323.8	3885.9
MP Lobby 101	1.0	INT	0.0	1.30	19.2	1.39	AIR-CHANGE	0.69	766.7	9200.7
Mens TLTS 105	1.0	EXT	0.0	0.90	5.0	1.39	AIR-CHANGE	0.69	201.7	2420.8
OFF 114A	1.0	EXT	0.0	1.10	0.5	0.75	AIR-CHANGE	0.69	105.6	1267.0
OFF 114B	1.0	EXT	0.0	1.10	0.5	0.75	AIR-CHANGE	0.69	106.7	1280.5

(CONTINUED)

OFF 114C	1.0	EXT	0.0	1.10	0.6	0.75	AIR-CHANGE	0.69	124.1	1489.5

OFF 114D	1.0	INT	0.0	1.10	0.5	0.75	AIR-CHANGE	0.69	94.8	1138.0
Off 112	1.0	EXT	0.0	1.10	0.9	0.75	AIR-CHANGE	0.69	178.0	2136.5
Office 107	1.0	EXT	0.0	1.10	1.0	0.75	AIR-CHANGE	0.69	198.1	2376.9
Preschol 117	1.0	EXT	0.0	1.40	22.9	0.59	AIR-CHANGE	0.69	914.1	10968.7
Preschol 118	1.0	EXT	0.0	1.40	23.6	0.59	AIR-CHANGE	0.69	942.6	11310.6
Restroom 111A	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	20.7	248.1
Restroom 111B	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	19.7	236.2
Restroom 111C	1.0	INT	0.0	0.90	1.9	1.39	AIR-CHANGE	0.69	74.5	893.5
Shaft 1 100	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.69	25.3	303.6
Shaft 103E	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.69	14.8	177.3
Shaft 2 100	1.0	INT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.69	13.0	155.5
Shaft 3 100	1.0	EXT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.69	25.6	307.4
Shaft 5 100	1.0	EXT	0.0	0.00	0.2	0.00	AIR-CHANGE	0.69	15.2	182.2
Stair SE-1 100	1.0	EXT	0.0	0.60	6.0	1.39	AIR-CHANGE	0.69	239.1	2869.3
Stair SW-1 100	1.0	EXT	0.0	0.60	9.7	1.39	AIR-CHANGE	0.69	387.3	4647.6
Storage 101A	1.0	INT	0.0	0.80	0.2	0.31	AIR-CHANGE	0.69	16.1	193.3
Storage 103C	1.0	EXT	0.0	0.80	0.9	0.31	AIR-CHANGE	0.69	87.0	1043.7
Storage 103E	1.0	EXT	0.0	0.80	0.4	0.31	AIR-CHANGE	0.69	41.1	493.0
Storage 103F	1.0	EXT	0.0	0.80	1.9	0.31	AIR-CHANGE	0.69	188.0	2255.5
Storage 103G	1.0	EXT	0.0	0.80	1.5	0.31	AIR-CHANGE	0.69	148.1	1776.9
Storage4 100	1.0	INT	0.0	0.80	0.3	0.31	AIR-CHANGE	0.69	29.2	349.9
TLT 117A	1.0	INT	0.0	0.90	0.9	1.39	AIR-CHANGE	0.69	34.8	417.7
TLT 117B	1.0	INT	0.0	0.90	1.2	1.39	AIR-CHANGE	0.69	47.4	568.4
TLT 118A	1.0	INT	0.0	0.90	0.8	1.39	AIR-CHANGE	0.69	32.4	389.4
TLT 118B	1.0	INT	0.0	0.90	1.2	1.39	AIR-CHANGE	0.69	47.8	573.2
Vestibule 106	1.0	EXT	0.0	0.50	3.5	1.39	AIR-CHANGE	0.69	141.4	1696.7
Vestibule 110	1.0	EXT	0.0	0.50	4.2	1.39	AIR-CHANGE	0.69	166.8	2001.2
Vestibule3 100	1.0	EXT	0.0	0.50	3.3	1.39	AIR-CHANGE	0.69	132.3	1587.7
Womens TLTS 104	1.0	EXT	0.0	0.90	6.7	1.39	AIR-CHANGE	0.69	268.0	3216.0
Spaces on floor: Level 2										
Break Room 211A	1.0	EXT	0.0	1.20	9.3	1.39	AIR-CHANGE	0.69	373.6	4483.0
Chapel 203A	1.0	EXT	0.0	0.45	62.5	0.29	AIR-CHANGE	0.69	1748.7	20983.8
Circulation 200	1.0	EXT	0.0	0.50	44.7	1.39	AIR-CHANGE	0.69	1787.1	21445.7
Classroom 202	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.5	9617.7
Classroom 203	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.9	9622.3
Classroom 204	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.5	9617.7
Classroom 206	1.0	EXT	0.0	1.40	22.0	0.59	AIR-CHANGE	0.69	879.0	10548.5
Classroom 207	1.0	EXT	0.0	1.40	20.0	0.59	AIR-CHANGE	0.69	801.8	9622.0
Conference Room 212A	1.0	EXT	0.0	1.30	6.5	0.73	AIR-CHANGE	0.69	258.2	3098.3
Conference Room 213A	1.0	EXT	0.0	1.30	12.8	0.73	AIR-CHANGE	0.69	510.5	6125.7
Elevator1 200	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.69	77.8	933.3
GYMMulty 203B	1.0	EXT	0.0	0.45	38.8	0.34	AIR-CHANGE	0.69	3876.1	46512.7
LRC-2 205	1.0	EXT	0.0	1.40	5.2	0.59	AIR-CHANGE	0.69	207.9	2495.2
Lobby 1 200	1.0	INT	0.0	1.30	4.6	1.39	AIR-CHANGE	0.69	184.0	2207.5
Mech Mezz 213D	1.0	EXT	0.0	1.50	3.7	1.39	AIR-CHANGE	0.69	365.3	4383.3
Office 212B	1.0	EXT	0.0	1.10	0.7	0.75	AIR-CHANGE	0.69	142.5	1710.5
Office 213C	1.0	EXT	0.0	1.10	0.6	0.75	AIR-CHANGE	0.69	123.6	1482.7
Rental 212	1.0	EXT	0.0	1.10	2.0	0.75	AIR-CHANGE	0.69	401.1	4813.4
Rental 213	1.0	EXT	0.0	1.10	3.4	0.75	AIR-CHANGE	0.69	682.7	8192.4

Restroom 200B	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	20.7	248.1	
Restroom 200C	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	19.7	236.2	
Restroom 200D	1.0	INT	0.0	0.90	0.5	1.39	AIR-CHANGE	0.69	19.7	236.1	
Restroom 200E	1.0	INT	0.0	0.90	1.8	1.39	AIR-CHANGE	0.69	71.7	860.2	
Restroom 200G	1.0	INT	0.0	0.90	0.4	1.39	AIR-CHANGE	0.69	14.1	169.6	

(CONTINUED)

Restroom 201	1.0	INT	0.0	0.90	1.8	1.39	AIR-CHANGE	0.69	71.0	851.7	
Restroom 211A	1.0	INT	0.0	0.90	0.4	1.39	AIR-CHANGE	0.69	14.3	171.5	
Restroom 211C	1.0	INT	0.0	0.90	0.7	1.39	AIR-CHANGE	0.69	26.4	316.3	
Restroom 211D	1.0	INT	0.0	0.90	1.5	1.39	AIR-CHANGE	0.69	61.3	735.8	
Shaft 1 200	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.69	30.8	369.8	
Shaft 2 200	1.0	INT	0.0	0.00	0.0	0.00	AIR-CHANGE	0.69	3.5	42.0	
Shaft 203E	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.69	12.0	143.7	
Shaft 3 200	1.0	INT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.69	5.9	71.4	
Shared IDF 200F	1.0	EXT	0.0	0.80	2.0	0.31	AIR-CHANGE	0.69	202.3	2427.3	
Stair SE-2 200	1.0	EXT	0.0	0.60	4.8	1.39	AIR-CHANGE	0.69	193.4	2320.4	
Stair SW-2 200	1.0	EXT	0.0	0.60	10.0	1.39	AIR-CHANGE	0.69	401.3	4815.6	
Storage 203E	1.0	EXT	0.0	0.80	0.4	0.31	AIR-CHANGE	0.69	37.1	445.0	
Storage 203G	1.0	EXT	0.0	0.80	1.5	0.31	AIR-CHANGE	0.69	148.1	1776.9	
Storage 3 200	1.0	EXT	0.0	0.80	0.1	0.31	AIR-CHANGE	0.69	8.9	107.3	
Storage4 200	1.0	EXT	0.0	0.80	0.3	0.31	AIR-CHANGE	0.69	29.2	349.9	
Work Room 213B	1.0	INT	0.0	1.10	0.5	0.75	AIR-CHANGE	0.69	103.2	1238.6	

Spaces on floor: Level 3

ARTStmOpn Offc 301D	1.0	EXT	0.0	1.40	57.9	0.59	AIR-CHANGE	0.69	2314.1	25455.1	
COO 303C	1.0	EXT	0.0	1.10	0.6	0.75	AIR-CHANGE	0.69	120.0	1320.2	
Camp Schchter 303	1.0	EXT	0.0	1.20	9.1	1.39	AIR-CHANGE	0.69	363.6	4000.1	
Circulation 300	1.0	EXT	0.0	0.50	34.5	1.39	AIR-CHANGE	0.69	1378.9	15168.4	
Conference Room 303A	1.0	EXT	0.0	1.30	10.6	0.73	AIR-CHANGE	0.69	424.6	4670.8	
DevComm 303D	1.0	EXT	0.0	1.40	7.1	0.59	AIR-CHANGE	0.69	284.5	3129.9	
Elevator1 300	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.69	78.5	865.1	
Exec Office 300F	1.0	EXT	0.0	1.10	1.0	0.75	AIR-CHANGE	0.69	204.3	2247.0	
GameTrch Room 301G	1.0	EXT	0.0	1.30	10.5	0.73	AIR-CHANGE	0.69	421.5	4636.8	
JC 300E	1.0	EXT	0.0	0.80	0.4	0.31	AIR-CHANGE	0.69	39.7	436.4	
Music Room 301F	1.0	EXT	0.0	1.40	10.7	0.59	AIR-CHANGE	0.69	427.3	4700.3	
OffPhone 303B	1.0	EXT	0.0	1.10	0.6	0.75	AIR-CHANGE	0.69	125.0	1375.5	
Office 301A	1.0	EXT	0.0	1.10	0.6	0.75	AIR-CHANGE	0.69	124.9	1373.8	
Office 301B	1.0	EXT	0.0	1.10	0.7	0.75	AIR-CHANGE	0.69	139.9	1538.4	
Office 302A	1.0	EXT	0.0	1.10	0.4	0.75	AIR-CHANGE	0.69	87.3	960.7	
Office 302B	1.0	EXT	0.0	1.10	0.4	0.75	AIR-CHANGE	0.69	86.8	954.7	
Office 302C	1.0	EXT	0.0	1.10	0.4	0.75	AIR-CHANGE	0.69	86.8	955.2	
Program Office 303E	1.0	EXT	0.0	1.10	1.8	0.75	AIR-CHANGE	0.69	363.0	3992.7	
Rental 302	1.0	EXT	0.0	1.10	3.4	0.75	AIR-CHANGE	0.69	685.4	7539.2	
Rental Office 300F	1.0	EXT	0.0	1.10	0.7	0.75	AIR-CHANGE	0.69	143.3	1575.8	
Restroom 300A	1.0	EXT	0.0	0.90	1.0	1.39	AIR-CHANGE	0.69	38.2	420.3	
Restroom 300B	1.0	EXT	0.0	0.90	1.4	1.39	AIR-CHANGE	0.69	56.9	625.5	
Restroom 300C	1.0	EXT	0.0	0.90	1.4	1.39	AIR-CHANGE	0.69	57.5	632.8	

Restroom 300G	1.0	EXT	0.0	0.90	0.8	1.39	AIR-CHANGE	0.69	33.6	369.6
Shaft 1 300	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.69	7.1	78.4
Shaft 2 300	1.0	EXT	0.0	0.00	0.2	0.00	AIR-CHANGE	0.69	22.8	250.3
Snoezelen Room 301E	1.0	EXT	0.0	1.40	4.8	0.59	AIR-CHANGE	0.69	193.4	2127.2
Stair SE-3 200	1.0	EXT	0.0	0.60	4.6	1.39	AIR-CHANGE	0.69	184.7	2031.2
Stair SW-3 200	1.0	EXT	0.0	0.60	9.6	1.39	AIR-CHANGE	0.69	383.1	4213.7
Storage 2 300	1.0	EXT	0.0	0.80	0.1	0.31	AIR-CHANGE	0.69	11.0	121.1
Storage 3 300	1.0	EXT	0.0	0.80	0.1	0.31	AIR-CHANGE	0.69	7.0	76.9
Spaces on floor: Roof Elev Level										
Elevator Penthouse R	1.0	EXT	0.0	0.00	0.8	2.78	AIR-CHANGE	0.69	78.6	416.5
					987.4				49255.6	581646.8

BUILDING TOTALS

REPORT- LV-G

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-G Details of Schedules WEATHER FILE- EPW Seattle-King Cou

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NUMBER OF SCHEDULES 28

Schedule: S1 Sys1 (PVAVS) Fan Sch Type of Schedule: ON/OFF/FLAG

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0. 0. 0. 0. 0. 0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0. 0. 0. 0. 0. 0. 0.

Schedule: S1 EL1 Sys1 (PVAVS) (G) CRS Type of Schedule: RESET-TEMP

THROUGH 31 12

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

80.0 60.0 65.0 58.0 1. 24. 0.0 0.0 0.0 0.0

Schedule: 0% Sch Type of Schedule: FRACTION

THROUGH 31 12

(CONTINUED)

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Schedule: Fraction 100% Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Schedule: Occ Office COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.20 0.95 0.95 0.95 0.95 0.50 0.95 0.95 0.95 0.95 0.30 0.10 0.10 0.10 0.10 0.05 0.05

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.10 0.30 0.30 0.30 0.30 0.10 0.10 0.10 0.10 0.10 0.05 0.05 0.00 0.00 0.00 0.00 0.00

Schedule: Lights Office COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.05 0.05 0.05 0.05 0.05 0.10 0.10 0.30 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.50 0.30 0.30 0.20 0.20 0.10 0.05

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.10 0.30 0.30 0.30 0.30 0.15 0.15 0.15 0.15 0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05

Schedule: Recp Office COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

```
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30

          FOR DAYS  MON TUE WED THU FRI HDD CDD
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.90 0.90 0.90 0.90 0.80 0.90 0.90 0.90 0.90 0.50 0.40 0.40 0.40 0.40 0.40 0.40

          FOR DAYS  SAT
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         0.30 0.30 0.30 0.30 0.30 0.30 0.40 0.40 0.50 0.50 0.50 0.50 0.35 0.35 0.35 0.35 0.35 0.30 0.30 0.30 0.30 0.30 0.30 0.30


Schedule: Cooling Office COMNET Sch         Type of Schedule: TEMPERATURE

      THROUGH 31 12

          FOR DAYS  SUN HOL
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

          FOR DAYS  MON TUE WED THU FRI HDD CDD
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 78.0 77.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0 80.0

          FOR DAYS  SAT
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 78.0 77.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0


Schedule: Heating Office COMNET Sch         Type of Schedule: TEMPERATURE
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        THROUGH 31 12
Unnamed                                                                DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SUN HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0

            FOR DAYS  MON TUE WED THU FRI HDD CDD

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           60.0 60.0 60.0 60.0 60.0 64.0 67.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0 60.0

            FOR DAYS  SAT

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           60.0 60.0 60.0 60.0 60.0 64.0 67.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0


    Schedule: Occ Restaurant COMNET Sch         Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.00 0.00 0.00 0.00 0.00 0.05 0.50 0.50 0.20 0.20 0.30 0.50 0.50 0.30 0.20 0.25 0.35 0.55 0.65 0.70 0.35 0.20 0.20

            FOR DAYS  MON TUE WED THU FRI HDD CDD

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.00 0.00 0.00 0.00 0.05 0.10 0.40 0.40 0.40 0.20 0.50 0.80 0.70 0.40 0.20 0.25 0.50 0.80 0.80 0.80 0.50 0.35 0.20

            FOR DAYS  SAT
```

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.05 0.00 0.00 0.00 0.00 0.00 0.05 0.50 0.50 0.40 0.20 0.45 0.50 0.50 0.35 0.30 0.30 0.30 0.70 0.90 0.70 0.65 0.55 0.35

Schedule: Lights Restaurant COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.20 0.15 0.15 0.15 0.15 0.15 0.30 0.30 0.50 0.50 0.70 0.70 0.70 0.70 0.70 0.70 0.60 0.60 0.60 0.60 0.60 0.60 0.50 0.30

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.15 0.15 0.15 0.15 0.15 0.20 0.40 0.40 0.60 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.50 0.30

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.20 0.15 0.15 0.15 0.15 0.15 0.30 0.30 0.60 0.60 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.90 0.90 0.90 0.90 0.90 0.50 0.30

Schedule: Recp Restaurant COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03

```
          FOR DAYS  MON TUE WED THU FRI HDD CDD
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03

          FOR DAYS  SAT
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03


    Schedule: Cooling Restaurant COMNET Sch     Type of Schedule: TEMPERATURE

        THROUGH 31 12
Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                    WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------------(CONTINUED)--------

          FOR DAYS  SUN HOL
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

          FOR DAYS  MON TUE WED THU FRI HDD CDD
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

          FOR DAYS  SAT
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0


    Schedule: Heating Restaurant COMNET Sch     Type of Schedule: TEMPERATURE

        THROUGH 31 12
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            FOR DAYS  SUN HOL

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             60.0 60.0 60.0 60.0 60.0 65.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0

            FOR DAYS  MON TUE WED THU FRI HDD CDD

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             60.0 60.0 60.0 60.0 60.0 65.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0

            FOR DAYS  SAT

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             60.0 60.0 60.0 60.0 60.0 65.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0


     Schedule: Occ Schools COMNET Sch            Type of Schedule: FRACTION

          THROUGH 31 12
Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SUN HOL

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

            FOR DAYS  MON TUE WED THU FRI HDD CDD

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.15 0.15 0.15 0.15 0.15 0.00 0.00 0.00

            FOR DAYS  SAT

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
```

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Schedule: Lights Schools COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.18	0.18	0.18

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18

Schedule: Recp Schools COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35

FOR DAYS MON TUE WED THU FRI HDD CDD

```
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.35 0.35 0.35 0.35 0.35 0.35 0.35

          FOR DAYS  SAT
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35


   Schedule: Cooling Schools COMNET Sch        Type of Schedule: TEMPERATURE

      THROUGH 31 12

          FOR DAYS  SUN HOL
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

          FOR DAYS  MON TUE WED THU FRI HDD CDD
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0 80.0 80.0

          FOR DAYS  SAT
      HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
         80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0


   Schedule: Heating Schools COMNET Sch        Type of Schedule: TEMPERATURE

      THROUGH 31 12
Unnamed                                                                DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
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FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	60.0	60.0	60.0

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

Schedule: DHW Schools COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.34	0.60	0.63	0.72	0.79	0.83	0.61	0.65	0.10	0.10	0.19	0.25	0.22	0.22	0.12	0.09

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Schedule: Occ Assembly COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.20	0.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.20	0.20	0.20	0.20	0.10	0.00

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.80	0.10	0.00

Schedule: Lights Assembly COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.30	0.30	0.30	0.30	0.30	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.05	0.05

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.05	0.05	0.05	0.05	0.05	0.05	0.35	0.35	0.35	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.25	0.05	

```
          FOR DAYS  SAT
       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
          0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.05


    Schedule: Recp Assembly COMNET Sch          Type of Schedule: FRACTION

       THROUGH 31 12
Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                    WEATHER FILE- EPW Seattle-King Cou
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          FOR DAYS  SUN HOL
       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
          0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.30 0.30 0.30 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.05 0.05

          FOR DAYS  MON TUE WED THU FRI HDD CDD
       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
          0.05 0.05 0.05 0.05 0.05 0.05 0.40 0.40 0.40 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.25 0.05

          FOR DAYS  SAT
       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
          0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.05


