PRESCRIPTIVE ENERGY CODE COMPLIANCE								
This project will use the requirements of the Prescriptive Path below and								
incorporate the minimum values listed. In addition, based on the size of the								
structure, the appropriate number of additional credits are checked.								
CLIMATE ZONE 5 AND MARINE 4								
	R-Value ^a	U-Factor ^a						
Fenestration U-Factor ^b	n/a	0.30						
Skylight U-Factor ^b	n/a	0.50						
Ceiling	49	0.026						
Wood Frame Wall ^{g,h}	21 int	0.056						
Floor	30	0.029						
Below Grade Wall ^{c,h}	10/15/21 int + 5TB	0.042						
Slab ^{d,f} R-Value & Depth	10, 2 ft	n/a						
For single rafter- or joist-vaulted	ceilings, the insulation n	nay be reduced to R-38	8.					
Table R402.1.1 footnotes included on Sheet A1.								
Each dwelling unit in a residential building shall comply with sufficient options from Table R406.2 so as to achieve the following minimum number of credits:								
1. Small Dwelling Unit: 3.0 points Dwelling units less than 1500 square feet in conditioned floor area with less than 300 square feet of fenestration area. Additions to existing building that are greater than 500 square feet of heated floor area but less than 1500 square feet.								
2. Medium Dwelling Unit: 6.0 points								
All dwelling units that are not included in #1 or #3.								
I 3. Large Dwelling Unit: 7.0 points								
Dwelling units exceeding 5000 square feet of conditioned floor area.								
4. Additions less than 500 square feet: 1.5 credits								

ENERGY CREDIT SUMMARY TABLES					
Heating					
Options	Fuel Normalization Descriptions	Credits			
1	Combustion heating minimum NAECA	0.0			
2	Heat pump	1.0	\checkmark		
3	Electric resistance heat only - furnace or zonal	-1.0			
4	DHP with zonal electric resistance per option 3.4	0.5			
5	All other heating systems	-1.0			
Energy					
Options	Energy Credit Option Descriptions	Credits			
1.1	Efficient Building Envelope	0.5			
1.2	Efficient Building Envelope	1.0			
1.3	Efficient Building Envelope	0.5	\checkmark		
1.4	Efficient Building Envelope	1.0			
1.5	Efficient Building Envelope	2.0			
1.6	Efficient Building Envelope	3.0			
1.7	Efficient Building Envelope	0.5			
2.1	Air Leakage Control and Efficient Ventilation	0.5			
2.2	Air Leakage Control and Efficient Ventilation	1.0	\checkmark		
2.3	Air Leakage Control and Efficient Ventilation	1.5			
2.4	Air Leakage Control and Efficient Ventilation	2.0			
3.1	High Efficiency HVAC	1.0			
3.2	High Efficiency HVAC	1.0			
3.3	High Efficiency HVAC	1.5			
3.4	High Efficiency HVAC	1.5			
3.5	High Efficiency HVAC	1.5	\checkmark		
3.6	High Efficiency HVAC	2.0			
4.1	High Efficiency HVAC Distribution System	0.5	\checkmark		
4.2	High Efficiency HVAC Distribution System	1.0			
5.1	Efficient Water Heating	0.5			
5.2	Efficient Water Heating	0.5			
5.3	Efficient Water Heating	1.0			
5.4	Efficient Water Heating	1.5			
5.5	Efficient Water Heating	2.0	\checkmark		
5.6	Efficient Water Heating	2.5			
6.1	Renewable Electric Energy (3 credits max)	*1200 kwh			
7.1	Appliance Package	0.5	\checkmark		
Total Cred	lits	7.0	-		

