



Reserved for permit stamp

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project
Olson Kundig

SOMMET BLANC
9300 Marasc Ave (B2 East Parcel)
Park City, Utah 84300



Aspen Group USA, LLC
PO Box 980022
Park City, Utah 84098

Landscaping Architect
EPG Design
6848 South High Tech Drive, Suite 100
Midvale, Utah 84047

Specifications Writer
Friday Group
86 Mainell Road
Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consultant
Larch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer
Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

Lighting Designer
O-1
1319 SE MLK Blvd, Suite 210
Portland, Oregon 97219

Building Envelope Consultant
RDH
2101 N 34th St
Seattle, WA 98103

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
VSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

principal architect _____

project manager _____

down by _____

checked by _____

job no. _____

date 11/18/2022

revisions:

no. date by

ISSUE FOR CONSTRUCTION
11/18/2022

ENERGY CODE
COMPLIANCE REPORT

MO.15

sommet ABC 20220518_2.mit

General info Space summary Advisory messages Proposed vs baseline
Energy type summary On site renewables Exceptional calc measure Report

INTEGRATED ENVIRONMENTAL SOLUTIONS LTD

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1.1 General information

	Responsible individual:		<p>This report produces output in accordance with LEED v4 BD+C New construction - option 1 Whole-building energy simulation.</p> <p>The Virtual Environment software used in the optimization described in 02 Simulation General Requirements is Appendix G of ASHRAE 90.1-2018.</p> <p>The report outputs that sequence with the following BCL sections:</p> <p>1.1 - General info 1.2 - Space Summary 1.3 - Advisory messages 1.4 - Comparison of proposed design versus baseline design energy model 1.5 - Energy type summary 1.6 - On site renewable energy (if applicable) 1.7 - Exceptional calculation measure summary (if applicable) 1.8 - Performance rating method compliance report</p> <p>1. Model floor area is the total floor area of all spaces in the building regardless whether they are conditioned.</p> <p>2. Building floor area is the total area of all spaces in which 'heats in' building floor area is listed in 'Space Data' for use for base metrics in this report.</p> <p>3. Building volume is the total volume of all spaces in which 'heats in' building floor area is listed in 'Space Data'.</p>
	Company name:		
	Simulation program:	Virtual Environment version 2021	
	Energy Code:	ASHRAE 90.1-2018 Appendix G	
	Model data:		
	Project file	sommet ABC 20220518_2.mit	
	Model floor area ¹	333847.53 sq ft	
	Building floor area ²	278206.75 sq ft	
	Heating calculation data:		
	Principal heating source	Electricity	
	Results file	Calculated	
	Cooling calculation data:		
	Principal cooling source	Electricity	
	Results file	Calculated	
	Design weather:		
	Source	ASHRAE design weather database	
	Weather location	Evansville-Union County Burns, Wyoming	
	Weather file	USA_WY_Evansville-Union County AP-Burns-F 227175_1.WY3	
	Climate zone:		
	ASHRAE 90.1	6A	
	Koeppen-Geiger	Dfb	
	Construction:		
	New construction %	100	
	Existing construction %	0	

1.4 - Comparison of Proposed versus Baseline Design

Model input parameter	Description	Proposed	Input value / % (area weighted)	Baseline	Input value / % (area weighted)
Exterior wall construction	Proposed Wall U-0.07	ASHRAE 90.1-2018, Below Frame U-0.19	0.07	ASHRAE 90.1-2018, Below Frame U-0.19	0.02
	Proposed BOP U-0.119	ASHRAE 90.1-2018, Below Frame U-0.19	0.12	ASHRAE 90.1-2018, Below Frame U-0.19	0.08
Exterior wall construction	Proposed BOP U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.06
	Proposed BOP U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.03
Roof construction	Proposed Exposed Floor U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.03
	Proposed Exposed Floor U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.03
Floor/ceiling construction	Proposed Exposed Floor U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.03
	Proposed Exposed Floor U-0.032	ASHRAE 90.1-2018, Below Frame U-0.19	0.03	ASHRAE 90.1-2018, Below Frame U-0.19	0.03
Window to gross wall ratio	Proposed Window to gross wall ratio	ASHRAE 90.1-2018, Below Frame U-0.19	26 / 33 / 22 / 42%	ASHRAE 90.1-2018, Below Frame U-0.19	31%
	Proposed Window to gross wall ratio	ASHRAE 90.1-2018, Below Frame U-0.19	26 / 33 / 22 / 42%	ASHRAE 90.1-2018, Below Frame U-0.19	31%
Fenestration U-Value (North)	Proposed Fenestration U-Value (North)	ASHRAE 90.1-2018, Below Frame U-0.19	0.43	ASHRAE 90.1-2018, Below Frame U-0.19	0.30
	Proposed Fenestration U-Value (North)	ASHRAE 90.1-2018, Below Frame U-0.19	0.43	ASHRAE 90.1-2018, Below Frame U-0.19	0.30
Fenestration U-Value (non - North)	Proposed Fenestration U-Value (non - North)	ASHRAE 90.1-2018, Below Frame U-0.19	0.43	ASHRAE 90.1-2018, Below Frame U-0.19	0.30
	Proposed Fenestration U-Value (non - North)	ASHRAE 90.1-2018, Below Frame U-0.19	0.43	ASHRAE 90.1-2018, Below Frame U-0.19	0.30
Fenestration SHGC - North	Proposed Fenestration SHGC - North	ASHRAE 90.1-2018, Below Frame U-0.19	0.23	ASHRAE 90.1-2018, Below Frame U-0.19	0.40
	Proposed Fenestration SHGC - North	ASHRAE 90.1-2018, Below Frame U-0.19	0.23	ASHRAE 90.1-2018, Below Frame U-0.19	0.40
Fenestration SHGC - non - North	Proposed Fenestration SHGC - non - North	ASHRAE 90.1-2018, Below Frame U-0.19	0.23	ASHRAE 90.1-2018, Below Frame U-0.19	0.40
	Proposed Fenestration SHGC - non - North	ASHRAE 90.1-2018, Below Frame U-0.19	0.23	ASHRAE 90.1-2018, Below Frame U-0.19	0.40
Fenestration visual light transmittance (N)	Proposed Fenestration visual light transmittance (N)	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44
	Proposed Fenestration visual light transmittance (N)	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44
Fenestration visual light transmittance	Proposed Fenestration visual light transmittance	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44
	Proposed Fenestration visual light transmittance	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44
Shading devices	Proposed Shading devices	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44
	Proposed Shading devices	ASHRAE 90.1-2018, Below Frame U-0.19	0.44	ASHRAE 90.1-2018, Below Frame U-0.19	0.44

1.8.1 (b) Baseline Energy Costs

Energy Type	Baseline 0 (kWh)	Baseline 90 (kWh)	Baseline 180 (kWh)	Baseline 270 (kWh)	Baseline Building Performance (kWh)
Electricity	315,489.53	0.00	0.00	0.00	315,489.53
Gas	73,003.22	0.00	0.00	0.00	73,003.22
Oil	0.00	0.00	0.00	0.00	0.00
Coal	0.00	0.00	0.00	0.00	0.00
Propane	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.00	0.00	0.00
Solar	0.00	0.00	0.00	0.00	0.00
Wind	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00
Biomass	0.00	0.00	0.00	0.00	0.00
Geothermal	0.00	0.00	0.		