    Schedule: Cooling Assembly COMNET Sch       Type of Schedule: TEMPERATURE

       THROUGH 31 12

          FOR DAYS  SUN HOL
       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
```

80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0

Schedule: Heating Assembly COMNET Sch Type of Schedule: TEMPERATURE

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

60.0 60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

60.0 60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

Schedule: Ext Lighting Sch Type of Schedule: FRACTION

THROUGH 31 1

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.90	0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.55	0.90	0.90	0.90	0.90	0.90	0.90	0.90

THROUGH 28 2

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.90	0.50	0.50	0.50	0.50	0.45	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.70	0.90	0.90	0.90	0.90	0.90

THROUGH 31 3

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.90	0.50	0.50	0.50	0.50	0.45	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.70	0.90	0.90	0.90	0.90	0.90

THROUGH 30 4

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.90	0.50	0.50	0.50	0.50	0.45	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.70	0.90	0.90	0.90	0.90	0.90

THROUGH 31 5

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

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        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 30  6

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 31  7

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 31  8

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

        THROUGH 30  9
Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                    WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

        THROUGH 31 10
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          FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

       THROUGH 30 11

          FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          0.90 0.50 0.50 0.50 0.50 0.50 0.50 0.30 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.55 0.90 0.90 0.90 0.90 0.90 0.90 0.90

       THROUGH 31 12

          FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          0.90 0.50 0.50 0.50 0.50 0.50 0.50 0.30 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.55 0.90 0.90 0.90 0.90 0.90 0.90 0.90


    Schedule: Dirt Depre Windows                Type of Schedule: FRACTION

       THROUGH 31 12

          FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

       HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00


    Schedule: Dirt Depre Flat Skylights         Type of Schedule: FRACTION

       THROUGH 31 12
Unnamed                                                                DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
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FOR DAYS	SUN	MON	TUE	WED	THU	FRI	SAT	HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

REPORT- LV-I

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-I Details of Constructions WEATHER FILE- EPW Seattle-King Cou

NUMBER OF CONSTRUCTIONS 13 DELAYED 11 QUICK 2

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
Steel_Roof	0.063	0.75	5	DELAYED	8
Mass_Roof	0.063	0.75	5	DELAYED	8
Steel_Wall	0.124	0.75	5	DELAYED	4
Mass_Wall	0.124	0.75	5	DELAYED	4
Below-grade_Wall	0.391	0.75	3	DELAYED	14
Steel_Floor	0.052	0.75	5	DELAYED	7
S-o-G_UH_Floor	0.042	0.75	3	DELAYED	32
Swinging_Door	0.700	0.75	5	QUICK	0
Interior Floor	0.215	0.20	4	DELAYED	6
Interior Wall	0.411	0.50	4	DELAYED	4
Semiexterior Steel_Wall	0.124	0.75	5	DELAYED	4
Semiexterior Mass_Floor	0.069	0.75	5	DELAYED	9
Default Air Wall Construction	2.700	0.70	3	QUICK	0

REPORT- LV-J

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-J Details of Building Shades WEATHER FILE- EPW Seattle-King Cou

NUMBER OF BUILDING SHADES 6 RECTANGULAR 0 OTHER 6

RECTANGULAR SHADES

SHADE NAME	TRANSMITTANCE	HEIGHT (FT)	WIDTH (FT)	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN BUILDING COORDINATES XB (FT)	YB (FT)	ZB (FT)

REPORT- LS-A

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LS-A Space Peak Loads Summary WEATHER FILE- EPW Seattle-King Cou

SPACE NAME	MULTIPLIER SPACE	FLOOR	COOLING LOAD (KBTU/HR)	TIME OF PEAK	DRY-BULB	WET-BULB	HEATING LOAD (KBTU/HR)	TIME OF PEAK	DRY-BULB	WET-BULB
ART 003	1.	1.	13.885	JUL 22 3 PM	86.F	66.F	-8.966	JAN 3 7 PM	27.F	22.F
Circulation 001	1.	1.	11.231	JUL 22 3 PM	86.F	66.F	-6.982	JAN 3 7 PM	27.F	22.F
Conference 006	1.	1.	4.954	AUG 10 4 PM	88.F	66.F	-4.291	JAN 3 7 PM	27.F	22.F
Electrical 002B	1.	1.	1.955	AUG 10 4 PM	88.F	66.F	-4.281	JAN 3 7 PM	27.F	22.F
Elevator1 000	1.	1.	0.000		0.F	0.F	-2.486	JAN 6 10 AM	25.F	24.F
Faculty 004	1.	1.	7.611	AUG 10 4 PM	88.F	66.F	-7.849	JAN 3 7 PM	27.F	22.F
MDF 001F	1.	1.	0.658	AUG 10 4 PM	88.F	66.F	-3.669	JAN 3 7 PM	27.F	22.F
MP Storage 008	1.	1.	1.095	JUL 22 3 PM	86.F	66.F	-1.581	JAN 6 10 AM	25.F	24.F
Machine Room 008A	1.	1.	0.166	AUG 10 4 PM	88.F	66.F	-0.907	JAN 3 7 PM	27.F	22.F
PlumbingStorage 007	1.	1.	1.516	AUG 10 4 PM	88.F	66.F	-9.527	JAN 6 10 AM	25.F	24.F
Restroom 001B	1.	1.	0.264	JUL 22 3 PM	86.F	66.F	-0.111	JAN 30 4 AM	45.F	42.F
Restroom 001C	1.	1.	0.252	JUL 22 3 PM	86.F	66.F	-0.106	JAN 30 4 AM	45.F	42.F
Restroom 001D	1.	1.	0.948	JUL 22 3 PM	86.F	66.F	-0.398	JAN 30 4 AM	45.F	42.F
Restroom 001E	1.	1.	0.230	JUL 22 3 PM	86.F	66.F	-0.097	JAN 30 4 AM	45.F	42.F
Shaft1 000	1.	1.	0.038	JUL 22 3 PM	86.F	66.F	-0.233	JAN 6 10 AM	25.F	24.F
Sprinkler 008B	1.	1.	0.000		0.F	0.F	-3.206	MAR 5 7 AM	41.F	40.F
Stair SW 000	1.	1.	1.903	JUL 22 3 PM	86.F	66.F	-0.893	JAN 30 4 AM	45.F	42.F
StemScience 002	1.	1.	21.510	JUL 22 3 PM	86.F	66.F	-13.364	JAN 3 7 PM	27.F	22.F
Storage 002A	1.	1.	0.000		0.F	0.F	-3.088	JAN 6 10 AM	25.F	24.F
Storage 003A	1.	1.	0.432	JUL 23 8 PM	88.F	68.F	-0.668	JAN 6 10 AM	25.F	24.F
Storage 006A	1.	1.	0.000		0.F	0.F	-5.333	JAN 6 10 AM	25.F	24.F
TLT 009	1.	1.	0.773	JUL 22 3 PM	86.F	66.F	-0.325	JAN 30 4 AM	45.F	42.F
WD 001	1.	1.	0.250	JUL 22 3 PM	86.F	66.F	-0.122	JAN 30 4 AM	45.F	42.F
Workroom 005	1.	1.	1.689	AUG 10 4 PM	88.F	66.F	-3.075	JAN 30 4 AM	45.F	42.F
Admin 114	1.	1.	2.810	JUL 22 3 PM	86.F	66.F	-1.955	JAN 3 7 PM	27.F	22.F
CIRC 111	1.	1.	14.349	JUL 22 3 PM	86.F	66.F	-5.956	JAN 3 7 PM	27.F	22.F
Chapel 103A	1.	1.	29.804	AUG 10 12 NOON	81.F	64.F	-19.492	JAN 6 5 AM	27.F	22.F

Classroom 113	1.	1.	12.494	JUL 22	3 PM	86.F	66.F	-7.570	JAN	3	7 PM	27.F	22.F
Classroom 115	1.	1.	12.165	JUL 22	4 PM	86.F	65.F	-7.186	JAN	3	7 PM	27.F	22.F
Classroom 116	1.	1.	12.160	JUL 22	4 PM	86.F	65.F	-7.183	JAN	3	7 PM	27.F	22.F
Electrical 111D	1.	1.	0.059	JUL 22	3 PM	86.F	66.F	-0.026	JAN	30	4 AM	45.F	42.F
Elevator1 100	1.	1.	0.158	JUL 22	3 PM	86.F	66.F	-0.646	JAN	6	10 AM	25.F	24.F
FC Storage 103D	1.	1.	0.249	JUL 22	3 PM	86.F	66.F	-0.348	JAN	6	10 AM	25.F	24.F
Faculty2 104	1.	1.	9.205	JUL 23	8 PM	88.F	68.F	-5.735	JAN	6	5 AM	27.F	22.F
GYMMulty 103B	1.	1.	36.196	AUG 10	6 PM	90.F	64.F	-30.413	JAN	6	10 AM	25.F	24.F
Kitchen 102	1.	1.	2.541	JUL 22	2 PM	84.F	66.F	-1.567	JAN	30	4 AM	45.F	42.F
LRC-1 119	1.	1.	8.243	MAR 29	3 PM	79.F	55.F	-3.337	JAN	6	5 AM	27.F	22.F
MP Lobby 101	1.	1.	10.600	JUL 22	3 PM	86.F	66.F	-3.890	JAN	3	7 PM	27.F	22.F
Mens TLTS 105	1.	1.	2.812	JUL 22	3 PM	86.F	66.F	-1.545	JAN	6	5 AM	27.F	22.F
OFF 114A	1.	1.	1.364	AUG 10	4 PM	88.F	66.F	-1.407	JAN	6	5 AM	27.F	22.F
OFF 114B	1.	1.	1.375	AUG 10	4 PM	88.F	66.F	-1.418	JAN	6	5 AM	27.F	22.F
OFF 114C	1.	1.	1.582	AUG 10	4 PM	88.F	66.F	-1.667	JAN	6	5 AM	27.F	22.F
OFF 114D	1.	1.	0.728	JUL 22	3 PM	86.F	66.F	-0.501	JAN	3	7 PM	27.F	22.F
Off 112	1.	1.	2.849	DEC 21	2 PM	47.F	42.F	-2.260	JAN	6	5 AM	27.F	22.F
Office 107	1.	1.	5.081	SEP 22	3 PM	79.F	61.F	-3.033	JAN	6	5 AM	27.F	22.F
Preschol 117	1.	1.	16.404	AUG 10	7 PM	88.F	64.F	-8.207	JAN	3	7 PM	27.F	22.F
Preschol 118	1.	1.	24.150	OCT 6	4 PM	79.F	53.F	-12.073	JAN	6	5 AM	27.F	22.F
Restroom 111A	1.	1.	0.272	JUL 22	3 PM	86.F	66.F	-0.091	JAN	3	7 PM	27.F	22.F

Restroom 111B	1.	1.	0.259	JUL 22	3 PM	86.F	66.F	-0.087	JAN	3	7 PM	27.F	22.F
Restroom 111C	1.	1.	0.966	JUL 22	3 PM	86.F	66.F	-0.328	JAN	3	7 PM	27.F	22.F
Shaft 1 100	1.	1.	0.052	JUL 22	3 PM	86.F	66.F	-0.210	JAN	6	10 AM	25.F	24.F
Shaft 103E	1.	1.	0.136	JUL 23	8 PM	88.F	68.F	-0.281	JAN	6	10 AM	25.F	24.F
Shaft 2 100	1.	1.	0.026	JUL 22	3 PM	86.F	66.F	-0.108	JAN	6	10 AM	25.F	24.F
Shaft 3 100	1.	1.	0.084	JUL 22	3 PM	86.F	66.F	-0.321	JAN	6	10 AM	25.F	24.F
Shaft 5 100	1.	1.	0.620	JUL 23	8 PM	88.F	68.F	-0.516	JAN	6	10 AM	25.F	24.F
Stair SE-1 100	1.	1.	3.375	AUG 10	4 PM	88.F	66.F	-2.386	JAN	6	5 AM	27.F	22.F
Stair SW-1 100	1.	1.	8.561	SEP 22	3 PM	79.F	61.F	-3.862	JAN	6	5 AM	27.F	22.F
Storage 101A	1.	1.	0.073	JUL 22	3 PM	86.F	66.F	-0.102	JAN	6	10 AM	25.F	24.F
Storage 103C	1.	1.	1.333	SEP 22	3 PM	79.F	61.F	-1.178	JAN	6	10 AM	25.F	24.F
Storage 103E	1.	1.	0.884	AUG 10	11 AM	77.F	62.F	-1.048	JAN	6	10 AM	25.F	24.F
Storage 103F	1.	1.	2.059	JUL 23	8 PM	88.F	68.F	-3.108	JAN	6	10 AM	25.F	24.F
Storage 103G	1.	1.	2.627	JUL 23	8 PM	88.F	68.F	-3.137	JAN	6	10 AM	25.F	24.F
Storage4 100	1.	1.	0.133	JUL 22	3 PM	86.F	66.F	-0.185	JAN	6	10 AM	25.F	24.F
TLT 117A	1.	1.	0.455	JUL 22	3 PM	86.F	66.F	-0.153	JAN	3	7 PM	27.F	22.F
TLT 117B	1.	1.	0.617	JUL 22	3 PM	86.F	66.F	-0.209	JAN	3	7 PM	27.F	22.F
TLT 118A	1.	1.	0.424	JUL 22	3 PM	86.F	66.F	-0.143	JAN	3	7 PM	27.F	22.F
TLT 118B	1.	1.	0.622	JUL 22	3 PM	86.F	66.F	-0.210	JAN	3	7 PM	27.F	22.F
Vestibule 106	1.	1.	4.852	DEC 21	2 PM	47.F	42.F	-2.599	JAN	6	5 AM	27.F	22.F
Vestibule 110	1.	1.	4.533	OCT 6	4 PM	79.F	53.F	-2.281	JAN	6	5 AM	27.F	22.F
Vestibule3 100	1.	1.	10.325	OCT 6	4 PM	79.F	53.F	-4.914	JAN	6	5 AM	27.F	22.F
Womens TLTS 104	1.	1.	3.775	AUG 10	4 PM	88.F	66.F	-2.198	JAN	6	5 AM	27.F	22.F
Break Room 211A	1.	1.	13.469	SEP 22	3 PM	79.F	61.F	-5.449	JAN	6	5 AM	27.F	22.F
Chapel 203A	1.	1.	34.304	AUG 10	3 PM	88.F	66.F	-19.983	JAN	6	5 AM	27.F	22.F
Circulation 200	1.	1.	28.723	JUL 22	4 PM	86.F	65.F	-15.077	JAN	3	7 PM	27.F	22.F

Classroom 202	1.	1.	14.897	AUG	10	4	PM	88.F	66.F	-9.171	JAN	3	7	PM	27.F	22.F
Classroom 203	1.	1.	14.903	AUG	10	4	PM	88.F	66.F	-9.174	JAN	3	7	PM	27.F	22.F
Classroom 204	1.	1.	14.897	AUG	10	4	PM	88.F	66.F	-9.171	JAN	3	7	PM	27.F	22.F
Classroom 206	1.	1.	19.452	SEP	22	4	PM	81.F	60.F	-9.435	JAN	6	5	AM	27.F	22.F
Classroom 207	1.	1.	16.920	MAR	29	4	PM	79.F	56.F	-7.046	JAN	6	5	AM	27.F	22.F
Conference Room 212A	1.	1.	4.123	AUG	10	4	PM	88.F	66.F	-1.831	JAN	3	7	PM	27.F	22.F
Conference Room 213A	1.	1.	6.686	JUL	22	3	PM	86.F	66.F	-2.570	JAN	3	7	PM	27.F	22.F
Elevator1 200	1.	1.	0.158	JUL	22	3	PM	86.F	66.F	-0.646	JAN	6	10	AM	25.F	24.F
GYMMulty 203B	1.	1.	61.516	AUG	10	6	PM	90.F	64.F	-47.928	JAN	6	10	AM	25.F	24.F
LRC-2 205	1.	1.	4.638	JUL	23	8	PM	88.F	68.F	-3.207	JAN	6	5	AM	27.F	22.F
Lobby 1 200	1.	1.	2.578	JUL	22	3	PM	86.F	66.F	-0.765	JAN	3	7	PM	27.F	22.F
Mech Mezz 213D	1.	1.	4.824	AUG	10	4	PM	88.F	66.F	-2.774	JAN	3	7	PM	27.F	22.F
Office 212B	1.	1.	2.945	AUG	10	4	PM	88.F	66.F	-2.938	JAN	6	5	AM	27.F	22.F
Office 213C	1.	1.	3.873	SEP	22	3	PM	79.F	61.F	-1.895	JAN	6	5	AM	27.F	22.F
Rental 212	1.	1.	5.475	AUG	10	4	PM	88.F	66.F	-4.713	JAN	6	5	AM	27.F	22.F
Rental 213	1.	1.	11.657	MAR	29	3	PM	79.F	55.F	-6.692	JAN	6	5	AM	27.F	22.F
Restroom 200B	1.	1.	0.272	JUL	22	3	PM	86.F	66.F	-0.091	JAN	3	7	PM	27.F	22.F
Restroom 200C	1.	1.	0.259	JUL	22	3	PM	86.F	66.F	-0.087	JAN	3	7	PM	27.F	22.F
Restroom 200D	1.	1.	0.259	JUL	22	3	PM	86.F	66.F	-0.087	JAN	3	7	PM	27.F	22.F
Restroom 200E	1.	1.	0.930	JUL	22	3	PM	86.F	66.F	-0.316	JAN	3	7	PM	27.F	22.F
Restroom 200G	1.	1.	0.186	JUL	22	3	PM	86.F	66.F	-0.062	JAN	3	7	PM	27.F	22.F
Restroom 201	1.	1.	0.921	JUL	22	3	PM	86.F	66.F	-0.313	JAN	3	7	PM	27.F	22.F
Restroom 211A	1.	1.	0.188	JUL	22	3	PM	86.F	66.F	-0.063	JAN	3	7	PM	27.F	22.F
Restroom 211C	1.	1.	0.345	JUL	22	3	PM	86.F	66.F	-0.116	JAN	3	7	PM	27.F	22.F
Restroom 211D	1.	1.	0.797	JUL	22	3	PM	86.F	66.F	-0.270	JAN	3	7	PM	27.F	22.F
Shaft 1 200	1.	1.	0.063	JUL	22	3	PM	86.F	66.F	-0.256	JAN	6	10	AM	25.F	24.F
Shaft 2 200	1.	1.	0.007	JUL	22	3	PM	86.F	66.F	-0.029	JAN	6	10	AM	25.F	24.F

(CONTINUED)

Shaft 203E	1.	1.	0.145	JUL	23	8	PM	88.F	68.F	-0.257	JAN	6	10	AM	25.F	24.F
Shaft 3 200	1.	1.	0.012	JUL	22	3	PM	86.F	66.F	-0.049	JAN	6	10	AM	25.F	24.F
Shared IDF 200F	1.	1.	2.687	SEP	22	2	PM	81.F	63.F	-2.713	JAN	6	10	AM	25.F	24.F
Stair SE-2 200	1.	1.	5.672	MAR	29	3	PM	79.F	55.F	-2.358	JAN	6	5	AM	27.F	22.F
Stair SW-2 200	1.	1.	8.036	SEP	13	4	PM	82.F	60.F	-3.480	JAN	6	5	AM	27.F	22.F
Storage 203E	1.	1.	0.851	AUG	10	12	NOON	81.F	64.F	-1.124	JAN	6	10	AM	25.F	24.F
Storage 203G	1.	1.	3.027	JUL	23	8	PM	88.F	68.F	-3.646	JAN	6	10	AM	25.F	24.F
Storage 3 200	1.	1.	0.083	AUG	10	4	PM	88.F	66.F	-0.077	JAN	6	10	AM	25.F	24.F
Storage4 200	1.	1.	0.198	JUL	22	3	PM	86.F	66.F	-0.201	JAN	6	10	AM	25.F	24.F
Work Room 213B	1.	1.	0.792	JUL	22	3	PM	86.F	66.F	-0.545	JAN	3	7	PM	27.F	22.F
ARTStmOpn Offc 301D	1.	1.	51.372	AUG	10	4	PM	88.F	66.F	-28.945	JAN	6	5	AM	27.F	22.F
COO 303C	1.	1.	4.000	SEP	22	3	PM	79.F	61.F	-2.088	JAN	6	5	AM	27.F	22.F
Camp Schchter 303	1.	1.	6.268	AUG	10	4	PM	88.F	66.F	-2.364	JAN	3	7	PM	27.F	22.F
Circulation 300	1.	1.	26.702	AUG	10	4	PM	88.F	66.F	-18.628	JAN	6	5	AM	27.F	22.F
Conference Room 303A	1.	1.	12.368	SEP	22	3	PM	79.F	61.F	-5.535	JAN	6	5	AM	27.F	22.F
DevComm 303D	1.	1.	10.606	SEP	22	4	PM	81.F	60.F	-5.518	JAN	6	5	AM	27.F	22.F
Elevator1 300	1.	1.	0.144	JUL	22	3	PM	86.F	66.F	-0.589	JAN	6	10	AM	25.F	24.F
Exec Office 300F	1.	1.	3.843	AUG	10	4	PM	88.F	66.F	-3.700	JAN	6	5	AM	27.F	22.F
GameTrch Room 301G	1.	1.	10.144	AUG	10	4	PM	88.F	66.F	-4.943	JAN	6	5	AM	27.F	22.F
JC 300E	1.	1.	0.354	AUG	10	4	PM	88.F	66.F	-0.311	JAN	6	10	AM	25.F	24.F

Music Room 301F	1.	1.	12.732	SEP 22	3 PM	79.F	61.F	-5.764	JAN	6	5 AM	27.F	22.F
OffPhone 303B	1.	1.	3.090	SEP 22	3 PM	79.F	61.F	-1.838	JAN	6	5 AM	27.F	22.F
Office 301A	1.	1.	2.272	AUG 10	4 PM	88.F	66.F	-2.149	JAN	6	5 AM	27.F	22.F
Office 301B	1.	1.	2.474	AUG 10	4 PM	88.F	66.F	-2.332	JAN	6	5 AM	27.F	22.F
Office 302A	1.	1.	1.006	AUG 10	4 PM	88.F	66.F	-0.662	JAN	3	7 PM	27.F	22.F
Office 302B	1.	1.	1.000	AUG 10	4 PM	88.F	66.F	-0.658	JAN	3	7 PM	27.F	22.F
Office 302C	1.	1.	1.000	AUG 10	4 PM	88.F	66.F	-0.658	JAN	3	7 PM	27.F	22.F
Program Office 303E	1.	1.	11.017	AUG 10	6 PM	90.F	64.F	-7.119	JAN	6	5 AM	27.F	22.F
Rental 302	1.	1.	21.495	SEP 22	3 PM	79.F	61.F	-11.706	JAN	6	5 AM	27.F	22.F
Rental Office 300F	1.	1.	2.473	AUG 10	4 PM	88.F	66.F	-2.278	JAN	6	5 AM	27.F	22.F
Restroom 300A	1.	1.	0.648	AUG 10	4 PM	88.F	66.F	-0.259	JAN	6	5 AM	27.F	22.F
Restroom 300B	1.	1.	0.959	AUG 10	4 PM	88.F	66.F	-0.385	JAN	6	5 AM	27.F	22.F
Restroom 300C	1.	1.	0.971	AUG 10	4 PM	88.F	66.F	-0.389	JAN	6	5 AM	27.F	22.F
Restroom 300G	1.	1.	0.571	AUG 10	4 PM	88.F	66.F	-0.228	JAN	6	5 AM	27.F	22.F
Shaft 1 300	1.	1.	0.043	AUG 10	4 PM	88.F	66.F	-0.076	JAN	6	10 AM	25.F	24.F
Shaft 2 300	1.	1.	0.136	JUL 10	5 PM	88.F	66.F	-0.242	JAN	6	10 AM	25.F	24.F
Snoezelen Room 301E	1.	1.	5.575	SEP 22	3 PM	79.F	61.F	-2.491	JAN	6	5 AM	27.F	22.F
Stair SE-3 200	1.	1.	2.900	AUG 10	4 PM	88.F	66.F	-1.273	JAN	6	5 AM	27.F	22.F
Stair SW-3 200	1.	1.	8.319	AUG 10	4 PM	88.F	66.F	-3.952	JAN	6	5 AM	27.F	22.F
Storage 2 300	1.	1.	0.099	AUG 10	4 PM	88.F	66.F	-0.086	JAN	6	10 AM	25.F	24.F
Storage 3 300	1.	1.	0.063	AUG 10	4 PM	88.F	66.F	-0.054	JAN	6	10 AM	25.F	24.F
Elevator Penthouse R	1.	1.	1.764	JUL 23	5 PM	90.F	67.F	-0.985	JAN	5	8 AM	19.F	16.F
SUM			823.976					-533.435					
BUILDING PEAK			794.021	AUG 10	4 PM	88.F	66.F	-524.036	JAN	6	5 AM	27.F	22.F

REPORT- PV-A

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PV-A Plant Design Parameters WEATHER FILE- EPW Seattle-King Cou

*** CIRCULATION LOOPS ***

	HEATING CAPACITY (MBTU/HR)	COOLING CAPACITY (MBTU/HR)	LOOP FLOW (GAL/MIN)	TOTAL HEAD (FT)	SUPPLY UA PRODUCT (BTU/HR-F)	SUPPLY LOSS DT (F)	RETURN UA PRODUCT (BTU/HR-F)	RETURN LOSS DT (F)	LOOP VOLUME (GAL)	FLUID HEAT CAPACITY (BTU/LB-F)
DHW Loop	-0.009	0.000	0.2	0.0	0.0	0.00	0.0	0.00	0.4	1.00
Circulation Loop 2	-1.759	0.000	70.4	36.6	0.0	0.00	0.0	0.00	105.6	1.00

*** PUMPS ***

ATTACHED TO		FLOW (GAL/MIN)	HEAD (FT)	HEAD SETPOINT (FT)	CAPACITY CONTROL	POWER (KW)	MECHANICAL EFFICIENCY (FRAC)	MOTOR EFFICIENCY (FRAC)
DEFAULT-HW-PUMP	1 PUMP(s)							
Boiler 1		48.4	40.3	0.0	ONE-SPEED	0.604	0.770	0.790
HOT WATER	PRIMARY							
Pump 2	1 PUMP(s)							
Boiler 2		48.4	40.3	0.0	ONE-SPEED	0.604	0.770	0.790
HOT WATER	PRIMARY							

*** PRIMARY EQUIPMENT ***

EQUIPMENT TYPE	ATTACHED TO	RATED CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	RATED EIR (FRAC)	RATED HIR (FRAC)	AUXILIARY (KW)
Boiler 1						
HW-BOILER	Circulation Loop 2	-1.098	44.0	0.000	1.250	0.000
Boiler 2						
HW-BOILER	Circulation Loop 2	-1.098	44.0	0.000	1.250	0.000

*** DW-HEATERS ***

EQUIPMENT TYPE	ATTACHED TO	CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	EIR (FRAC)	HIR (FRAC)	AUXILIARY (KW)	TANK (GAL)	TANK UA (BTU/HR-F)
DWH Heater								
GAS DW-HEATER	DHW Loop	-0.009	0.2	0.000	1.250	0.000	30.0	9.00

REPORT- SV-A

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- SV-A System Design Parameters for VRF-B-1 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	4049.1	95.	0.494	148.054	0.558	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3396.	1.00	2.353	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Workroom 005 zn	262.	35.	0.000	1.000	35.	0.00	0.00	5.60	-14.01	-6.45	1.
Circulation 001 zn	856.	126.	0.000	1.000	126.	0.00	0.00	18.31	-45.78	-21.06	1.
Conference 006 zn	394.	126.	0.000	1.000	126.	0.00	0.00	8.42	-21.05	-9.68	1.
Faculty 004 zn	571.	76.	0.000	1.000	76.	0.00	0.00	12.21	-30.51	-14.04	1.
StemScience 002 zn	1313.	1313.	0.000	1.000	1313.	0.00	0.00	28.08	-70.20	-32.29	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	3547.1	125.	0.306	121.238	0.572	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2969.	1.00	2.058	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Chapel 103A zn	1453.	454.	0.000	1.000	454.	0.00	0.00	31.08	-77.69	-35.74	1.
Chapel 203A zn	1516.	454.	0.000	0.941	454.	0.00	0.00	32.42	-76.30	-35.10	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	6158.2	148.	0.345	220.988	0.572	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	5437.	1.00	3.768	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
OFF 114C zn	100.	15.	0.000	1.000	15.	0.00	0.00	2.14	-5.36	-2.47	1.
Office 107 zn	225.	20.	0.000	0.719	20.	0.00	0.00	4.81	-8.64	-3.98	1.
CIRC 111 zn	1010.	106.	0.000	1.000	106.	0.00	0.00	21.61	-54.02	-24.85	1.
Classroom 113 zn	648.	343.	0.000	1.000	343.	0.00	0.00	13.86	-34.64	-15.93	1.
Classroom 115 zn	648.	343.	0.000	1.000	343.	0.00	0.00	13.86	-34.64	-15.93	1.
Classroom 116 zn	648.	343.	0.000	1.000	343.	0.00	0.00	13.85	-34.62	-15.93	1.
LRC-1 119 zn	365.	106.	0.000	0.724	106.	0.00	0.00	7.80	-14.13	-6.50	1.
Preschol 117 zn	739.	298.	0.000	1.000	298.	0.00	0.00	15.79	-39.49	-18.16	1.
Preschol 118 zn	1055.	298.	0.000	0.729	298.	0.00	0.00	22.56	-41.13	-18.92	1.

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REPORT- SV-A System Design Parameters for VFC-2-1-16 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	8468.2	183.	0.323	301.426	0.574	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	7495.	1.00	5.195	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Break Room 211A zn	605.	81.	0.000	0.504	81.	0.00	0.00	12.93	-16.30	-7.50	1.
Office 212B zn	125.	15.	0.000	0.928	15.	0.00	0.00	2.68	-6.22	-2.86	1.
Office 213C zn	173.	15.	0.000	0.583	15.	0.00	0.00	3.70	-5.39	-2.48	1.
Rental 212 zn	324.	40.	0.000	1.000	40.	0.00	0.00	6.93	-17.33	-7.97	1.
Rental 213 zn	552.	81.	0.000	1.000	81.	0.00	0.00	11.80	-29.49	-13.57	1.

Work Room 213B zn	83.	15.	0.000	1.000	15.	0.00	0.00	1.78	-4.46	-2.05	1.
Circulation 200 zn	1444.	263.	0.000	1.000	263.	0.00	0.00	30.88	-77.20	-35.51	1.
Classroom 202 zn	649.	343.	0.000	1.000	343.	0.00	0.00	13.88	-34.70	-15.96	1.
Classroom 203 zn	649.	343.	0.000	1.000	343.	0.00	0.00	13.89	-34.72	-15.97	1.
Classroom 204 zn	649.	343.	0.000	1.000	343.	0.00	0.00	13.88	-34.70	-15.96	1.
Classroom 206 zn	878.	364.	0.000	0.817	364.	0.00	0.00	18.79	-38.35	-17.64	1.
Classroom 207 zn	742.	364.	0.000	0.882	364.	0.00	0.00	15.87	-34.99	-16.09	1.
Conference Room 212A zn	209.	50.	0.000	1.000	50.	0.00	0.00	4.46	-11.15	-5.13	1.
Conference Room 213A zn	412.	101.	0.000	1.000	101.	0.00	0.00	8.82	-22.05	-10.14	1.

REPORT- SV-A System Design Parameters for VFC-3-1-16 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	7800.5	155.	0.242	315.249	0.588	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	8287.	1.00	5.744	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Camp Schchter 303 zn	294.	40.	0.000	1.000	40.	0.00	0.00	6.28	-15.71	-7.23	1.
COO 303C zn	178.	20.	0.000	0.551	20.	0.00	0.00	3.80	-5.24	-2.41	1.
Exec Office 300F zn	165.	30.	0.000	1.000	30.	0.00	0.00	3.53	-8.82	-4.06	1.
OffPhone 303B zn	137.	15.	0.000	0.746	15.	0.00	0.00	2.93	-5.46	-2.51	1.
Office 301A zn	101.	15.	0.000	1.000	15.	0.00	0.00	2.16	-5.40	-2.48	1.
Office 301B zn	113.	15.	0.000	1.000	15.	0.00	0.00	2.42	-6.04	-2.78	1.
Office 302B zn	70.	15.	0.000	1.000	15.	0.00	0.00	1.50	-3.75	-1.72	1.
Program Office 303E zn	478.	56.	0.000	0.620	56.	0.00	0.00	10.22	-15.84	-7.29	1.
Rental 302 zn	953.	81.	0.000	0.587	81.	0.00	0.00	20.38	-29.90	-13.76	1.
Rental Office 300F zn	116.	25.	0.000	1.000	25.	0.00	0.00	2.48	-6.19	-2.85	1.
Circulation 300 zn	1150.	146.	0.000	0.979	146.	0.00	0.00	24.59	-60.17	-27.68	1.
ARTStmOpn Offc 301D zn	2240.	758.	0.000	0.843	758.	0.00	0.00	47.90	-100.97	-46.45	1.
Conference Room 303A zn	554.	96.	0.000	0.625	96.	0.00	0.00	11.85	-18.53	-8.52	1.
DevComm 303D zn	471.	45.	0.000	0.493	45.	0.00	0.00	10.08	-12.60	-5.79	1.
GameTrch Room 301G zn	448.	364.	0.000	0.811	364.	0.00	0.00	9.59	-19.44	-8.94	1.
Music Room 301F zn	570.	263.	0.000	0.612	263.	0.00	0.00	12.19	-18.64	-8.58	1.

Snoezelen Room 301E zn	250.	20.	0.000	0.631	20.	0.00	0.00	5.35	-8.44	-3.88	1.

REPORT- SV-A System Design Parameters for RTU-R-1-2 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	7557.4	76.	0.238	259.737	0.566	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	6106.	1.00	4.232	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
GYMMulty 103B zn	2974.	606.	0.000	1.000	606.	0.00	0.00	63.61	-159.03	-73.15	1.
GYMMulty 203B zn	3132.	848.	0.000	1.000	848.	0.00	0.00	66.98	-167.45	-77.03	1.

REPORT- SV-A System Design Parameters for DXFC-B-1-2-(2-1) sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	502.7	5.	0.000	12.220	0.689	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	406.	1.00	0.281	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Shared IDF 200F zn	163.	0.	0.000	1.000	0.	0.00	0.00	3.50	-8.74	-4.02	1.
MDF 001F zn	194.	0.	0.000	1.000	0.	0.00	0.00	4.15	-10.38	-4.77	1.
Machine Room 008A zn	49.	0.	0.000	1.000	0.	0.00	0.00	1.04	-2.60	-1.19	1.

REPORT- SV-A System Design Parameters for RH-STAIR sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
UVT	1.010	1950.1	49.	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2265.	0.00	0.000	0.92	0.0	0.00	0.00	BLOW-THRU	CONSTANT	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Stair SW 000 zn	187.	0.	0.056	1.000	0.	0.00	0.00	0.00	-4.77	-4.00	1.
Stair SE-1 100 zn	278.	0.	0.082	1.000	0.	0.00	0.00	0.00	-7.07	-5.93	1.
Stair SW-1 100 zn	450.	0.	0.134	1.000	0.	0.00	0.00	0.00	-11.45	-9.60	1.
Stair SE-2 200 zn	225.	0.	0.067	1.000	0.	0.00	0.00	0.00	-5.72	-4.79	1.
Stair SW-2 200 zn	466.	0.	0.138	1.000	0.	0.00	0.00	0.00	-11.86	-9.95	1.
Stair SE-3 200 zn	214.	0.	0.064	1.000	0.	0.00	0.00	0.00	-5.46	-4.58	1.
Stair SW-3 200 zn	445.	0.	0.132	1.000	0.	0.00	0.00	0.00	-11.32	-9.49	1.

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REPORT- SV-A System Design Parameters for CONDITIONED SPACE sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
UVT	1.010	6836.3	114.	0.008	0.000	0.000	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	8158.	0.00	0.000	0.92	0.0	0.00	0.00	BLOW-THRU	CONSTANT	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT

Lobby 1 200 zn	214.	0.	0.063	1.000	0.	0.00	0.00	0.00	-5.44	-4.56	1.
Restroom 001B zn	24.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.61	-0.51	1.
Restroom 001D zn	86.	0.	0.026	1.000	0.	0.00	0.00	0.00	-2.20	-1.85	1.
Restroom 001E zn	21.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.53	-0.45	1.
TLT 009 zn	70.	0.	0.021	1.000	0.	0.00	0.00	0.00	-1.79	-1.50	1.
Mens TLTS 105 zn	234.	0.	0.070	1.000	0.	0.00	0.00	0.00	-5.96	-5.00	1.
Restroom 111A zn	24.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.61	-0.51	1.
Restroom 111B zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.58	-0.49	1.
Restroom 111C zn	86.	0.	0.026	1.000	0.	0.00	0.00	0.00	-2.20	-1.85	1.
TLT 117A zn	40.	0.	0.012	1.000	0.	0.00	0.00	0.00	-1.03	-0.86	1.
TLT 117B zn	55.	0.	0.016	1.000	0.	0.00	0.00	0.00	-1.40	-1.17	1.
TLT 118A zn	38.	0.	0.011	1.000	0.	0.00	0.00	0.00	-0.96	-0.80	1.
TLT 118B zn	55.	0.	0.016	1.000	0.	0.00	0.00	0.00	-1.41	-1.18	1.
Womens TLTS 104 zn	311.	0.	0.092	1.000	0.	0.00	0.00	0.00	-7.92	-6.64	1.
Restroom 200B zn	24.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.61	-0.51	1.
Restroom 200C zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.58	-0.49	1.
Restroom 200D zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.58	-0.49	1.
Restroom 200E zn	83.	0.	0.025	1.000	0.	0.00	0.00	0.00	-2.12	-1.78	1.
Restroom 200G zn	16.	0.	0.005	1.000	0.	0.00	0.00	0.00	-0.42	-0.35	1.
Restroom 201 zn	82.	0.	0.024	1.000	0.	0.00	0.00	0.00	-2.10	-1.76	1.
Restroom 211A zn	17.	0.	0.005	1.000	0.	0.00	0.00	0.00	-0.42	-0.35	1.
Restroom 211C zn	31.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.78	-0.65	1.
Restroom 211D zn	71.	0.	0.021	1.000	0.	0.00	0.00	0.00	-1.81	-1.52	1.
Restroom 300A zn	44.	0.	0.013	1.000	0.	0.00	0.00	0.00	-1.13	-0.95	1.
Restroom 300B zn	66.	0.	0.020	1.000	0.	0.00	0.00	0.00	-1.68	-1.41	1.
Restroom 300C zn	67.	0.	0.020	1.000	0.	0.00	0.00	0.00	-1.70	-1.43	1.
Restroom 300G zn	39.	0.	0.012	1.000	0.	0.00	0.00	0.00	-0.99	-0.83	1.
WD 001 zn	25.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.64	-0.54	1.
Vestibule 106 zn	164.	0.	0.049	1.000	0.	0.00	0.00	0.00	-4.18	-3.50	1.
Vestibule 110 zn	194.	0.	0.058	1.000	0.	0.00	0.00	0.00	-4.93	-4.13	1.

Vestibule3 100 zn	242.	0.	0.072	1.000	0.	0.00	0.00	0.00	-6.15	-5.17	1.
Restroom 001C zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.58	-0.49	1.
MP Storage 008 zn	286.	0.	0.085	1.000	0.	0.00	0.00	0.00	-7.27	-6.09	1.
PlumbingStorage 007 zn	992.	0.	0.295	1.000	0.	0.00	0.00	0.00	-25.25	-21.17	1.
Storage 002A zn	166.	0.	0.049	1.000	0.	0.00	0.00	0.00	-4.22	-3.54	1.
Storage 003A zn	54.	0.	0.016	1.000	0.	0.00	0.00	0.00	-1.36	-1.14	1.
Storage 006A zn	325.	0.	0.096	1.000	0.	0.00	0.00	0.00	-8.26	-6.93	1.
FC Storage 103D zn	64.	0.	0.019	1.000	0.	0.00	0.00	0.00	-1.62	-1.36	1.
Storage 101A zn	19.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.48	-0.40	1.
Storage 103C zn	101.	0.	0.030	1.000	0.	0.00	0.00	0.00	-2.57	-2.16	1.

Storage 103E zn	51.	0.	0.015	1.000	0.	0.00	0.00	0.00	-1.31	-1.10	1.
Storage 103F zn	218.	0.	0.065	1.000	0.	0.00	0.00	0.00	-5.56	-4.66	1.
Storage 103G zn	172.	0.	0.051	1.000	0.	0.00	0.00	0.00	-4.38	-3.67	1.
Storage4 100 zn	34.	0.	0.010	1.000	0.	0.00	0.00	0.00	-0.86	-0.72	1.
Storage 203E zn	55.	0.	0.016	1.000	0.	0.00	0.00	0.00	-1.40	-1.18	1.
Storage 203G zn	179.	0.	0.053	1.000	0.	0.00	0.00	0.00	-4.55	-3.82	1.
Storage 3 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Storage4 200 zn	34.	0.	0.010	1.000	0.	0.00	0.00	0.00	-0.86	-0.72	1.
JC 300E zn	46.	0.	0.014	1.000	0.	0.00	0.00	0.00	-1.17	-0.98	1.
Storage 2 300 zn	13.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.33	-0.27	1.
Storage 3 300 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Elevator Penthouse R zn	91.	0.	0.027	1.000	0.	0.00	0.00	0.00	-2.32	-1.95	1.
Elevator1 000 zn	118.	0.	0.035	1.000	0.	0.00	0.00	0.00	-2.99	-2.52	1.
Shaft1 000 zn	29.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.75	-0.63	1.
Elevator1 100 zn	90.	0.	0.027	1.000	0.	0.00	0.00	0.00	-2.30	-1.93	1.
Shaft 1 100 zn	29.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.75	-0.63	1.
Shaft 103E zn	17.	0.	0.005	1.000	0.	0.00	0.00	0.00	-0.44	-0.37	1.
Shaft 2 100 zn	15.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.38	-0.32	1.
Shaft 3 100 zn	30.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.76	-0.63	1.
Shaft 5 100 zn	25.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.64	-0.54	1.
Elevator1 200 zn	90.	0.	0.027	1.000	0.	0.00	0.00	0.00	-2.30	-1.93	1.
Shaft 1 200 zn	36.	0.	0.011	1.000	0.	0.00	0.00	0.00	-0.91	-0.76	1.
Shaft 2 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Shaft 203E zn	14.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.35	-0.30	1.
Shaft 3 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Elevator1 300 zn	91.	0.	0.027	1.000	0.	0.00	0.00	0.00	-2.32	-1.95	1.
Shaft 1 300 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Shaft 2 300 zn	26.	0.	0.008	1.000	0.	0.00	0.00	0.00	-0.67	-0.56	1.
MP Lobby 101 zn	891.	66.	0.270	1.000	66.	0.00	0.00	0.00	-26.77	-19.12	1.
Electrical 002B zn	318.	0.	0.094	1.000	0.	0.00	0.00	0.00	-8.09	-6.78	1.
Sprinkler 008B zn	169.	0.	0.050	1.000	0.	0.00	0.00	0.00	-4.29	-3.60	1.
Electrical 111D zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Faculty2 104 zn	268.	0.	0.080	1.000	0.	0.00	0.00	0.00	-6.82	-5.73	1.
Mech Mezz 213D zn	424.	0.	0.126	1.000	0.	0.00	0.00	0.00	-10.80	-9.05	1.

REPORT- SV-A System Design Parameters for VFC-1-1-12 (a)sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	631.5	8.	0.208	18.914	0.595	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	510.	1.00	0.354	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Admin 114 zn	299.	50.	0.004	1.000	50.	0.00	0.00	6.40	-15.99	-7.36	1.