WINDOW, SKYLIGHT & DOOR SCHEDULE									
(CONDITIONED F	LOOR AREA:	5762	S	SUM OF U	JA FOR H	IEATING SY	STEM SIZING:	379.2
SUM OF ALL GLA	ZING AREAS F	ROM BELOW:	1193						
EXEMPT DOOR	AND WINDO	W			•••				
ROOM				U-VAL		WID I H	HEIGHI	AREA	UA 11.04
FOYER	EXEMPT SWI	NG DR (24 S.F.) DOW (15 S.F. M	MAX.) AX)	0.46	1	2.00	8.00 7.00	24.00	3 92
IOILI	SL	JM OF AREA AI	VD UA F	OR HEAT	TING SY	STEM SIZ	E ONLY:	38.0	15.0
EXTERIOR DOO	RS (OPAQUE	Ξ)							
ROOM	TYPE	DESCRIPT	ION	U-VAL	QTY	WIDTH	HEIGHT	AREA	UA
FOYER	DOOR			0.46	1	3.00	8.00	24.00	11.04
LIVING/DINING	DOOR			0.46	1	3.00	8.00	24.00	11.04
GARAGE	DOOR			0.46		2.67		17.81	8.19
AREA WEIGHTED U = UA/AREA:									
VERTICAL GLA	ZING			,		0		L	
ROOM	TYPE	DESCRIPT	ION	U-VAL	QTY	WIDTH	HEIGHT	AREA	UA
FOYER	PICTURE			0.28	1	2.00	7.00	14.00	3.92
STAIRS	PICTURE			0.28	1	6.00	6.00	36.00	10.08
				0.28	1	2.50	4.50	11.25	3.15
KITCHEN	SLIDER			0.20	1	6.00	4.50	27.00	7.50
DINING	PICTURE	1		0.28	1	3.00	4.50	13.50	3.78
DINING	S.G.D.			0.28	1	12.00	8.00	96.00	26.88
GREAT RM	PICTURE			0.28	2	3.50	5.50	38.50	10.78
GREAT RM	PICTURE	 		0.28	2	3.50	1.50	10.50	2.94
GREAT RM				0.28	1	7.00	5.50	38.50	10.78
				0.28	1	1.00 8.00	1.50	64.00	2.94 17 Q2
BA 4	CASE	1		0.28	1	2.00	3.00	6.00	1.68
BR 6	SLIDER			0.28	1	8.00	5.00	40.00	11.20
LIVING/DINING	D.SLIDER			0.28	1	12.00	6.00	72.00	20.16
OPEN TO FOYER	PICTURE			0.28	2	2.00	6.00	24.00	6.72
OPEN TO FOYER	PICTURE			0.28	1	6.00	6.00	36.00	10.08
				0.28	1	6.00	6.00	36.00	10.08
MBA	SLIDER			0.20	1	5.00	4 00	20.00	5.60
MSTR BDRM	CASE			0.28	2	2.00	4.00	16.00	4.48
MSTR BDRM	PICTURE			0.28	2	2.00	8.00	32.00	8.96
MSTR BDRM	FR DOOR			0.28	1	6.00	8.00	48.00	13.44
OPEN TO G.R.	PICTURE			0.28	2	3.50	5.50	38.50	10.78
OPEN TO G.R.				0.28	2	3.50	5.00	35.00	9.80
OPEN TO G.R. OPEN TO G R				0.28	1	7.00	5.00	38.50	9.80
BEDRM 5	SLIDER			0.28	1	8.00	6.00	48.00	13.44
BEDRM 4	SLIDER			0.28	1	6.00	5.00	30.00	8.40
BEDRM 3	SLIDER			0.28	1	8.00	5.00	40.00	11.20
BEDRM 2	D.SLIDER			0.28	1	9.00	6.00	54.00	15.12
				0.28	1	6.00	5.00	30.00	8.40
OFFICE Z	SLIDER			0.28	1	6.00	5.00	30.00	8.40 8.40
REC RM	S.HUNG			0.28	2	3.00	5.00	30.00	8.40
OFFICE 1	SLIDER			0.28	1	6.00	5.00	30.00	8.40
								0.00	0.00
								0.00	0.00
								0.00	0.00
								0.00	0.00
					SUM (DE AREA	AND UA'	1192.75	333.97
				AREA	WEIGHT	FED U = U	IA/AREA:		0.28
OVERHEAD GL	AZING				_			L	
ROOM	TYPE			U-VAL	QTY	WIDTH	HEIGHT	AREA	UA
	SKYLIGHT			0.50				0.00	0.00
	SKYLIGHT			0.50				0.00	0.00
	SKYLIGHT	+		0.50				0.00	0.00
	SKYLIGHT	1		0.50				0.00	0.00
	SKYLIGHT			0.50				0.00	0.00
					SUM (OF AREA	AND UA:	0.00	0.00
				AREA	WEIGHT	TED U = U	IA/AREA:		0.00
VERTICAL GLA	ZING IN UNH	EATED SPAC	ES						
ROOM	TYPE	DESCRIPT	ION	U-VAL	QTY	<u>WIDT</u> H	HEIGHT	AREA	
								0.00	
								0.00	
SUM OF VERTICAL GLAZING IN UNHEATED SPACES: 0.00									
			(noi	unciudeo	i in sum d	ו all glazii	ng above)		
				[J_\/ΔI	0.T.V	WIDTH	HEIGHT	ARFA	
	SKYLIGHT		~		<u> </u>			0.00	
	SKYLIGHT							0.00	
		SUM OF OVE	RHEAD	GLAZIN	G IN UN	HEATED	SPACES:	0.00	
			(noi	t included	l in sum d	of all glazi	ng above)		

SIMPLE HEATING SYSTEM SIZE

This heating system sizing is based on the Prescriptive Requirements of the 2018 Washington State Energy Code. This is for heating only. ACCA procedures for sizing cooling systems should be used to determing cooling.