Kitchen 102 zn	211.	56.	0.005	1.000	56.	0.00	0.00	4.51	-11.29	-5.19	1.

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- SV-A System Design Parameters for VFC1-12 (b)sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	485.2	2.	0.167	13.800	0.610	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	392.	1.00	0.272	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
OFF 114A zn	85.	15.	0.001	1.000	15.	0.00	0.00	1.82	-4.56	-2.10	1.
OFF 114B zn	86.	15.	0.001	1.000	15.	0.00	0.00	1.84	-4.61	-2.12	1.
OFF 114D zn	77.	15.	0.001	1.000	15.	0.00	0.00	1.64	-4.10	-1.88	1.
Off 112 zn	144.	20.	0.002	1.000	20.	0.00	0.00	3.08	-7.69	-3.54	1.

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- SV-A System Design Parameters for VFC-3-1-16 sys (a) WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	174.2	1.	0.215	5.099	0.601	-0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	141.	1.00	0.098	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Office 302A zn	71.	15.	0.001	1.000	15.	0.00	0.00	1.51	-3.77	-1.74	1.
Office 302C zn	70.	15.	0.001	1.000	15.	0.00	0.00	1.50	-3.75	-1.73	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	207.9	5.	0.150	6.933	0.618	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	202.	1.00	0.140	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
LRC-2 205 zn	202.	30.	0.003	0.838	30.	0.00	0.00	4.33	-9.07	-4.17	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.010	887.3	22.	0.817	35.077	0.541	0.000	0.286	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)

SUPPLY	717.	1.00	0.497	2.14	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30		

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
ART 003 zn	717.	586.	0.051	1.000	586.	0.00	0.00	15.33	-38.33	-17.63	1.

Baseline Design Output Reports

REPORT- BEPU

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Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- BEPU Building Utility Performance                                          WEATHER FILE- EPW Seattle-King Cou
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                    TASK     MISC    SPACE    SPACE     HEAT    PUMPS     VENT    REFRIG  HT PUMP   DOMEST    EXT
             LIGHTS LIGHTS   EQUIP  HEATING  COOLING   REJECT  & AUX     FANS   DISPLAY  SUPPLEM  HOT WTR  USAGE    TOTAL
            ------- -------  ------- -------  -------  -------  -------  -------  -------  -------  -------  -------  ---------

EM1  ELECTRICITY
    KWH      180608.       0.  159035.       0.   72847.       0.    5377.  209774.       0.       0.       0.    5078.   632718.

FM1  NATURAL-GAS
    THERM         0.       0.       0.   23419.       0.       0.       0.       0.       0.       0.     302.       0.    23721.


          TOTAL ELECTRICITY    632718. KWH        12.846 KWH     /SQFT-YR GROSS-AREA   12.846 KWH     /SQFT-YR NET-AREA
          TOTAL NATURAL-GAS     23721. THERM       0.482 THERM   /SQFT-YR GROSS-AREA    0.482 THERM   /SQFT-YR NET-AREA


          PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE =  2.18
          PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED                =  0.00
          HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE                =     2
          HOURS ANY ZONE BELOW HEATING THROTTLING RANGE                =   189

          NOTE:  ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.
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REPORT- LS-K

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Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:12:31  BDL RUN  6

REPORT- LS-K Building Input Fuels Summary                                          WEATHER FILE- EPW Seattle-King Cou
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BUILDING
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	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - - - - - - -		P R O C E S S - - - - - - - - -	
MONTH	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	14370.86	13078.19	0.00	0.0000	0.0000
FEB	0.00	13777.60	12165.91	0.00	0.0000	0.0000
MAR	0.00	16105.97	13847.86	0.00	0.0000	0.0000
APR	0.00	15475.01	13351.06	0.00	0.0000	0.0000
MAY	0.00	14806.45	13271.92	0.00	0.0000	0.0000
JUN	0.00	15474.99	13351.37	0.00	0.0000	0.0000
JUL	0.00	15241.84	13464.42	0.00	0.0000	0.0000
AUG	0.00	15670.49	13654.65	0.00	0.0000	0.0000
SEP	0.00	15039.49	13158.22	0.00	0.0000	0.0000
OCT	0.00	14806.37	13271.57	0.00	0.0000	0.0000
NOV	0.00	14604.13	12964.62	0.00	0.0000	0.0000
DEC	0.00	15235.12	13461.20	0.00	0.0000	0.0000
ANNUAL	0.00	180597.00	159098.27	0.00	0.0000	0.0000

REPORT- LV-D

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-D Details of Exterior Surfaces WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.570	0.118	0.220	1834.58	6270.11	8104.69
EAST	0.570	0.118	0.199	537.89	2477.27	3015.16
SOUTH	0.570	0.118	0.238	2018.51	5599.49	7617.99
WEST	0.570	0.118	0.221	609.16	2051.82	2660.98
NORTH-WEST	0.570	0.118	0.248	279.27	688.43	967.69
FLOOR	0.000	0.051	0.051	0.00	577.00	577.00
ROOF	0.779	0.062	0.066	92.82	16743.83	16836.65
ALL WALLS	0.570	0.118	0.225	5279.40	17087.12	22366.52
WALLS+ROOFS	0.574	0.090	0.156	5372.22	33830.95	39203.16
UNDERGRND	0.000	0.101	0.101	0.00	19530.19	19530.19
BUILDING	0.574	0.093	0.137	5372.22	53938.15	59310.36

REPORT- LV-E

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-E Details of Underground Surfaces WEATHER FILE- EPW Seattle-King Cou

NUMBER OF UNDERGROUND SURFACES 65

SURFACE NAME	MULTIPLIER	AREA (SQFT)	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
Und Floor 0001	1.0	887.26	S-o-G_UH_Floor	0.042
Und Wall 0001	1.0	131.83	Below-grade_Wall	0.391
Und Floor 0002	1.0	1059.76	S-o-G_UH_Floor	0.042
Und Floor 0003	1.0	487.21	S-o-G_UH_Floor	0.042
Und Wall 0002	1.0	197.08	Below-grade_Wall	0.391
Und Wall 0003	1.0	226.04	Below-grade_Wall	0.391
Und Floor 0004	1.0	273.75	S-o-G_UH_Floor	0.042
Und Wall 0004	1.0	132.53	Below-grade_Wall	0.391
Und Floor 0005	1.0	77.77	S-o-G_UH_Floor	0.042
Underground Wall 63	1.0	37.56	Below-grade_Wall	0.391
Underground Wall 64	1.0	33.13	Below-grade_Wall	0.391
Underground Wall 65	1.0	37.56	Below-grade_Wall	0.391
Und Floor 0006	1.0	706.36	S-o-G_UH_Floor	0.042
Und Wall 0005	1.0	147.76	Below-grade_Wall	0.391
Und Wall 0006	1.0	194.86	Below-grade_Wall	0.391
Und Wall 0007	1.0	72.64	Below-grade_Wall	0.391
Und Floor 0007	1.0	240.25	S-o-G_UH_Floor	0.042
Und Wall 0008	1.0	63.89	Below-grade_Wall	0.391
Und Wall 0009	1.0	188.03	Below-grade_Wall	0.391
Und Floor 0008	1.0	245.82	S-o-G_UH_Floor	0.042
Und Wall 0010	1.0	76.84	Below-grade_Wall	0.391
Und Floor 0009	1.0	60.13	S-o-G_UH_Floor	0.042
Und Floor 0010	1.0	854.27	S-o-G_UH_Floor	0.042
Und Wall 0011	1.0	503.66	Below-grade_Wall	0.391
Und Floor 0011	1.0	20.67	S-o-G_UH_Floor	0.042
Und Floor 0012	1.0	19.68	S-o-G_UH_Floor	0.042
Und Floor 0013	1.0	74.46	S-o-G_UH_Floor	0.042
Und Floor 0014	1.0	17.98	S-o-G_UH_Floor	0.042
Und Floor 0015	1.0	25.30	S-o-G_UH_Floor	0.042
Und Wall 0012	1.0	83.11	Below-grade_Wall	0.391
Und Floor 0016	1.0	145.20	S-o-G_UH_Floor	0.042
Und Wall 0013	1.0	251.57	Below-grade_Wall	0.391
Und Floor 0017	1.0	161.29	S-o-G_UH_Floor	0.042
Und Floor 0018	1.0	1471.43	S-o-G_UH_Floor	0.042
Und Wall 0014	1.0	117.79	Below-grade_Wall	0.391
Und Floor 0019	1.0	142.65	S-o-G_UH_Floor	0.042
Und Wall 0015	1.0	174.39	Below-grade_Wall	0.391
Und Floor 0020	1.0	46.10	S-o-G_UH_Floor	0.042
Und Floor 0021	1.0	279.56	S-o-G_UH_Floor	0.042
Und Wall 0016	1.0	113.09	Below-grade_Wall	0.391
Und Wall 0017	1.0	355.99	Below-grade_Wall	0.391
Und Floor 0022	1.0	60.68	S-o-G_UH_Floor	0.042
Und Floor 0023	1.0	21.63	S-o-G_UH_Floor	0.042
Und Floor 0024	1.0	324.34	S-o-G_UH_Floor	0.042
Und Wall 0018	1.0	131.20	Below-grade_Wall	0.391
Und Floor 0025	1.0	153.80	S-o-G_UH_Floor	0.042
Und Floor 0026	1.0	1798.43	S-o-G_UH_Floor	0.042
Und Floor 0027	1.0	385.46	S-o-G_UH_Floor	0.042

Und Floor 0028	1.0	54.77	S-o-G_UH_Floor	0.042
Und Floor 0029	1.0	3681.30	S-o-G_UH_Floor	0.042
Und Floor 0030	1.0	261.27	S-o-G_UH_Floor	0.042
Und Floor 0031	1.0	766.73	S-o-G_UH_Floor	0.042

(CONTINUED)

SURFACE NAME	MULTIPLIER	AREA (SQFT)	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
Und Floor 0032	1.0	201.73	S-o-G_UH_Floor	0.042
Und Floor 0033	1.0	14.77	S-o-G_UH_Floor	0.042
Und Floor 0034	1.0	25.62	S-o-G_UH_Floor	0.042
Und Floor 0035	1.0	239.11	S-o-G_UH_Floor	0.042
Und Floor 0036	1.0	16.11	S-o-G_UH_Floor	0.042
Und Floor 0037	1.0	86.97	S-o-G_UH_Floor	0.042
Und Floor 0038	1.0	41.08	S-o-G_UH_Floor	0.042
Und Floor 0039	1.0	187.96	S-o-G_UH_Floor	0.042
Und Floor 0040	1.0	148.07	S-o-G_UH_Floor	0.042
Und Floor 0041	1.0	29.16	S-o-G_UH_Floor	0.042
Und Floor 0042	1.0	63.45	S-o-G_UH_Floor	0.042
Und Floor 0043	1.0	132.30	S-o-G_UH_Floor	0.042
Und Floor 0044	1.0	268.00	S-o-G_UH_Floor	0.042

REPORT- LS-C

*** BUILDING ***

FLOOR AREA 49256 SQFT 4576 M2
VOLUME 581647 CUFT 16472 M3

COOLING LOAD	HEATING LOAD

TIME	AUG 10 4PM		JAN 6 5AM	
DRY-BULB TEMP	88 F	31 C	27 F	-3 C
WET-BULB TEMP	66 F	19 C	22 F	-6 C
TOT HORIZONTAL SOLAR RAD	221 BTU/H.SQFT	696 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	4.7 KTS	2.4 M/S	7.1 KTS	3.6 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE (KBTU/H)	SENSIBLE (KW)	LATENT (KBTU/H)	LATENT (KW)	SENSIBLE (KBTU/H)	SENSIBLE (KW)
WALL CONDUCTION	73.437	21.517	0.000	0.000	-87.950	-25.769
ROOF CONDUCTION	67.030	19.640	0.000	0.000	-47.615	-13.951
WINDOW GLASS+FRM COND	36.320	10.642	0.000	0.000	-123.952	-36.318
WINDOW GLASS SOLAR	137.036	40.152	0.000	0.000	2.834	0.830
DOOR CONDUCTION	1.482	0.434	0.000	0.000	-1.769	-0.518
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-14.119	-4.137	0.000	0.000	-39.139	-11.468
OCCUPANTS TO SPACE	220.752	64.680	224.368	65.740	6.621	1.940
LIGHT TO SPACE	126.752	37.138	0.000	0.000	29.499	8.643
EQUIPMENT TO SPACE	65.841	19.291	0.000	0.000	25.167	7.374
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	79.491	23.291	0.000	0.000	-287.732	-84.306
TOTAL	794.021	232.648	224.368	65.740	-524.036	-153.542
TOTAL / AREA	0.016	0.051	0.005	0.014	-0.011	-0.034

TOTAL LOAD	1018.389	KBTU/H	298.388	KW	-524.036 KBTU/H	-153.542 KW
TOTAL LOAD / AREA	20.68	BTU/H.SQFT	65.207	W/M2	10.639 BTU/H.SQFT	33.554 W/M2

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*****************************************************************
*                                                               *
*  NOTE  1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR      *
*  ----    LOADS                                                *
*        2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION        *
*          IN CONSIDERATION                                     *
*        3)THE ABOVE LOADS ARE CALCULATED ASSUMING A            *
*          CONSTANT INDOOR SPACE TEMPERATURE                    *
*                                                               *
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REPORT- LV-H

NUMBER OF WINDOWS 201

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB
N Win 0 2	1.0	27.73	8.74	3.17	17.52	0.10	0.00	0.00	0.384	0.000
N Win 1 2	1.0	27.73	8.74	3.17	14.16	0.10	0.00	0.00	0.384	0.000
N Win 2 2	1.0	27.73	8.74	3.17	10.79	0.10	0.00	0.00	0.384	0.000
N Win 3 2	1.0	26.38	8.68	3.04	7.42	0.16	0.00	0.00	0.384	0.000
N Win 4 2	1.0	11.33	5.67	2.00	4.64	0.83	0.00	0.00	0.384	0.000
N Win 5	1.0	5.31	1.67	3.19	4.04	7.17	0.00	0.00	0.384	0.000
N Win 0	1.0	35.41	6.12	5.79	42.55	3.33	0.00	0.00	0.384	0.000
N Win 1	1.0	35.41	6.12	5.79	35.57	3.36	0.00	0.00	0.384	0.000
N Win 2	1.0	17.00	5.67	3.00	23.89	0.84	0.00	0.00	0.384	0.000
N Win 3	1.0	16.92	6.16	2.75	31.64	3.33	0.00	0.00	0.384	0.000
N Win 4	1.0	10.67	2.67	4.00	23.39	7.17	0.00	0.00	0.384	0.000
E Win 0 2	1.0	14.27	3.89	3.67	11.49	7.91	0.00	0.00	0.384	0.000
E Win 1 2	1.0	14.22	3.89	3.65	28.83	7.91	0.00	0.00	0.384	0.000
E Win 2 2	1.0	14.20	5.67	2.51	8.33	0.83	0.00	0.00	0.384	0.000
E Win 3 2	1.0	14.20	5.67	2.51	33.15	0.83	0.00	0.00	0.384	0.000
E Win 4 2	1.0	13.60	3.89	3.49	32.65	7.91	0.00	0.00	0.384	0.000
E Win 5	1.0	13.60	3.89	3.49	7.84	7.91	0.00	0.00	0.384	0.000
E Win 6	1.0	12.46	3.89	3.20	25.45	7.91	0.00	0.00	0.384	0.000
E Win 7	1.0	12.46	3.89	3.20	22.08	7.91	0.00	0.00	0.384	0.000
E Win 8	1.0	12.46	3.89	3.20	15.33	7.91	0.00	0.00	0.384	0.000
E Win 9	1.0	12.46	3.89	3.20	18.71	7.91	0.00	0.00	0.384	0.000
S Win 0 19	1.0	11.59	4.12	2.81	14.69	6.43	0.00	0.00	0.384	0.000
S Win 1 11	1.0	11.59	4.12	2.81	21.69	6.43	0.00	0.00	0.384	0.000
S Win 2 9	1.0	11.59	4.12	2.81	35.68	6.43	0.00	0.00	0.384	0.000
S Win 3 6	1.0	11.54	4.12	2.80	7.71	6.43	0.00	0.00	0.384	0.000
S Win 4 5	1.0	11.54	4.12	2.80	28.69	6.43	0.00	0.00	0.384	0.000
N Win 0 14	1.0	41.20	7.12	5.79	5.93	2.67	0.00	0.00	0.384	0.000
N Win 1 7	1.0	41.20	7.12	5.79	12.91	2.68	0.00	0.00	0.384	0.000
N Win 2 5	1.0	19.67	7.16	2.75	1.99	2.67	0.00	0.00	0.384	0.000
N Win 0 17	1.0	41.20	7.12	5.79	14.60	2.68	0.00	0.00	0.384	0.000
N Win 1 10	1.0	41.20	7.12	5.79	7.63	2.67	0.00	0.00	0.384	0.000
N Win 2 8	1.0	19.67	7.16	2.75	3.67	2.67	0.00	0.00	0.384	0.000
N Win 0 16	1.0	41.20	7.12	5.79	7.61	2.67	0.00	0.00	0.384	0.000
N Win 1 9	1.0	41.20	7.12	5.79	14.59	2.68	0.00	0.00	0.384	0.000
N Win 2 7	1.0	19.67	7.16	2.75	3.65	2.67	0.00	0.00	0.384	0.000

N Win 0 15	1.0	35.44	9.67	3.67	15.51	0.17	0.00	0.00	0.384	0.000
N Win 1 8	1.0	35.44	9.67	3.67	19.33	0.17	0.00	0.00	0.384	0.000
N Win 2 6	1.0	35.44	9.67	3.67	7.84	0.17	0.00	0.00	0.384	0.000
N Win 3 5	1.0	35.44	9.67	3.67	23.17	0.17	0.00	0.00	0.384	0.000
N Win 4 4	1.0	35.44	9.67	3.67	11.68	0.17	0.00	0.00	0.384	0.000
E Win 0 3	1.0	23.85	6.83	3.49	42.97	0.16	0.00	0.00	0.384	0.000
E Win 1 3	1.0	14.20	5.67	2.51	5.97	0.83	0.00	0.00	0.384	0.000
E Win 2 3	1.0	13.60	3.89	3.49	5.48	7.91	0.00	0.00	0.384	0.000
W Win 0 5	1.0	23.94	6.83	3.51	2.79	0.17	0.00	0.00	0.384	0.000
S Win 0 12	1.0	41.20	7.12	5.79	0.60	2.68	0.00	0.00	0.384	0.000
S Win 1 6	1.0	19.67	7.16	2.75	7.57	2.65	0.00	0.00	0.384	0.000
N Win 0 13	1.0	19.67	7.16	2.75	3.67	2.69	0.00	0.00	0.384	0.000
N Win 0 12	1.0	19.67	7.16	2.75	5.13	2.67	0.00	0.00	0.384	0.000
N Win 0 11	1.0	19.67	7.16	2.75	7.79	2.68	0.00	0.00	0.384	0.000

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB
S Win 0 16	1.0	41.20	7.12	5.79	3.77	2.68	0.00	0.00	0.384	0.000
S Win 0 14	1.0	41.20	7.12	5.79	7.59	2.68	0.00	0.00	0.384	0.000
W Win 0 6	1.0	41.20	7.12	5.79	0.26	2.69	0.00	0.00	0.384	0.000
W Win 1 5	1.0	24.77	7.17	3.45	18.40	2.67	0.00	0.00	0.384	0.000
W Win 2 3	1.0	23.57	6.83	3.45	14.78	0.17	0.00	0.00	0.384	0.000
W Win 3 2	1.0	19.67	7.16	2.75	7.48	2.67	0.00	0.00	0.384	0.000
W Win 4 2	1.0	11.33	5.67	2.00	22.52	0.84	0.00	0.00	0.384	0.000
W Win 5 2	1.0	9.21	2.67	3.45	14.78	7.17	0.00	0.00	0.384	0.000
W Win 6	1.0	8.06	2.33	3.45	18.40	0.17	0.00	0.00	0.384	0.000
W Win 7	1.0	8.00	2.67	3.00	22.02	7.17	0.00	0.00	0.384	0.000
W Win 0 3	1.0	25.34	7.17	3.53	8.77	2.67	0.00	0.00	0.384	0.000
W Win 1 3	1.0	25.34	7.17	3.53	1.90	2.67	0.00	0.00	0.384	0.000
W Win 2 2	1.0	11.33	5.67	2.00	6.10	0.84	0.00	0.00	0.384	0.000
W Win 3	1.0	8.24	2.33	3.53	8.77	0.17	0.00	0.00	0.384	0.000
W Win 4	1.0	8.24	2.33	3.53	1.90	0.17	0.00	0.00	0.384	0.000
W Win 5	1.0	8.00	2.67	3.00	5.61	7.17	0.00	0.00	0.384	0.000
S Win 0 13	1.0	41.20	7.12	5.79	9.27	2.68	0.00	0.00	0.384	0.000
S Win 1 7	1.0	41.20	7.12	5.79	16.27	2.68	0.00	0.00	0.384	0.000
S Win 2 5	1.0	41.20	7.12	5.79	30.25	2.68	0.00	0.00	0.384	0.000
S Win 3 2	1.0	19.67	7.16	2.75	5.33	2.65	0.00	0.00	0.384	0.000
S Win 4 2	1.0	19.67	7.16	2.75	26.32	2.65	0.00	0.00	0.384	0.000
S Win 0 11	1.0	45.05	9.65	4.67	0.57	0.16	0.00	0.00	0.384	0.000
S Win 0 15	1.0	21.02	6.83	3.08	6.73	0.16	0.00	0.00	0.384	0.000
S Win 1 8	1.0	19.93	6.83	2.92	3.65	0.16	0.00	0.00	0.384	0.000
S Win 2 6	1.0	11.33	5.67	2.00	0.98	0.83	0.00	0.00	0.384	0.000

S Win 3 3	1.0	8.21	2.67	3.08	6.73	7.16	0.00	0.00	0.384	0.000
S Win 4 3	1.0	8.00	2.67	3.00	0.49	7.16	0.00	0.00	0.384	0.000
S Win 5	1.0	7.79	2.67	2.92	3.65	7.16	0.00	0.00	0.384	0.000
S Win 0 17	1.0	21.78	9.67	2.25	6.64	0.16	0.00	0.00	0.384	0.000
S Win 1 9	1.0	16.00	2.67	6.00	0.48	7.16	0.00	0.00	0.384	0.000
S Win 2 7	1.0	11.33	5.67	2.00	0.98	0.83	0.00	0.00	0.384	0.000
S Win 3 4	1.0	11.11	5.67	1.96	3.98	0.83	0.00	0.00	0.384	0.000
W Win 0 4	1.0	28.70	9.16	3.13	3.46	0.28	0.00	0.00	0.384	0.000
W Win 1 4	1.0	28.33	9.16	3.09	0.24	0.28	0.00	0.00	0.384	0.000
S Win 0 18	1.0	35.90	9.16	3.92	0.36	0.16	0.00	0.00	0.384	0.000
S Win 1 10	1.0	35.78	9.16	3.91	11.09	0.16	0.00	0.00	0.384	0.000
S Win 2 8	1.0	13.97	2.16	6.47	4.45	7.16	0.00	0.00	0.384	0.000
S Win 3 5	1.0	12.69	5.67	2.24	4.95	0.83	0.00	0.00	0.384	0.000
S Win 4 4	1.0	12.69	5.67	2.24	8.19	0.83	0.00	0.00	0.384	0.000
S Win 0 23	1.0	41.20	7.12	5.79	11.92	1.99	0.00	0.00	0.384	0.000
S Win 1 14	1.0	41.20	7.12	5.79	18.91	1.99	0.00	0.00	0.384	0.000
S Win 2 12	1.0	41.20	7.12	5.79	1.43	1.99	0.00	0.00	0.384	0.000
E Win 0 4	1.0	21.36	5.83	3.67	11.49	0.11	0.00	0.00	0.384	0.000
E Win 1 4	1.0	21.29	5.83	3.65	28.83	0.11	0.00	0.00	0.384	0.000
E Win 2 4	1.0	20.35	5.83	3.49	7.84	0.10	0.00	0.00	0.384	0.000
E Win 3 3	1.0	20.35	5.83	3.49	32.65	0.11	0.00	0.00	0.384	0.000
E Win 4 3	1.0	18.64	5.83	3.20	25.45	0.11	0.00	0.00	0.384	0.000
E Win 5 2	1.0	18.64	5.83	3.20	22.08	0.11	0.00	0.00	0.384	0.000
E Win 6 2	1.0	18.64	5.83	3.20	15.33	0.11	0.00	0.00	0.384	0.000
E Win 7 2	1.0	18.64	5.83	3.20	18.71	0.11	0.00	0.00	0.384	0.000
S Win 0 27	1.0	29.29	10.41	2.81	15.15	0.53	0.00	0.00	0.384	0.000
S Win 1 16	1.0	29.29	10.41	2.81	22.15	0.53	0.00	0.00	0.384	0.000

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB AREA (SQFT)	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB U-VALUE (BTU/HR-SQFT-F)
S Win 2 14	1.0	29.29	10.41	2.81	36.14	0.53	0.00	0.00	0.384	0.000
S Win 3 7	1.0	29.16	10.41	2.80	8.16	0.53	0.00	0.00	0.384	0.000
S Win 4 6	1.0	29.16	10.41	2.80	29.15	0.53	0.00	0.00	0.384	0.000
N Win 0 25	1.0	41.20	7.12	5.79	5.95	2.68	0.00	0.00	0.384	0.000
N Win 1 16	1.0	19.67	7.16	2.75	1.78	2.67	0.00	0.00	0.384	0.000
W Win 0 8	1.0	41.20	7.12	5.79	0.95	2.68	0.00	0.00	0.384	0.000
W Win 1 6	1.0	19.67	7.16	2.75	8.18	2.67	0.00	0.00	0.384	0.000
W Win 0 9	1.0	41.20	7.12	5.79	8.36	2.68	0.00	0.00	0.384	0.000
W Win 1 7	1.0	19.67	7.16	2.75	4.17	2.67	0.00	0.00	0.384	0.000
N Win 0 22	1.0	41.20	7.12	5.79	7.61	2.65	0.00	0.00	0.384	0.000
N Win 1 14	1.0	41.20	7.12	5.79	14.55	2.68	0.00	0.00	0.384	0.000
N Win 2 12	1.0	19.67	7.16	2.75	3.65	2.65	0.00	0.00	0.384	0.000

N Win 0 21	1.0	41.20	7.12	5.79	7.63	2.65	0.00	0.00	0.384	0.000
N Win 1 13	1.0	41.20	7.12	5.79	14.60	2.68	0.00	0.00	0.384	0.000
N Win 2 11	1.0	19.67	7.16	2.75	3.67	2.65	0.00	0.00	0.384	0.000
N Win 0 20	1.0	41.20	7.12	5.79	7.61	2.65	0.00	0.00	0.384	0.000
N Win 1 12	1.0	41.20	7.12	5.79	14.59	2.68	0.00	0.00	0.384	0.000
N Win 2 10	1.0	19.67	7.16	2.75	3.65	2.65	0.00	0.00	0.384	0.000
S Win 0 22	1.0	41.20	7.12	5.79	17.27	2.67	0.00	0.00	0.384	0.000
S Win 1 13	1.0	41.20	7.12	5.79	10.27	2.67	0.00	0.00	0.384	0.000
S Win 2 11	1.0	19.67	7.16	2.75	24.24	2.65	0.00	0.00	0.384	0.000
S Win 0 21	1.0	41.20	7.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 1 12	1.0	41.20	7.12	5.79	14.59	2.67	0.00	0.00	0.384	0.000
S Win 2 10	1.0	19.67	7.16	2.75	21.56	2.65	0.00	0.00	0.384	0.000
E Win 0 5	1.0	33.95	9.72	3.49	42.97	0.58	0.00	0.00	0.384	0.000
E Win 1 5	1.0	20.35	5.83	3.49	5.48	0.72	0.00	0.00	0.384	0.000
Skylight Win 0	1.0	15.47	3.93	3.93	18.08	31.09	0.00	3.93	0.384	0.349
Skylight Win 1	1.0	15.47	3.93	3.93	18.08	17.32	0.00	3.93	0.384	0.349
Skylight Win 2	1.0	15.47	3.93	3.93	51.85	31.09	0.00	3.93	0.384	0.349
Skylight Win 3	1.0	15.47	3.93	3.93	34.87	31.09	0.00	3.93	0.384	0.349
Skylight Win 4	1.0	15.47	3.93	3.93	34.87	17.32	0.00	3.93	0.384	0.349
Skylight Win 5	1.0	15.47	3.93	3.93	51.85	17.32	0.00	3.93	0.384	0.349
N Win 0 18	1.0	33.52	5.17	6.48	7.55	0.65	0.00	0.00	0.384	0.000
N Win 1 11	1.0	33.11	5.17	6.40	0.99	0.65	0.00	0.00	0.384	0.000
N Win 2 9	1.0	27.93	5.17	5.40	19.76	0.65	0.00	0.00	0.384	0.000
N Win 3 6	1.0	27.86	5.17	5.39	14.20	0.65	0.00	0.00	0.384	0.000
N Win 4 5	1.0	27.45	5.17	5.31	25.32	0.65	0.00	0.00	0.384	0.000
W Win 0 7	1.0	34.08	9.72	3.51	2.79	0.93	0.00	0.00	0.384	0.000
N Win 0 19	1.0	41.20	7.12	5.79	8.04	2.68	0.00	0.00	0.384	0.000
N Win 0 24	1.0	41.20	7.12	5.79	5.93	2.67	0.00	0.00	0.384	0.000
N Win 1 15	1.0	19.67	7.16	2.75	1.99	2.65	0.00	0.00	0.384	0.000
S Win 0 24	1.0	41.20	7.12	5.79	0.60	1.99	0.00	0.00	0.384	0.000
N Win 0 23	1.0	41.20	7.12	5.79	0.60	2.68	0.00	0.00	0.384	0.000
S Win 0 25	1.0	41.20	7.12	5.79	18.08	1.99	0.00	0.00	0.384	0.000
S Win 1 15	1.0	41.20	7.12	5.79	3.68	1.99	0.00	0.00	0.384	0.000
S Win 2 13	1.0	19.67	7.16	2.75	10.65	1.96	0.00	0.00	0.384	0.000
S Win 0 26	1.0	52.88	8.97	5.89	2.63	0.16	0.00	0.00	0.384	0.000
S Win 0 20	1.0	45.05	9.65	4.67	0.57	0.16	0.00	0.00	0.384	0.000
E Win 0	1.0	35.41	6.12	5.79	29.17	2.67	0.00	0.00	0.384	0.000
E Win 1	1.0	35.41	6.12	5.79	7.07	2.67	0.00	0.00	0.384	0.000
E Win 2	1.0	35.41	6.12	5.79	14.07	2.67	0.00	0.00	0.384	0.000
E Win 3	1.0	16.92	6.16	2.75	3.13	2.64	0.00	0.00	0.384	0.000

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB AREA (SQFT)	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB U-VALUE (BTU/HR-SQFT-F)

E Win 4	1.0	16.92	6.16	2.75	36.40	2.64	0.00	0.00	0.384	0.000
N Win 0 3	1.0	35.41	6.12	5.79	29.25	2.67	0.00	0.00	0.384	0.000
N Win 1 3	1.0	35.41	6.12	5.79	5.27	2.67	0.00	0.00	0.384	0.000
N Win 2 3	1.0	35.41	6.12	5.79	41.25	2.67	0.00	0.00	0.384	0.000
N Win 3 3	1.0	35.41	6.12	5.79	12.29	2.65	0.00	0.00	0.384	0.000
N Win 0 4	1.0	35.41	6.12	5.79	0.61	2.67	0.00	0.00	0.384	0.000
S Win 0	1.0	35.41	6.12	5.79	10.68	2.64	0.00	0.00	0.384	0.000
S Win 1	1.0	35.41	6.12	5.79	0.67	2.67	0.00	0.00	0.384	0.000
S Win 2	1.0	16.92	6.16	2.75	24.63	2.64	0.00	0.00	0.384	0.000
S Win 0 10	1.0	35.41	6.12	5.79	0.60	2.67	0.00	0.00	0.384	0.000
N Win 0 7	1.0	35.41	6.12	5.79	49.60	2.65	0.00	0.00	0.384	0.000
N Win 1 4	1.0	35.41	6.12	5.79	21.61	2.65	0.00	0.00	0.384	0.000
N Win 2 4	1.0	35.41	6.12	5.79	28.61	2.65	0.00	0.00	0.384	0.000
N Win 3 4	1.0	35.41	6.12	5.79	56.58	2.65	0.00	0.00	0.384	0.000
N Win 4 3	1.0	35.41	6.12	5.79	77.41	2.65	0.00	0.00	0.384	0.000
N Win 5 2	1.0	35.41	6.12	5.79	0.63	2.65	0.00	0.00	0.384	0.000
N Win 6	1.0	16.92	6.16	2.75	45.64	2.65	0.00	0.00	0.384	0.000
N Win 7	1.0	16.92	6.16	2.75	17.65	2.65	0.00	0.00	0.384	0.000
N Win 8	1.0	16.92	6.16	2.75	73.20	2.65	0.00	0.00	0.384	0.000
S Win 0 5	1.0	35.41	6.12	5.79	0.59	2.67	0.00	0.00	0.384	0.000
S Win 1 3	1.0	35.41	6.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 2 3	1.0	16.92	6.16	2.75	14.57	2.64	0.00	0.00	0.384	0.000
W Win 0	1.0	35.41	6.12	5.79	4.10	2.68	0.00	0.00	0.384	0.000
W Win 1	1.0	16.92	6.16	2.75	11.07	2.65	0.00	0.00	0.384	0.000
S Win 0 8	1.0	35.41	6.12	5.79	9.27	2.67	0.00	0.00	0.384	0.000
S Win 1 5	1.0	16.92	6.16	2.75	5.33	2.64	0.00	0.00	0.384	0.000
N Win 0 9	1.0	35.41	6.12	5.79	4.02	2.67	0.00	0.00	0.384	0.000
N Win 1 6	1.0	35.41	6.12	5.79	11.13	2.65	0.00	0.00	0.384	0.000
S Win 0 4	1.0	35.41	6.12	5.79	3.68	2.67	0.00	0.00	0.384	0.000
S Win 0 3	1.0	35.41	6.12	5.79	7.77	2.67	0.00	0.00	0.384	0.000
S Win 1 2	1.0	35.41	6.12	5.79	0.49	2.67	0.00	0.00	0.384	0.000
S Win 2 2	1.0	16.92	6.16	2.75	17.77	2.64	0.00	0.00	0.384	0.000
S Win 0 9	1.0	16.92	6.16	2.75	0.37	2.64	0.00	0.00	0.384	0.000
N Win 0 5	1.0	35.41	6.12	5.79	0.81	2.67	0.00	0.00	0.384	0.000
N Win 0 6	1.0	35.41	6.12	5.79	5.80	2.67	0.00	0.00	0.384	0.000
N Win 0 8	1.0	35.41	6.12	5.79	0.61	2.65	0.00	0.00	0.384	0.000
N Win 1 5	1.0	16.92	6.16	2.75	7.57	2.65	0.00	0.00	0.384	0.000
W Win 0 2	1.0	35.41	6.12	5.79	7.36	2.68	0.00	0.00	0.384	0.000
W Win 1 2	1.0	35.41	6.12	5.79	14.29	2.65	0.00	0.00	0.384	0.000
W Win 2	1.0	16.92	6.16	2.75	3.09	2.65	0.00	0.00	0.384	0.000
S Win 0 7	1.0	35.41	6.12	5.79	49.56	2.67	0.00	0.00	0.384	0.000
S Win 1 4	1.0	35.41	6.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 2 4	1.0	35.41	6.12	5.79	14.57	2.67	0.00	0.00	0.384	0.000
S Win 3	1.0	35.41	6.12	5.79	28.57	2.67	0.00	0.00	0.384	0.000
S Win 4	1.0	35.41	6.12	5.79	42.56	2.67	0.00	0.00	0.384	0.000
N Win 0 10	1.0	35.41	6.12	5.79	0.77	2.67	0.00	0.00	0.384	0.000
S Win 0 2	1.0	35.41	6.12	5.79	3.30	2.67	0.00	0.00	0.384	0.000
S Win 0 6	1.0	31.05	6.65	4.67	0.57	2.15	0.00	0.00	0.384	0.000

REPORT- LV-H Details of Windows WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
N Win 0 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 3 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 4 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 4	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 0 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 1 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 2 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 3 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 4 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 5	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 6	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 7	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 8	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 9	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 19	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 11	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 9	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 6	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 14	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 17	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 10	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 8	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 16	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 9	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 15	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 8	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 3 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 4 4	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 0 3	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 1 3	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 2 3	0.00	0.45	1	0.570	0.418	0.878	1.000

W Win 0 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 12	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 13	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 12	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 11	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 16	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 14	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 6	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 5	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 2 3	0.00	0.45	1	0.570	0.418	0.878	1.000

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
W Win 3 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 4 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 5 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 6	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 7	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 3	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 3	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 2 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 3	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 4	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 13	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 7	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 11	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 15	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 8	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 6	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 3	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4 3	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 17	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 9	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 7	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 4	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 4	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 18	0.00	0.45	1	0.570	0.418	0.878	1.000

S Win 1 10	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 8	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 23	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 14	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 12	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 0 4	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 1 4	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 2 4	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 3 3	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 4 3	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 5 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 6 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 7 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 27	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 16	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 14	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3 7	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 25	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 16	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 8	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 6	0.00	0.45	1	0.570	0.418	0.878	1.000

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
W Win 0 9	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 22	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 14	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 12	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 21	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 13	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 11	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 20	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 12	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 10	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 22	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 13	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 11	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 21	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 12	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 10	0.00	0.45	1	0.570	0.418	0.878	1.000

E Win 0 5	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 1 5	0.00	0.45	1	0.570	0.418	0.878	1.000
Skylight Win 0	0.00	0.57	1	0.691	0.900	0.878	1.000
Skylight Win 1	0.00	0.57	1	0.691	0.900	0.878	1.000
Skylight Win 2	0.00	0.57	1	0.691	0.900	0.878	1.000
Skylight Win 3	0.00	0.57	1	0.691	0.900	0.878	1.000
Skylight Win 4	0.00	0.57	1	0.691	0.900	0.878	1.000
Skylight Win 5	0.00	0.57	1	0.691	0.900	0.878	1.000
N Win 0 18	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 11	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 9	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 3 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 4 5	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 19	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 24	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 15	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 24	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 23	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 25	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 15	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 13	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 26	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 20	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 0	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 1	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 2	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 3	0.00	0.45	1	0.570	0.418	0.878	1.000
E Win 4	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 3 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2	0.00	0.45	1	0.570	0.418	0.878	1.000
Unnamed							

DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- LV-H Details of Windows WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
S Win 0 10	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 4	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 2 4	0.00	0.45	1	0.570	0.418	0.878	1.000

N Win 3 4	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 4 3	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 5 2	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 7	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 8	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 5	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 3	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 3	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 8	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 9	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 6	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 3	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 9	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 5	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 6	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 8	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 1 5	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 0 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 1 2	0.00	0.45	1	0.570	0.418	0.878	1.000
W Win 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 7	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 1 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 2 4	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 3	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 4	0.00	0.45	1	0.570	0.418	0.878	1.000
N Win 0 10	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 2	0.00	0.45	1	0.570	0.418	0.878	1.000
S Win 0 6	0.00	0.45	1	0.570	0.418	0.878	1.000

REPORT- PS-F

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-F Energy End-Use Summary for Fan EM WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													

KWH	0.	0.	0.	0.	0.	0.	0.	233.	0.	0.	0.	0.	233.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/ 8	0/ 0	0/ 0	0/ 0	0/ 0	4/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	0.	0.	0.	0.	0.	223.	0.	0.	0.	0.	223.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	0.	0.	0.	0.	0.	262.	0.	0.	0.	0.	262.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	0.	0.	0.	0.	0.	251.	0.	0.	0.	0.	251.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	0.	0.	0.	0.	0.	240.	0.	0.	0.	0.	240.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	3/ 8	0/ 0	0/ 0	0/ 0	0/ 0	3/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	0.	0.	0.	0.	0.	251.	0.	0.	0.	0.	251.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	0.	0.	0.	0.	0.	247.	0.	0.	0.	0.	247.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
AUG													
KWH	0.	0.	0.	0.	0.	0.	0.	254.	0.	0.	0.	0.	254.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644

DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 8	0/ 0	0/ 0	0/ 0	0/ 0	2/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-F Energy End-Use Summary for Fan EM WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

SEP													
KWH	0.	0.	0.	0.	0.	0.	0.	244.	0.	0.	0.	0.	244.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	0.	0.	0.	0.	0.	240.	0.	0.	0.	0.	240.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	0.	0.	0.	0.	0.	237.	0.	0.	0.	0.	237.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	0.	0.	0.	0.	0.	247.	0.	0.	0.	0.	247.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
KWH	0.	0.	0.	0.	0.	0.	0.	2930.	0.	0.	0.	0.	2930.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
MON/DY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-F Energy End-Use Summary for ELEV EM WEATHER FILE- EPW Seattle-King Cou

	TASK	MISC	SPACE	SPACE	HEAT	PUMPS	VENT	REFRIG	HT PUMP	DOMEST	EXT

	LIGHTS	LIGHTS	EQUIP	HEATING	COOLING	REJECT	& AUX	FANS	DISPLAY	SUPPLEM	HOT WTR	USAGE	TOTAL
JAN													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	147.	0.	0.	0.	0.	0.	0.	0.	0.	0.	147.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

AUG													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-F Energy End-Use Summary for ELEV EM WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

SEP													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	0.	0.	1912.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1912.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
MON/DY	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

BEE ENGINEERS

REPORT- PS-F Energy End-Use Summary for EM1 WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	14371.	0.	13078.	0.	90.	0.	495.	17704.	0.	0.	0.	533.	46271.
MAX KW	40.876	0.000	33.627	0.000	0.269	0.000	0.665	24.587	0.000	0.000	0.000	1.341	100.374
DAY/HR	4/11	0/ 0	4/12	0/ 0	29/18	0/ 0	1/ 1	19/14	0/ 0	0/ 0	0/ 0	1/ 1	27/17
PEAK ENDUSE	40.876	0.000	33.617	0.000	0.253	0.000	0.665	24.143	0.000	0.000	0.000	0.820	
PEAK PCT	40.7	0.0	33.5	0.0	0.3	0.0	0.7	24.1	0.0	0.0	0.0	0.8	
FEB													
KWH	13777.	0.	12166.	0.	106.	0.	447.	16062.	0.	0.	0.	394.	42953.
MAX KW	40.876	0.000	33.627	0.000	13.378	0.000	0.665	26.870	0.000	0.000	0.000	1.341	102.362
DAY/HR	1/11	0/ 0	1/12	0/ 0	15/16	0/ 0	1/ 1	23/15	0/ 0	0/ 0	0/ 0	1/ 1	23/15
PEAK ENDUSE	40.876	0.000	33.607	0.000	0.269	0.000	0.665	26.870	0.000	0.000	0.000	0.075	
PEAK PCT	39.9	0.0	32.8	0.0	0.3	0.0	0.6	26.3	0.0	0.0	0.0	0.1	
MAR													
KWH	16106.	0.	13847.	0.	939.	0.	494.	17794.	0.	0.	0.	436.	49616.
MAX KW	40.876	0.000	33.627	0.000	53.333	0.000	0.665	27.029	0.000	0.000	0.000	1.341	155.382
DAY/HR	1/11	0/ 0	1/12	0/ 0	29/16	0/ 0	1/ 1	8/15	0/ 0	0/ 0	0/ 0	1/ 1	29/16
PEAK ENDUSE	40.876	0.000	33.607	0.000	53.333	0.000	0.665	26.827	0.000	0.000	0.000	0.075	
PEAK PCT	26.3	0.0	21.6	0.0	34.3	0.0	0.4	17.3	0.0	0.0	0.0	0.0	
APR													
KWH	15475.	0.	13351.	0.	2075.	0.	472.	17236.	0.	0.	0.	422.	49031.
MAX KW	40.876	0.000	33.627	0.000	33.764	0.000	0.665	27.656	0.000	0.000	0.000	1.341	136.642
DAY/HR	1/11	0/ 0	1/12	0/ 0	20/16	0/ 0	1/ 2	20/16	0/ 0	0/ 0	0/ 0	1/20	20/16
PEAK ENDUSE	40.876	0.000	33.607	0.000	33.764	0.000	0.665	27.656	0.000	0.000	0.000	0.075	
PEAK PCT	29.9	0.0	24.6	0.0	24.7	0.0	0.5	20.2	0.0	0.0	0.0	0.1	
MAY													
KWH	14806.	0.	13271.	0.	4979.	0.	460.	17782.	0.	0.	0.	291.	51590.
MAX KW	40.876	0.000	33.627	0.000	46.480	0.000	0.665	26.825	0.000	0.000	0.000	1.341	148.527
DAY/HR	3/11	0/ 0	3/12	0/ 0	14/16	0/ 0	1/ 2	14/16	0/ 0	0/ 0	0/ 0	1/23	14/16
PEAK ENDUSE	40.876	0.000	33.607	0.000	46.480	0.000	0.665	26.825	0.000	0.000	0.000	0.075	
PEAK PCT	27.5	0.0	22.6	0.0	31.3	0.0	0.4	18.1	0.0	0.0	0.0	0.1	
JUN													
KWH	15475.	0.	13351.	0.	9745.	0.	404.	17246.	0.	0.	0.	282.	56503.
MAX KW	40.876	0.000	33.627	0.000	63.885	0.000	0.665	26.837	0.000	0.000	0.000	1.341	165.585
DAY/HR	1/11	0/ 0	1/12	0/ 0	30/15	0/ 0	1/ 2	30/16	0/ 0	0/ 0	0/ 0	1/23	30/15
PEAK ENDUSE	40.876	0.000	33.607	0.000	63.885	0.000	0.665	26.478	0.000	0.000	0.000	0.075	
PEAK PCT	24.7	0.0	20.3	0.0	38.6	0.0	0.4	16.0	0.0	0.0	0.0	0.0	
JUL													
KWH	15242.	0.	13464.	0.	20686.	0.	379.	17898.	0.	0.	0.	291.	67960.

MAX KW	40.876	0.000	33.627	0.000	87.114	0.000	0.665	27.854	0.000	0.000	0.000	1.341	188.958
DAY/HR	1/11	0/ 0	1/12	0/ 0	23/18	0/ 0	1/ 6	23/16	0/ 0	0/ 0	0/ 0	1/23	23/16
PEAK ENDUSE	40.876	0.000	33.607	0.000	85.881	0.000	0.665	27.854	0.000	0.000	0.000	0.075	
PEAK PCT	21.6	0.0	17.8	0.0	45.5	0.0	0.4	14.7	0.0	0.0	0.0	0.0	
AUG													
KWH	15671.	0.	13654.	0.	20908.	0.	378.	17960.	0.	0.	0.	464.	69035.
MAX KW	40.876	0.000	33.627	0.000	87.915	0.000	0.665	28.153	0.000	0.000	0.000	1.341	190.942
DAY/HR	2/11	0/ 0	2/12	0/ 0	10/15	0/ 0	1/ 4	10/16	0/ 0	0/ 0	0/ 0	1/19	10/15
PEAK ENDUSE	40.876	0.000	33.607	0.000	87.915	0.000	0.665	27.804	0.000	0.000	0.000	0.075	
PEAK PCT	21.4	0.0	17.6	0.0	46.0	0.0	0.3	14.6	0.0	0.0	0.0	0.0	

SEP													
KWH	15040.	0.	13158.	0.	11047.	0.	395.	17436.	0.	0.	0.	449.	57525.
MAX KW	40.876	0.000	33.627	0.000	73.956	0.000	0.665	27.961	0.000	0.000	0.000	1.341	176.893
DAY/HR	1/11	0/ 0	1/12	0/ 0	21/16	0/ 0	1/ 5	22/16	0/ 0	0/ 0	0/ 0	1/19	21/16
PEAK ENDUSE	40.876	0.000	33.607	0.000	73.956	0.000	0.665	27.715	0.000	0.000	0.000	0.075	
PEAK PCT	23.1	0.0	19.0	0.0	41.8	0.0	0.4	15.7	0.0	0.0	0.0	0.0	
OCT													
KWH	14806.	0.	13271.	0.	1934.	0.	479.	17783.	0.	0.	0.	464.	48738.
MAX KW	40.876	0.000	33.627	0.000	53.838	0.000	0.665	27.562	0.000	0.000	0.000	1.341	155.606
DAY/HR	1/11	0/ 0	1/12	0/ 0	6/15	0/ 0	1/ 2	7/16	0/ 0	0/ 0	0/ 0	1/19	6/15
PEAK ENDUSE	40.876	0.000	33.607	0.000	53.838	0.000	0.665	26.546	0.000	0.000	0.000	0.075	
PEAK PCT	26.3	0.0	21.6	0.0	34.6	0.0	0.4	17.1	0.0	0.0	0.0	0.0	
NOV													
KWH	14604.	0.	12964.	0.	233.	0.	478.	17149.	0.	0.	0.	516.	45945.
MAX KW	40.876	0.000	33.627	0.000	23.719	0.000	0.665	25.158	0.000	0.000	0.000	1.341	100.669
DAY/HR	1/11	0/ 0	1/12	0/ 0	6/16	0/ 0	1/ 2	1/15	0/ 0	0/ 0	0/ 0	1/18	4/17
PEAK ENDUSE	40.876	0.000	33.617	0.000	0.264	0.000	0.665	24.428	0.000	0.000	0.000	0.820	
PEAK PCT	40.6	0.0	33.4	0.0	0.3	0.0	0.7	24.3	0.0	0.0	0.0	0.8	
DEC													
KWH	15235.	0.	13461.	0.	103.	0.	495.	17723.	0.	0.	0.	533.	47550.
MAX KW	40.876	0.000	33.627	0.000	0.265	0.000	0.665	25.643	0.000	0.000	0.000	1.341	101.129
DAY/HR	1/11	0/ 0	1/12	0/ 0	23/15	0/ 0	1/ 1	21/15	0/ 0	0/ 0	0/ 0	1/ 1	21/15
PEAK ENDUSE	40.876	0.000	33.607	0.000	0.263	0.000	0.665	25.643	0.000	0.000	0.000	0.075	
PEAK PCT	40.4	0.0	33.2	0.0	0.3	0.0	0.7	25.4	0.0	0.0	0.0	0.1	
KWH	180608.	0.	159035.	0.	72847.	0.	5377.	209774.	0.	0.	0.	5078.	632718.
MAX KW	40.876	0.000	33.627	0.000	87.915	0.000	0.665	28.153	0.000	0.000	0.000	1.341	190.942
MON/DY	1/ 4	0/ 0	1/ 4	0/ 0	8/10	0/ 0	1/ 1	8/10	0/ 0	0/ 0	0/ 0	1/ 1	8/10
PEAK ENDUSE	40.876	0.000	33.607	0.000	87.915	0.000	0.665	27.804	0.000	0.000	0.000	0.075	
PEAK PCT	21.4	0.0	17.6	0.0	46.0	0.0	0.3	14.6	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-F Energy End-Use Summary for FM1 WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
THERM	0.	0.	0.	3421.	0.	0.	0.	0.	0.	0.	24.	0.	3445.
MAX THERM/HR	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	17.4
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/13	0/ 0	4/ 8
PEAK ENDUSE	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
FEB													
THERM	0.	0.	0.	2573.	0.	0.	0.	0.	0.	0.	23.	0.	2596.
MAX THERM/HR	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	14.4
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	4/ 8
PEAK ENDUSE	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
MAR													
THERM	0.	0.	0.	2424.	0.	0.	0.	0.	0.	0.	27.	0.	2451.
MAX THERM/HR	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	13.7
DAY/HR	0/ 0	0/ 0	0/ 0	19/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	19/ 8
PEAK ENDUSE	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
APR													
THERM	0.	0.	0.	1857.	0.	0.	0.	0.	0.	0.	26.	0.	1883.
MAX THERM/HR	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	13.8
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	5/ 8
PEAK ENDUSE	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
MAY													
THERM	0.	0.	0.	1514.	0.	0.	0.	0.	0.	0.	25.	0.	1539.
MAX THERM/HR	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	12.9
DAY/HR	0/ 0	0/ 0	0/ 0	10/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	3/13	0/ 0	10/ 8
PEAK ENDUSE	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
JUN													
THERM	0.	0.	0.	1184.	0.	0.	0.	0.	0.	0.	26.	0.	1210.
MAX THERM/HR	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	10.0
DAY/HR	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	1/ 8
PEAK ENDUSE	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
JUL													
THERM	0.	0.	0.	986.	0.	0.	0.	0.	0.	0.	25.	0.	1012.
MAX THERM/HR	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	7.5
DAY/HR	0/ 0	0/ 0	0/ 0	26/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	26/ 8
PEAK ENDUSE	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
AUG													
THERM	0.	0.	0.	1023.	0.	0.	0.	0.	0.	0.	26.	0.	1049.
MAX THERM/HR	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	9.0
DAY/HR	0/ 0	0/ 0	0/ 0	23/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/13	0/ 0	23/ 8
PEAK ENDUSE	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	

SEP													
THERM	0.	0.	0.	1138.	0.	0.	0.	0.	0.	0.	25.	0.	1163.
MAX THERM/HR	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	11.4
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	27/ 8
PEAK ENDUSE	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
OCT													
THERM	0.	0.	0.	1706.	0.	0.	0.	0.	0.	0.	25.	0.	1731.
MAX THERM/HR	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	11.8
DAY/HR	0/ 0	0/ 0	0/ 0	22/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	22/ 8
PEAK ENDUSE	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
NOV													
THERM	0.	0.	0.	2402.	0.	0.	0.	0.	0.	0.	24.	0.	2427.
MAX THERM/HR	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	13.9
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	5/ 8
PEAK ENDUSE	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
DEC													
THERM	0.	0.	0.	3190.	0.	0.	0.	0.	0.	0.	26.	0.	3216.
MAX THERM/HR	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	14.6
DAY/HR	0/ 0	0/ 0	0/ 0	13/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/13	0/ 0	13/ 8
PEAK ENDUSE	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
THERM	0.	0.	0.	23419.	0.	0.	0.	0.	0.	0.	302.	0.	23721.
MAX THERM/HR	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	17.4

MON/DY	0/ 0	0/ 0	0/ 0	1/ 4	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4	0/ 0	1/ 4
PEAK ENDUSE	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	

REPORT- PS-C

Unnamed DOE-2.2-48y 6/03/2025 15:12:31 BDL RUN 6

REPORT- PS-C Equipment Loads and Energy Use WEATHER FILE- EPW Seattle-King Cou

MON		COOL LOAD (MBTU) (KBTU/HR)	HEAT LOAD (MBTU) (KBTU/HR)	ELEC USE (KWH) (KW)	FUEL USE (MBTU) (KBTU/HR)		Number of hours within each PART LOAD range 00-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100+	TOTAL RUN HOURS
Boiler 1																		
	SUM		-1350.3	0.0	2064.2	LOAD	3130	1962	1248	619	245	120	63	52	15	0	3	7457
	PEAK		-1195.0	0.0	1471.2	ELEC	0	0	0	0	0	0	0	0	0	0	0	0
	MON/DAY		1/ 4	0/ 0	1/ 4	FUEL	2212	2249	1458	820	379	170	82	60	24	0	3	7457
Boiler 2																		
	SUM		-85.3	0.0	138.0	LOAD	330	177	76	22	13	5	4	0	0	0	0	627
	PEAK		-711.9	0.0	942.3	ELEC	0	0	0	0	0	0	0	0	0	0	0	0
	MON/DAY		4/19	0/ 0	4/19	FUEL	225	226	111	33	19	7	6	0	0	0	0	627
DWH Heater																		
	SUM		-18.8	0.0	30.2	LOAD	4510	1250	750	250	250	0	0	1000	250	250	250	8760
	PEAK		-8.6	0.0	10.7	ELEC	0	0	0	0	0	0	0	0	0	0	0	0
	MON/DAY		1/ 4	0/ 0	1/ 4	FUEL	0	5499	511	750	250	0	0	250	750	750	0	8760
DEFAULT-HW-PUMP																		
	SUM			4960.3		FLOW	0	0	0	0	0	0	0	0	0	0	7457	7457
	PEAK			0.7		RPM	0	0	0	0	0	0	0	0	0	0	7457	7457
	MON/DAY			1/ 1		ELEC	0	0	0	0	0	0	0	0	0	0	7457	7457
Pump 2																		
	SUM			417.1		FLOW	0	0	0	0	0	0	0	0	0	0	627	627
	PEAK			0.7		RPM	0	0	0	0	0	0	0	0	0	0	627	627
	MON/DAY			4/13		ELEC	0	0	0	0	0	0	0	0	0	0	627	627

Proposed Design Input Reports

REPORT- LV-A

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Unnamed                                                                                    DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-A General Project Parameters                                                    WEATHER FILE- EPW Seattle-King Cou
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PERIOD OF STUDY

    STARTING DATE    ENDING DATE    NUMBER OF DAYS

       1 JAN 2021    31 DEC 2021               365

SITE CHARACTERISTIC DATA

                                                                                  BUILDING
    STATION           LATITUDE  LONGITUDE   ALTITUDE      TIME      AZIMUTH
    NAME                 (DEG)      (DEG)       (FT)      ZONE        (DEG)

EPW Seattle-King Cou      47.5      122.3       150.    8  PST          0.0
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REPORT- LV-B

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Unnamed                                                                                    DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-B Summary of Spaces                                                             WEATHER FILE- EPW Seattle-King Cou
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NUMBER OF SPACES  143          EXTERIOR   89     INTERIOR   54

                                                          LIGHTS          EQUIP
                            SPACE*FLOOR SPACE          (WATT /         (WATT / INFILTRATION              AREA       VOLUME
SPACE                        MULTIPLIER  TYPE   AZIM   SQFT ) PEOPLE   SQFT )       METHOD   ACH     (SQFT )      (CUFT )
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Spaces on floor: Level B01

ART 003	1.0	EXT	0.0	0.71	22.2	0.59	AIR-CHANGE	0.17	887.3	10647.2
Circulation 001	1.0	INT	0.0	0.41	26.5	1.39	AIR-CHANGE	0.17	1059.8	12717.1
Conference 006	1.0	INT	0.0	0.97	12.2	0.73	AIR-CHANGE	0.17	487.2	5846.5
Electrical 002B	1.0	EXT	0.0	0.43	2.7	1.39	AIR-CHANGE	0.17	273.7	3284.9
Elevator1 000	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.17	77.8	933.3
Faculty 004	1.0	EXT	0.0	0.97	17.7	0.73	AIR-CHANGE	0.17	706.4	8476.3
MDF 001F	1.0	INT	0.0	0.43	2.4	1.39	AIR-CHANGE	0.17	240.3	2883.0
MP Storage 008	1.0	INT	0.0	0.38	2.5	0.31	AIR-CHANGE	0.17	245.8	2949.8
Machine Room 008A	1.0	INT	0.0	0.43	0.6	1.39	AIR-CHANGE	0.17	60.1	721.5
PlumbingStorage 007	1.0	INT	0.0	0.38	8.5	0.31	AIR-CHANGE	0.17	854.3	10251.3
Restroom 001B	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	20.7	248.1
Restroom 001C	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	19.7	236.2
Restroom 001D	1.0	INT	0.0	0.63	1.9	1.39	AIR-CHANGE	0.17	74.5	893.5
Restroom 001E	1.0	INT	0.0	0.63	0.4	1.39	AIR-CHANGE	0.17	18.0	215.7
Shaft1 000	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.17	25.3	303.6
Sprinkler 008B	1.0	INT	0.0	0.43	1.5	1.39	AIR-CHANGE	0.17	145.2	1742.4
Stair SW 000	1.0	INT	0.0	0.49	4.0	1.39	AIR-CHANGE	0.17	161.3	1935.5
StemScience 002	1.0	EXT	0.0	0.71	36.8	0.59	AIR-CHANGE	0.17	1471.4	17657.2
Storage 002A	1.0	INT	0.0	0.38	1.4	0.31	AIR-CHANGE	0.17	142.7	1711.8
Storage 003A	1.0	EXT	0.0	0.38	0.5	0.31	AIR-CHANGE	0.17	46.1	553.3
Storage 006A	1.0	INT	0.0	0.38	2.8	0.31	AIR-CHANGE	0.17	279.6	3354.7
TLT 009	1.0	INT	0.0	0.63	1.5	1.39	AIR-CHANGE	0.17	60.7	728.1
WD 001	1.0	INT	0.0	0.41	0.5	1.39	AIR-CHANGE	0.17	21.6	259.5
Workroom 005	1.0	INT	0.0	0.66	1.6	0.75	AIR-CHANGE	0.17	324.3	3892.0

Spaces on floor: Level 1

Admin 114	1.0	INT	0.0	0.66	1.9	0.75	AIR-CHANGE	0.17	370.2	4442.7
CIRC 111	1.0	INT	0.0	0.41	31.3	1.39	AIR-CHANGE	0.17	1250.4	15004.9
Chapel 103A	1.0	EXT	0.0	0.31	62.5	0.29	AIR-CHANGE	0.17	1798.4	21581.2
Classroom 113	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.9	9622.3
Classroom 115	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.9	9622.3
Classroom 116	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.5	9617.7
Electrical 111D	1.0	INT	0.0	0.43	0.1	1.39	AIR-CHANGE	0.17	6.4	76.8
Elevator1 100	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.17	77.8	933.3
FC Storage 103D	1.0	INT	0.0	0.38	0.5	0.31	AIR-CHANGE	0.17	54.8	657.2
Faculty2 104	1.0	EXT	0.0	0.97	4.6	0.73	AIR-CHANGE	0.17	182.3	2188.2
GYMMulty 103B	1.0	EXT	0.0	0.45	36.8	0.34	AIR-CHANGE	0.17	3681.3	44175.6
Kitchen 102	1.0	INT	0.0	1.09	6.5	1.32	AIR-CHANGE	0.17	261.3	3135.2
LRC-1 119	1.0	EXT	0.0	0.71	8.1	0.59	AIR-CHANGE	0.17	323.8	3885.9
MP Lobby 101	1.0	INT	0.0	0.84	19.2	1.39	AIR-CHANGE	0.17	766.7	9200.7
Mens TLTS 105	1.0	EXT	0.0	0.63	5.0	1.39	AIR-CHANGE	0.17	201.7	2420.8
OFF 114A	1.0	EXT	0.0	0.74	0.5	0.75	AIR-CHANGE	0.17	105.6	1267.0
OFF 114B	1.0	EXT	0.0	0.74	0.5	0.75	AIR-CHANGE	0.17	106.7	1280.5

(CONTINUED)

OFF 114C	1.0	EXT	0.0	0.74	0.6	0.75	AIR-CHANGE	0.17	124.1	1489.5

OFF 114D	1.0	INT	0.0	0.74	0.5	0.75	AIR-CHANGE	0.17	94.8	1138.0
Off 112	1.0	EXT	0.0	0.74	0.9	0.75	AIR-CHANGE	0.17	178.0	2136.5
Office 107	1.0	EXT	0.0	0.74	1.0	0.75	AIR-CHANGE	0.17	198.1	2376.9
Preschol 117	1.0	EXT	0.0	0.71	22.9	0.59	AIR-CHANGE	0.17	914.1	10968.7
Preschol 118	1.0	EXT	0.0	0.71	23.6	0.59	AIR-CHANGE	0.17	942.6	11310.6
Restroom 111A	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	20.7	248.1
Restroom 111B	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	19.7	236.2
Restroom 111C	1.0	INT	0.0	0.63	1.9	1.39	AIR-CHANGE	0.17	74.5	893.5
Shaft 1 100	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.17	25.3	303.6
Shaft 103E	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.17	14.8	177.3
Shaft 2 100	1.0	INT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.17	13.0	155.5
Shaft 3 100	1.0	EXT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.17	25.6	307.4
Shaft 5 100	1.0	EXT	0.0	0.00	0.2	0.00	AIR-CHANGE	0.17	15.2	182.2
Stair SE-1 100	1.0	EXT	0.0	0.49	6.0	1.39	AIR-CHANGE	0.17	239.1	2869.3
Stair SW-1 100	1.0	EXT	0.0	0.49	9.7	1.39	AIR-CHANGE	0.17	387.3	4647.6
Storage 101A	1.0	INT	0.0	0.38	0.2	0.31	AIR-CHANGE	0.17	16.1	193.3
Storage 103C	1.0	EXT	0.0	0.38	0.9	0.31	AIR-CHANGE	0.17	87.0	1043.7
Storage 103E	1.0	EXT	0.0	0.38	0.4	0.31	AIR-CHANGE	0.17	41.1	493.0
Storage 103F	1.0	EXT	0.0	0.38	1.9	0.31	AIR-CHANGE	0.17	188.0	2255.5
Storage 103G	1.0	EXT	0.0	0.38	1.5	0.31	AIR-CHANGE	0.17	148.1	1776.9
Storage4 100	1.0	INT	0.0	0.38	0.3	0.31	AIR-CHANGE	0.17	29.2	349.9
TLT 117A	1.0	INT	0.0	0.63	0.9	1.39	AIR-CHANGE	0.17	34.8	417.7
TLT 117B	1.0	INT	0.0	0.63	1.2	1.39	AIR-CHANGE	0.17	47.4	568.4
TLT 118A	1.0	INT	0.0	0.63	0.8	1.39	AIR-CHANGE	0.17	32.4	389.4
TLT 118B	1.0	INT	0.0	0.63	1.2	1.39	AIR-CHANGE	0.17	47.8	573.2
Vestibule 106	1.0	EXT	0.0	0.41	3.5	1.39	AIR-CHANGE	0.17	141.4	1696.7
Vestibule 110	1.0	EXT	0.0	0.41	4.2	1.39	AIR-CHANGE	0.17	166.8	2001.2
Vestibule3 100	1.0	EXT	0.0	0.41	3.3	1.39	AIR-CHANGE	0.17	132.3	1587.7
Womens TLTS 104	1.0	EXT	0.0	0.63	6.7	1.39	AIR-CHANGE	0.17	268.0	3216.0
Spaces on floor: Level 2										
Break Room 211A	1.0	EXT	0.0	0.59	9.3	1.39	AIR-CHANGE	0.17	373.6	4483.0
Chapel 203A	1.0	EXT	0.0	0.31	62.5	0.29	AIR-CHANGE	0.17	1748.7	20983.8
Circulation 200	1.0	EXT	0.0	0.41	44.7	1.39	AIR-CHANGE	0.17	1787.1	21445.7
Classroom 202	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.5	9617.7
Classroom 203	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.9	9622.3
Classroom 204	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.5	9617.7
Classroom 206	1.0	EXT	0.0	0.71	22.0	0.59	AIR-CHANGE	0.17	879.0	10548.5
Classroom 207	1.0	EXT	0.0	0.71	20.0	0.59	AIR-CHANGE	0.17	801.8	9622.0
Conference Room 212A	1.0	EXT	0.0	0.97	6.5	0.73	AIR-CHANGE	0.17	258.2	3098.3
Conference Room 213A	1.0	EXT	0.0	0.97	12.8	0.73	AIR-CHANGE	0.17	510.5	6125.7
Elevator1 200	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.17	77.8	933.3
GYMMulty 203B	1.0	EXT	0.0	0.45	38.8	0.34	AIR-CHANGE	0.17	3876.1	46512.7
LRC-2 205	1.0	EXT	0.0	0.71	5.2	0.59	AIR-CHANGE	0.17	207.9	2495.2
Lobby 1 200	1.0	INT	0.0	0.84	4.6	1.39	AIR-CHANGE	0.17	184.0	2207.5
Mech Mezz 213D	1.0	EXT	0.0	0.43	3.7	1.39	AIR-CHANGE	0.17	365.3	4383.3
Office 212B	1.0	EXT	0.0	0.74	0.7	0.75	AIR-CHANGE	0.17	142.5	1710.5
Office 213C	1.0	EXT	0.0	0.74	0.6	0.75	AIR-CHANGE	0.17	123.6	1482.7
Rental 212	1.0	EXT	0.0	0.66	2.0	0.75	AIR-CHANGE	0.17	401.1	4813.4
Rental 213	1.0	EXT	0.0	0.66	3.4	0.75	AIR-CHANGE	0.17	682.7	8192.4

Restroom 200B	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	20.7	248.1
Restroom 200C	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	19.7	236.2
Restroom 200D	1.0	INT	0.0	0.63	0.5	1.39	AIR-CHANGE	0.17	19.7	236.1
Restroom 200E	1.0	INT	0.0	0.63	1.8	1.39	AIR-CHANGE	0.17	71.7	860.2
Restroom 200G	1.0	INT	0.0	0.63	0.4	1.39	AIR-CHANGE	0.17	14.1	169.6

(CONTINUED)

Restroom 201	1.0	INT	0.0	0.63	1.8	1.39	AIR-CHANGE	0.17	71.0	851.7
Restroom 211A	1.0	INT	0.0	0.63	0.4	1.39	AIR-CHANGE	0.17	14.3	171.5
Restroom 211C	1.0	INT	0.0	0.63	0.7	1.39	AIR-CHANGE	0.17	26.4	316.3
Restroom 211D	1.0	INT	0.0	0.63	1.5	1.39	AIR-CHANGE	0.17	61.3	735.8
Shaft 1 200	1.0	INT	0.0	0.00	0.3	0.00	AIR-CHANGE	0.17	30.8	369.8
Shaft 2 200	1.0	INT	0.0	0.00	0.0	0.00	AIR-CHANGE	0.17	3.5	42.0
Shaft 203E	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.17	12.0	143.7
Shaft 3 200	1.0	INT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.17	5.9	71.4
Shared IDF 200F	1.0	EXT	0.0	0.38	2.0	0.31	AIR-CHANGE	0.17	202.3	2427.3
Stair SE-2 200	1.0	EXT	0.0	0.49	4.8	1.39	AIR-CHANGE	0.17	193.4	2320.4
Stair SW-2 200	1.0	EXT	0.0	0.49	10.0	1.39	AIR-CHANGE	0.17	401.3	4815.6
Storage 203E	1.0	EXT	0.0	0.38	0.4	0.31	AIR-CHANGE	0.17	37.1	445.0
Storage 203G	1.0	EXT	0.0	0.38	1.5	0.31	AIR-CHANGE	0.17	148.1	1776.9
Storage 3 200	1.0	EXT	0.0	0.38	0.1	0.31	AIR-CHANGE	0.17	8.9	107.3
Storage4 200	1.0	EXT	0.0	0.38	0.3	0.31	AIR-CHANGE	0.17	29.2	349.9
Work Room 213B	1.0	INT	0.0	0.74	0.5	0.75	AIR-CHANGE	0.17	103.2	1238.6

Spaces on floor: Level 3

ARTStmOpn Offc 301D	1.0	EXT	0.0	0.71	57.9	0.59	AIR-CHANGE	0.17	2314.1	25455.1
COO 303C	1.0	EXT	0.0	0.74	0.6	0.75	AIR-CHANGE	0.17	120.0	1320.2
Camp Schchter 303	1.0	EXT	0.0	0.59	9.1	1.39	AIR-CHANGE	0.17	363.6	4000.1
Circulation 300	1.0	EXT	0.0	0.41	34.5	1.39	AIR-CHANGE	0.17	1378.9	15168.4
Conference Room 303A	1.0	EXT	0.0	0.97	10.6	0.73	AIR-CHANGE	0.17	424.6	4670.8
DevComm 303D	1.0	EXT	0.0	0.71	7.1	0.59	AIR-CHANGE	0.17	284.5	3129.9
Elevator1 300	1.0	INT	0.0	0.00	0.8	0.00	AIR-CHANGE	0.17	78.5	865.1
Exec Office 300F	1.0	EXT	0.0	0.74	1.0	0.75	AIR-CHANGE	0.17	204.3	2247.0
GameTrch Room 301G	1.0	EXT	0.0	0.97	10.5	0.73	AIR-CHANGE	0.17	421.5	4636.8
JC 300E	1.0	EXT	0.0	0.38	0.4	0.31	AIR-CHANGE	0.17	39.7	436.4
Music Room 301F	1.0	EXT	0.0	0.71	10.7	0.59	AIR-CHANGE	0.17	427.3	4700.3
OffPhone 303B	1.0	EXT	0.0	0.74	0.6	0.75	AIR-CHANGE	0.17	125.0	1375.5
Office 301A	1.0	EXT	0.0	0.74	0.6	0.75	AIR-CHANGE	0.17	124.9	1373.8
Office 301B	1.0	EXT	0.0	0.74	0.7	0.75	AIR-CHANGE	0.17	139.9	1538.4
Office 302A	1.0	EXT	0.0	0.74	0.4	0.75	AIR-CHANGE	0.17	87.3	960.7
Office 302B	1.0	EXT	0.0	0.74	0.4	0.75	AIR-CHANGE	0.17	86.8	954.7
Office 302C	1.0	EXT	0.0	0.74	0.4	0.75	AIR-CHANGE	0.17	86.8	955.2
Program Office 303E	1.0	EXT	0.0	0.66	1.8	0.75	AIR-CHANGE	0.17	363.0	3992.7
Rental 302	1.0	EXT	0.0	0.66	3.4	0.75	AIR-CHANGE	0.17	685.4	7539.2
Rental Office 300F	1.0	EXT	0.0	0.74	0.7	0.75	AIR-CHANGE	0.17	143.3	1575.8
Restroom 300A	1.0	EXT	0.0	0.63	1.0	1.39	AIR-CHANGE	0.17	38.2	420.3
Restroom 300B	1.0	EXT	0.0	0.63	1.4	1.39	AIR-CHANGE	0.17	56.9	625.5
Restroom 300C	1.0	EXT	0.0	0.63	1.4	1.39	AIR-CHANGE	0.17	57.5	632.8

Restroom 300G	1.0	EXT	0.0	0.63	0.8	1.39	AIR-CHANGE	0.17	33.6	369.6
Shaft 1 300	1.0	EXT	0.0	0.00	0.1	0.00	AIR-CHANGE	0.17	7.1	78.4
Shaft 2 300	1.0	EXT	0.0	0.00	0.2	0.00	AIR-CHANGE	0.17	22.8	250.3
Snoezelen Room 301E	1.0	EXT	0.0	0.71	4.8	0.59	AIR-CHANGE	0.17	193.4	2127.2
Stair SE-3 200	1.0	EXT	0.0	0.49	4.6	1.39	AIR-CHANGE	0.17	184.7	2031.2
Stair SW-3 200	1.0	EXT	0.0	0.49	9.6	1.39	AIR-CHANGE	0.17	383.1	4213.7
Storage 2 300	1.0	EXT	0.0	0.38	0.1	0.31	AIR-CHANGE	0.17	11.0	121.1
Storage 3 300	1.0	EXT	0.0	0.38	0.1	0.31	AIR-CHANGE	0.17	7.0	76.9
Spaces on floor: Roof Elev Level										
Elevator Penthouse R	1.0	EXT	0.0	0.00	0.8	2.78	AIR-CHANGE	0.17	78.6	416.5
					987.4				49255.6	581646.8

BUILDING TOTALS

REPORT- LV-G

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LV-G Details of Schedules WEATHER FILE- EPW Seattle-King Cou

---

NUMBER OF SCHEDULES 26

Schedule: 0% Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FOR DAYS SAT

```
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00


    Schedule: Fraction 100% Sch                Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

            FOR DAYS  MON TUE WED THU FRI HDD CDD
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Unnamed                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SAT
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00


    Schedule: Occ Office COMNET Sch            Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
           0.00 0.00 0.00 0.00 0.00 0.00 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.00 0.00 0.00 0.00 0.00 0.00
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            FOR DAYS  MON TUE WED THU FRI HDD CDD
          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
             0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.20 0.95 0.95 0.95 0.95 0.50 0.95 0.95 0.95 0.95 0.30 0.10 0.10 0.10 0.10 0.05 0.05

            FOR DAYS  SAT
          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
             0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.10 0.30 0.30 0.30 0.30 0.10 0.10 0.10 0.10 0.10 0.05 0.05 0.00 0.00 0.00 0.00 0.00


     Schedule: Lights Office COMNET Sch          Type of Schedule: FRACTION

          THROUGH 31 12

            FOR DAYS  SUN HOL
          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
             0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05

            FOR DAYS  MON TUE WED THU FRI HDD CDD
          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
             0.05 0.05 0.05 0.05 0.05 0.10 0.10 0.30 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.50 0.30 0.30 0.20 0.20 0.10 0.05
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SAT
          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
             0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.10 0.30 0.30 0.30 0.30 0.15 0.15 0.15 0.15 0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05


     Schedule: Recp Office COMNET Sch            Type of Schedule: FRACTION
```

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.90	0.90	0.90	0.90	0.80	0.90	0.90	0.90	0.90	0.50	0.40	0.40	0.40	0.40	0.40	0.40

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.50	0.50	0.50	0.50	0.35	0.35	0.35	0.35	0.35	0.30	0.30	0.30	0.30	0.30	0.30	0.30

Schedule: Cooling Office COMNET Sch Type of Schedule: TEMPERATURE

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	80.0	80.0	80.0	80.0	80.0	78.0	77.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	80.0	80.0

FOR DAYS SAT

```
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        80.0 80.0 80.0 80.0 80.0 78.0 77.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

  Schedule: Heating Office COMNET Sch         Type of Schedule: TEMPERATURE

     THROUGH 31 12

         FOR DAYS  SUN HOL
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0

         FOR DAYS  MON TUE WED THU FRI HDD CDD
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        60.0 60.0 60.0 60.0 60.0 64.0 67.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0 60.0

         FOR DAYS  SAT
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        60.0 60.0 60.0 60.0 60.0 64.0 67.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0

  Schedule: Occ Restaurant COMNET Sch         Type of Schedule: FRACTION

     THROUGH 31 12

         FOR DAYS  SUN HOL
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.05 0.00 0.00 0.00 0.00 0.00 0.05 0.50 0.50 0.20 0.20 0.30 0.50 0.50 0.30 0.20 0.25 0.35 0.55 0.65 0.70 0.35 0.20 0.20

         FOR DAYS  MON TUE WED THU FRI HDD CDD
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
```

0.05 0.00 0.00 0.00 0.00 0.05 0.10 0.40 0.40 0.40 0.20 0.50 0.80 0.70 0.40 0.20 0.25 0.50 0.80 0.80 0.80 0.50 0.35 0.20

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.50	0.50	0.40	0.20	0.45	0.50	0.50	0.35	0.30	0.30	0.30	0.70	0.90	0.70	0.65	0.55	0.35

Schedule: Lights Restaurant COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.20	0.15	0.15	0.15	0.15	0.15	0.30	0.30	0.50	0.50	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.30

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.15	0.15	0.15	0.15	0.15	0.20	0.40	0.40	0.60	0.60	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.50	0.30

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.20	0.15	0.15	0.15	0.15	0.15	0.30	0.30	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.50	0.30

Schedule: Recp Restaurant COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.03 0.02 0.03 0.02 0.05 0.12 0.13 0.15 0.18 0.21 0.26 0.29 0.27 0.25 0.23 0.23 0.26 0.26 0.24 0.22 0.20 0.18 0.09 0.03

Schedule: Cooling Restaurant COMNET Sch Type of Schedule: TEMPERATURE

THROUGH 31 12

FOR DAYS SUN HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

FOR DAYS SAT

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

86.0 86.0 86.0 86.0 86.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

Schedule: Heating Restaurant COMNET Sch Type of Schedule: TEMPERATURE

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	65.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	65.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	65.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

Schedule: Occ Schools COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.15	0.15	0.15	0.15	0.15	0.00	0.00	0.00

```
            FOR DAYS  SAT

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00


    Schedule: Lights Schools COMNET Sch         Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18

            FOR DAYS  MON TUE WED THU FRI HDD CDD

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.18 0.18 0.18
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SAT

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18


    Schedule: Recp Schools COMNET Sch           Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
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```
          0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35

           FOR DAYS  MON TUE WED THU FRI HDD CDD

         HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.35 0.35 0.35 0.35 0.35 0.35 0.35

           FOR DAYS  SAT

         HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35


    Schedule: Cooling Schools COMNET Sch        Type of Schedule: TEMPERATURE

         THROUGH 31 12

           FOR DAYS  SUN HOL

         HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

           FOR DAYS  MON TUE WED THU FRI HDD CDD

         HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          80.0 80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0 80.0 80.0 80.0
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                                  WEATHER FILE- EPW Seattle-King Cou
--------------------------------------------------------------------------------------------------------------(CONTINUED)--------

           FOR DAYS  SAT

         HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

          80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0
```

Schedule: Heating Schools COMNET Sch Type of Schedule: TEMPERATURE

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	60.0	60.0	60.0

FOR DAYS SAT

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

Schedule: DHW Schools COMNET Sch Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

FOR DAYS MON TUE WED THU FRI HDD CDD

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.34	0.60	0.63	0.72	0.79	0.83	0.61	0.65	0.10	0.10	0.19	0.25	0.22	0.22	0.12	0.09

```
          FOR DAYS  SAT
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.05 0.05 0.05 0.05 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03

Schedule: Occ Assembly COMNET Sch          Type of Schedule: FRACTION

     THROUGH 31 12

          FOR DAYS  SUN HOL
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.10 0.10 0.10 0.10 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.20 0.00

          FOR DAYS  MON TUE WED THU FRI HDD CDD
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.20 0.20 0.20 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.20 0.20 0.20 0.20 0.10 0.00

          FOR DAYS  SAT
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.20 0.20 0.20 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.80 0.10 0.00

Schedule: Lights Assembly COMNET Sch       Type of Schedule: FRACTION

     THROUGH 31 12

          FOR DAYS  SUN HOL
     HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
        0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.30 0.30 0.30 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.05 0.05

          FOR DAYS  MON TUE WED THU FRI HDD CDD
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```
        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.05 0.05 0.05 0.05 0.05 0.35 0.35 0.35 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.25 0.05
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                                    WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SAT

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.05


    Schedule: Recp Assembly COMNET Sch          Type of Schedule: FRACTION

        THROUGH 31 12

            FOR DAYS  SUN HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.30 0.30 0.30 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.05 0.05

            FOR DAYS  MON TUE WED THU FRI HDD CDD

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.05 0.05 0.05 0.05 0.05 0.40 0.40 0.40 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.25 0.05

            FOR DAYS  SAT

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.30 0.30 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.05


    Schedule: Cooling Assembly COMNET Sch       Type of Schedule: TEMPERATURE

        THROUGH 31 12
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            FOR DAYS  SUN HOL

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0

            FOR DAYS  MON TUE WED THU FRI HDD CDD

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SAT

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             80.0 80.0 80.0 80.0 80.0 80.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 80.0


    Schedule: Heating Assembly COMNET Sch       Type of Schedule: TEMPERATURE

          THROUGH 31 12

            FOR DAYS  SUN HOL

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             60.0 60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

            FOR DAYS  MON TUE WED THU FRI HDD CDD

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

             60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

            FOR DAYS  SAT

          HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
```

60.0 60.0 60.0 60.0 60.0 60.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 60.0

Schedule: Ext Lighting Sch Type of Schedule: FRACTION

THROUGH 31 1

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.50 0.50 0.30 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.55 0.90 0.90 0.90 0.90 0.90 0.90 0.90

THROUGH 28 2

(CONTINUED)

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.45 0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.70 0.90 0.90 0.90 0.90 0.90

THROUGH 31 3

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.45 0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.70 0.90 0.90 0.90 0.90 0.90

THROUGH 30 4

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.45 0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.70 0.90 0.90 0.90 0.90 0.90

```
        THROUGH 31  5

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 30  6

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 31  7
Unnamed                                                                                DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LV-G Details of Schedules                                                  WEATHER FILE- EPW Seattle-King Cou
-------------------------------------------------------------------------------------------------------------(CONTINUED)--------

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.90 0.50 0.50 0.50 0.30 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.25 0.80 0.90 0.90

        THROUGH 31  8

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24

           0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

        THROUGH 30  9

            FOR DAYS  SUN MON TUE WED THU FRI SAT HOL

        HOUR  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24
```

0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

THROUGH 31 10

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.45 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.50 0.90 0.90 0.90 0.90 0.90 0.90

THROUGH 30 11

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.50 0.50 0.30 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.55 0.90 0.90 0.90 0.90 0.90 0.90 0.90

THROUGH 31 12

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

0.90 0.50 0.50 0.50 0.50 0.50 0.50 0.30 0.10 0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.55 0.90 0.90 0.90 0.90 0.90 0.90 0.90

Schedule: Dirt Depre Windows Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Schedule: Dirt Depre Flat Skylights Type of Schedule: FRACTION

THROUGH 31 12

FOR DAYS SUN MON TUE WED THU FRI SAT HOL

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

REPORT- LV-I

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LV-I Details of Constructions WEATHER FILE- EPW Seattle-King Cou

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NUMBER OF CONSTRUCTIONS 26 DELAYED 23 QUICK 3

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
Steel_Roof	0.025	0.75	5	DELAYED	9
Mass_Roof	0.027	0.75	5	DELAYED	11
Wood_Roof	0.027	0.75	5	DELAYED	9
Ins_Ent_AD_Roof	0.027	0.75	5	DELAYED	9
Attic/Other_Roof	0.027	0.75	5	DELAYED	9
J.o.s.r_Roof	0.027	0.75	5	DELAYED	9
Steel_Wall	0.046	0.75	5	DELAYED	4
Mass_Wall	0.243	0.75	5	DELAYED	5
Wood_Wall	0.054	0.75	5	DELAYED	6
Below-grade_Wall	0.080	0.75	3	DELAYED	32
Steel_Floor	0.044	0.75	5	DELAYED	7
Mass_Floor	0.027	0.75	5	DELAYED	11
Wood_Floor	0.025	0.75	5	DELAYED	7
Mass_transf_slab_Floor	0.027	0.75	5	DELAYED	11
Intr._Slab_Floor	0.027	0.75	5	DELAYED	11
S-o-G_UH_Floor	0.030	0.75	3	DELAYED	32
S-o-G_H_Floor	0.008	0.75	3	DELAYED	32
Swinging_Door	0.370	0.75	1	QUICK	0
Nonswinging_Door	0.370	0.75	5	QUICK	0
Interior Floor	0.215	0.20	4	DELAYED	6

Interior Wall	0.411	0.50	4	DELAYED	4
Semiexterior Steel_Wall	0.055	0.75	5	DELAYED	4
Semiexterior Mass_Wall	0.057	0.75	5	DELAYED	5
Semiexterior Mass_Floor	0.027	0.75	5	DELAYED	11
Semiexterior Steel_Floor	0.029	0.75	5	DELAYED	7
Default Air Wall Construction	2.700	0.70	3	QUICK	0

REPORT- LV-J

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LV-J Details of Building Shades WEATHER FILE- EPW Seattle-King Cou

---

NUMBER OF BUILDING SHADES 6 RECTANGULAR 0 OTHER 6

RECTANGULAR SHADES

SHADE NAME	TRANSMITTANCE	HEIGHT (FT)	WIDTH (FT)	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN BUILDING COORDINATES XB (FT)	YB (FT)	ZB (FT)

REPORT- LS-A

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LS-A Space Peak Loads Summary WEATHER FILE- EPW Seattle-King Cou

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SPACE NAME	MULTIPLIER SPACE	FLOOR	COOLING LOAD (KBTU/HR)	TIME OF PEAK	DRY-BULB	WET-BULB	HEATING LOAD (KBTU/HR)	TIME OF PEAK	DRY-BULB	WET-BULB
ART 003	1.	1.	10.438	AUG 10 4 PM	88.F	66.F	-3.458	JAN 3 7 PM	27.F	22.F
Circulation 001	1.	1.	10.246	AUG 10 4 PM	88.F	66.F	-1.171	JAN 3 7 PM	27.F	22.F
Conference 006	1.	1.	4.775	AUG 10 4 PM	88.F	66.F	-0.833	JAN 3 7 PM	27.F	22.F
Electrical 002B	1.	1.	1.253	AUG 10 4 PM	88.F	66.F	-1.204	JAN 3 7 PM	27.F	22.F
Elevator1 000	1.	1.	0.000		0.F	0.F	-0.613	JAN 6 10 AM	25.F	24.F
Faculty 004	1.	1.	7.364	JUL 22 4 PM	86.F	65.F	-3.630	JAN 6 5 AM	27.F	22.F
MDF 001F	1.	1.	0.701	AUG 10 4 PM	88.F	66.F	-0.758	JAN 30 4 AM	45.F	42.F
MP Storage 008	1.	1.	0.454	JUL 22 3 PM	86.F	66.F	-0.413	JAN 3 7 PM	27.F	22.F
Machine Room 008A	1.	1.	0.171	AUG 10 4 PM	88.F	66.F	-0.183	JAN 3 7 PM	27.F	22.F

PlumbingStorage 007	1.	1.	1.148	AUG 10	4 PM	88.F	66.F	-2.284	JAN 30	4 AM	45.F	42.F
Restroom 001B	1.	1.	0.219	JUL 22	3 PM	86.F	66.F	-0.016	JAN 3	7 PM	27.F	22.F
Restroom 001C	1.	1.	0.209	JUL 22	3 PM	86.F	66.F	-0.015	JAN 3	7 PM	27.F	22.F
Restroom 001D	1.	1.	0.785	JUL 22	3 PM	86.F	66.F	-0.056	JAN 3	7 PM	27.F	22.F
Restroom 001E	1.	1.	0.191	JUL 22	3 PM	86.F	66.F	-0.014	JAN 3	7 PM	27.F	22.F
Shaft1 000	1.	1.	0.003	JUL 22	3 PM	86.F	66.F	-0.069	JAN 6	10 AM	25.F	24.F
Sprinkler 008B	1.	1.	0.309	AUG 10	4 PM	88.F	66.F	-0.698	MAR 5	7 AM	41.F	40.F
Stair SW 000	1.	1.	1.630	AUG 10	4 PM	88.F	66.F	-0.136	JAN 3	7 PM	27.F	22.F
StemScience 002	1.	1.	15.662	AUG 10	4 PM	88.F	66.F	-4.404	JAN 3	7 PM	27.F	22.F
Storage 002A	1.	1.	0.020	AUG 10	4 PM	88.F	66.F	-0.733	MAR 5	7 AM	41.F	40.F
Storage 003A	1.	1.	0.173	JUL 23	8 PM	88.F	68.F	-0.221	JAN 6	5 AM	27.F	22.F
Storage 006A	1.	1.	0.124	AUG 10	4 PM	88.F	66.F	-1.254	JAN 30	4 AM	45.F	42.F
TLT 009	1.	1.	0.640	JUL 22	3 PM	86.F	66.F	-0.046	JAN 3	7 PM	27.F	22.F
WD 001	1.	1.	0.215	JUL 22	3 PM	86.F	66.F	-0.019	JAN 3	7 PM	27.F	22.F
Workroom 005	1.	1.	1.374	AUG 10	4 PM	88.F	66.F	-0.725	JAN 30	4 AM	45.F	42.F
Admin 114	1.	1.	1.783	JUL 22	4 PM	86.F	65.F	-0.330	JAN 3	7 PM	27.F	22.F
CIRC 111	1.	1.	12.216	JUL 22	4 PM	86.F	65.F	-0.401	JAN 3	7 PM	27.F	22.F
Chapel 103A	1.	1.	26.843	SEP 21	11 AM	66.F	59.F	-7.245	JAN 3	7 PM	27.F	22.F
Classroom 113	1.	1.	9.159	AUG 10	4 PM	88.F	66.F	-2.338	JAN 3	7 PM	27.F	22.F
Classroom 115	1.	1.	8.811	JUL 22	4 PM	86.F	65.F	-2.013	JAN 3	7 PM	27.F	22.F
Classroom 116	1.	1.	8.808	JUL 22	4 PM	86.F	65.F	-2.012	JAN 3	7 PM	27.F	22.F
Electrical 111D	1.	1.	0.029	JUL 22	3 PM	86.F	66.F	-0.001	JAN 3	7 PM	27.F	22.F
Elevator1 100	1.	1.	0.040	JUL 22	3 PM	86.F	66.F	-0.162	JAN 6	10 AM	25.F	24.F
FC Storage 103D	1.	1.	0.104	JUL 22	3 PM	86.F	66.F	-0.093	JAN 30	4 AM	45.F	42.F
Faculty2 104	1.	1.	7.791	JUL 23	8 PM	88.F	68.F	-3.003	JAN 5	7 AM	21.F	18.F
GYMMulty 103B	1.	1.	29.961	AUG 10	6 PM	90.F	64.F	-9.718	JAN 6	5 AM	27.F	22.F
Kitchen 102	1.	1.	2.237	JUL 10	8 PM	81.F	64.F	-0.330	JAN 30	4 AM	45.F	42.F
LRC-1 119	1.	1.	6.542	FEB 22	3 PM	54.F	52.F	-0.996	JAN 6	7 AM	27.F	23.F
MP Lobby 101	1.	1.	8.517	AUG 10	4 PM	88.F	66.F	-0.482	JAN 3	7 PM	27.F	22.F
Mens TLTS 105	1.	1.	2.235	AUG 10	4 PM	88.F	66.F	-0.335	JAN 3	7 PM	27.F	22.F
OFF 114A	1.	1.	0.900	AUG 10	4 PM	88.F	66.F	-0.461	JAN 6	5 AM	27.F	22.F
OFF 114B	1.	1.	0.907	AUG 10	4 PM	88.F	66.F	-0.464	JAN 6	5 AM	27.F	22.F
OFF 114C	1.	1.	1.025	AUG 10	4 PM	88.F	66.F	-0.539	JAN 6	5 AM	27.F	22.F
OFF 114D	1.	1.	0.485	JUL 22	4 PM	86.F	65.F	-0.083	JAN 3	7 PM	27.F	22.F
Off 112	1.	1.	2.662	DEC 21	2 PM	47.F	42.F	-0.732	JAN 3	8 PM	27.F	22.F
Office 107	1.	1.	3.718	SEP 22	3 PM	79.F	61.F	-1.013	JAN 6	5 AM	27.F	22.F
Preschol 117	1.	1.	12.087	JUL 23	8 PM	88.F	68.F	-2.647	JAN 3	7 PM	27.F	22.F
Preschol 118	1.	1.	19.071	OCT 6	4 PM	79.F	53.F	-4.356	JAN 6	7 AM	27.F	23.F
Restroom 111A	1.	1.	0.223	JUL 22	4 PM	86.F	65.F	-0.002	JAN 3	7 PM	27.F	22.F

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LS-A Space Peak Loads Summary WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

Restroom 111B	1.	1.	0.213	JUL 22	4 PM	86.F	65.F	-0.002	JAN 3	7 PM	27.F	22.F
Restroom 111C	1.	1.	0.795	JUL 22	4 PM	86.F	65.F	-0.008	JAN 3	7 PM	27.F	22.F
Shaft 1 100	1.	1.	0.013	JUL 22	3 PM	86.F	66.F	-0.053	JAN 6	10 AM	25.F	24.F
Shaft 103E	1.	1.	0.049	JUL 23	8 PM	88.F	68.F	-0.097	JAN 6	10 AM	25.F	24.F
Shaft 2 100	1.	1.	0.007	JUL 22	3 PM	86.F	66.F	-0.027	JAN 6	10 AM	25.F	24.F
Shaft 3 100	1.	1.	0.023	AUG 10	4 PM	88.F	66.F	-0.102	JAN 6	10 AM	25.F	24.F
Shaft 5 100	1.	1.	0.242	JUL 23	8 PM	88.F	68.F	-0.186	JAN 6	10 AM	25.F	24.F
Stair SE-1 100	1.	1.	2.734	AUG 10	4 PM	88.F	66.F	-0.745	JAN 6	5 AM	27.F	22.F

Stair SW-1 100	1.	1.	7.406	SEP	22	3	PM	79.F	61.F	-1.174	JAN	6	5	AM	27.F	22.F
Storage 101A	1.	1.	0.031	JUL	22	3	PM	86.F	66.F	-0.027	JAN	30	4	AM	45.F	42.F
Storage 103C	1.	1.	0.555	SEP	22	3	PM	79.F	61.F	-0.389	JAN	6	5	AM	27.F	22.F
Storage 103E	1.	1.	0.366	AUG	10	11	AM	77.F	62.F	-0.395	JAN	4	12	MDNT	19.F	17.F
Storage 103F	1.	1.	0.830	JUL	23	8	PM	88.F	68.F	-1.058	JAN	6	5	AM	27.F	22.F
Storage 103G	1.	1.	1.056	JUL	23	8	PM	88.F	68.F	-1.120	JAN	4	12	MDNT	19.F	17.F
Storage4 100	1.	1.	0.055	JUL	22	3	PM	86.F	66.F	-0.049	JAN	30	4	AM	45.F	42.F
TLT 117A	1.	1.	0.375	JUL	22	4	PM	86.F	65.F	-0.004	JAN	3	7	PM	27.F	22.F
TLT 117B	1.	1.	0.508	JUL	22	4	PM	86.F	65.F	-0.005	JAN	3	7	PM	27.F	22.F
TLT 118A	1.	1.	0.349	JUL	22	4	PM	86.F	65.F	-0.003	JAN	3	7	PM	27.F	22.F
TLT 118B	1.	1.	0.512	JUL	22	4	PM	86.F	65.F	-0.005	JAN	3	7	PM	27.F	22.F
Vestibule 106	1.	1.	5.101	DEC	21	2	PM	47.F	42.F	-1.284	JAN	6	5	AM	27.F	22.F
Vestibule 110	1.	1.	4.100	DEC	21	2	PM	47.F	42.F	-1.121	JAN	6	5	AM	27.F	22.F
Vestibule3 100	1.	1.	9.828	FEB	22	3	PM	54.F	52.F	-2.996	JAN	4	12	MDNT	19.F	17.F
Womens TLTS 104	1.	1.	2.989	AUG	10	4	PM	88.F	66.F	-0.502	JAN	3	7	PM	27.F	22.F
Break Room 211A	1.	1.	11.075	FEB	22	3	PM	54.F	52.F	-1.792	JAN	6	7	AM	27.F	23.F
Chapel 203A	1.	1.	30.471	MAR	29	3	PM	79.F	55.F	-7.546	JAN	6	5	AM	27.F	22.F
Circulation 200	1.	1.	23.216	AUG	10	4	PM	88.F	66.F	-3.333	JAN	3	7	PM	27.F	22.F
Classroom 202	1.	1.	10.051	JUL	23	4	PM	88.F	66.F	-2.838	JAN	3	7	PM	27.F	22.F
Classroom 203	1.	1.	10.055	JUL	23	4	PM	88.F	66.F	-2.839	JAN	3	7	PM	27.F	22.F
Classroom 204	1.	1.	10.051	JUL	23	4	PM	88.F	66.F	-2.838	JAN	3	7	PM	27.F	22.F
Classroom 206	1.	1.	14.566	SEP	22	4	PM	81.F	60.F	-2.778	JAN	6	7	AM	27.F	23.F
Classroom 207	1.	1.	13.147	SEP	22	3	PM	79.F	61.F	-1.895	JAN	6	7	AM	27.F	23.F
Conference Room 212A	1.	1.	3.010	AUG	10	4	PM	88.F	66.F	-0.350	JAN	3	7	PM	27.F	22.F
Conference Room 213A	1.	1.	5.302	JUL	22	4	PM	86.F	65.F	-0.270	JAN	3	7	PM	27.F	22.F
Elevator1 200	1.	1.	0.040	JUL	22	3	PM	86.F	66.F	-0.162	JAN	6	10	AM	25.F	24.F
GYMMulty 203B	1.	1.	46.876	JUL	22	5	PM	86.F	65.F	-14.566	JAN	6	5	AM	27.F	22.F
LRC-2 205	1.	1.	3.025	JUL	23	4	PM	88.F	66.F	-1.104	JAN	6	5	AM	27.F	22.F
Lobby 1 200	1.	1.	2.059	JUL	22	4	PM	86.F	65.F	0.000					0.F	0.F
Mech Mezz 213D	1.	1.	2.225	AUG	10	4	PM	88.F	66.F	-0.587	JAN	3	7	PM	27.F	22.F
Office 212B	1.	1.	1.928	JUL	23	4	PM	88.F	66.F	-1.136	JAN	6	5	AM	27.F	22.F
Office 213C	1.	1.	3.172	FEB	22	2	PM	54.F	53.F	-0.665	JAN	6	5	AM	27.F	22.F
Rental 212	1.	1.	3.255	JUL	23	4	PM	88.F	66.F	-1.449	JAN	3	7	PM	27.F	22.F
Rental 213	1.	1.	8.923	FEB	22	3	PM	54.F	52.F	-1.910	JAN	6	5	AM	27.F	22.F
Restroom 200B	1.	1.	0.223	JUL	22	4	PM	86.F	65.F	-0.002	JAN	3	7	PM	27.F	22.F
Restroom 200C	1.	1.	0.213	JUL	22	4	PM	86.F	65.F	-0.002	JAN	3	7	PM	27.F	22.F
Restroom 200D	1.	1.	0.213	JUL	22	4	PM	86.F	65.F	-0.002	JAN	3	7	PM	27.F	22.F
Restroom 200E	1.	1.	0.765	JUL	22	4	PM	86.F	65.F	-0.008	JAN	3	7	PM	27.F	22.F
Restroom 200G	1.	1.	0.153	JUL	22	4	PM	86.F	65.F	-0.001	JAN	3	7	PM	27.F	22.F
Restroom 201	1.	1.	0.758	JUL	22	4	PM	86.F	65.F	-0.007	JAN	3	7	PM	27.F	22.F
Restroom 211A	1.	1.	0.155	JUL	22	4	PM	86.F	65.F	-0.002	JAN	3	7	PM	27.F	22.F
Restroom 211C	1.	1.	0.284	JUL	22	4	PM	86.F	65.F	-0.003	JAN	3	7	PM	27.F	22.F
Restroom 211D	1.	1.	0.656	JUL	22	4	PM	86.F	65.F	-0.006	JAN	3	7	PM	27.F	22.F
Shaft 1 200	1.	1.	0.016	JUL	22	3	PM	86.F	66.F	-0.064	JAN	6	10	AM	25.F	24.F
Shaft 2 200	1.	1.	0.002	JUL	22	3	PM	86.F	66.F	-0.007	JAN	6	10	AM	25.F	24.F

Shaft 203E	1.	1.	0.055	JUL	23	8	PM	88.F	68.F	-0.086	JAN	6	10	AM	25.F	24.F
Shaft 3 200	1.	1.	0.003	JUL	22	3	PM	86.F	66.F	-0.012	JAN	6	10	AM	25.F	24.F

Shared IDF 200F	1.	1.	1.161	SEP	22	2	PM	81.F	63.F	-0.838	JAN	6	5	AM	27.F	22.F
Stair SE-2 200	1.	1.	5.315	FEB	22	3	PM	54.F	52.F	-0.846	JAN	6	7	AM	27.F	23.F
Stair SW-2 200	1.	1.	7.060	SEP	22	3	PM	79.F	61.F	-0.880	JAN	6	5	AM	27.F	22.F
Storage 203E	1.	1.	0.344	AUG	10	12	NOON	81.F	64.F	-0.404	JAN	5	7	AM	21.F	18.F
Storage 203G	1.	1.	1.217	JUL	23	8	PM	88.F	68.F	-1.226	JAN	5	7	AM	21.F	18.F
Storage 3 200	1.	1.	0.036	JUL	23	4	PM	88.F	66.F	-0.020	JAN	6	5	AM	27.F	22.F
Storage4 200	1.	1.	0.086	JUL	22	3	PM	86.F	66.F	-0.045	JAN	6	5	AM	27.F	22.F
Work Room 213B	1.	1.	0.527	JUL	22	4	PM	86.F	65.F	-0.091	JAN	3	7	PM	27.F	22.F
ARTStmOpn Offc 301D	1.	1.	35.240	AUG	10	4	PM	88.F	66.F	-9.569	JAN	4	7	AM	25.F	20.F
COO 303C	1.	1.	2.977	SEP	22	3	PM	79.F	61.F	-0.754	JAN	6	5	AM	27.F	22.F
Camp Schchter 303	1.	1.	4.349	JUL	23	4	PM	88.F	66.F	-0.413	JAN	3	7	PM	27.F	22.F
Circulation 300	1.	1.	19.965	JUL	23	4	PM	88.F	66.F	-5.820	JAN	4	7	AM	25.F	20.F
Conference Room 303A	1.	1.	9.888	SEP	22	3	PM	79.F	61.F	-1.763	JAN	4	7	AM	25.F	20.F
DevComm 303D	1.	1.	7.979	SEP	22	4	PM	81.F	60.F	-2.139	JAN	4	7	AM	25.F	20.F
Elevator1 300	1.	1.	0.036	JUL	22	3	PM	86.F	66.F	-0.147	JAN	6	10	AM	25.F	24.F
Exec Office 300F	1.	1.	2.502	JUL	23	4	PM	88.F	66.F	-1.401	JAN	6	5	AM	27.F	22.F
GameTrch Room 301G	1.	1.	7.485	SEP	22	3	PM	79.F	61.F	-1.536	JAN	6	7	AM	27.F	23.F
JC 300E	1.	1.	0.156	JUL	23	4	PM	88.F	66.F	-0.084	JAN	6	5	AM	27.F	22.F
Music Room 301F	1.	1.	9.752	SEP	22	3	PM	79.F	61.F	-2.032	JAN	6	7	AM	27.F	23.F
OffPhone 303B	1.	1.	2.052	SEP	22	3	PM	79.F	61.F	-0.608	JAN	6	5	AM	27.F	22.F
Office 301A	1.	1.	1.447	JUL	23	4	PM	88.F	66.F	-0.789	JAN	6	5	AM	27.F	22.F
Office 301B	1.	1.	1.563	JUL	23	4	PM	88.F	66.F	-0.843	JAN	6	5	AM	27.F	22.F
Office 302A	1.	1.	0.595	JUL	23	4	PM	88.F	66.F	-0.165	JAN	3	7	PM	27.F	22.F
Office 302B	1.	1.	0.591	JUL	23	4	PM	88.F	66.F	-0.164	JAN	3	7	PM	27.F	22.F
Office 302C	1.	1.	0.591	JUL	23	4	PM	88.F	66.F	-0.164	JAN	3	7	PM	27.F	22.F
Program Office 303E	1.	1.	7.700	JUL	23	8	PM	88.F	68.F	-2.767	JAN	6	5	AM	27.F	22.F
Rental 302	1.	1.	15.873	SEP	22	3	PM	79.F	61.F	-4.460	JAN	6	5	AM	27.F	22.F
Rental Office 300F	1.	1.	1.567	JUL	23	4	PM	88.F	66.F	-0.817	JAN	6	5	AM	27.F	22.F
Restroom 300A	1.	1.	0.476	JUL	23	4	PM	88.F	66.F	-0.043	JAN	3	7	PM	27.F	22.F
Restroom 300B	1.	1.	0.706	JUL	23	4	PM	88.F	66.F	-0.064	JAN	3	7	PM	27.F	22.F
Restroom 300C	1.	1.	0.714	JUL	23	4	PM	88.F	66.F	-0.064	JAN	3	7	PM	27.F	22.F
Restroom 300G	1.	1.	0.420	JUL	23	4	PM	88.F	66.F	-0.038	JAN	3	7	PM	27.F	22.F
Shaft 1 300	1.	1.	0.016	JUL	23	4	PM	88.F	66.F	-0.022	JAN	6	10	AM	25.F	24.F
Shaft 2 300	1.	1.	0.050	JUL	23	4	PM	88.F	66.F	-0.071	JAN	6	10	AM	25.F	24.F
Snoezelen Room 301E	1.	1.	4.181	SEP	22	3	PM	79.F	61.F	-0.826	JAN	6	7	AM	27.F	23.F
Stair SE-3 200	1.	1.	2.181	JUL	23	4	PM	88.F	66.F	-0.222	JAN	3	7	PM	27.F	22.F
Stair SW-3 200	1.	1.	6.506	SEP	22	3	PM	79.F	61.F	-1.078	JAN	6	7	AM	27.F	23.F
Storage 2 300	1.	1.	0.044	JUL	23	4	PM	88.F	66.F	-0.023	JAN	6	5	AM	27.F	22.F
Storage 3 300	1.	1.	0.028	JUL	23	4	PM	88.F	66.F	-0.015	JAN	6	5	AM	27.F	22.F
Elevator Penthouse R	1.	1.	0.983	JUL	23	5	PM	90.F	67.F	-0.140	JAN	5	8	AM	19.F	16.F
			---							---						
SUM			632.701							-165.709						
BUILDING PEAK			593.306	AUG	10	4	PM	88.F	66.F	-162.560	JAN	6	5	AM	27.F	22.F

REPORT- PV-A

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PV-A Plant Design Parameters WEATHER FILE- EPW Seattle-King Cou

*** CIRCULATION LOOPS ***

	HEATING CAPACITY (MBTU/HR)	COOLING CAPACITY (MBTU/HR)	LOOP FLOW (GAL/MIN)	TOTAL HEAD (FT)	SUPPLY UA PRODUCT (BTU/HR-F)	SUPPLY LOSS DT (F)	RETURN UA PRODUCT (BTU/HR-F)	RETURN LOSS DT (F)	LOOP VOLUME (GAL)	FLUID HEAT CAPACITY (BTU/LB-F)
DHW Loop	-0.009	0.000	0.2	0.0	0.0	0.00	0.0	0.00	0.4	1.00

*** DW-HEATERS ***

EQUIPMENT TYPE	ATTACHED TO	CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	EIR (FRAC)	HIR (FRAC)	AUXILIARY (KW)	TANK (GAL)	TANK UA (BTU/HR-F)
DWH Heater								
HEAT-PUMP DW-HTR	DHW Loop	-0.042	1.2	0.233	0.000	0.000	75.0	7.50

REPORT- SV-A

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- SV-A System Design Parameters for VRF-B-1 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	4049.1	95.	0.272	108.000	0.800	-120.500	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	6160.	1.00	0.693	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	4483.	1.00	0.524	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

	SUPPLY	EXHAUST	MINIMUM	OUTSIDE	COOLING	EXTRACTION	HEATING	ADDITION

ZONE NAME	FLOW (CFM)	FLOW (CFM)	FAN (KW)	FLOW (FRAC)	AIR FLOW (CFM)	CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	RATE (KBTU/HR)	CAPACITY (KBTU/HR)	RATE (KBTU/HR)	ZONE MULT
Faculty 004 zn	521.	76.	0.000	1.000	76.	0.00	0.00	6.23	0.00	-2.54	1.
Workroom 005 zn	1046.	35.	0.000	1.000	35.	0.00	0.00	12.50	0.00	-5.09	1.
Circulation 001 zn	1709.	126.	0.000	1.000	126.	0.00	0.00	20.42	0.00	-8.32	1.
Conference 006 zn	786.	126.	0.000	1.000	126.	0.00	0.00	9.39	0.00	-3.82	1.
StemScience 002 zn	2097.	1313.	0.000	1.000	1313.	0.00	0.00	25.06	0.00	-10.20	1.

REPORT- SV-A System Design Parameters for VHP-C-1 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	3547.1	125.	0.233	96.000	0.800	-108.000	0.269	0.263	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3905.	1.00	0.439	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	2996.	1.00	0.350	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Chapel 203A zn	1686.	454.	0.000	1.000	454.	0.00	0.00	31.58	0.00	-24.14	1.
Chapel 103A zn	2219.	454.	0.000	1.000	454.	0.00	0.00	41.56	0.00	-31.76	1.

REPORT- SV-A System Design Parameters for VFC-1-12 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	6158.2	148.	0.217	158.000	0.800	-177.600	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	8615.	1.00	0.969	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	6742.	1.00	0.788	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Classroom 116 zn	791.	343.	0.000	1.000	343.	0.00	0.00	10.34	0.00	-6.82	1.
OFF 114C zn	200.	15.	0.000	1.000	15.	0.00	0.00	2.61	0.00	-1.72	1.
Office 107 zn	336.	20.	0.000	1.000	20.	0.00	0.00	4.39	0.00	-2.89	1.
CIRC 111 zn	2263.	106.	0.000	1.000	106.	0.00	0.00	29.57	0.00	-19.50	1.
Classroom 113 zn	827.	343.	0.000	1.000	343.	0.00	0.00	10.80	0.00	-7.12	1.
Classroom 115 zn	792.	343.	0.000	1.000	343.	0.00	0.00	10.35	0.00	-6.82	1.
LRC-1 119 zn	597.	106.	0.000	1.000	106.	0.00	0.00	7.80	0.00	-5.14	1.
Preschol 117 zn	1095.	298.	0.000	1.000	298.	0.00	0.00	14.31	0.00	-9.43	1.
Preschol 118 zn	1716.	298.	0.000	1.000	298.	0.00	0.00	22.42	0.00	-14.78	1.

REPORT- SV-A System Design Parameters for VFC-2-1-16 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	8468.2	183.	0.201	233.000	0.800	-261.200	0.284	0.269	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	12030.	1.00	1.353	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	9611.	1.00	1.123	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Work Room 213B zn	51.	15.	0.000	1.000	15.	0.00	0.00	0.72	0.00	-0.53	1.
Break Room 211A zn	1076.	81.	0.000	1.000	81.	0.00	0.00	15.25	0.00	-11.20	1.
Office 212B zn	179.	15.	0.000	1.000	15.	0.00	0.00	2.54	0.00	-1.86	1.
Office 213C zn	307.	15.	0.000	1.000	15.	0.00	0.00	4.35	0.00	-3.20	1.
Rental 212 zn	309.	40.	0.000	1.000	40.	0.00	0.00	4.37	0.00	-3.21	1.
Rental 213 zn	863.	81.	0.000	1.000	81.	0.00	0.00	12.23	0.00	-8.99	1.
Circulation 200 zn	2250.	263.	0.000	1.000	263.	0.00	0.00	31.88	0.00	-23.42	1.
Classroom 202 zn	967.	343.	0.000	1.000	343.	0.00	0.00	13.70	0.00	-10.07	1.
Classroom 203 zn	967.	343.	0.000	1.000	343.	0.00	0.00	13.71	0.00	-10.07	1.
Classroom 204 zn	967.	343.	0.000	1.000	343.	0.00	0.00	13.70	0.00	-10.07	1.

Classroom 206 zn	1419.	364.	0.000	1.000	364.	0.00	0.00	20.10	0.00	-14.77	1.
Classroom 207 zn	1284.	364.	0.000	1.000	364.	0.00	0.00	18.19	0.00	-13.36	1.
Conference Room 212A zn	293.	50.	0.000	1.000	50.	0.00	0.00	4.16	0.00	-3.05	1.
Conference Room 213A zn	1096.	101.	0.000	1.000	101.	0.00	0.00	15.53	0.00	-11.41	1.

REPORT- SV-A System Design Parameters for VFC-3-1-16 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	7800.5	155.	0.170	243.000	0.800	-274.000	0.284	0.269	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	11770.	1.00	1.324	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	9765.	1.00	1.141	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Rental 302 zn	1002.	81.	0.000	1.000	81.	0.00	0.00	15.75	0.00	-13.28	1.
Camp Schchter 303 zn	409.	40.	0.000	1.000	40.	0.00	0.00	6.44	0.00	-5.42	1.
COO 303C zn	188.	20.	0.000	1.000	20.	0.00	0.00	2.96	0.00	-2.50	1.
Exec Office 300F zn	287.	30.	0.000	1.000	30.	0.00	0.00	4.52	0.00	-3.81	1.
OffPhone 303B zn	141.	15.	0.000	1.000	15.	0.00	0.00	2.21	0.00	-1.87	1.
Office 301A zn	176.	15.	0.000	1.000	15.	0.00	0.00	2.76	0.00	-2.33	1.
Office 301B zn	96.	15.	0.000	1.000	15.	0.00	0.00	1.51	0.00	-1.27	1.
Office 302B zn	122.	15.	0.000	1.000	15.	0.00	0.00	1.92	0.00	-1.62	1.
Program Office 303E zn	481.	56.	0.000	1.000	56.	0.00	0.00	7.57	0.00	-6.38	1.
Rental Office 300F zn	202.	25.	0.000	1.000	25.	0.00	0.00	3.17	0.00	-2.67	1.
Circulation 300 zn	1253.	146.	0.000	1.000	146.	0.00	0.00	19.69	0.00	-16.60	1.
ARTStmOpn Offc 301D zn	4885.	758.	0.000	1.000	758.	0.00	0.00	76.79	0.00	-64.73	1.
Conference Room 303A zn	630.	96.	0.000	1.000	96.	0.00	0.00	9.90	0.00	-8.35	1.
DevComm 303D zn	505.	45.	0.000	1.000	45.	0.00	0.00	7.93	0.00	-6.69	1.
GameTrch Room 301G zn	507.	364.	0.000	1.000	364.	0.00	0.00	7.96	0.00	-6.71	1.
Music Room 301F zn	620.	263.	0.000	1.000	263.	0.00	0.00	9.75	0.00	-8.22	1.
Snoezelen Room 301E zn	266.	20.	0.000	1.000	20.	0.00	0.00	4.19	0.00	-3.53	1.

REPORT- SV-A System Design Parameters for RTU-R-1-2 sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	7557.4	76.	0.224	150.500	0.800	-134.500	0.269	0.259	-94.260

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	6504.	1.00	5.565	2.64	0.0	0.00	0.00	DRAW-THRU	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
GYMMulty 203B zn	3698.	848.	0.000	1.000	848.	0.00	0.00	53.31	0.00	-72.69	1.
GYMMulty 103B zn	2807.	606.	0.000	1.000	606.	0.00	0.00	40.47	0.00	-55.18	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PTAC	1.010	502.7	5.	0.000	0.000	0.000	0.000	0.216	0.234	-14.969

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	712.	0.00	0.000	0.32	0.0	0.00	0.00	BLOW-THRU	SPEED	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Shared IDF 200F zn	712.	0.	0.073	1.000	0.	24.00	0.80	15.39	-28.00	-15.21	1.
MDF 001F zn	712.	0.	0.073	1.000	0.	24.00	0.80	15.39	-28.00	-15.21	1.
Machine Room 008A zn	712.	0.	0.073	1.000	0.	24.00	0.80	15.39	-28.00	-15.21	1.

SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTSIDE AIR	COOLING CAPACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMP SUPP-HEAT

TYPE	FACTOR	(SQFT)	PEOPLE	RATIO	(KBTU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
UVT	1.010	1950.1	49.	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1034.	0.00	0.000	0.92	0.0	0.00	0.00	BLOW-THRU	CONSTANT	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Stair SW 000 zn	130.	0.	0.039	1.000	0.	0.00	0.00	0.00	-3.32	-2.78	1.
Stair SE-1 100 zn	121.	0.	0.036	1.000	0.	0.00	0.00	0.00	-3.07	-2.58	1.
Stair SW-1 100 zn	196.	0.	0.058	1.000	0.	0.00	0.00	0.00	-4.98	-4.17	1.
Stair SE-2 200 zn	98.	0.	0.029	1.000	0.	0.00	0.00	0.00	-2.49	-2.08	1.
Stair SW-2 200 zn	203.	0.	0.060	1.000	0.	0.00	0.00	0.00	-5.16	-4.32	1.
Stair SE-3 200 zn	93.	0.	0.028	1.000	0.	0.00	0.00	0.00	-2.37	-1.99	1.
Stair SW-3 200 zn	193.	0.	0.057	1.000	0.	0.00	0.00	0.00	-4.92	-4.13	1.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
UVT	1.010	6836.3	114.	0.010	0.000	0.000	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	6894.	0.00	0.000	0.92	0.0	0.00	0.00	BLOW-THRU	CONSTANT	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Lobby 1 200 zn	186.	0.	0.055	1.000	0.	0.00	0.00	0.00	-4.73	-3.97	1.
Restroom 001B zn	21.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.53	-0.45	1.
Restroom 001D zn	75.	0.	0.022	1.000	0.	0.00	0.00	0.00	-1.91	-1.60	1.
Restroom 001E zn	18.	0.	0.005	1.000	0.	0.00	0.00	0.00	-0.46	-0.39	1.
TLT 009 zn	61.	0.	0.018	1.000	0.	0.00	0.00	0.00	-1.56	-1.31	1.

Mens TLTS 105 zn	204.	0.	0.061	1.000	0.	0.00	0.00	0.00	-5.19	-4.35	1.
Restroom 111A zn	21.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.53	-0.45	1.
Restroom 111B zn	20.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.51	-0.42	1.
Restroom 111C zn	75.	0.	0.022	1.000	0.	0.00	0.00	0.00	-1.91	-1.60	1.
TLT 117A zn	35.	0.	0.010	1.000	0.	0.00	0.00	0.00	-0.89	-0.75	1.
TLT 117B zn	48.	0.	0.014	1.000	0.	0.00	0.00	0.00	-1.22	-1.02	1.
TLT 118A zn	33.	0.	0.010	1.000	0.	0.00	0.00	0.00	-0.83	-0.70	1.
TLT 118B zn	48.	0.	0.014	1.000	0.	0.00	0.00	0.00	-1.23	-1.03	1.
Womens TLTS 104 zn	271.	0.	0.080	1.000	0.	0.00	0.00	0.00	-6.89	-5.78	1.
Restroom 200B zn	21.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.53	-0.45	1.
Restroom 200C zn	20.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.51	-0.42	1.
Restroom 200D zn	20.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.51	-0.42	1.
Restroom 200E zn	72.	0.	0.022	1.000	0.	0.00	0.00	0.00	-1.84	-1.54	1.
Restroom 200G zn	14.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.36	-0.30	1.
Restroom 201 zn	72.	0.	0.021	1.000	0.	0.00	0.00	0.00	-1.82	-1.53	1.
Restroom 211A zn	14.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.37	-0.31	1.
Restroom 211C zn	27.	0.	0.008	1.000	0.	0.00	0.00	0.00	-0.68	-0.57	1.
Restroom 211D zn	62.	0.	0.018	1.000	0.	0.00	0.00	0.00	-1.58	-1.32	1.
Restroom 300A zn	39.	0.	0.011	1.000	0.	0.00	0.00	0.00	-0.98	-0.82	1.
Restroom 300B zn	57.	0.	0.017	1.000	0.	0.00	0.00	0.00	-1.46	-1.23	1.
Restroom 300C zn	58.	0.	0.017	1.000	0.	0.00	0.00	0.00	-1.48	-1.24	1.
Restroom 300G zn	34.	0.	0.010	1.000	0.	0.00	0.00	0.00	-0.86	-0.72	1.
WD 001 zn	22.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.56	-0.47	1.
Vestibule 106 zn	143.	0.	0.042	1.000	0.	0.00	0.00	0.00	-3.63	-3.05	1.
Vestibule 110 zn	168.	0.	0.050	1.000	0.	0.00	0.00	0.00	-4.29	-3.59	1.

Vestibule3 100 zn	147.	0.	0.044	1.000	0.	0.00	0.00	0.00	-3.73	-3.14	1.
Restroom 001C zn	20.	0.	0.006	1.000	0.	0.00	0.00	0.00	-0.51	-0.42	1.
MP Storage 008 zn	248.	0.	0.074	1.000	0.	0.00	0.00	0.00	-6.32	-5.30	1.
PlumbingStorage 007 zn	863.	0.	0.256	1.000	0.	0.00	0.00	0.00	-21.96	-18.41	1.
Storage 002A zn	144.	0.	0.043	1.000	0.	0.00	0.00	0.00	-3.67	-3.07	1.
Storage 003A zn	47.	0.	0.014	1.000	0.	0.00	0.00	0.00	-1.19	-0.99	1.
Storage 006A zn	282.	0.	0.084	1.000	0.	0.00	0.00	0.00	-7.19	-6.03	1.
FC Storage 103D zn	55.	0.	0.016	1.000	0.	0.00	0.00	0.00	-1.41	-1.18	1.
Storage 101A zn	24.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.62	-0.52	1.
Storage 103C zn	88.	0.	0.026	1.000	0.	0.00	0.00	0.00	-2.24	-1.87	1.
Storage 103E zn	41.	0.	0.012	1.000	0.	0.00	0.00	0.00	-1.06	-0.89	1.
Storage 103F zn	190.	0.	0.056	1.000	0.	0.00	0.00	0.00	-4.83	-4.05	1.
Storage 103G zn	150.	0.	0.044	1.000	0.	0.00	0.00	0.00	-3.81	-3.19	1.
Storage4 100 zn	29.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.75	-0.63	1.

Storage 203E zn	37.	0.	0.011	1.000	0.	0.00	0.00	0.00	-0.95	-0.80	1.
Storage 203G zn	150.	0.	0.044	1.000	0.	0.00	0.00	0.00	-3.81	-3.19	1.
Storage 3 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Storage4 200 zn	29.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.75	-0.63	1.
JC 300E zn	40.	0.	0.012	1.000	0.	0.00	0.00	0.00	-1.02	-0.85	1.
Storage 2 300 zn	11.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.28	-0.24	1.
Storage 3 300 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Elevator Penthouse R zn	79.	0.	0.024	1.000	0.	0.00	0.00	0.00	-2.02	-1.69	1.
Elevator1 000 zn	79.	0.	0.023	1.000	0.	0.00	0.00	0.00	-2.00	-1.68	1.
Shaft1 000 zn	26.	0.	0.008	1.000	0.	0.00	0.00	0.00	-0.65	-0.55	1.
Elevator1 100 zn	79.	0.	0.023	1.000	0.	0.00	0.00	0.00	-2.00	-1.68	1.
Shaft 1 100 zn	26.	0.	0.008	1.000	0.	0.00	0.00	0.00	-0.65	-0.55	1.
Shaft 103E zn	15.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.38	-0.32	1.
Shaft 2 100 zn	13.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.33	-0.28	1.
Shaft 3 100 zn	39.	0.	0.012	1.000	0.	0.00	0.00	0.00	-0.99	-0.83	1.
Shaft 5 100 zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.59	-0.49	1.
Elevator1 200 zn	79.	0.	0.023	1.000	0.	0.00	0.00	0.00	-2.00	-1.68	1.
Shaft 1 200 zn	31.	0.	0.009	1.000	0.	0.00	0.00	0.00	-0.79	-0.66	1.
Shaft 2 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Shaft 203E zn	12.	0.	0.004	1.000	0.	0.00	0.00	0.00	-0.31	-0.26	1.
Shaft 3 200 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Elevator1 300 zn	79.	0.	0.024	1.000	0.	0.00	0.00	0.00	-2.02	-1.69	1.
Shaft 1 300 zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Shaft 2 300 zn	23.	0.	0.007	1.000	0.	0.00	0.00	0.00	-0.58	-0.49	1.
MP Lobby 101 zn	774.	66.	0.236	1.000	66.	0.00	0.00	0.00	-23.82	-16.64	1.
Electrical 002B zn	276.	0.	0.082	1.000	0.	0.00	0.00	0.00	-7.04	-5.90	1.
Sprinkler 008B zn	147.	0.	0.044	1.000	0.	0.00	0.00	0.00	-3.73	-3.13	1.
Electrical 111D zn	10.	0.	0.003	1.000	0.	0.00	0.00	0.00	-0.26	-0.22	1.
Faculty2 104 zn	184.	0.	0.055	1.000	0.	0.00	0.00	0.00	-4.69	-3.93	1.
Mech Mezz 213D zn	295.	0.	0.088	1.000	0.	0.00	0.00	0.00	-7.51	-6.30	1.

REPORT- SV-A System Design Parameters for VFC-1-1-12 (a)sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	631.5	8.	0.097	26.000	0.800	-29.000	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)

SUPPLY	1092.	1.00	0.123	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	986.	1.00	0.115	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Admin 114 zn	479.	50.	0.004	1.000	50.	0.00	0.00	9.44	0.00	-9.19	1.
Kitchen 102 zn	613.	56.	0.005	1.000	56.	0.00	0.00	12.07	0.00	-11.75	1.

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- SV-A System Design Parameters for VFC1-12 (b)sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	485.2	2.	0.082	20.000	0.800	-22.400	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	803.	1.00	0.090	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	737.	1.00	0.086	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
OFF 114D zn	80.	15.	0.001	1.000	15.	0.00	0.00	1.69	0.00	-1.67	1.
OFF 114A zn	143.	15.	0.001	1.000	15.	0.00	0.00	3.03	0.00	-2.99	1.
OFF 114B zn	144.	15.	0.001	1.000	15.	0.00	0.00	3.06	0.00	-3.01	1.
Off 112 zn	436.	20.	0.002	1.000	20.	0.00	0.00	9.27	0.00	-9.12	1.

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- SV-A System Design Parameters for VFC-3-1-16 sys (a) WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	174.2	1.	0.004	158.000	0.800	-177.600	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)

SUPPLY	8615.	1.00	0.969	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	8585.	1.00	1.003	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Office 302A zn	4320.	15.	0.001	1.000	15.	0.00	0.00	64.68	0.00	-74.52	1.
Office 302C zn	4295.	15.	0.001	1.000	15.	0.00	0.00	64.31	0.00	-74.10	1.

REPORT- SV-A System Design Parameters for VFC-2-1-16 a sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	207.9	5.	0.148	6.000	0.800	-6.700	0.284	0.269	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	205.	1.00	0.023	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30
RETURN	175.	1.00	0.020	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
LRC-2 205 zn	205.	30.	0.003	1.000	30.	0.00	0.00	4.35	0.00	-4.44	1.

REPORT- SV-A System Design Parameters for VRF-B-1 a sys WEATHER FILE- EPW Seattle-King Cou

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PSZ	1.010	887.3	22.	0.417	18.000	0.800	-20.000	0.318	0.298	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1406.	1.00	0.158	0.35	0.5	0.53	0.62	DRAW-THRU	SPEED	1.10	0.30

RETURN	820.	1.00	0.096	0.37	0.5	0.53	0.59	RETURN	SPEED	1.10	0.30	

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
ART 003 zn	1406.	586.	0.051	1.000	586.	0.00	0.00	9.20	0.00	11.51	1.

Proposed Design Output Reports

REPORT- BEPU

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Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- BEPU Building Utility Performance                                  WEATHER FILE- EPW Seattle-King Cou
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	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
KWH	105312.	0.	152337.	18396.	31102.	0.	0.	188839.	0.	1945.	3862.	5047.	506839.
FM1 NATURAL-GAS													
THERM	0.	0.	0.	195.	0.	0.	0.	0.	0.	0.	0.	0.	195.

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          TOTAL ELECTRICITY    506839. KWH        10.290 KWH     /SQFT-YR GROSS-AREA   10.290 KWH     /SQFT-YR NET-AREA
          TOTAL NATURAL-GAS       195. THERM       0.004 THERM   /SQFT-YR GROSS-AREA    0.004 THERM   /SQFT-YR NET-AREA

          PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE =  2.40
          PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED                =  0.00
          HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE                =   163
          HOURS ANY ZONE BELOW HEATING THROTTLING RANGE                =    49

          NOTE:  ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.
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REPORT- LS-K

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Unnamed                                                                    DOE-2.2-48y    6/03/2025    15:17:15  BDL RUN  4

REPORT- LS-K Building Input Fuels Summary                                  WEATHER FILE- EPW Seattle-King Cou


BUILDING
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	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - - - - - - -		P R O C E S S - - - - - - - - -	
MONTH	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	8767.79	13078.19	0.00	0.0000	0.0000
FEB	0.00	8390.56	12165.91	0.00	0.0000	0.0000
MAR	0.00	9793.32	13847.86	0.00	0.0000	0.0000
APR	0.00	9411.49	13351.06	0.00	0.0000	0.0000
MAY	0.00	9025.07	13271.92	0.00	0.0000	0.0000
JUN	0.00	9411.49	13351.37	0.00	0.0000	0.0000
JUL	0.00	9282.33	13464.42	0.00	0.0000	0.0000
AUG	0.00	9536.04	13654.65	0.00	0.0000	0.0000
SEP	0.00	9154.21	13158.22	0.00	0.0000	0.0000
OCT	0.00	9025.09	13271.57	0.00	0.0000	0.0000
NOV	0.00	8897.02	12964.62	0.00	0.0000	0.0000
DEC	0.00	9278.87	13461.20	0.00	0.0000	0.0000
ANNUAL	0.00	109807.77	159098.27	0.00	0.0000	0.0000

REPORT- LV-D

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LV-D Details of Exterior Surfaces WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.286	0.045	0.100	1834.58	6270.11	8104.69
EAST	0.322	0.045	0.095	537.89	2477.27	3015.16
SOUTH	0.299	0.045	0.113	2018.51	5599.49	7617.99
WEST	0.313	0.050	0.110	609.16	2051.82	2660.98
NORTH-WEST	0.315	0.095	0.158	279.27	688.43	967.69
FLOOR	0.000	0.044	0.044	0.00	577.00	577.00
ROOF	0.589	0.025	0.028	92.82	16743.83	16836.65
ALL WALLS	0.299	0.048	0.107	5279.40	17087.12	22366.52
WALLS+ROOFS	0.304	0.036	0.073	5372.22	33830.95	39203.16
UNDERGRND	0.000	0.038	0.038	0.00	19530.19	19530.19
BUILDING	0.304	0.037	0.061	5372.22	53938.15	59310.36

REPORT- LV-E

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- LV-E Details of Underground Surfaces WEATHER FILE- EPW Seattle-King Cou

NUMBER OF UNDERGROUND SURFACES 65

SURFACE NAME	MULTIPLIER	AREA (SQFT)	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
Und Floor 0001	1.0	887.26	S-o-G_UH_Floor	0.030
Und Wall 0001	1.0	131.83	Below-grade_Wall	0.080
Und Floor 0002	1.0	1059.76	S-o-G_UH_Floor	0.030
Und Floor 0003	1.0	487.21	S-o-G_UH_Floor	0.030
Und Wall 0002	1.0	197.08	Below-grade_Wall	0.080
Und Wall 0003	1.0	226.04	Below-grade_Wall	0.080
Und Floor 0004	1.0	273.75	S-o-G_UH_Floor	0.030
Und Wall 0004	1.0	132.53	Below-grade_Wall	0.080
Und Floor 0005	1.0	77.77	S-o-G_UH_Floor	0.030
Underground Wall 63	1.0	37.56	Below-grade_Wall	0.080
Underground Wall 64	1.0	33.13	Below-grade_Wall	0.080
Underground Wall 65	1.0	37.56	Below-grade_Wall	0.080
Und Floor 0006	1.0	706.36	S-o-G_UH_Floor	0.030
Und Wall 0005	1.0	147.76	Below-grade_Wall	0.080
Und Wall 0006	1.0	194.86	Below-grade_Wall	0.080
Und Wall 0007	1.0	72.64	Below-grade_Wall	0.080
Und Floor 0007	1.0	240.25	S-o-G_UH_Floor	0.030
Und Wall 0008	1.0	63.89	Below-grade_Wall	0.080
Und Wall 0009	1.0	188.03	Below-grade_Wall	0.080
Und Floor 0008	1.0	245.82	S-o-G_UH_Floor	0.030
Und Wall 0010	1.0	76.84	Below-grade_Wall	0.080
Und Floor 0009	1.0	60.13	S-o-G_UH_Floor	0.030
Und Floor 0010	1.0	854.27	S-o-G_UH_Floor	0.030
Und Wall 0011	1.0	503.66	Below-grade_Wall	0.080
Und Floor 0011	1.0	20.67	S-o-G_UH_Floor	0.030
Und Floor 0012	1.0	19.68	S-o-G_UH_Floor	0.030
Und Floor 0013	1.0	74.46	S-o-G_UH_Floor	0.030
Und Floor 0014	1.0	17.98	S-o-G_UH_Floor	0.030
Und Floor 0015	1.0	25.30	S-o-G_UH_Floor	0.030
Und Wall 0012	1.0	83.11	Below-grade_Wall	0.080
Und Floor 0016	1.0	145.20	S-o-G_UH_Floor	0.030
Und Wall 0013	1.0	251.57	Below-grade_Wall	0.080
Und Floor 0017	1.0	161.29	S-o-G_UH_Floor	0.030
Und Floor 0018	1.0	1471.43	S-o-G_UH_Floor	0.030
Und Wall 0014	1.0	117.79	Below-grade_Wall	0.080
Und Floor 0019	1.0	142.65	S-o-G_UH_Floor	0.030
Und Wall 0015	1.0	174.39	Below-grade_Wall	0.080
Und Floor 0020	1.0	46.10	S-o-G_UH_Floor	0.030
Und Floor 0021	1.0	279.56	S-o-G_UH_Floor	0.030
Und Wall 0016	1.0	113.09	Below-grade_Wall	0.080
Und Wall 0017	1.0	355.99	Below-grade_Wall	0.080
Und Floor 0022	1.0	60.68	S-o-G_UH_Floor	0.030
Und Floor 0023	1.0	21.63	S-o-G_UH_Floor	0.030
Und Floor 0024	1.0	324.34	S-o-G_UH_Floor	0.030
Und Wall 0018	1.0	131.20	Below-grade_Wall	0.080
Und Floor 0025	1.0	153.80	S-o-G_UH_Floor	0.030
Und Floor 0026	1.0	1798.43	S-o-G_UH_Floor	0.030
Und Floor 0027	1.0	385.46	S-o-G_UH_Floor	0.030

Und Floor 0028	1.0	54.77	S-o-G_UH_Floor	0.030
Und Floor 0029	1.0	3681.30	S-o-G_UH_Floor	0.030
Und Floor 0030	1.0	261.27	S-o-G_UH_Floor	0.030
Und Floor 0031	1.0	766.73	S-o-G_UH_Floor	0.030

(CONTINUED)

SURFACE NAME	MULTIPLIER	AREA (SQFT)	CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)
Und Floor 0032	1.0	201.73	S-o-G_UH_Floor	0.030
Und Floor 0033	1.0	14.77	S-o-G_UH_Floor	0.030
Und Floor 0034	1.0	25.62	S-o-G_UH_Floor	0.030
Und Floor 0035	1.0	239.11	S-o-G_UH_Floor	0.030
Und Floor 0036	1.0	16.11	S-o-G_UH_Floor	0.030
Und Floor 0037	1.0	86.97	S-o-G_UH_Floor	0.030
Und Floor 0038	1.0	41.08	S-o-G_UH_Floor	0.030
Und Floor 0039	1.0	187.96	S-o-G_UH_Floor	0.030
Und Floor 0040	1.0	148.07	S-o-G_UH_Floor	0.030
Und Floor 0041	1.0	29.16	S-o-G_UH_Floor	0.030
Und Floor 0042	1.0	63.45	S-o-G_UH_Floor	0.030
Und Floor 0043	1.0	132.30	S-o-G_UH_Floor	0.030
Und Floor 0044	1.0	268.00	S-o-G_UH_Floor	0.030

REPORT- LS-C

*** BUILDING ***

FLOOR AREA 49256 SQFT 4576 M2
VOLUME 581647 CUFT 16472 M3

COOLING LOAD	HEATING LOAD

TIME	AUG 10 4PM		JAN 6 5AM	
DRY-BULB TEMP	88 F	31 C	27 F	-3 C
WET-BULB TEMP	66 F	19 C	22 F	-6 C
TOT HORIZONTAL SOLAR RAD	221 BTU/H.SQFT	696 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	4.7 KTS	2.4 M/S	7.1 KTS	3.6 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE (KBTU/H)	SENSIBLE (KW)	LATENT (KBTU/H)	LATENT (KW)	SENSIBLE (KBTU/H)	SENSIBLE (KW)
WALL CONDUCTION	29.504	8.645	0.000	0.000	-37.189	-10.896
ROOF CONDUCTION	27.168	7.960	0.000	0.000	-19.526	-5.721
WINDOW GLASS+FRM COND	20.770	6.086	0.000	0.000	-69.656	-20.409
WINDOW GLASS SOLAR	129.589	37.970	0.000	0.000	2.630	0.770
DOOR CONDUCTION	0.896	0.263	0.000	0.000	-1.066	-0.312
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-7.539	-2.209	0.000	0.000	-15.815	-4.634
OCCUPANTS TO SPACE	225.911	66.192	224.368	65.740	6.626	1.941
LIGHT TO SPACE	79.788	23.378	0.000	0.000	17.584	5.152
EQUIPMENT TO SPACE	67.110	19.663	0.000	0.000	24.625	7.215
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	20.109	5.892	0.000	0.000	-70.772	-20.736
TOTAL	593.306	173.839	224.368	65.740	-162.560	-47.630
TOTAL / AREA	0.012	0.038	0.005	0.014	-0.003	-0.010
TOTAL LOAD	817.674 KBTU/H		239.579 KW		-162.560 KBTU/H	-47.630 KW
TOTAL LOAD / AREA	16.60 BTU/H.SQFT		52.356 W/M2		3.300 BTU/H.SQFT	10.409 W/M2

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*****************************************************************
*                                                               *
*  NOTE  1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR      *
*  ----    LOADS                                                *
*        2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION        *
*          IN CONSIDERATION                                     *
*        3)THE ABOVE LOADS ARE CALCULATED ASSUMING A            *
*          CONSTANT INDOOR SPACE TEMPERATURE                    *
*                                                               *
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REPORT- LV-H

NUMBER OF WINDOWS 201

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB
N Win 0 2	1.0	27.73	8.74	3.17	17.52	0.10	0.00	0.00	0.384	0.000
N Win 1 2	1.0	27.73	8.74	3.17	14.16	0.10	0.00	0.00	0.384	0.000
N Win 2 2	1.0	27.73	8.74	3.17	10.79	0.10	0.00	0.00	0.384	0.000
N Win 3 2	1.0	26.38	8.68	3.04	7.42	0.16	0.00	0.00	0.384	0.000
N Win 4 2	1.0	11.33	5.67	2.00	4.64	0.83	0.00	0.00	0.384	0.000
N Win 5	1.0	5.31	1.67	3.19	4.04	7.17	0.00	0.00	0.384	0.000
N Win 0	1.0	35.41	6.12	5.79	42.55	3.33	0.00	0.00	0.384	0.000
N Win 1	1.0	35.41	6.12	5.79	35.57	3.36	0.00	0.00	0.384	0.000
N Win 2	1.0	17.00	5.67	3.00	23.89	0.84	0.00	0.00	0.384	0.000
N Win 3	1.0	16.92	6.16	2.75	31.64	3.33	0.00	0.00	0.384	0.000
N Win 4	1.0	10.67	2.67	4.00	23.39	7.17	0.00	0.00	0.384	0.000
E Win 0 2	1.0	14.27	3.89	3.67	11.49	7.91	0.00	0.00	0.384	0.000
E Win 1 2	1.0	14.22	3.89	3.65	28.83	7.91	0.00	0.00	0.384	0.000
E Win 2 2	1.0	14.20	5.67	2.51	8.33	0.83	0.00	0.00	0.384	0.000
E Win 3 2	1.0	14.20	5.67	2.51	33.15	0.83	0.00	0.00	0.384	0.000
E Win 4 2	1.0	13.60	3.89	3.49	32.65	7.91	0.00	0.00	0.384	0.000
E Win 5	1.0	13.60	3.89	3.49	7.84	7.91	0.00	0.00	0.384	0.000
E Win 6	1.0	12.46	3.89	3.20	25.45	7.91	0.00	0.00	0.384	0.000
E Win 7	1.0	12.46	3.89	3.20	22.08	7.91	0.00	0.00	0.384	0.000
E Win 8	1.0	12.46	3.89	3.20	15.33	7.91	0.00	0.00	0.384	0.000
E Win 9	1.0	12.46	3.89	3.20	18.71	7.91	0.00	0.00	0.384	0.000
S Win 0 19	1.0	11.59	4.12	2.81	14.69	6.43	0.00	0.00	0.384	0.000
S Win 1 11	1.0	11.59	4.12	2.81	21.69	6.43	0.00	0.00	0.384	0.000
S Win 2 9	1.0	11.59	4.12	2.81	35.68	6.43	0.00	0.00	0.384	0.000
S Win 3 6	1.0	11.54	4.12	2.80	7.71	6.43	0.00	0.00	0.384	0.000
S Win 4 5	1.0	11.54	4.12	2.80	28.69	6.43	0.00	0.00	0.384	0.000
N Win 0 14	1.0	41.20	7.12	5.79	5.93	2.67	0.00	0.00	0.384	0.000
N Win 1 7	1.0	41.20	7.12	5.79	12.91	2.68	0.00	0.00	0.384	0.000
N Win 2 5	1.0	19.67	7.16	2.75	1.99	2.67	0.00	0.00	0.384	0.000
N Win 0 17	1.0	41.20	7.12	5.79	14.60	2.68	0.00	0.00	0.384	0.000
N Win 1 10	1.0	41.20	7.12	5.79	7.63	2.67	0.00	0.00	0.384	0.000
N Win 2 8	1.0	19.67	7.16	2.75	3.67	2.67	0.00	0.00	0.384	0.000
N Win 0 16	1.0	41.20	7.12	5.79	7.61	2.67	0.00	0.00	0.384	0.000
N Win 1 9	1.0	41.20	7.12	5.79	14.59	2.68	0.00	0.00	0.384	0.000
N Win 2 7	1.0	19.67	7.16	2.75	3.65	2.67	0.00	0.00	0.384	0.000

N Win 0 15	1.0	35.44	9.67	3.67	15.51	0.17	0.00	0.00	0.384	0.000
N Win 1 8	1.0	35.44	9.67	3.67	19.33	0.17	0.00	0.00	0.384	0.000
N Win 2 6	1.0	35.44	9.67	3.67	7.84	0.17	0.00	0.00	0.384	0.000
N Win 3 5	1.0	35.44	9.67	3.67	23.17	0.17	0.00	0.00	0.384	0.000
N Win 4 4	1.0	35.44	9.67	3.67	11.68	0.17	0.00	0.00	0.384	0.000
E Win 0 3	1.0	23.85	6.83	3.49	42.97	0.16	0.00	0.00	0.384	0.000
E Win 1 3	1.0	14.20	5.67	2.51	5.97	0.83	0.00	0.00	0.384	0.000
E Win 2 3	1.0	13.60	3.89	3.49	5.48	7.91	0.00	0.00	0.384	0.000
W Win 0 5	1.0	23.94	6.83	3.51	2.79	0.17	0.00	0.00	0.384	0.000
S Win 0 12	1.0	41.20	7.12	5.79	0.60	2.68	0.00	0.00	0.384	0.000
S Win 1 6	1.0	19.67	7.16	2.75	7.57	2.65	0.00	0.00	0.384	0.000
N Win 0 13	1.0	19.67	7.16	2.75	3.67	2.69	0.00	0.00	0.384	0.000
N Win 0 12	1.0	19.67	7.16	2.75	5.13	2.67	0.00	0.00	0.384	0.000
N Win 0 11	1.0	19.67	7.16	2.75	7.79	2.68	0.00	0.00	0.384	0.000

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB
S Win 0 16	1.0	41.20	7.12	5.79	3.77	2.68	0.00	0.00	0.384	0.000
S Win 0 14	1.0	41.20	7.12	5.79	7.59	2.68	0.00	0.00	0.384	0.000
W Win 0 6	1.0	41.20	7.12	5.79	0.26	2.69	0.00	0.00	0.384	0.000
W Win 1 5	1.0	24.77	7.17	3.45	18.40	2.67	0.00	0.00	0.384	0.000
W Win 2 3	1.0	23.57	6.83	3.45	14.78	0.17	0.00	0.00	0.384	0.000
W Win 3 2	1.0	19.67	7.16	2.75	7.48	2.67	0.00	0.00	0.384	0.000
W Win 4 2	1.0	11.33	5.67	2.00	22.52	0.84	0.00	0.00	0.384	0.000
W Win 5 2	1.0	9.21	2.67	3.45	14.78	7.17	0.00	0.00	0.384	0.000
W Win 6	1.0	8.06	2.33	3.45	18.40	0.17	0.00	0.00	0.384	0.000
W Win 7	1.0	8.00	2.67	3.00	22.02	7.17	0.00	0.00	0.384	0.000
W Win 0 3	1.0	25.34	7.17	3.53	8.77	2.67	0.00	0.00	0.384	0.000
W Win 1 3	1.0	25.34	7.17	3.53	1.90	2.67	0.00	0.00	0.384	0.000
W Win 2 2	1.0	11.33	5.67	2.00	6.10	0.84	0.00	0.00	0.384	0.000
W Win 3	1.0	8.24	2.33	3.53	8.77	0.17	0.00	0.00	0.384	0.000
W Win 4	1.0	8.24	2.33	3.53	1.90	0.17	0.00	0.00	0.384	0.000
W Win 5	1.0	8.00	2.67	3.00	5.61	7.17	0.00	0.00	0.384	0.000
S Win 0 13	1.0	41.20	7.12	5.79	9.27	2.68	0.00	0.00	0.384	0.000
S Win 1 7	1.0	41.20	7.12	5.79	16.27	2.68	0.00	0.00	0.384	0.000
S Win 2 5	1.0	41.20	7.12	5.79	30.25	2.68	0.00	0.00	0.384	0.000
S Win 3 2	1.0	19.67	7.16	2.75	5.33	2.65	0.00	0.00	0.384	0.000
S Win 4 2	1.0	19.67	7.16	2.75	26.32	2.65	0.00	0.00	0.384	0.000
S Win 0 11	1.0	45.05	9.65	4.67	0.57	0.16	0.00	0.00	0.384	0.000
S Win 0 15	1.0	21.02	6.83	3.08	6.73	0.16	0.00	0.00	0.384	0.000
S Win 1 8	1.0	19.93	6.83	2.92	3.65	0.16	0.00	0.00	0.384	0.000
S Win 2 6	1.0	11.33	5.67	2.00	0.98	0.83	0.00	0.00	0.384	0.000

S Win 3 3	1.0	8.21	2.67	3.08	6.73	7.16	0.00	0.00	0.384	0.000
S Win 4 3	1.0	8.00	2.67	3.00	0.49	7.16	0.00	0.00	0.384	0.000
S Win 5	1.0	7.79	2.67	2.92	3.65	7.16	0.00	0.00	0.384	0.000
S Win 0 17	1.0	21.78	9.67	2.25	6.64	0.16	0.00	0.00	0.384	0.000
S Win 1 9	1.0	16.00	2.67	6.00	0.48	7.16	0.00	0.00	0.384	0.000
S Win 2 7	1.0	11.33	5.67	2.00	0.98	0.83	0.00	0.00	0.384	0.000
S Win 3 4	1.0	11.11	5.67	1.96	3.98	0.83	0.00	0.00	0.384	0.000
W Win 0 4	1.0	28.70	9.16	3.13	3.46	0.28	0.00	0.00	0.384	0.000
W Win 1 4	1.0	28.33	9.16	3.09	0.24	0.28	0.00	0.00	0.384	0.000
S Win 0 18	1.0	35.90	9.16	3.92	0.36	0.16	0.00	0.00	0.384	0.000
S Win 1 10	1.0	35.78	9.16	3.91	11.09	0.16	0.00	0.00	0.384	0.000
S Win 2 8	1.0	13.97	2.16	6.47	4.45	7.16	0.00	0.00	0.384	0.000
S Win 3 5	1.0	12.69	5.67	2.24	4.95	0.83	0.00	0.00	0.384	0.000
S Win 4 4	1.0	12.69	5.67	2.24	8.19	0.83	0.00	0.00	0.384	0.000
S Win 0 23	1.0	41.20	7.12	5.79	11.92	1.99	0.00	0.00	0.384	0.000
S Win 1 14	1.0	41.20	7.12	5.79	18.91	1.99	0.00	0.00	0.384	0.000
S Win 2 12	1.0	41.20	7.12	5.79	1.43	1.99	0.00	0.00	0.384	0.000
E Win 0 4	1.0	21.36	5.83	3.67	11.49	0.11	0.00	0.00	0.384	0.000
E Win 1 4	1.0	21.29	5.83	3.65	28.83	0.11	0.00	0.00	0.384	0.000
E Win 2 4	1.0	20.35	5.83	3.49	7.84	0.10	0.00	0.00	0.384	0.000
E Win 3 3	1.0	20.35	5.83	3.49	32.65	0.11	0.00	0.00	0.384	0.000
E Win 4 3	1.0	18.64	5.83	3.20	25.45	0.11	0.00	0.00	0.384	0.000
E Win 5 2	1.0	18.64	5.83	3.20	22.08	0.11	0.00	0.00	0.384	0.000
E Win 6 2	1.0	18.64	5.83	3.20	15.33	0.11	0.00	0.00	0.384	0.000
E Win 7 2	1.0	18.64	5.83	3.20	18.71	0.11	0.00	0.00	0.384	0.000
S Win 0 27	1.0	29.29	10.41	2.81	15.15	0.53	0.00	0.00	0.384	0.000
S Win 1 16	1.0	29.29	10.41	2.81	22.15	0.53	0.00	0.00	0.384	0.000

(CONTINUED)

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB AREA (SQFT)	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB U-VALUE (BTU/HR-SQFT-F)
S Win 2 14	1.0	29.29	10.41	2.81	36.14	0.53	0.00	0.00	0.384	0.000
S Win 3 7	1.0	29.16	10.41	2.80	8.16	0.53	0.00	0.00	0.384	0.000
S Win 4 6	1.0	29.16	10.41	2.80	29.15	0.53	0.00	0.00	0.384	0.000
N Win 0 25	1.0	41.20	7.12	5.79	5.95	2.68	0.00	0.00	0.384	0.000
N Win 1 16	1.0	19.67	7.16	2.75	1.78	2.67	0.00	0.00	0.384	0.000
W Win 0 8	1.0	41.20	7.12	5.79	0.95	2.68	0.00	0.00	0.384	0.000
W Win 1 6	1.0	19.67	7.16	2.75	8.18	2.67	0.00	0.00	0.384	0.000
W Win 0 9	1.0	41.20	7.12	5.79	8.36	2.68	0.00	0.00	0.384	0.000
W Win 1 7	1.0	19.67	7.16	2.75	4.17	2.67	0.00	0.00	0.384	0.000
N Win 0 22	1.0	41.20	7.12	5.79	7.61	2.65	0.00	0.00	0.384	0.000
N Win 1 14	1.0	41.20	7.12	5.79	14.55	2.68	0.00	0.00	0.384	0.000
N Win 2 12	1.0	19.67	7.16	2.75	3.65	2.65	0.00	0.00	0.384	0.000

N Win 0 21	1.0	41.20	7.12	5.79	7.63	2.65	0.00	0.00	0.384	0.000
N Win 1 13	1.0	41.20	7.12	5.79	14.60	2.68	0.00	0.00	0.384	0.000
N Win 2 11	1.0	19.67	7.16	2.75	3.67	2.65	0.00	0.00	0.384	0.000
N Win 0 20	1.0	41.20	7.12	5.79	7.61	2.65	0.00	0.00	0.384	0.000
N Win 1 12	1.0	41.20	7.12	5.79	14.59	2.68	0.00	0.00	0.384	0.000
N Win 2 10	1.0	19.67	7.16	2.75	3.65	2.65	0.00	0.00	0.384	0.000
S Win 0 22	1.0	41.20	7.12	5.79	17.27	2.67	0.00	0.00	0.384	0.000
S Win 1 13	1.0	41.20	7.12	5.79	10.27	2.67	0.00	0.00	0.384	0.000
S Win 2 11	1.0	19.67	7.16	2.75	24.24	2.65	0.00	0.00	0.384	0.000
S Win 0 21	1.0	41.20	7.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 1 12	1.0	41.20	7.12	5.79	14.59	2.67	0.00	0.00	0.384	0.000
S Win 2 10	1.0	19.67	7.16	2.75	21.56	2.65	0.00	0.00	0.384	0.000
E Win 0 5	1.0	33.95	9.72	3.49	42.97	0.58	0.00	0.00	0.384	0.000
E Win 1 5	1.0	20.35	5.83	3.49	5.48	0.72	0.00	0.00	0.384	0.000
Skylight Win 0	1.0	15.47	3.93	3.93	18.08	31.09	0.00	3.93	0.384	0.349
Skylight Win 1	1.0	15.47	3.93	3.93	18.08	17.32	0.00	3.93	0.384	0.349
Skylight Win 2	1.0	15.47	3.93	3.93	51.85	31.09	0.00	3.93	0.384	0.349
Skylight Win 3	1.0	15.47	3.93	3.93	34.87	31.09	0.00	3.93	0.384	0.349
Skylight Win 4	1.0	15.47	3.93	3.93	34.87	17.32	0.00	3.93	0.384	0.349
Skylight Win 5	1.0	15.47	3.93	3.93	51.85	17.32	0.00	3.93	0.384	0.349
N Win 0 18	1.0	33.52	5.17	6.48	7.55	0.65	0.00	0.00	0.384	0.000
N Win 1 11	1.0	33.11	5.17	6.40	0.99	0.65	0.00	0.00	0.384	0.000
N Win 2 9	1.0	27.93	5.17	5.40	19.76	0.65	0.00	0.00	0.384	0.000
N Win 3 6	1.0	27.86	5.17	5.39	14.20	0.65	0.00	0.00	0.384	0.000
N Win 4 5	1.0	27.45	5.17	5.31	25.32	0.65	0.00	0.00	0.384	0.000
W Win 0 7	1.0	34.08	9.72	3.51	2.79	0.93	0.00	0.00	0.384	0.000
N Win 0 19	1.0	41.20	7.12	5.79	8.04	2.68	0.00	0.00	0.384	0.000
N Win 0 24	1.0	41.20	7.12	5.79	5.93	2.67	0.00	0.00	0.384	0.000
N Win 1 15	1.0	19.67	7.16	2.75	1.99	2.65	0.00	0.00	0.384	0.000
S Win 0 24	1.0	41.20	7.12	5.79	0.60	1.99	0.00	0.00	0.384	0.000
N Win 0 23	1.0	41.20	7.12	5.79	0.60	2.68	0.00	0.00	0.384	0.000
S Win 0 25	1.0	41.20	7.12	5.79	18.08	1.99	0.00	0.00	0.384	0.000
S Win 1 15	1.0	41.20	7.12	5.79	3.68	1.99	0.00	0.00	0.384	0.000
S Win 2 13	1.0	19.67	7.16	2.75	10.65	1.96	0.00	0.00	0.384	0.000
S Win 0 26	1.0	52.88	8.97	5.89	2.63	0.16	0.00	0.00	0.384	0.000
S Win 0 20	1.0	45.05	9.65	4.67	0.57	0.16	0.00	0.00	0.384	0.000
E Win 0	1.0	35.41	6.12	5.79	29.17	2.67	0.00	0.00	0.384	0.000
E Win 1	1.0	35.41	6.12	5.79	7.07	2.67	0.00	0.00	0.384	0.000
E Win 2	1.0	35.41	6.12	5.79	14.07	2.67	0.00	0.00	0.384	0.000
E Win 3	1.0	16.92	6.16	2.75	3.13	2.64	0.00	0.00	0.384	0.000

(Note: u-values include outside air film)

WINDOW NAME	MULTIPLIER	GLASS AREA (SQFT)	GLASS HEIGHT (FT)	GLASS WIDTH (FT)	LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT)	Y (FT)	FRAME AREA (SQFT)	CURB	FRAME U-VALUE (BTU/HR-SQFT-F)	CURB

E Win 4	1.0	16.92	6.16	2.75	36.40	2.64	0.00	0.00	0.384	0.000
N Win 0 3	1.0	35.41	6.12	5.79	29.25	2.67	0.00	0.00	0.384	0.000
N Win 1 3	1.0	35.41	6.12	5.79	5.27	2.67	0.00	0.00	0.384	0.000
N Win 2 3	1.0	35.41	6.12	5.79	41.25	2.67	0.00	0.00	0.384	0.000
N Win 3 3	1.0	35.41	6.12	5.79	12.29	2.65	0.00	0.00	0.384	0.000
N Win 0 4	1.0	35.41	6.12	5.79	0.61	2.67	0.00	0.00	0.384	0.000
S Win 0	1.0	35.41	6.12	5.79	10.68	2.64	0.00	0.00	0.384	0.000
S Win 1	1.0	35.41	6.12	5.79	0.67	2.67	0.00	0.00	0.384	0.000
S Win 2	1.0	16.92	6.16	2.75	24.63	2.64	0.00	0.00	0.384	0.000
S Win 0 10	1.0	35.41	6.12	5.79	0.60	2.67	0.00	0.00	0.384	0.000
N Win 0 7	1.0	35.41	6.12	5.79	49.60	2.65	0.00	0.00	0.384	0.000
N Win 1 4	1.0	35.41	6.12	5.79	21.61	2.65	0.00	0.00	0.384	0.000
N Win 2 4	1.0	35.41	6.12	5.79	28.61	2.65	0.00	0.00	0.384	0.000
N Win 3 4	1.0	35.41	6.12	5.79	56.58	2.65	0.00	0.00	0.384	0.000
N Win 4 3	1.0	35.41	6.12	5.79	77.41	2.65	0.00	0.00	0.384	0.000
N Win 5 2	1.0	35.41	6.12	5.79	0.63	2.65	0.00	0.00	0.384	0.000
N Win 6	1.0	16.92	6.16	2.75	45.64	2.65	0.00	0.00	0.384	0.000
N Win 7	1.0	16.92	6.16	2.75	17.65	2.65	0.00	0.00	0.384	0.000
N Win 8	1.0	16.92	6.16	2.75	73.20	2.65	0.00	0.00	0.384	0.000
S Win 0 5	1.0	35.41	6.12	5.79	0.59	2.67	0.00	0.00	0.384	0.000
S Win 1 3	1.0	35.41	6.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 2 3	1.0	16.92	6.16	2.75	14.57	2.64	0.00	0.00	0.384	0.000
W Win 0	1.0	35.41	6.12	5.79	4.10	2.68	0.00	0.00	0.384	0.000
W Win 1	1.0	16.92	6.16	2.75	11.07	2.65	0.00	0.00	0.384	0.000
S Win 0 8	1.0	35.41	6.12	5.79	9.27	2.67	0.00	0.00	0.384	0.000
S Win 1 5	1.0	16.92	6.16	2.75	5.33	2.64	0.00	0.00	0.384	0.000
N Win 0 9	1.0	35.41	6.12	5.79	4.02	2.67	0.00	0.00	0.384	0.000
N Win 1 6	1.0	35.41	6.12	5.79	11.13	2.65	0.00	0.00	0.384	0.000
S Win 0 4	1.0	35.41	6.12	5.79	3.68	2.67	0.00	0.00	0.384	0.000
S Win 0 3	1.0	35.41	6.12	5.79	7.77	2.67	0.00	0.00	0.384	0.000
S Win 1 2	1.0	35.41	6.12	5.79	0.49	2.67	0.00	0.00	0.384	0.000
S Win 2 2	1.0	16.92	6.16	2.75	17.77	2.64	0.00	0.00	0.384	0.000
S Win 0 9	1.0	16.92	6.16	2.75	0.37	2.64	0.00	0.00	0.384	0.000
N Win 0 5	1.0	35.41	6.12	5.79	0.81	2.67	0.00	0.00	0.384	0.000
N Win 0 6	1.0	35.41	6.12	5.79	5.80	2.67	0.00	0.00	0.384	0.000
N Win 0 8	1.0	35.41	6.12	5.79	0.61	2.65	0.00	0.00	0.384	0.000
N Win 1 5	1.0	16.92	6.16	2.75	7.57	2.65	0.00	0.00	0.384	0.000
W Win 0 2	1.0	35.41	6.12	5.79	7.36	2.68	0.00	0.00	0.384	0.000
W Win 1 2	1.0	35.41	6.12	5.79	14.29	2.65	0.00	0.00	0.384	0.000
W Win 2	1.0	16.92	6.16	2.75	3.09	2.65	0.00	0.00	0.384	0.000
S Win 0 7	1.0	35.41	6.12	5.79	49.56	2.67	0.00	0.00	0.384	0.000
S Win 1 4	1.0	35.41	6.12	5.79	7.59	2.67	0.00	0.00	0.384	0.000
S Win 2 4	1.0	35.41	6.12	5.79	14.57	2.67	0.00	0.00	0.384	0.000
S Win 3	1.0	35.41	6.12	5.79	28.57	2.67	0.00	0.00	0.384	0.000
S Win 4	1.0	35.41	6.12	5.79	42.56	2.67	0.00	0.00	0.384	0.000
N Win 0 10	1.0	35.41	6.12	5.79	0.77	2.67	0.00	0.00	0.384	0.000
S Win 0 2	1.0	35.41	6.12	5.79	3.30	2.67	0.00	0.00	0.384	0.000
S Win 0 6	1.0	31.05	6.65	4.67	0.57	2.15	0.00	0.00	0.384	0.000

REPORT- LV-H Details of Windows WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
N Win 0 2	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 1 2	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 2 2	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 3 2	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 4 2	0.00	0.38	1	0.600	0.418	0.878	1.000
N Win 5	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 0	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2	0.00	0.38	1	0.600	0.418	0.878	1.000
N Win 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 4	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 0 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 1 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 2 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 3 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 4 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 5	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 6	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 7	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 8	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 9	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 19	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 1 11	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 2 9	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 3 6	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 4 5	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 0 14	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 7	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 5	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 17	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 10	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 8	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 16	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 9	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 7	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 15	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 1 8	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 2 6	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 3 5	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 4 4	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 0 3	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 1 3	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 2 3	0.00	0.44	1	0.340	0.418	0.878	1.000

W Win 0 5	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 12	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 6	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 13	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 12	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 11	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 16	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 14	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 0 6	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 1 5	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 2 3	0.00	0.44	1	0.340	0.418	0.878	1.000

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
W Win 3 2	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 4 2	0.00	0.38	1	0.600	0.418	0.878	1.000
W Win 5 2	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 6	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 7	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 0 3	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 1 3	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 2 2	0.00	0.38	1	0.600	0.418	0.878	1.000
W Win 3	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 4	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 5	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 13	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 7	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 5	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 3 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 4 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 11	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 15	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 1 8	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 2 6	0.00	0.38	1	0.600	0.418	0.878	1.000
S Win 3 3	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 4 3	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 5	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 17	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 1 9	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 2 7	0.00	0.38	1	0.600	0.418	0.878	1.000
S Win 3 4	0.00	0.38	1	0.600	0.418	0.878	1.000
W Win 0 4	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 1 4	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 18	0.00	0.44	1	0.340	0.418	0.878	1.000

S Win 1 10	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 2 8	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 3 5	0.00	0.38	1	0.600	0.418	0.878	1.000
S Win 4 4	0.00	0.38	1	0.600	0.418	0.878	1.000
S Win 0 23	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 14	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 12	0.00	0.39	1	0.270	0.418	0.878	1.000
E Win 0 4	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 1 4	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 2 4	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 3 3	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 4 3	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 5 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 6 2	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 7 2	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 27	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 1 16	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 2 14	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 3 7	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 4 6	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 0 25	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 16	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 0 8	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 1 6	0.00	0.39	1	0.270	0.418	0.878	1.000

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
W Win 0 9	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 1 7	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 22	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 14	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 12	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 21	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 13	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 11	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 20	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 12	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 10	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 22	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 13	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 11	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 21	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 12	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 10	0.00	0.39	1	0.270	0.418	0.878	1.000

E Win 0 5	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 1 5	0.00	0.44	1	0.340	0.418	0.878	1.000
Skylight Win 0	0.00	0.79	1	0.500	0.900	0.878	1.000
Skylight Win 1	0.00	0.79	1	0.500	0.900	0.878	1.000
Skylight Win 2	0.00	0.79	1	0.500	0.900	0.878	1.000
Skylight Win 3	0.00	0.79	1	0.500	0.900	0.878	1.000
Skylight Win 4	0.00	0.79	1	0.500	0.900	0.878	1.000
Skylight Win 5	0.00	0.79	1	0.500	0.900	0.878	1.000
N Win 0 18	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 1 11	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 2 9	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 3 6	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 4 5	0.00	0.44	1	0.340	0.418	0.878	1.000
W Win 0 7	0.00	0.44	1	0.340	0.418	0.878	1.000
N Win 0 19	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 24	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 15	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 24	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 23	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 25	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 15	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 13	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 26	0.00	0.44	1	0.340	0.418	0.878	1.000
S Win 0 20	0.00	0.44	1	0.340	0.418	0.878	1.000
E Win 0	0.00	0.39	1	0.270	0.418	0.878	1.000
E Win 1	0.00	0.39	1	0.270	0.418	0.878	1.000
E Win 2	0.00	0.39	1	0.270	0.418	0.878	1.000
E Win 3	0.00	0.39	1	0.270	0.418	0.878	1.000
E Win 4	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 3 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 4	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2	0.00	0.39	1	0.270	0.418	0.878	1.000

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
S Win 0 10	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 7	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 4	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 2 4	0.00	0.39	1	0.270	0.418	0.878	1.000

N Win 3 4	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 4 3	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 5 2	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 6	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 7	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 8	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 5	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 3	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 3	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 0	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 1	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 8	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 5	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 9	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 6	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 4	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 3	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 9	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 5	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 6	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 8	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 1 5	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 0 2	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 1 2	0.00	0.39	1	0.270	0.418	0.878	1.000
W Win 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 7	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 1 4	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 2 4	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 3	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 4	0.00	0.39	1	0.270	0.418	0.878	1.000
N Win 0 10	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 2	0.00	0.39	1	0.270	0.418	0.878	1.000
S Win 0 6	0.00	0.44	1	0.340	0.418	0.878	1.000

REPORT- PS-F

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PS-F Energy End-Use Summary for Fan EM WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													

KWH	0.	0.	0.	0.	0.	0.	0.	233.	0.	0.	0.	0.	233.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/ 8	0/ 0	0/ 0	0/ 0	0/ 0	4/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	0.	0.	0.	0.	0.	223.	0.	0.	0.	0.	223.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	0.	0.	0.	0.	0.	262.	0.	0.	0.	0.	262.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	0.	0.	0.	0.	0.	251.	0.	0.	0.	0.	251.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	0.	0.	0.	0.	0.	240.	0.	0.	0.	0.	240.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	3/ 8	0/ 0	0/ 0	0/ 0	0/ 0	3/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	0.	0.	0.	0.	0.	251.	0.	0.	0.	0.	251.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	0.	0.	0.	0.	0.	247.	0.	0.	0.	0.	247.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
AUG													
KWH	0.	0.	0.	0.	0.	0.	0.	254.	0.	0.	0.	0.	254.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644

DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 8	0/ 0	0/ 0	0/ 0	0/ 0	2/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PS-F Energy End-Use Summary for Fan EM WEATHER FILE- EPW Seattle-King Cou

(CONTINUED)

SEP													
KWH	0.	0.	0.	0.	0.	0.	0.	244.	0.	0.	0.	0.	244.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	0.	0.	0.	0.	0.	240.	0.	0.	0.	0.	240.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	0.	0.	0.	0.	0.	237.	0.	0.	0.	0.	237.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	0.	0.	0.	0.	0.	247.	0.	0.	0.	0.	247.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
KWH	0.	0.	0.	0.	0.	0.	0.	2930.	0.	0.	0.	0.	2930.
MAX KW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	0.644
MON/DY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4
PEAK ENDUSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.644	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PS-F Energy End-Use Summary for ELEV EM WEATHER FILE- EPW Seattle-King Cou

	TASK	MISC	SPACE	SPACE	HEAT	PUMPS	VENT	REFRIG	HT PUMP	DOMEST	EXT

	LIGHTS	LIGHTS	EQUIP	HEATING	COOLING	REJECT	& AUX	FANS	DISPLAY	SUPPLEM	HOT WTR	USAGE	TOTAL
JAN													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	147.	0.	0.	0.	0.	0.	0.	0.	0.	0.	147.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

AUG													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

SEP													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	157.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	162.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
DAY/HR	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	0.	0.	1912.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1912.
MAX KW	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218
MON/DY	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
PEAK ENDUSE	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

REPORT- PS-F Energy End-Use Summary for EM1 WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	8767.	0.	13078.	4942.	960.	0.	0.	16817.	0.	792.	340.	533.	46230.
MAX KW	24.795	0.000	33.627	70.078	10.328	0.000	0.000	23.089	0.000	31.807	0.747	1.341	138.317
DAY/HR	4/11	0/ 0	4/12	4/ 8	20/15	0/ 0	0/ 0	4/ 8	0/ 0	2/ 7	4/14	1/ 1	4/ 8
PEAK ENDUSE	21.494	0.000	13.120	70.078	0.000	0.000	0.000	23.089	0.000	9.657	0.433	0.447	
PEAK PCT	15.5	0.0	9.5	50.7	0.0	0.0	0.0	16.7	0.0	7.0	0.3	0.3	
FEB													
KWH	8390.	0.	12166.	2779.	1088.	0.	0.	15093.	0.	371.	311.	394.	40592.
MAX KW	24.795	0.000	33.627	49.181	9.458	0.000	0.000	23.080	0.000	19.974	0.747	1.341	107.686
DAY/HR	1/11	0/ 0	1/12	1/ 8	23/18	0/ 0	0/ 0	1/ 8	0/ 0	13/ 7	8/14	1/ 1	2/ 8
PEAK ENDUSE	21.494	0.000	13.120	41.585	0.000	0.000	0.000	23.058	0.000	7.934	0.420	0.075	
PEAK PCT	20.0	0.0	12.2	38.6	0.0	0.0	0.0	21.4	0.0	7.4	0.4	0.1	
MAR													
KWH	9793.	0.	13847.	1886.	1577.	0.	0.	16652.	0.	104.	349.	436.	44645.
MAX KW	24.795	0.000	33.627	36.637	35.065	0.000	0.000	23.177	0.000	12.475	0.747	1.341	117.373
DAY/HR	1/11	0/ 0	1/12	1/ 8	29/16	0/ 0	0/ 0	29/17	0/ 0	6/ 7	1/14	1/ 1	29/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	35.065	0.000	0.000	23.177	0.000	0.000	0.654	0.075	
PEAK PCT	21.1	0.0	28.6	0.0	29.9	0.0	0.0	19.7	0.0	0.0	0.6	0.1	
APR													
KWH	9411.	0.	13351.	1058.	1130.	0.	0.	15858.	0.	31.	336.	422.	41596.
MAX KW	24.795	0.000	33.627	34.985	28.037	0.000	0.000	23.178	0.000	13.430	0.746	1.341	110.341
DAY/HR	1/11	0/ 0	1/12	5/ 8	20/16	0/ 0	0/ 0	20/17	0/ 0	24/ 7	5/14	1/20	20/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	28.037	0.000	0.000	23.177	0.000	0.000	0.651	0.075	
PEAK PCT	22.5	0.0	30.5	0.0	25.4	0.0	0.0	21.0	0.0	0.0	0.6	0.1	
MAY													
KWH	9025.	0.	13271.	631.	1599.	0.	0.	16342.	0.	0.	338.	291.	41497.
MAX KW	24.795	0.000	33.627	33.364	32.162	0.000	0.000	23.180	0.000	0.000	0.745	1.341	114.465
DAY/HR	3/11	0/ 0	3/12	10/ 8	14/16	0/ 0	0/ 0	14/17	0/ 0	0/ 0	10/14	1/23	14/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	32.162	0.000	0.000	23.180	0.000	0.000	0.647	0.075	
PEAK PCT	21.7	0.0	29.4	0.0	28.1	0.0	0.0	20.3	0.0	0.0	0.6	0.1	
JUN													
KWH	9411.	0.	13351.	225.	3202.	0.	0.	15807.	0.	0.	331.	282.	42608.
MAX KW	24.795	0.000	33.627	9.660	40.070	0.000	0.000	23.182	0.000	0.000	0.738	1.341	122.354
DAY/HR	1/11	0/ 0	1/12	1/ 8	30/15	0/ 0	0/ 0	30/15	0/ 0	0/ 0	1/14	1/23	30/15
PEAK ENDUSE	24.795	0.000	33.607	0.000	40.070	0.000	0.000	23.182	0.000	0.000	0.626	0.075	
PEAK PCT	20.3	0.0	27.5	0.0	32.7	0.0	0.0	18.9	0.0	0.0	0.5	0.1	
JUL													
KWH	9282.	0.	13464.	31.	7608.	0.	0.	16609.	0.	0.	334.	291.	47619.

MAX KW	24.795	0.000	33.627	2.921	48.472	0.000	0.000	23.187	0.000	0.000	0.724	1.341	130.754
DAY/HR	1/11	0/ 0	1/12	4/ 7	23/15	0/ 0	0/ 0	23/16	0/ 0	0/ 0	8/14	1/23	23/15
PEAK ENDUSE	24.795	0.000	33.607	0.000	48.472	0.000	0.000	23.186	0.000	0.000	0.620	0.075	
PEAK PCT	19.0	0.0	25.7	0.0	37.1	0.0	0.0	17.7	0.0	0.0	0.5	0.1	
AUG													
KWH	9536.	0.	13654.	24.	7801.	0.	0.	16653.	0.	0.	336.	464.	48470.
MAX KW	24.795	0.000	33.627	3.038	49.436	0.000	0.000	23.188	0.000	0.000	0.728	1.341	131.734
DAY/HR	2/11	0/ 0	2/12	24/ 6	10/16	0/ 0	0/ 0	10/16	0/ 0	0/ 0	23/14	1/19	10/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	49.436	0.000	0.000	23.188	0.000	0.000	0.634	0.075	
PEAK PCT	18.8	0.0	25.5	0.0	37.5	0.0	0.0	17.6	0.0	0.0	0.5	0.1	

SEP													
KWH	9154.	0.	13158.	209.	4724.	0.	0.	15946.	0.	0.	325.	449.	43965.
MAX KW	24.795	0.000	33.627	11.347	42.183	0.000	0.000	23.188	0.000	0.000	0.730	1.341	124.481
DAY/HR	1/11	0/ 0	1/12	27/ 8	21/16	0/ 0	0/ 0	22/17	0/ 0	0/ 0	27/14	1/19	21/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	42.183	0.000	0.000	23.187	0.000	0.000	0.635	0.075	
PEAK PCT	19.9	0.0	27.0	0.0	33.9	0.0	0.0	18.6	0.0	0.0	0.5	0.1	
OCT													
KWH	9025.	0.	13271.	926.	1505.	0.	0.	16477.	0.	20.	336.	464.	42023.
MAX KW	24.795	0.000	33.627	25.197	35.960	0.000	0.000	23.186	0.000	6.151	0.735	1.341	118.260
DAY/HR	1/11	0/ 0	1/12	22/ 8	6/16	0/ 0	0/ 0	7/17	0/ 0	22/ 8	18/14	1/19	6/16
PEAK ENDUSE	24.795	0.000	33.607	0.000	35.960	0.000	0.000	23.184	0.000	0.000	0.640	0.075	
PEAK PCT	21.0	0.0	28.4	0.0	30.4	0.0	0.0	19.6	0.0	0.0	0.5	0.1	
NOV													
KWH	8897.	0.	12964.	2149.	1189.	0.	0.	16204.	0.	105.	330.	516.	42353.
MAX KW	24.795	0.000	33.627	39.928	9.212	0.000	0.000	23.070	0.000	11.186	0.746	1.341	100.129
DAY/HR	1/11	0/ 0	1/12	22/ 8	5/13	0/ 0	0/ 0	22/ 8	0/ 0	5/ 6	22/14	1/18	5/ 8
PEAK ENDUSE	21.494	0.000	13.120	34.988	0.000	0.000	0.000	23.048	0.000	6.617	0.414	0.447	
PEAK PCT	21.5	0.0	13.1	34.9	0.0	0.0	0.0	23.0	0.0	6.6	0.4	0.4	
DEC													
KWH	9278.	0.	13461.	3740.	1116.	0.	0.	16850.	0.	527.	344.	533.	45851.
MAX KW	24.795	0.000	33.627	57.884	10.886	0.000	0.000	23.077	0.000	25.462	0.747	1.341	131.526
DAY/HR	1/11	0/ 0	1/12	27/ 8	28/16	0/ 0	0/ 0	13/ 8	0/ 0	25/ 7	13/14	1/ 1	27/ 8
PEAK ENDUSE	21.494	0.000	13.120	57.884	0.000	0.000	0.000	23.074	0.000	15.077	0.430	0.447	
PEAK PCT	16.3	0.0	10.0	44.0	0.0	0.0	0.0	17.5	0.0	11.5	0.3	0.3	
KWH	109969.	0.	159035.	18600.	33498.	0.	0.	195308.	0.	1950.	4012.	5078.	527449.
MAX KW	24.795	0.000	33.627	70.078	49.436	0.000	0.000	23.188	0.000	31.807	0.747	1.341	138.317
MON/DY	1/ 4	0/ 0	1/ 4	1/ 4	8/10	0/ 0	0/ 0	9/22	0/ 0	1/ 2	2/ 8	1/ 1	1/ 4
PEAK ENDUSE	21.494	0.000	13.120	70.078	0.000	0.000	0.000	23.089	0.000	9.657	0.433	0.447	
PEAK PCT	15.5	0.0	9.5	50.7	0.0	0.0	0.0	16.7	0.0	7.0	0.3	0.3	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PS-F Energy End-Use Summary for FM1 WEATHER FILE- EPW Seattle-King Cou

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
THERM	0.	0.	0.	40.	0.	0.	0.	0.	0.	0.	0.	0.	40.
MAX THERM/HR	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FEB													
THERM	0.	0.	0.	29.	0.	0.	0.	0.	0.	0.	0.	0.	29.
MAX THERM/HR	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
DAY/HR	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAR													
THERM	0.	0.	0.	27.	0.	0.	0.	0.	0.	0.	0.	0.	27.
MAX THERM/HR	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
DAY/HR	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
APR													
THERM	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	0.	0.	18.
MAX THERM/HR	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	5/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAY													
THERM	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	0.	0.	10.
MAX THERM/HR	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
DAY/HR	0/ 0	0/ 0	0/ 0	10/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	10/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUN													
THERM	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	0.	4.
MAX THERM/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	1/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUL													
THERM	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.
MAX THERM/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	8/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	8/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AUG													
THERM	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.
MAX THERM/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	23/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	23/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

(CONTINUED)

SEP													
THERM	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	2.
MAX THERM/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	27/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OCT													
THERM	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	0.	0.	7.
MAX THERM/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	12/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	12/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NOV													
THERM	0.	0.	0.	21.	0.	0.	0.	0.	0.	0.	0.	0.	21.
MAX THERM/HR	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
DAY/HR	0/ 0	0/ 0	0/ 0	22/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DEC													
THERM	0.	0.	0.	34.	0.	0.	0.	0.	0.	0.	0.	0.	34.
MAX THERM/HR	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
DAY/HR	0/ 0	0/ 0	0/ 0	13/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	13/ 8
PEAK ENDUSE	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
THERM	0.	0.	0.	195.	0.	0.	0.	0.	0.	0.	0.	0.	195.
MAX THERM/HR	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8

MON/DY	0/ 0	0/ 0	0/ 0	1/ 4	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 4
PEAK ENDUSE	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

REPORT- PS-C

Unnamed DOE-2.2-48y 6/03/2025 15:17:15 BDL RUN 4

REPORT- PS-C Equipment Loads and Energy Use WEATHER FILE- EPW Seattle-King Cou

		COOL LOAD	HEAT LOAD	ELEC USE	FUEL USE	-------- Number of hours within each PART LOAD range											--------- TOTAL
	SUM	(MBTU)	(MBTU)	(KWH)	(MBTU)	00	10	20	30	40	50	60	70	80	90	100	RUN
MON	PEAK	(KBTU/HR)	(KBTU/HR)	(KW)	(KBTU/HR)	10	20	30	40	50	60	70	80	90	100	+	HOURS
DWH Heater																	
	SUM		-18.8	4011.7	LOAD	7352	1408	0	0	0	0	0	0	0	0	0	8760
	PEAK		-8.6	0.7	ELEC	0	7010	1750	0	0	0	0	0	0	0	0	8760
	MON/DAY		1/ 4	2/ 8													
Electric Generator																	
	SUM			-20609.6	ELEC	976	874	538	367	361	282	248	104	0	0	0	3750
	PEAK			-16.2	KWDC	1004	954	585	380	378	308	263	140	1	0	0	4013
	MON/DAY			6/15	RCVR	0	0	0	0	0	0	0	0	0	0	0	0